DCN 886

BSAT BASE STRUCTURE ANALYSIS TEAM

4401 Ford Avenue • Post Office Box 16268 • Alexandria, Virginia 22302-0268 • (703) 681-0490

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BSAT\ON
13 Jan 1995

MEMORANDUM FOR THE BASE STRUCTURE EVALUATION COMMITTEE

Subj: REPORT OF BSEC DELIBERATIONS ON 13 JANUARY 1995

Encl: (1) Briefing slides

1. The seventy-ninth deliberative session of the Base Structure Evaluation Committee (BSEC) convened at 1345 on 13 January 1995 in the Pentagon. The following members of the BSEC were present: The Honorable Robert B. Pirie, Chairman; Mr. Charles P. Nemfakos, Vice Chairman; Ms. Genie McBurnett; Vice Admiral Richard Allen, USN; Vice Admiral William A. Earner, Jr., USN; Lieutenant General Harold W. Blot, USMC; Lieutenant General James A. Brabham, USMC; and Ms. Elsie Munsell. The following senior DoN officials were present: The Honorable John Dalton, Secretary of the Navy; The Honorable Steven Honigman, General Counsel of the Department of the Navy; The Honorable Nora Slatkin, Assistant Secretary of the Navy (RD&A); The Honorable Deborah Christie, Assistant Secretary of the Navy (FM); The Honorable Bernie Rostker, Assistant Secretary of the Navy (M&RA); Admiral Jeremy M. Boorda, USN, Chief of Naval Operations; General Richard D. Hearney, USMC, Assistant Commandant of the Marine Corps; Rear Admiral Kendell Pease, USN, Navy Chief of Information; and Rear Admiral Robert J. Natter, USN, Office of Legislative Affairs. The following members of the Base Structure Analysis Team (BSAT) were present: Mr. Richard A. Leach; Ms. Anne Rathmell Davis; Mr. John Turnquist; Captain Richard R. Ozmun, JAGC, USN; Lieutenant Colonel Orval Nangle, USMC; Commander Robert Souders, USN; and Mr. Dan Turk.

2. Mr. Pirie advised the Secretary that the purpose of the briefing was to present for the Secretary's consideration the BSEC's proposed recommendations for 1995 DoN base closures and realignments. He commended the outstanding, sustained effort of the BSEC members in reaching their recommendations to the Secretary.

3. Mr. Nemfakos briefed the Secretary on behalf of the BSEC using the slides at enclosure (1). He began by presenting two maps (one for the active component and one for the reserve component) showing all the activities recommended for closure or realignment. Each activity is part of a sub-category of activities where excess capacity exists, and the payback is sufficient in the BSEC's opinion to warrant the Secretary's consideration. The activities are primarily in a few coastal states because that is where DoN is located. The BSEC worked closely with the Heads of the Navy and

Marine Corps Reserve Forces to ensure that demographics and the ability to recruit were protected. Because of those concerns capacity reduction was not as great for reserve activities as it might otherwise be.

4. Sixty-three activities were recommended for closure or realignment. Total one-time costs to implement the recommendations would be $1.4 billion for such things as MILCON, moving, and personnel costs; however, there would be one-time savings, primarily through cost avoidances, of $1.5 billion. The Secretary asked what portion of the $1.5 billion was BRAC-93 MILCON avoidance. Mr. Nemfakos advised this figure includes about $200 million required BRAC-93 MILCON that was currently unfunded. The recommendations would produce steady state savings of $663 million per year, most of which derives from eliminating about 15,000 direct jobs. More than 60% of the recommendations would produce immediate savings, with only two recommendations taking as long as 4 years to pay off. The recommendations would save $2.8 billion over the next five years and $9.2 billion over the next twenty years (net present value). In response to an inquiry by the Secretary, Mr. Nemfakos advised that the 20-year net present value savings was computed using a discount rate of slightly less than 3%.

5. One of the biggest differences between this and previous rounds of base closure is the submission of almost 50 alternatives by the Joint Cross-Service Groups (JCSG). Many of the JCSG alternatives paralleled scenarios the BSEC was already looking at based on its analyses. The BSEC examined each of the JCSG alternatives, but the analyses for a few T&E alternatives are incomplete as other Military Departments did not respond to all requests for data. In response to a question from the Secretary, Mr. Nemfakos advised that about 20 of the JCSG alternatives were consistent with the BSEC recommendations, but not all of those involve interservice movement of work.

6. The BSEC's recommendations would achieve a substantial reduction in capacity. This amounts to enough capacity to berth 2 carrier air wings, train over 800 Naval aviators per year, overhaul about 12 major combatants per year, and perform almost $1 billion of R&D work.

7. The BSEC took a comprehensive look at environmental impacts resulting from its recommendations to include environmental management efforts, air quality impacts, conformity requirements, natural/cultural resources, adequate infrastructure, and available unrestricted property. No significant environmental impacts were identified for any of the recommendations. Deputy Assistant Secretary of the Navy (Environment and Safety) pointed out that no

recommendations were driven by or precluded by Clean Air Act requirements in California.

8. The BSEC looked at local community infrastructure impacts, by evaluating their ability to absorb additional DoN personnel and missions. This included such factors as off-base housing, schools, public transportation, fire and police services, health care, utilities, and recreational facilities. Unlike the BRAC-93 recommendations, no significant community infrastructure impacts were identified for any of the BSEC's recommended actions.

9. Turning to the recommendations, Mr. Nemfakos explained that Technical Centers were one area that DoN was unable to effectively reduce in prior rounds. The BSEC examined 65 technical center activities and has recommended 19 for closure or realignment, eliminating more than 15,000 technical workyears. The return on investment was achieved in no more than four years with savings of $2 billion over the next twenty years (net present value). In response to a question from Mr. Honigman, Mr. Pirie advised that the BSEC did not restrict itself to scenarios that had a return on investment (ROI) within four years. Many scenarios were considered with longer ROI periods; however, given their one-time costs and the uncertainty of available funding, the BSEC chose not to recommend those.

10. There is excess capacity in the Training Air Station (TAS) sub-category. The BSEC recommended the closure of NAS Meridian and realignment of NAS Corpus Christi. Consolidating strike training at Kingsville and utilizing Corpus Christi as an outlying field (OLF) responds to concerns expressed in BRAC-93 about whether there would be sufficient number of OLFs to support aviation training.

a. The Secretary asked how the TASs were evaluated to arrive at the BSEC's recommendation. Mr. Nemfakos explained that a capacity measure was developed for TAS (airspace, facilities, etc.), and the amount of capacity available and the amount required was measured to determine if there was excess. Since there was excess capacity, an optimization model was used to identify alternative bases that could close while maintaining capability to support all DoN training requirements for 2001. From those alternatives the BSEC chose the ones which were best operationally and fiscally.

b. The Secretary asked what factors made Meridian more suitable for closing than other TAS. Mr. Nemfakos explained that Kingsville/Corpus Christi can support all strike training, NAS Pensacola can support all primary training, and Whiting can support all helicopter training. NAS Meridian alone cannot support all strike, primary, or helicopter training functions.

c. The Secretary suggested that NAS Meridian and Columbus AFB, because of their proximity, airspace, outlying fields, and bombing range, would make a good candidate for DoD's primary fixed-wing training using the future JPATS aircraft. The Meridian/Columbus complex would have sufficient airspace for whatever aircraft is chosen for JPATS. Consolidating at these sites rather than the projected five would reduce infrastructure and potentially reduce the JPATS buy. The Secretary indicated that he and his staff would discuss this with the Air Force and that he intended to raise it with the Secretary of Defense. He asked the BSAT to prepare a point paper on the issue for him.

The BSEC did not approve a JCSG scenario to close Whiting Field. Admiral Boorda pointed out that TASs were a good place to retain some excess capacity because the number of pilots DoN will need fluctuates depending on factors outside its control.

11. The BSEC recommended closure or realignment of 4 activities eliminating 3,174 workyears in the shipyards and depot repair facilities sub-category. None of the closures involve the elimination of nuclear capable workyears. The recommendation to close Naval Shipyard Long Beach and realign ship/sea systems work from NUWC Keyport encompass JCSG recommendations. The Secretary asked if NSYD Long Beach was consistently identified in the optimization model runs. Mr. Nemfakos answered affirmatively. The Secretary noted the 20 year savings were over $2 billion (net present value), more than 20% of the total for all recommendations. He expressed concern over the cumulative economic effect on California resulting from this and prior rounds of base closure. After discussing the issue, the Secretary directed that no DoN activity in California other than NSYD Long Beach should be closed if the BRAC-95 recommendations result in a net decrease in civilian employment from current levels in its economic area.

12. Three Naval Aviation Depots were closed during BRAC-93. The BSEC evaluated the three remaining NADEPs and the Whirl Tower at Pensacola and recommended the closure of the Whirl Tower. This completes the closure of NADEP Pensacola. The BSEC found that any further closures would adversely affect the ability to serve fleet concentrations.

13. The BSEC looked at 26 activities in the Air Stations sub-category. The BSEC recommended closure of NAF Adak and NAS South Weymouth. The closure of South Weymouth and the transfer of its aviation units to NAS Brunswick allows the retention of NAS Brunswick, a more capable air base. The Head of the Naval Reserves does not believe that this movement will present any demographic problems. The BSEC recommended realigning NAS Key West to a Naval Air Facility. Instead of other closures, the BSEC recommends

eliminating further air station capacity by not building new capacity arising from BRAC-93 actions and fully utilizing existing capacity. Specifically, all F-14s and the AIMD would be single-sited at NAS Oceana, E-2s go to North Island, 2 reserve F/A-18 squadrons go to NAS Atlanta, the F/A-18 squadrons at Cecil Field and the F/A-18 RAG will go to NAS Oceana vice Cherry Point, S-3s to NAS Jacksonville, and 2 F/A-18 squadrons to go to MCAS Beaufort. Admiral Boorda was assured that this distribution would not preclude an operational decision to locate the P-3 squadrons in Hawaii.

14. In the Naval Station sub-category, the BSEC examined 16 activities and recommended realignment of Naval Activities Guam to relocate all ammunition vessels to the Naval Magazine Lualualei and all non-ammunition vessels and associated personnel to Pearl Harbor. The Telecommunications Station, Naval Magazine, Public Works Center and Naval Hospital remain at Guam providing DoN necessary access. This action results in 20-year savings of $473.9 million and leaves 335 cruiser equivalent berths for the Navy's 349 cruiser equivalent ships. In BRAC-93 DoN closed two large ports, Charleston and San Francisco. The BSEC was very concerned about the need to retain some excess berthing capacity to accommodate changes in the number of ships, the number of ships in port, or the available berthing. This is especially true given the fact that the most recent force tables add 15 FFGs. Consequently, the BSEC does not recommend any other Naval Base closures. The Secretary asked what would be the economic impact on Guam as a result of the recommended action. The direct and indirect job losses resulting from the realignment of Naval Activities Guam equate to about 5% of the Guam economic area employment base. That is the reason the BSEC did not recommend closure of the Public Works Center (PWC) in Guam even though the analysis would otherwise lead to that conclusion. DoN presence there remains substantial enough to justify retention of the PWC to support the remaining fleet concentration.

15. The BSEC examined eight Fleet & Industrial Supply Centers (FISC) and recommended closure of three. These are follower activities that locate in those places where the fleet needs their services. The closure of FISC Oakland would result in a decrease in Oakland area civilian employment and, in accordance with the Secretary's earlier guidance, will not be included on the final list of DoN recommendations.

16. The BSEC examined eight Engineering Field Activities & Divisions and recommended closure of one, WESTDIV in San Bruno, California. The closure of WESTDIV would also result in a decrease in San Bruno area civilian employment and, in accordance with the Secretary's earlier guidance, will also not be included on the

final list of DoN recommendations.

17. The BSEC examined thirteen Supervisors of Shipbuilding and recommended closure of two. These are also follower activities that locate in those places where their services are needed. Closure of the activity at San Francisco would result in a decrease in San Francisco area civilian employment and, in accordance with the Secretary's earlier guidance, will not be included on the final list of DoN recommendations. The Secretary indicated that he would make a decision on whether SUPSHIP Long Beach should close with the shipyard or be retained. He will advise the BSEC of his decision.

18. Twenty-nine Training Center activities were evaluated, and four were recommended for realignment. The redirect of the Nuclear Schools was caused by the BRAC-93 Commission's decision to keep the piers at New London open. That decision created a requirement for additional infrastructure at New London to support the schools. The BSEC's analysis showed that redirecting the schools to Charleston, SC, was more cost-effective than building additional, new infrastructure in New London. The Secretary pointed out that there were nuclear follow-on schools at Charleston and asked if the analysis incorporated PCS savings that would result from that proximity. Mr. Nemfakos stated that the $5.3 million steady-state savings included those PCS savings.

19. The BSEC examined 34 Administrative activities and recommended 6 for realignment. The JCSG recommended moving SPAWAR to Fort Monmouth or Hanscomb Field AFB. Those alternatives were analyzed, but consolidation of SPAWAR and its field activities at San Diego was more cost-effective. In response to the Secretary's inquiry, Mr. Nemfakos advised that NAVSEA was being moved because White Oak, MD, was being recommended for closure as a technical activity, and NAVSEA, as a tenant, would have to move. It will locate in the Washington Navy Yard or other Navy owned space in the Washington area.

20. The BSEC looked at 298 Reserve activities and recommended 11 for closure. This would eliminate 24,956 drill hours capacity. These adjustments are relatively small because the BSEC worked hard not to upset demographic support or recruiting.

21. The recommended actions would eliminate 15,527 direct jobs and 20,527 indirect jobs. These numbers are not significent on a national scale as the current national job growth rate is 300,000 jobs per month. The jobs lost may, however, be better paying jobs and impacts are geographically concentrated. For purposes of looking at regional impact, the Secretary of Defense has established 10 economic regions. Mr. Nemfakos briefed the net direct job change for each of these regions. The Pacific region

(made up of Alaska, Washington, Oregon, California, and Hawaii) had the greatest job losses in BRAC-93 and under the BSEC's 1995 recommendations. Mr. Nemfakos briefed the number of jobs lost and the percent change in local employment in the areas that would be most affected by the BSEC's recommended actions. The losses at Cherry Point, NC, and Lemoore, CA, involve the redirect of BRAC-93 activities. Those activities have not yet moved to the BRAC-93 receiving sites so there would be no net change in the current base population. There were no anticipated infrastructure problems at the top receiving sites.

22. At the conclusion of the brief the Secretary asked Mr. Nemfakos to review the reasons the BSEC recommended NSWC Louisville for closure. Mr. Nemfakos explained that the Louisville Detachment supported fleet combat subsystems (guns and missiles). From a financial point of view, closure of Louisville was attractive. This recommendation would complete the process started in 1991 to take depot work out of the technical centers. Shipboard work would move to the shipyards where it would consume excess capacity there and would be close to the fleet. It also allows further economic loading of NSWC Crane. This action is also in consonance with the JCSG recommendations and has a joint aspect as the plating work would be done at Watervliet. Finally, there is a good chance that some work may migrate to the private sector.

23. Mr. Rostker expressed concern about moving NPRDC away from a fleet center.

24. General Hearney stated that the language used for the actual recommendations was critical since no further rounds of closure are scheduled. There will be no further opportunities for redirects. To the extent possible operational flexibility to move units must be maintained.

25. The Secretary expressed his appreciation for the hard work that had been done to produce the BSEC's recommendations. He concurred in the recommendations except as noted above for California locations. He expected to resolve the remaining issues within the next week. Mr. Nemfakos recapped those recommendations impacted by the Secretary's decision regarding California locations. The recommendations regarding SPAWAR and NADEP North Island were not affected as they result in a net increase in employment. The decision to close NSYD Long Beach was approved and the Secretary will advise whether SUPSHIP Long Beach will be recommended for closure. The recommendations regarding NWAD Corona, WESTDIV, and SUPSHIP San Francisco were disapproved. The recommendations regarding Lemoore are a net increase from the existing baseline and are approved. The Reserve Centers impact only a modest number of military, not civilian, personnel and were

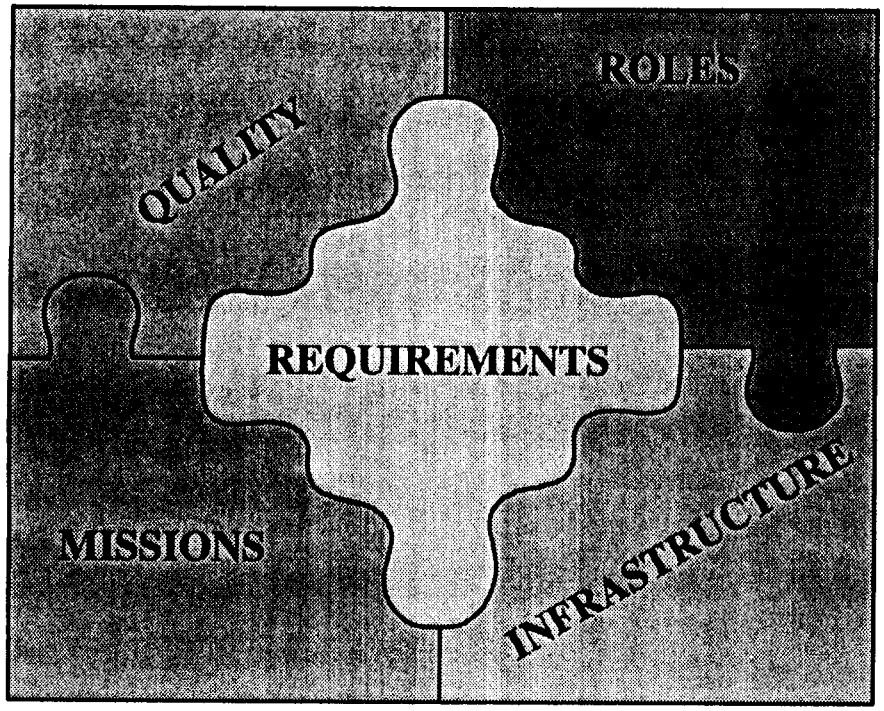
approved. The BSEC will prepare a point paper for the Secretary to raise the issue of making NAS Meridian/Columbus AFB a JPATS training base. The Secretary concurred in the summary.

26. The deliberative session adjourned at 1515.

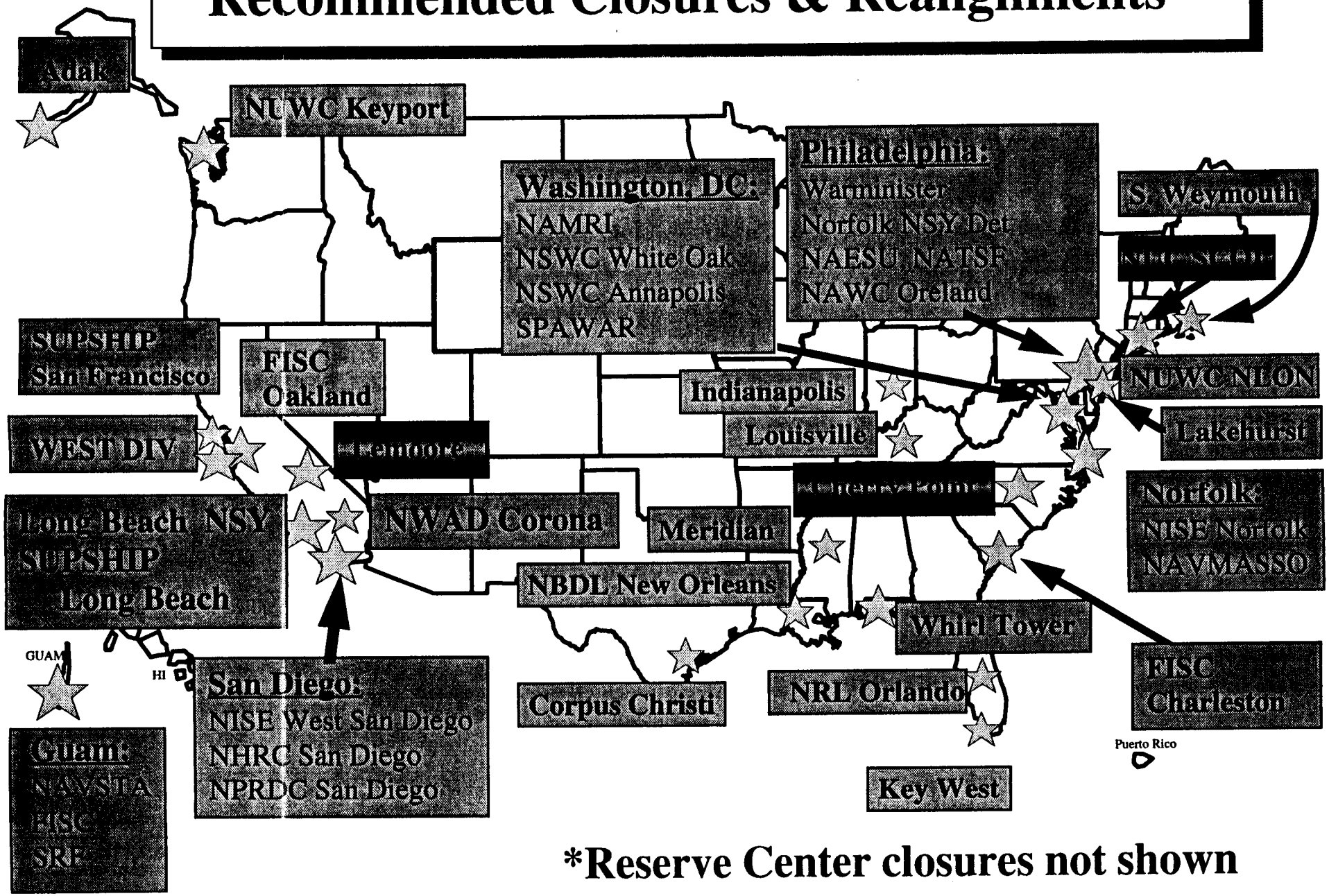
Orval E. Nangle

ORVAL E. NANGLE
LTCOL, USMC
Recording Secretary

DON BRAC-95 CLOSURE/REALIGNMENT RECOMMENDATIONS

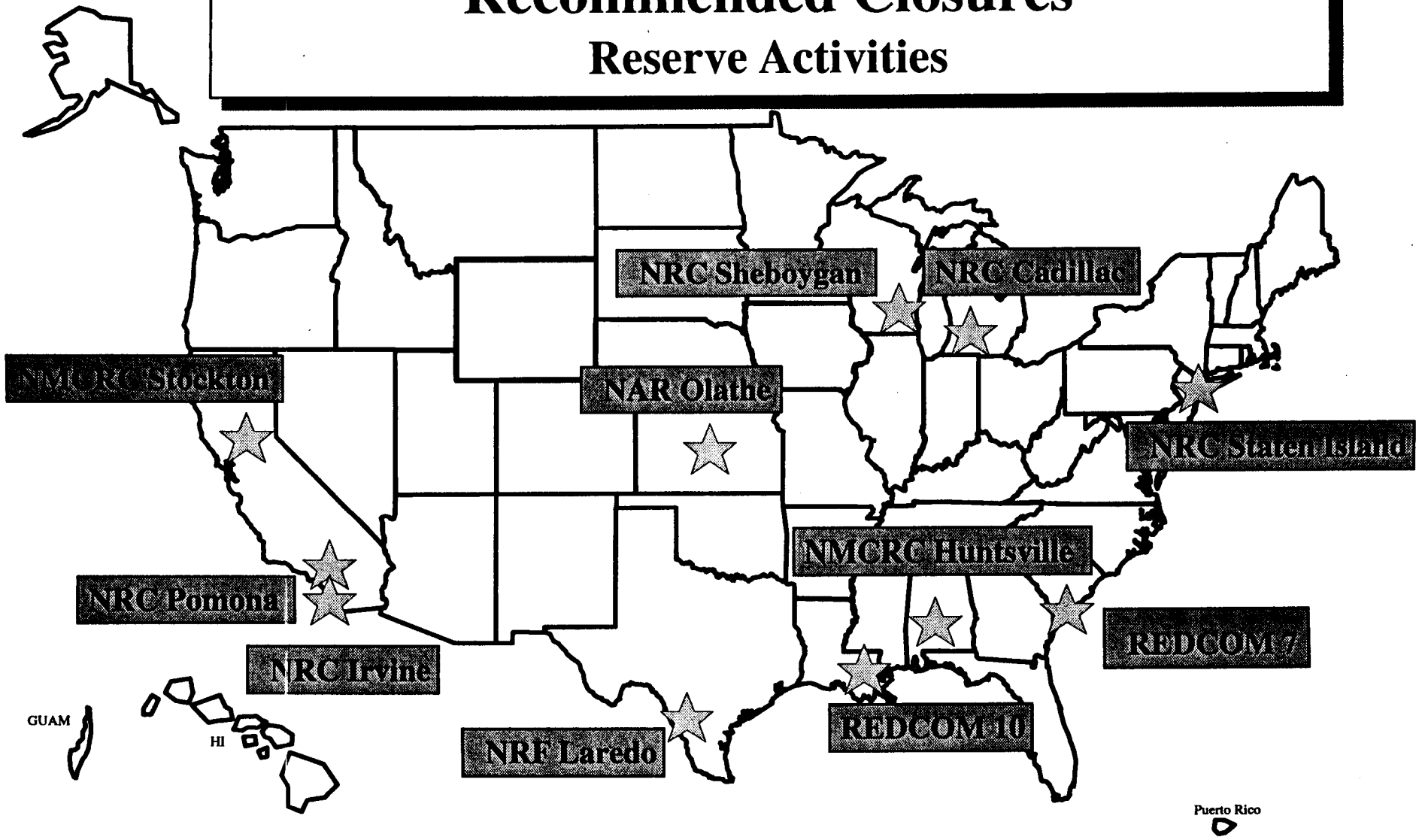


Recommended Closures & Realignments*



*Reserve Center closures not shown

Recommended Closures
Reserve Activities



Return on Investment Summary

63 activities recommended for closure or realignment:

- **Total One Time Costs: $1.4 B**
  - MILCON, moving, personnel costs
- **Total One Time Savings: $1.5 B**
  - Primarily MILCON cost avoidances
- **Total Steady State Savings: $663M**
  - Military salaries: $110M
  - Civilian salaries: $361M
  - Non-pay BOS: $157M
  - Other: $35M
- **FYDP Net Savings: $2.8B**
- **Twenty year NPV savings: $9.2B**
- **Over 60% of scenarios obtain an immediate return**
  - ROI Year range: **Immediate** (36) to **4 years** (2)

Joint Cross Service Analysis

Group	# of Activities Addressed	# of Activities Considered	# with Reasonable Return	# of Scenarios Adopted
UPT	3	3	2	2
Medical	2	2	1	0
Depot Maint.	13	13	6	3
R & D	23	23	12	12
T & E	8	8	3	3

- Most successful options mirrored DON generated scenarios
- Analysis incomplete on some T&E scenarios, other service did not respond to requests for data

Throughput Capacity Elimination

- **Eliminated capacity could accomplish:**
  - Almost $1 Billion of R&D Work per year
  - Overhaul of about 12 major combatants per year
  - Training of over 800 Naval Aviators per year
  - Berthing of about 2 Carrier Air Wings

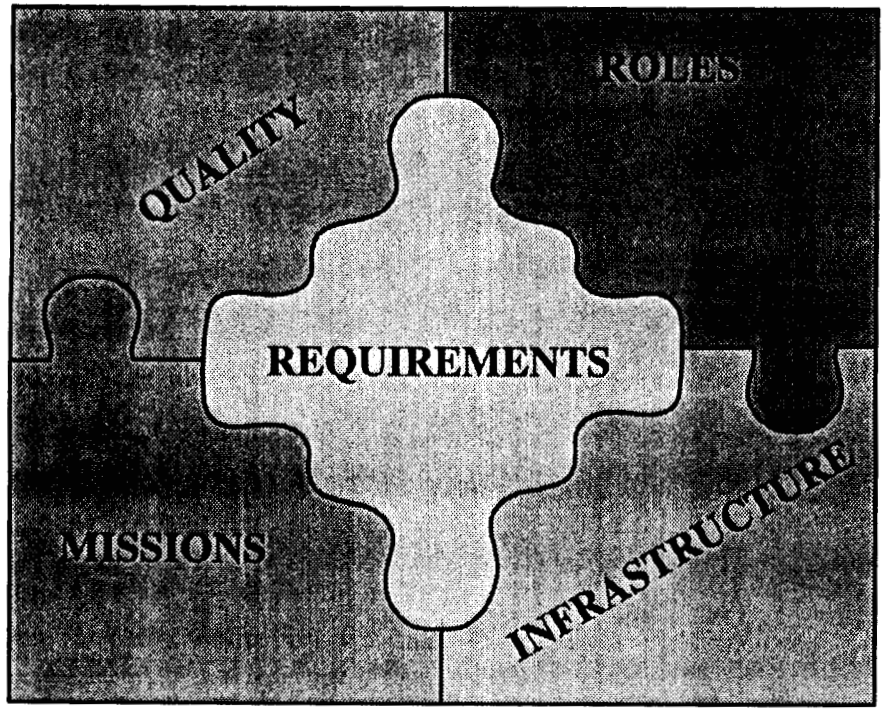
Environmental Impact Analysis

- **Issues reviewed:**
  - Environmental management efforts
  - Air quality impacts/conformity requirements
  - Installation restoration (IR) cleanups
  - Adequate utilities/infrastructure
  - Available undeveloped, unrestricted property
  - Natural/cultural resources
- **No significant environmental impacts identified for any scenario**

Local Community Infrastructure Impacts

- **Evaluated ability to absorb additional DON personnel & missions:**
  - Off base housing
  - Schools
  - Public transportation
  - Fire & Police
  - Health Care
  - Utilities (water & energy supply, sewage & waste disposal)
  - Recreational facilities
- **No significant community infrastructure impacts identified for any scenario**

Individual Category COBRA Results



Tech Centers/Laboratories

- 65 activities considered
  - 19 Activities recommended for closure/realignment:

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NAESU	$2.5M	$4K	1 Yrs	$2.5M	$29.5M
NATSF	$5.7M	$2K	3 Yrs	$2.2M	$22.7M
NAWC Oreland	$50K	0	3 Yrs	$15K	$175K
NUWC New London	$23.4M	$5.3M	3 Yrs	$8.1M	$91.3M
NRL Orlando	$8.4M	0	3 Yrs	$2.8M	$30.1M
NBDL New Orleans	$0.6M	$3K	Immed.	$2.9M	$41.8M
NPRDC	$7.9M	$9K	4 Yrs.	$1.9M	$15.0M
NAVMASSO	$2.2M	0	1 Yr.	$2.7M	$34.9M
NISE West San Diego	$1.8M	0	Immed.	$4.3M	$60.0M
NAMRI	$3.4M	$38K	1 Yr..	$9.6M	$111.1M
Warminster	$8.3M	$5.6M	Immed.	$7.6M	$104.8M
NSWC White Oak	$2.9M	$2.5M	Immed.	$6.0M	$85.9M
NSWC Annapolis	$25.0M	0	1 Yr.	$14.5M	$175.1M
NISE East Norfolk	$4.6M	0	3 Yrs.	$2.1M	$20.4M
Indianapolis/Louisville	$193.3M	0.1M	2 Yrs.	$71.2M	$657.7M
NWAD Corona	$76.0M	$3K	3 Yrs.	$21.3M	$178.4M
NHRC San Diego	$6.2M	$0.7M	4 Yrs.	$1.4M	$11.6M
NAWC Lakehurst	$99.6M	$1.6M	3 Yrs.	$37.2M	$357.0M
Total	**$471.6M**	**$15.8M**		**$198.2M**	**$2.0B**

  - Site technical workyears eliminated: 15,499
  - Site technical workyears remaining: 41,484

Naval Shipyards & Depot Repair Facilities

- **Universe of six activities, one detachment, 3 warfare centers**
  - **4 Activities recommended for closure/realignment:**
  -

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
SRF Guam	$8.4M	$7.8M	Immed.	$37.8M	$529.0M
Long Beach NSYD	$75.6M	$0.2M	Immed.	$138.1M	$2052.8M
Phila. Docks	$0	$8.1M	Immed.	$8.8M	$134.7M
Realign NUWC Keyport	$2.1M	$3.0M	1 Yr.	$2.1M	$29.7M

  - **Workyears capacity eliminated: 3,174**
  - **Workyears capacity remaining: 22,300**

Naval Aviation Depots

- **Universe is 3 NADEPs & one facility**
  - **One facility recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Whirl Tower	$1.5M	$2.2M	Immed.	$0.2M	$3.8M

  - **Workyears capacity eliminated: 350**
  - **Workyears capacity remaining: 11,997**

Air Stations

- **26 activities in the universe**
  - **9 activities recommended for closure/realignment in 8 scenarios:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Adak	$9.4M	0	Immed.	$26.2M	$357.2M
S. Weymouth	$16.2M	$0.3M	1 Yr.	$25.1M	$289.1M
Key West (realign)	$ 0.7M	0	Immed.	$3.2M	$45.3M
PACFLT redirect	$90.0M	$367.9M	Immed.	$6.9M	$358.1M
LANTFLT redirect	$76.5M	$349.8	Immed	$11.7M	$432.1M
3 minor redirects	$41.7M	$207.5M	Immed.	$22.1M	$452.0M

  - **Squadron home port modules eliminated: 14**
  - **Squadron home port modules remaining: 230**
  - **Navy squadrons: 267**

Naval Bases

- **16 activities in the universe**
  - **One activity recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Guam	$93.1M	$8.7M	1 Yr.	$42.5M	$473.9M

  - **Cruiser equivalent berths eliminated: 4**
  - **Cruiser equivalent berths remaining: 335**
  - **Navy cruiser equivalents of ships: 349**

Fleet & Industrial Supply Centers

- **Universe of 8 activities**
  - **3 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Charleston	$2.3M	0	2 Yrs.	$0.9M	$10.8M
Oakland	$25.0M	$0.1M	Immed.	$19.0M	$229.9M
Guam	$18.4M	$18.7M	Immed.	$31.1M	$437.3M

  - **Workyears eliminated: 3530**
  - **Workyears retained: 6010**

Engineering Field Activities & Divisions

- **Universe of 8 EFA/D**
  - **One activity recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
WESTDIV	$5.5M	$4K	1 Yr.	$4.8M	$51.9M

  - **Workyears eliminated: 946**
  - **Workyears remaining: 5009**

Supervisors of Shipbuilding

- **Universe of 13 activities**
  - **Two activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
San Francisco	$396K	0	1 Yr.	$547K	$6.8M
Long Beach	$297K	$5K	1 Yr.	$262K	$3.3M

  - **Workyears capacity eliminated: 13**
  - **Workyears capacity remaining: 4,122**

Training Centers

- **29 activities in the universe**
  - **4 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NTTC Meridian	Included in NAS Meridian cost data				
Redirect Nuc Scol	$147.9M	$162.5M	1 Yr	$5.3M	$71.1M
Redirect MS 'A' Scol	$5.2M	$10.0M	Immed.	$0	$4.8M
Redirect NTC Great Lakes Scols	$0.6M	$20.1M	Immed.	$0.1M	$20.7M

  - **Classroom & General Lab hours eliminated: 110,685**
  - **Classroom & General Lab hours remaining: 11,999,776**

Administrative Activities

- **34 activities in the universe**
  - **6 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
SPAWAR	$24.0M	$40.4M	Immed.	$25.3M	$360.0M
NAVSEA/HRO	$159.7M	$157.9M	Immed	$9.4M	$144.0M
NISMC	$132K	0	2 Yr	$140K	$1.7M
NSGCD Potomac	$0	$4K	Immed.	$0	$4K
CRUITCOM	$6.5M	$7.6M	Immed.	$0	$1.2M
RD San Diego	$250K	$350K	1 Yr	$0	$89K

  - **Administrative space (square feet) eliminated: 1207 KSF**
  - **Administrative space (square feet) remaining: 5088 KSF**

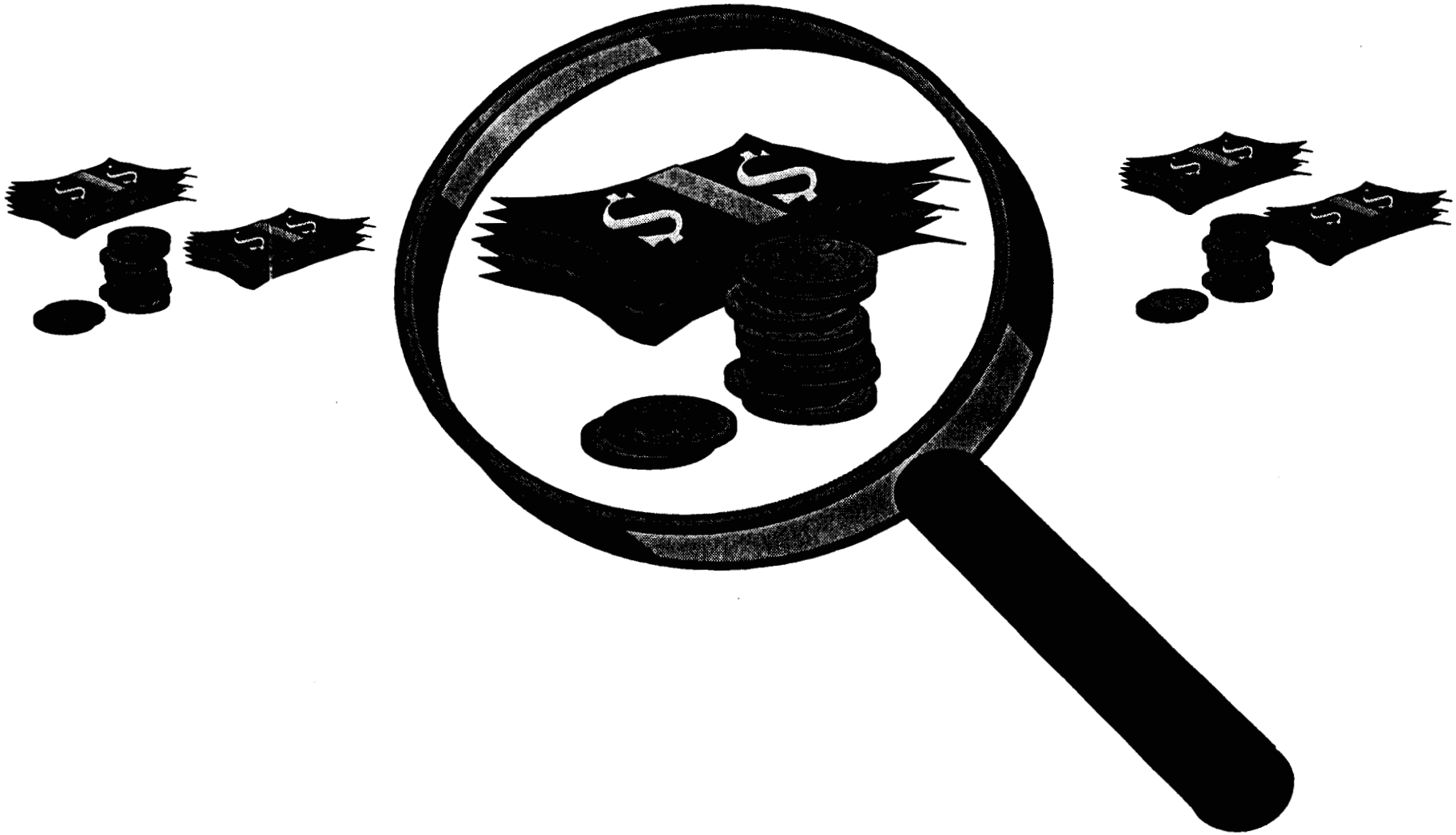
Reserve Activities

- **298 in the universe**
  - **11 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NRC Cadillac	$46K	0	Immed.	$340K	$5.0M
NMCRC Huntsville	$51K	0	Immed.	$486K	$7.2M
NRC Irvine	$41K	0	Immed.	$539K	$8.1M
NRF Laredo	$27K	0	Immed.	$257K	$3.8M
NMCRC Pomona	$48K	0	Immed.	$345K	$5.1M
NRC Sheboygan	$31K	0	Immed.	$275K	$4.1M
NRC Staten Island	$43K	$1340K	Immed.	$569K	$9.8M
NMCRC Stockton	$45K	0	Immed.	$359K	$5.4M
NAR Olathe	$170K	0	Immed.	$737K	$10.9M
REDCOM 7 (Chasn, SC)	$532K	0	Immed.	$2704K	$39.9M
REDCOM 10 (New Orleans)	$552K	$2K	Immed.	$1870K	$23.8M

  - **Drill utilization hours eliminated: 24,960**
  - **Drill utilization hours remaining: 1,613,834**

Economic Impact Analysis



DON BRAC-95 Economic Impact

Job Change By Fiscal Year

National Summary

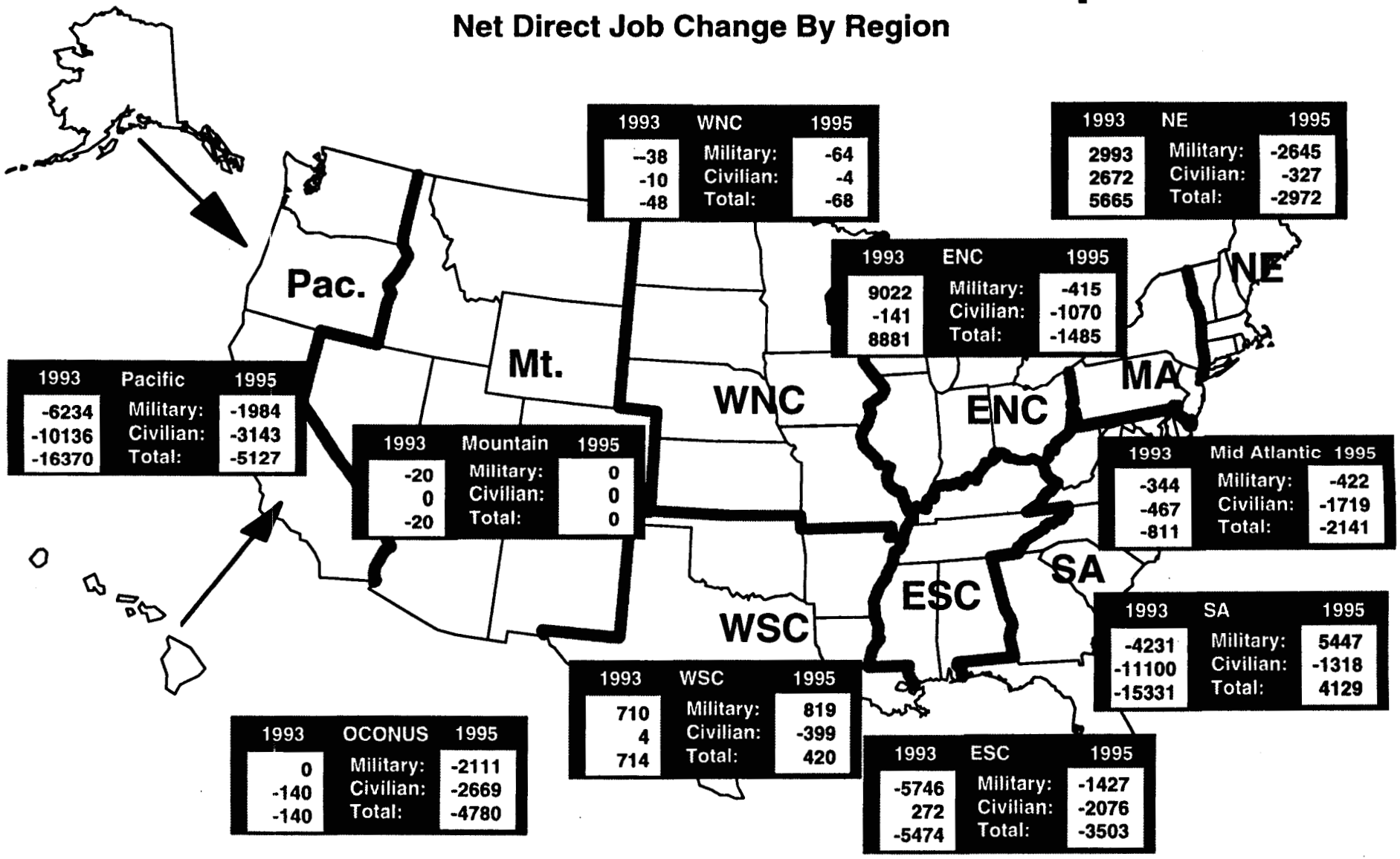
	1996	1997	1998	1999	2000	2001	Total
Direct Job Change:							
Military:	-263	-1,153	-408	-872	-21	-85	**-2,802**
Civilians:	-777	-5,162	-880	-2,092	-531	-220	**-9,662**
Contractors:	-135	-763	-248	-1,377	-465	-75	**-3,063**
Total :	-1,175	-7,078	-1,536	-4,341	-1,017	-380	**-15,527**
Indirect Job Change:							**-20,527**
Total Job Change (Over 6 Year Period):							**-36,051**

Total Job Change as a % of National Employment: 0.0%

Current National Job Growth Rate: 300,000 jobs per month (22 month average)

BRAC- 93 & 95 Economic Impact

Net Direct Job Change By Region



Economic Area Summary
Top Reductions in Employment

Region	Direct	Indirect	Total	% of Empl.
Long Beach CA	4,155	9,483	13,638	0.3%
Indianapolis IN	2,841	4,818	7,659	0.9%
Guam	4,780	2,136	6,916	10.4%
Cherry Point NC	*4,314	1277	5,591	7.5%
New London CT	**3,374	1,245	4,619	3.2%
Lemoore CA	*3,573	1,001	4,574	10.9%
Lakehurst NJ	1,738	2,321	4,059	1.0%
Louisville KY	1,456	2,329	3,794	0.7%
Meridian MS	2,581	743	3,324	8.0%
Corona CA	1,056	1,999	3,055	0.3%

*** Job transfer from BRAC-93, no change from current base population**
****Majority of job transfer from BRAC-93 redirect.**

Economic Area Summary

Top Receiving Sites

Absolute Change in Employment

Region	Direct	Indirect	Total	% of Empl.
Norfolk VA	3,076	1,678	**4,745**	0.6%
Crane IN	1,869	1,780	**3,649**	6.8%
Charleston SC	2,742	557	**3,299**	1.2%
Jacksonville FL	1,963	1,027	**2,990**	0.5%
San Diego CA	1,495	1,466	**2,961**	0.2%

Percent Change in Employment

Region	Direct	Indirect	Total	% of Empl.
Crane IN	1,869	1,780	3,649	**6.8%**
Kingsville TX	467	118	585	**4.2%**
Whidbey Island WA	517	150	667	**2.4%**
Charleston SC	2,742	557	3,299	**1.2%**
Norfolk VA	3,067	1,678	4,745	**0.6%**

Training Air Stations

- **5 activities in the universe**
  - **2 activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Close Meridian	$71.4M	$53.7M	Immed.	$29.5M	$381.3M
Realign Corpus Christi	$12.5M	$81.3M	Immed.	$5.7M	$113.6M

  - **Daylight runway operations eliminated: 877,225**
  - **Daylight runway operations remaining: 2,099,023**

ROI Summary

Scenario	One-Time Costs	Steady-State Savings	ROI Years	20 Year NPV
SPAWAR AIR FORCE	68.3	-5.5	6 Years	-36.7

Notes:

All Dollars shown in Millions

Encl (2)

One-Time Costs Summary

Scenario	Const	Pers	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
SPAWAR AIR FORCE	42.8	1.3	6.2	16.3	1.5	68.3	40.4	27.9

All Dollars shown in Millions

Notes:

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
SPAWAR AIR FORCE	Eliminate	0	0	0		0
	Move	175	24	732	0	931

MILCON Summary Report

Scenario:		SPAWAR AIR FORCE		
Construction		ESC HANSCOMB AFB, MA		
Description	Type	New Rqmt	Rehab Rqmt	Cost
ADMIN BUILDING	ADMIN	141,500	0	36.7
COMMUNICATION FAC	COMFC	1,670	0	0.5
SCIF	RDT&E	7,100	0	2.4
COMPUTER ROOM	RDT&E	6,550	0	2.2
STORAGE FACILITY	STORA	4,950	0	0.9
TOTAL:				42.8

All Dollars shown in Millions

ROI Summary

Scenario	One-Time Costs	Steady-State Savings	ROI Years	20 Year NPV
SPAWAR	24.0	-24.3	Immediate	-346.7
SPAWAR AIR FORCE	68.3	-5.5	6 Years	-36.7
SPAWAR ARMY	32.8	-0.7	Immediate	-14.8

All Dollars shown in Millions

Notes:

Encl (3)

ROI Summary

Scenario	One-Time Costs	Steady-State Savings	ROI Years	20 Year NPV
NRL (SATELLITES)	80.2	1.3	Never	96.3

All Dollars shown in Millions

Notes:

Encl (4)

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
NRL (SATELLITES)	Eliminate	0	0	0		0
	Move	0	0	213	0	213

One-Time Costs Summary

Scenario	Const	Pers	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
NRL (SATELLITES)	73.0	0.4	1.0	5.7	0.0	80.2	0.0	80.2

All Dollars shown in Millions

Notes:

MILCON Summary Report

Scenario:		NRL (SATELLITES)		
Construction		SMC LOS ANGELES AFB, CA		
Description	Type	New Rqmt	Rehab Rqmt	Cost
ADMINISTRATIVE (SF)	ADMIN	22,500	0	5.6
RDT&E FACILITIES	RDT&E	162,600	0	52.7
SUPPLY/STORAGE (SF)	STORA	76,900	0	14.6
TOTAL:				73.0

All Dollars shown in Millions

J-25 CHANGE 1

Move: C4I FIXED GROUND
From: ESC HANSCOMB AFB
To: NCCOSC RDT&E DIV SAN DIEGO

Scenario: **TOTAL PERSONNEL AUTHORIZATIONS:**

	WORKFORCE	BOS	TOTAL
OFF	21	0	21
ENL	2	0	2
CIV	23	4	27
FFRDC	24	0	24
SETA	120	0	120
TOTAL	190	4	194

FACILITY REQUIREMENTS: 39000 SQFT TECHNICAL

EQUIPMENT REQUIREMENTS: N/A

ELIMINATIONS: N/A

NRAD Response:

MILCON: REHAB 39,000 SF @ $20/ SF

Encl (5)

SATELLITES
NRaD San Diego to SMC-LAAFB

NRaD CERTIFIED RESPONSE

Note 1: This data call deals with efforts identified in BRAC 95 Data Call 12 - (DoD Joint/Cross Service Laboratories Data Call). The NRaD efforts listed under the satellite common support function for Data Call 12 were (and are) for ashore and afloat communications equipment for the telemetry of C4I data. None of the efforts are for engineering development of launch vehicles, satellites or associated ground control (satellite control) systems. Therefore, there are no billets or resources available for transfer in support of engineering development or any other satellite control efforts.

Encl (6)

Document Separator

BSAT BASE STRUCTURE ANALYSIS TEAM

4401 Ford Avenue • Post Office Box 16268 • Alexandria, Virginia 22302-0268 • (703) 681-0490

RP-0557-F11
BSAT/OZ
13 JAN 1995

MEMORANDUM FOR BASE STRUCTURE EVALUATION COMMITTEE

Subj: REPORT OF BSEC DELIBERATIONS ON 13 JANUARY 1995

Encl: (1) Joint Cross-Service Group, Status of Alternatives

1. The seventy-eighth deliberative session of the Base Structure Evaluation Committee (BSEC) convened at 0925 on 13 January 1995 at the Center for Naval Analyses. The following members of the BSEC were present: Mr. Charles P. Nemfakos, Vice Chairman; Ms. Genie McBurnett; Vice Admiral William A. Earner, Jr., USN; Lieutenant General James A. Brabham, USMC; and Ms. Elsie Munsell. The Honorable Robert B. Pirie, Jr., Chairman, arrived at 0936. The following members of the Base Structure Analysis Team (BSAT) were present: Mr. Gerald Schiefer; Mr. John Turnquist; Mr. Richard Leach; Ms. Anne Rathmell Davis; Mr. David Wennergren; Captain Brian Buzzell, USN; Captain Richard R. Ozmun, JAGC, USN; Lieutenant Colonel Orval E. Nangle, USMC; Commander Dennis Biddick, CEC, USN; and Commander Cindy DiLorenzo, MSC, USN.

2. The DoN members of the Joint Cross-Service Groups (JCSGs) provided reports on the status of Department of the Navy (DoN) actions with regard to JCSG alternatives as of 12 January 1995. See enclosure (1).

a. Commander DiLorenzo briefed the status of the Military Treatment Facilities (MTF) JCSG alternatives. See enclosure (1), Tab C. Regarding the realignment of Naval Hospital Beaufort to a clinic (scenario 104), at the deliberative session of 15 December 1994 the BSEC decided not to further consider the proposed alternative, noting the poor access to civilian care at Beaufort and the increased CHAMPUS costs that would be incurred. On 15 December 1995 the Assistant Secretary of the Navy (I&E) sent a letter to the Chairman, JCSG-MTF advising that the proposed alternative had been removed from further consideration. Regarding the realignment of Naval Hospital Corpus Christi to a clinic (scenario 105), at the deliberative session of 15 December 1994 the BSEC approved the COBRA analysis of the proposed alternative as cost effective. However, at the deliberative session of 29 December 1995 the BSEC decided not to recommend the realignment of Naval Hospital Corpus Christi to a clinic. At that deliberative session the BSEC noted that its BRAC-95 recommendations would increase the military and dependent populations served by Naval Hospital Corpus Christi (e.g., consolidating strike training at

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Kingsville, sending the mine warfare warfare helicopters to NAS Corpus Christi, and the need for emergency medical services as NAS Corpus Christi would be used as an outlying field). Because of the increase in population the BSEC determined that the need for a naval hospital vice naval clinic remained.

b. Captain Buzzell briefed the status of the JCSG Undergraduate Pilot Training alternatives. See enclosure (1), Tab E. Each of the proposed alternatives (Alts 1, 2, and 3) closes NAS Meridian and NAS Whiting Field. In addition, Alt 3 realigns NAS Corpus Christi and NAS Kingsville. Upon reviewing the results of COBRA analysis for the three alternatives, the BSEC adopted that part of each alternative that closed NAS Meridian and that part of Alt 3 that realigned NAS Corpus Christi as NAF Corpus Christi. The BSEC recommendations are currently pending approval by the Secretary of the Navy.

c. Commander Biddick briefed the status of the JCSG Depot Maintenance alternatives (Scenarios 078-095 and 102). Most of the scenarios were not cost effective. The BSEC adopted the alternatives closing Long Beach NSYD (Scenarios 081 and 082), realigning NSWC Louisville (Scenario 092), and realigning NUWC Keyport (Scenario 093). The results of COBRA analysis and actions taken by the BSEC are reflected in enclosure (1), Tab A.

Mr. Pirie arrived at 0936.

d. Mr. Schiefer briefed the status of the JCSG Test & Evaluation (T&E) alternatives. Department of Defense (DoD) losing activities for air vehicle T&E, electronic combat T&E, and armament and weapons T&E work for the DoN were presented. NSWC Dahlgren was the only activity for which no scenario was issued. The Co-Chairmen, JCSG T&E agreed with this decision. Mr. Schiefer also briefed the core outdoor range comparative exchange scenarios. The Co-Chairmen were advised that NAWC Point Mugu and NAWC China Lake had been combined as a result of BRAC-91. See enclosure (1), Tab D.

e. Mr. Schiefer briefed the BSEC on the actions taken in regard to DoN activities considered in the JCSG Laboratories Report and the Additional BRAC-95 Laboratory Alternatives Memo. See enclosure (1), Tab B. Twenty-three activities were considered, with nine activities and three detachments recommended for closure. Regarding the alternative proposing the cross-servicing and consolidation of the energetics-explosives function from NSWC Indian Head to NAWC China Lake, COBRA analysis did not justify closure. The alternative consolidating NSWC Indian Head at ARDEC Picatinny is currently being coordinated. Concerning C4I, the DoN scenario consolidating SPAWAR at NRAD San Diego was more cost

effective than consolidation at Fort Monmouth and was selected.

Mr. Nemfakos noted that the Air Force has not yet responded to JCSG Lab/T&E alternative data requests that were submitted over a month ago.

3. Mr. Schiefer, Mr. Wennergren, Captain Buzzell, Commander Biddick, and Commander DiLorenzo departed the session.

4. Ms. Davis presented for BSEC review the below "follower" activities to determine whether any changes in recommendations needed to made.

a. Public Work Centers. Excess capacity exists in the Public Works Centers (PWC). The only area where there is a PWC and where the BSEC has recommended a large reduction in supported infrastructure is Guam. The direct and indirect job losses resulting from the realignment of Naval Activities Guam equals approximately 5% of the Guam economic area. Even with the infrastructure reductions Guam still retains the Naval Telecommunications Station, Naval Magazine, and Naval Hospital. Noting the already significant reductions in jobs on Guam and the fact that several "customers" still remain which could justify some type of PWC, the BSEC decided that it would not be prudent to recommend the closure of PWC Guam.

b. Shore Intermediate Maintenance Activities (SIMAs). Workload at SIMAs, which have a small amount of excess capacity, is closely related to the number and types of ships homeported at Naval Stations/Bases. In BRAC-95 SIMAs are affected by the actions taken in regard to SUBASE New London and SUBASE San Diego. Since both of those activities are recommended for retention there is no basis for recommending the closure of the SIMAs supporting them.

c. Naval Hospitals. Naval Hospitals, where no excess capacity was found to exist, are directly affected by the size of the military population of the bases they support. Except for Guam, BSEC recommendations have not affected areas that support fleet concentrations. The BSEC noted that Guam still supports a large number of personnel and like Beaufort has no civilian health care system to draw from. The BSEC decided that there were no area impacts sufficient to warrant closing any Naval Hospitals.

d. Cheatham Annex. The BSEC had previously set aside Cheatham Annex for subsequent consideration because it was unknown whether other actions might create storage space. Noting that there were no changes recommended for Norfolk that would generate additional space, the CINC's view that Norfolk was overcrowded, and that there would be significant moving costs and only nominal savings, the

Subj: REPORT OF BSEC DELIBERATIONS ON 13 JANUARY 1995

BSEC was satisfied that there was no feasible alternative site for Cheatham Annex.

The BSEC approved the actions as reflected above.

5. The deliberative session adjourned at 1040.

ORVAL E. NANGLE
LTCOL, USMC
Recording Secretary

DEPARTMENT OF NAVY RESPONSE TO LAB JCSG REPORT

DoN ACTIVITIES CONSIDERED IN LAB JSCG REPORT AND DoN ACTIONS TAKEN

CONSIDERED	CLOSED
NAWC Pax River	
NAWC China Lake	
NCCOSC RDT&E San Diego	
Naval Research Lab	NRL Det Orlando
NSWC Crane	
NAWC Pt. Mugu	
NAWC Indianapolis	NAWC Indianapolis
NSWC Dahlgren	NSWC Dahlgren Det White Oak
NAWC Lakehurst	NAWC Lakehurst (left det .)
NSWC Carderock	
NSWC Indian Head	
NSWC Port Hueneme	
NSWC Louisville	NSWC Louisville
NISE East Charleston	NISE Charleston Det Norfolk
NISE West San Diego	NISE West San Diego
NMRI, Bethesda	NMRI, Bethesda
Nav Dental Inst, Great Lakes	
NAMRL Pensacola	
NPRDC San Diego	NPRDC, San Diego
NAVHLTHRES San Diego	NAVHLTHRES San Diego
NAVBIODYNLAB New Orleans	NAVBIODYNLAB New Orleans
NAWC Orlando	
NSWC Annapolis	NSWC Annapolis

ENERGETICS- PROPELLANTS

The Military Departments should consider consolidating all missile and rocket propulsion RDT&E at NAWC/CL.

Principal candidates are;

Phillips Lab, Edwards AFB

Missile Research, Development and Engineering Center, Redstone Arsenal

BSEC ACTION: DoN is Receiving site. No action required.

ENERGETICS - EXPLOSIVES

The Military Departments should consider cross-servicing and consolidating this function to the degree possible at NAWC/CL and Armaments RDEC, Picatinny Arsenal. Take advantage of pre-production and production capacity of the Army Single Product Manager.

Principal Candidates are:

Wright Lab, Eglin AFB

NSWC Indian Head

BSEC ACTION: NSWC Indian Head consolidation at NAWC China Lake, COBRA analysis did not justify closure. An alternative, NSWC Indian Head consolidation at ARDEC Picatinny, scenario is currently being coordinated.

ENERGETICS - PYROTECHNICS.

The Military Departments should consider consolidating pyrotechnics functions at NSWC Crane.

BSEC ACTION: DoN is receiving site. No action required.

Undergraduate Pilot Training JCSG Alternatives

Alternative	BSEC Action	BSEC Recommendations	DON Response
Alt #1 - **Close NAS Meridian**; move Strike training at discretion of DON - **Close NAS Whiting Field**; move Helicopter training to Fort Rucker and Primary training at discretion of DON - **Close Reese AFB**	Conducted COBRA analysis on: - closing NAS Meridian - closing NAS Whiting Field	- Close NAS Meridian - Retain NAS Whiting Field because scenario is not cost effective (substantial one-time costs require fifteen years to recoup and are 40 times greater than 20-year NPV)	Pending SECNAV approval
Alt #2 - **Close NAS Meridian**; move Strike training at discretion of DON - **Close NAS Whiting Field**; move Helicopter training to Fort Rucker and Primary training at discretion of DON - **Close Reese AFB** - **Close Vance AFB**	Conducted COBRA analysis on: - closing NAS Meridian - closing NAS Whiting Field	- Close NAS Meridian - Retain NAS Whiting Field because scenario is not cost effective (substantial one-time costs require fifteen years to recoup and are 40 times greater than 20-year NPV)	Pending SECNAV approval
Alt #3 - **Close NAS Meridian**; move Strike training at discretion of DON - **Close NAS Whiting Field**; move Helicopter training to Fort Rucker and Primary training at discretion of DON - **Realign NAS Corpus Christi**; move all UPT training at discretion of DON - **Realign NAS Kingsville**; receives USAF Fighter/Bomber training - **Close Reese AFB** - **Close Vance AFB**	Conducted COBRA analysis on: - closing NAS Meridian - closing NAS Whiting Field - realigning NAS Corpus Christi as NAF Corpus Christi (UPT mission transfers) Reviewed COBRA input on realigning NAS Kingsville and forwarded data to USAF	- Close NAS Meridian - Realign NAS Corpus Christi as NAF Corpus Christi - UPT mission transfers - Retain NAS Whiting Field because scenario is not cost effective (substantial one-time costs require fifteen years to recoup and are 40 times greater than 20-year NPV)	Pending SECNAV approval

ADDITIONAL BRAC 95 LABORATORY ALTERNATIVES MEMO

AIR VEHICLES:

Analyze the consolidation of those laboratory activities and support functions that are otherwise considering for realignment or closure, on core T&E installations;

Fixed Wing Avionics, Flight Subsystems, and Structures
Edwards AFB or NAWC Patuxent River

Propulsion
Arnold Engineering Development Center

Rotary Wing Support Functions
Yuma Proving Grounds

BSEC ACTION: NAWC Pax was a receiving site for NAWC Lakehurst and NAWC Indianapolis

AIR TO AIR AND AIR TO GROUNDWEAPONS

The Military Departments should consider consolidating all fixed wing air to air and air to ground weapons RDT&E at NAWC Weapons Division, China Lake.

Lab work in Weapons-Bombs
Relevant lab work in conventional missiles and rockets, cruise missiles and guided projectiles.
Associated work in energetics and in T&E

Principal candidates for realignment or closure are:
NSWC Indian Head
NAWC Indianapolis
NAWC Pt. Mugu
NAWC Paxtuxent River
Wright Lab, Eglin AFB
Aeronautical Systems Center, Eglin AFB

BSEC ACTION: NAWC Pt. Mugu and NAWC China Lake are under single management from BRAC 91. NAWC Indianapolis weapons efforts were moved to NAWC China Lake. NSWC Indian Head consolidation to NAWC China Lake COBRA analysis did not justify closure.

JOINT CROSS-SERVICE GROUP
STATUS OF ALTERNATIVES

Tab A -- Depot Maintenance

Tab B -- Laboratories

Tab C -- Military Treatment Facilities

Tab D -- Test and Evaluation (T&E)

Tab E -- Undergraduate Pilot Training

The information sheets located at the attached Tabs provide the status as of 12 January 1995 on Department of the Navy (DON) action with regard to alternatives received from the Department of Defense Joint Cross-Service Groups (JCSG).

In summary, DON has considered all alternatives received from the JCSG and has responded to all requests for data received from the other Military Departments seeking realignment information in order to complete their internal COBRA runs. For those JCSG alternatives proposing closure or realignment of DON activities or installations, as reflected in the Tabs, all but one of the Depot Maintenance alternatives, all of the significant Laboratory alternatives, all of the Military Treatment Facilities alternatives, all of the significant T&E alternatives, and all of the Undergraduate Pilot Training alternatives resulted in COBRA scenario data calls.

Because of the detailed approach utilized by the JCSG for Laboratories and T&E, there is not a one-for-one correlation with DON Technical Center scenarios. For example, 75% of the alternatives proposed by the Laboratories JCSG involved the realignment of activities with less than 40 workyears maximum capacity, and were not considered to be significant to the BRAC process, but possible under other work management procedures available to the DON. DON Technical Center scenarios which involved both Laboratories and T&E propose the elimination of over 13,000 workyears of technical capacity and an elimination of nearly 4,000 positions.

Encl (1)

Joint Cross Service Group-Depot Maintenance
DON Response to Alternatives

DON #	Description of Scenario	ACTION	RESULTS	BSEC ACTION
-078	• **Realign NADEP North Island:** Tfx Commodity 2c (Hydraulics/Pneumatics) to NADEP Cherry Point Tfx Commodity 2e (Landing Gear) to ALC Ogden	COBRA Analysis	Not Cost Effective	Removed from further consideration
-079	• **Realign NADEP Cherry Point:** Tfx Commodity 2d (Instruments) to NADEP North Island Tfx Commodity 2e (Landing Gear) to ALC Ogden Tfx Commodity 2g (Avionics/Electronics) to NADEP North Island Tfx Commodity 3d (Blades/Vanes) to ALC-Oklahoma City	COBRA Analysis	Not Cost Effective	Removed from further consideration
-080	• **Realign NADEP Jacksonville / ALT DM1** Tfx Commodity 2c (Hydraulics/Pneumatics) to NADEP Cherry Point Tfx Commodity 2d (Instruments) to NADEP North Island Tfx Commodity 2e (Landing Gear) to ALC-Ogden Tfx Commodity 2g (Avionics/Electronics) to NADEP North Island	COBRA Analysis	Not Cost Effective	Removed from further consideration
-081	• **Close NSYD Long Beach / ALT DM1** Tfx Commodity 7a (Radar) to ALC Sacramento Tfx Commodity 7b (radio) to ALC Sacramento Tfx Commodity 7f (EO/NV) to NSYD Puget Sound Tfx Commodity 11a (Sea Systems-Ships) to any open DON Depot activity Tfx Commodity 11b (Sea Systems-Weapons) to any open DON Depot activity Tfx Commodity 11d (Shipyard Support) to any open DON Depot activity Tfx Commodity 13a (Bearings) to NADEP North Island	COBRA Analysis	Cost Effective Note 1	Approved DON Scenario

DON #	Description of Scenario	ACTION	RESULTS	BSEC ACTION
-082	• **Close NSYD Long Beach / ALT DM2** Tfx Commodity 7a (Radar) to any open DON Depot activity Tfx Commodity 7b (radio) to Tobyhanna Army Depot Tfx Commodity 7f (EO/NV) to NSWC Crane Tfx Commodity 11a (Sea Systems-Ships) to any open DON Depot activity Tfx Commodity 11b (Sea Systems-Weapons) to any open DON Depot activity Tfx Commodity 11d (Shipyard Support) to any open DON Depot activity Tfx Commodity 13a (Bearings) to NADEP North Island	COBRA Analysis	Cost Effective Note 1	Approved DON Scenario
-083	• **Close NSYD Portsmouth / ALT DM1** Tfx Commodity 7f (EO/NV) to NSYD Puget Sound Tfx Commodity 11a (Sea Systems-Ships) to any open DON Depot activity Tfx Commodity 11c (Shipboard Support) to any open DON Depot activity Tfx Commodity 11d (Shipyard Support) to any open DON Depot activity Tfx Commodity 11e (Ship Design) to any open DON Depot activity.	COBRA Analysis	Note 2	Removed from further consideration
-084	• **Close NSYD Portsmouth / ALT DM2** Tfx Commodity 7f (EO/NV) to NSWC Crane Tfx Commodity 11a (Sea Systems-Ships) to any open DON Depot activity Tfx Commodity 11c (Shipboard Support) to any open DON Depot activity Tfx Commodity 11d (Shipyard Support) to any open DON Depot activity Tfx Commodity 11e (Ship Design) to any open DON Depot activity.	COBRA Analysis	Note 2	Removed from further consideration
-085	• **Realign NSYD Norfolk / ALT DM1** Tfx Commodity 7a (Radar) to ALC Sacramento	COBRA Analysis	Not Cost Effective	Removed from further consideration

DON #	Description of Scenario	ACTION	RESULTS	BSEC ACTION
-086	• **Realign NSYD Norfolk / ALT DM2** Tfx Commodity 7a (Radar) to any open DON Depot activity	COBRA Analysis	Note 3	Removed from further consideration
-087	• **Realign NSYD Pearl Harbor / ALT DM1** Tfx Commodity 7a (Radar) to ALC Sacramento Tfx Commodity 7b (Radio) to ALC Sacramento	COBRA Analysis	Not Cost Effective	Removed from further consideration
-088	• **Realign NSYD Pearl Harbor / ALT DM2** Tfx Commodity 7a (Radar) to any open DON Depot activity Tfx Commodity 7b (Radio) to Tobyhanna Army Depot	COBRA Analysis	Not Cost Effective	Removed from further consideration
-089	• **Realign NSYD Puget Sound / ALT DM1** Tfx Commodity 7b (Radio) to ALC Sacramento Tfx Commodity 7f (EO/NV) to NSWC Crane	COBRA Analysis	Not Cost Effective	Removed from further consideration
-090	• **Realign NSYD Puget Sound / ALT DM2** Tfx Commodity 7b (Radio) to Tobyhanna Army Depot Tfx Commodity 7f (EO/NV) to NSWC Crane	COBRA Analysis	Not Cost Effective	Removed from further consideration
-091	• **Realign NSWC Crane / ALT DM1** Tfx Commodity 2g (Avionics/Electronics) to NADEP North Island Tfx Commodity 4b (Tactical Missiles) to ALC Ogden Tfx Commodity 7f (EO/NV) to NSYD Puget Sound Tfx Commodity 11a (Sea Systems-Ships) to any open DON Depot activity Tfx Commodity 11b (Sea Systems-Weapons) to any open DON Depot activity	COBRA Analysis	Not Cost Effective	Became a receiving site
-092	• **Realign NSWC Louisville / ALT DM1** Tfx Commodity 11b (Sea Systems-Weapons) to any open DON Depot activity	COBRA Analysis	Cost Effective Note 1	Approved DON Scenario
-093	• **Realign NUWC Keyport / ALT DM1** Tfx Commodity 11b (Sea Systems - Weapons) to any open DON Depot activity	COBRA Analysis	Cost Effective Note 1	Approved DON Scenario

DON #	Description of Scenario	ACTION	RESULTS	BSEC ACTION
-094	• **Realign MCLB Albany** Tfx Commodity 6b (Tanks) to Anniston Army Depot Tfx Commodity 7a (Radar) to ALC Sacramento Tfx Commodity 7b (Radio) to Tobyhanna Army Depot	COBRA Analysis	Not Cost Effective	Removed from further consideration
-095	• **Realign MCLB Barstow** Tfx Commodity 6b (Tanks) to Anniston Army Depot Tfx Commodity 7a (Radar) to ALC Sacramento Tfx Commodity 7b (Radio) to Tobyhanna Army Depot	COBRA Analysis	Not Cost Effective	Removed from further consideration
-102 RMA *	• **Realign NADEP Jacksonville** Tfx Commodity 2c (Hydraulics/Pneumatics) to NADEP Cherry Point Tfx Commodity 2d (Instruments) to NADEP North Island Tfx Commodity 2e (Landing Gear) to ALC-Ogden Tfx Commodity 2g (Avionics/Electronics) to NADEP North Island	COBRA Analysis	Note 4	Removed from further consideration

* RMA: The Regional Maintenance Activity (RMA) scenario evolved from the JCSG-DM alternatives. The RMA was proposed from a combination of all DON industrial activities (depot and intermediate level) to provide necessary industrial maintenance support to the Surface, Subsurface and Aviation Fleet units in the South East Region. NADEP Jacksonville facilities provided the foundation for the RMA. It consolidates like production line functions from the two AIMDs, SIMA and TRF activities under one central management organization and would retain sufficient depot capability to meet Fleet requirements, including the major ASW concentration in the region. Specialized functions would remain in place.

Note 1: A similar DON scenario that closed this activity was more cost effective.

Note 2: NSYD Portsmouth has a required nuclear capacity that must be retained.

Note 3: Although showing a slight ROI, this scenario contradicts DON policy to move depot workload out of the naval warfare centers and into the depot activities.

Note 4: This scenario was removed from consideration for the following reasons:
(a) although the concept is an ongoing DON initiative, the RMA is in the development phase, consequently this analysis was based on data that does not meet DON's standards for BRAC
(b) NADEP Jacksonville was identified as a receiving site that enabled the closure of a major technical center.

C4I

Collocate SPAWAR at CECOM, Fort Monmouth or ESC, Hanscom AFB.

Collocate ESC Hanscom with CECOM & SPAWAR at Ft. Monmouth

Realign Rome Lab, Griffiss AFB to NRaD San Diego and other places.

Realign Rome Lab, Hanscom AFB to NRaD San Diego or to CECOM Ft. Monmouth

BSEC ACTION: A SPAWAR scenario consolidating it at NRAD San Diego was most cost effective and was selected.

MILITARY TREATMENT FACILITIES JCSG ALTERNATIVES

DON #	SCENARIO	ACTION	COBRA ANALYSIS RESULTS	BSEC ACTION	BSEC RESPONSE TO JCSG
105	NH CORPUS CHRISTI REALIGN TO CLINIC	REVIEWED AND COBRA ISSUED(12/3)	COST EFFECTIVE ALTERNATIVE	APPROVED THE SCENARIO (12/15), SCENARIO REMOVED ON 12/29 SINCE THIS IS A PLANNED ACTION BY BUMED IN THE POM AND BRAC 95 ACTION CHANGES AREA DEMOGRAPHICS	LTR SENT TO CHR OF JCSG BY ASN(I&E) ON 12/15; RESPONSE TO 12/29 ACTION PENDING
104	NH BEAUFORT REALIGN TO CLINIC	REVIEWED AND COBRA ISSUED(12/3)	NOT COST EFFECTIVE (SHORTAGE OF LOCAL INPATIENT CARE)	SCENARIO REMOVED (12/15)	LTR SENT TO CHR OF JCSG BY ASN(I&E) ON 12/15

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DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20350-1000

MN-0567-F11
BSAT/ON
21 Feb 95

MEMORANDUM

Subj: MINUTES OF BASE STRUCTURE EVALUATION COMMITTEE MEETING OF 25 JANUARY 1995

Encl: (1) Joint Technical scenarios
(2) Briefing Materials for COBRA Analysis (SPAWAR to Hanscom)
(3) Briefing Materials for COBRA Analysis (SPAWAR Comparison)
(4) Briefing Materials for COBRA Analysis (NRL Satellites)
(5) Briefing Materials for COBRA Analysis (C4I)
(6) Briefing Materials for COBRA Analysis (NRAD Satellites)
(7) Briefing Materials for COBRA Analysis (ARI to Orlando)
(8) Briefing Materials for COBRA Analysis (Wright/Phillips Labs)
(9) Briefing Materials for COBRA Analysis (EC T&E Work)

1. The forty-second meeting of the Department of the Navy (DoN) Base Structure Evaluation Committee (BSEC) convened at 0905 on 25 January 1995 in the Base Structure Analysis Team (BSAT) Conference Room at the Center for Naval Analyses. The following members of the BSEC were present: The Honorable Robert B. Pirie, Chairman; Mr. Charles P. Nemfakos, Vice Chairman; and Vice Admiral Richard Allen, USN. The following members of the BSAT were present: Mr. Richard A. Leach; Mr. John Turnquist; Mr. Gerald Schiefer; Ms. Anne Rathmell Davis; Mr. David Wennergren; Mr. John Trick; Mr. Don DeYoung; Captain Michael Golembieski, MC, USN; Captain David Rose, USN; Captain Richard R. Ozmun, JAGC, USN; Commander Mark Samuels, CEC, USN; and Lieutenant Colonel Orval E. Nangle, USMC.

2. A quorum of the BSEC was not present. Accordingly, the BSEC members agreed to limit the session to reviewing information collected for Joint Cross Service Group scenarios. No DoN recommendations will be presented or discussed. Enclosure (1) is a list of the JCSG Technical scenarios. Those checked are already completed, and those marked "BSEC" are now ready for response to the appropriate JCSG.

3. Captain Golembieski briefed the members on the COBRA responses collected for the JCSG scenario locating SPAWAR headquarters at Hanscom AFB. See enclosure (2). New military construction would be required at Hanscom for all SPAWAR functions. This creates substantial one-time costs of $68.3M, a return on investment in 6 years, and a net present value of $36.7M. This analysis utilizes the Air Force construction numbers. Enclosure (3) is a comparison of the JCSG scenarios, locating SPAWAR at Fort Monmouth or Hanscom, and the DoN recommendation consolidating SPAWAR at San Diego. The DoN recommendation consolidating SPAWAR Headquarters with the lab work at San Diego results in much greater savings because it

eliminates an entire layer of management, 405 billets. The DoN lab work cannot be moved to Fort Monmouth or Hanscom because it uses DoN ships as test vehicles. Collocation with the other Military Departments might encourage sharing information and may over time allow elimination of some support billets.

4. Mr. Trick briefed the members on the COBRA response collected for the JCSG scenario locating NRL (satellites) at SMC, Los Angeles AFB. See enclosure (4). Since there is no available space at SMC, military construction would be required for all NRL functions. The Lab equipment at NRL's present site would have to remain there to support other functions that are not moving. The one-time costs reflected in the analysis do not include the costs of replacing necessary equipment which would not move. This makes the approach very conservative as costs would probably be $20M to $30M greater. The scenario produces only steady-state costs, not savings. There would be no synergism from collocation as SMC's work is primarily contract administration and NRL's work is technical.

5. Mr. Trick briefed the BSEC on a draft DoN COBRA response for an Air Force request to send C4I Fixed Ground functions from Hanscom AFB to NCCOSC RDT&E Division San Diego. See enclosure (5). The request sought 39,000 square feet of office space. NRAD estimated rehabilitation costs of $20 per square foot. The Air Force maintains that the people are presently located in 39,000 square feet, and there is no excess space. The BSAT intends to respond using the data developed with two caveats: (a) DoN believes personnel savings are possible but with the information provided cannot predict how much, and (b) the square feet required per person is greater than DoN standards.

6. Mr. Trick briefed the members on the BSAT response to the JCSG alternative locating satellite common support functions from NRAD San Diego to SMC, Los Angeles AFB. The NRAD functions are associated with communications interface of shipboard terminals and as such are really a C4I function. None of its functions are for engineering development of control of satellite positioning or for the satellite itself. See enclosure (6). As such it is inappropriate to consider this satellite function as intended by the JCSG.

7. Mr. Trick briefed the BSEC on a draft DoN COBRA response for Army requests to send Training Systems (J-28) and Manpower and Personnel (J-27) from ARI Alexandria to NAWC Orlando. See enclosure (7). NAWC Orlando is located in the De Florez Building and has space available for approximately 10 additional people. The requests sought 7,500 and 16,500 square feet of space. The data response puts all the people in leased space with computer

links to the Navy/Army LAN system. The BSAT intends to respond with two options: (a) a Navy lease and (b) an Army lease. The data reflects some recurring savings arising from the elimination of travel between the present locations.

8. Mr. DeYoung briefed the members on the BSAT's response to the JCSG alternative moving certain Wright Laboratory work and ASC work from Eglin AFB to NAWC China Lake. See enclosure (8). The response assumes the Air Force activities will be integrated as part of China Lake's mission and that the 98 SETA/TEMS contractors do not require government spaces. Because the Air Force would not break out the functions and workyears performed at each facility, the response assumed 20% efficiency would be achieved (i.e. only 80% of the personnel transferring would be required) from integration. There may be further savings if the information regarding functions is provided. Based on space and facilities available, China Lake reduced the required MILCON identified by the Air Force by 71% and moved equipment of only 7 of 17 facilities. Mr. Nemfakos reminded the BSAT that the BSEC had not allowed cost savings due to greater efficiencies arising from reduced manyear rates in DoN or JCSG scenarios. Mr. DeYoung said he would remove those savings from the response.

9. Mr. DeYoung briefed the members on the BSAT's response to the JCSG alternative moving certain Phillips Laboratory work from Edwards AFB to NAWC China Lake. See enclosure (8). The response assumes the Air Force activities will be integrated as part of China Lake's mission and that the very large rocket motor test stands at Edwards AFB will be operated as a China Lake Detachment. Because the Air Force would not break out the functions performed, the response assumed 20% efficiency would be achieved (i.e. only 80% of the personnel transferring would be required) from integration. There may be further savings if the information regarding functions is provided. Based on space and facilities available, China Lake reduced the required MILCON identified by the Air Force by 98%. Mr. DeYoung said he would remove those savings due to greater efficiencies arising from reduced manyear rates from the response.

10. Commander Samuels briefed the members on the BSAT's response to the JCSG alternatives moving Electronic Combat hardware-in-the-loop T&E work from AFDTC, Buffalo, NY, and AFEWES, Fort Worth, Texas, to NAWC Patuxent River and NAWC Point Mugu. Commander Samuels reviewed the alternatives, the functions performed at the activities to move, their historical workloads, and the projected costs. See enclosure (9). NAWC Patuxent River did not project any MILCON or rehabilitation costs for its space because of the projected availability of space at St. Inigoes that will not be

used by NAESU and NATSF. Recurring savings are due in part to the number of simulators that would no longer be required. After discussion, Commander Samuels agreed to reflect the amount saved by not moving simulators as an amount to be determined, and the miscellaneous recurring savings as billets eliminated vice an estimated dollar figure since DoN has no information on the actual contractor costs.

11. The meeting adjourned at 1035.

CHARLES P. NEMPAKOS
Vice Chairman, BSEC

JOINT TECHNICAL

DON SENT TO OTHER DEPARTMENTS:

T&E

NOT Responding AF 041- MOVE PM CFS T&E TO EGLIN AFB
" AF 042- MOVE PAX AIR VEHICLES T&E TO EDWARDS AFB
" AF 043- MOVE CL CFS T&E TO EGLIN AFB
" AF 044- MOVE CL RKT PLUME TESTS TO EDWARDS AFB
" AF 045- MOVE CL RKT SLED TRACK TESTS TO HOLLOMAN AFB
OBE w/043 A 046- MOVE CL GUN LINE TO YUMA PROVING GROUNDS
" A 047- MOVE CL STRATEGIC RKT/ORD TESTS TO WSMR

LAB

BSEC ✓ AF 0 - MOVE SPAWAR TO HANSCOM AFB
✓ AF 0 - MOVE SPAWAR TO FT MONMOUTH
IN WORK A 0 - MOVE INDIAN HEAD ENERGETICS TO PICATINNY
BSEC AF 0 - MOVE NRL SATELLITES TO SMC
BSEC AF 0 - MOVE NRAD SATELLITES TO SMC

Encl (1)

JOINT TECHNICAL

SENT TO DON BY OTHER DEPARTMENTS

LAB

✓	AF	J-26	MOVE TRAINING SYSTEMS FROM WILLIAMS AFB TO NAWC TSD
BSEC	AF	J-25	MOVE HANSCOM C4I TO NRAD SAN DIEGO
BSEC	AF	J-31	MOVE PHILLIPS RPL, EDWARS AFB TO NAWC CHINA LAKE
BSEC	AF	J-32	MOVE ASC AND WL EGLIN WEAPONS TO NAWC CHINA LAKE
BSEC	A	J-27	MOVE ARI MANPOWER TO NAWC TSD ORLANDO
BSEC	A	J-28	MOVE ARI TRAINING SYSTEMS TO NAWC TSD ORLANDO
✓	A	J-23	MOVE PICATINNY PYROTECHNICS TO NSWC CRANE
✓	A	J-14	MOVE AVRDEC PROP, AVIONICS, FLIGHT SYS RDT&E TO NAWC PAX
✓	A	J-15	MOVE AVRDEC PROP, AVIONICS, FLIGHT SYS ISE TO NAVAIR / PMA
✓	A	J-16	MOVE MRDEC HUNSTVILLE TO NAWC CHINA LAKE

T&E

✓	A	J-20	MOVE ROTARY AT FT. RUCKER TO NAWC PAX
✓	A	J-21	MOVE ROTARY AQDT DET AT EDWARDS TO NAWC PAX
✓	A	J-22	MOVE REDSTONE T&E TO NAWC WPNS CHINA LAKE / PT. MUGU
BSEC	AF	J-33	MOVE AFEWES TO NAWC PT. MUGU OR NAWC PAX
BSEC	AF	J-34	MOVE RECAP TO NAWC PT. MUGU OR NAWC PAX

ARI ALEXANDRIA to NAWC ORLANDO
MANPOWER & PERSONNEL and TRAINING SYSTEMS

* De Florez Building - Space available for 10 people
* STRICOM is a Navy tenant both in the De Florez Building (Navy Lease) and in Army Leased space elsewhere in the Industrial Park

NAWC ORLANDO ASSUMPTIONS:

- Does not split people, therefore all in lease space
- Will become part of Navy/Army LAN System
- Costed to provide: Security, minor admin, mail/communications, ADP/LAN support
- Did not cost optional services (reimburseables) Contractual, Legal & Supply

Encl (7)

J27 MANPOWER & PERSONNEL S&T
J28 TRAINING SYSTEMS S&T

FROM: USA RESEARCH INSTITUTE FOR BEHAVIORAL & SOCIAL SCIENCES
ALEXANDRIA, VA

TO: ORLANDO, FL COLOCATE WITH STRICOM
NAWC TRAINING SYSTEMS DIVISION

REQUIREMENTS:

	PERSONNEL	FACILITIES
MANPOWER & PERSONNEL	61	16500 SQFT
TRAINING SYSTEMS	29	7500 SQFT

J27 MANPOWER & PERSONNEL
From ARI ALEXANDRIA to NAWC ORLANDO

		OPTION 1 NAVY LEASE		OPTION 2 ARMY LEASE
ONE-TIME COSTS				
* Telecommunications (Phones/Cabling/Circuit Boards/Connection)		$81.7K		$81.7K
* ADP/LAN System Compatibility Upgrades ($1200 Software & $2000 Hardware per station)		$195.2K		$195.2K
ONE-TIME SAVINGS		NONE		NONE
RECURRING COSTS				
* Lease 16,500 SQFT @ $16.00 per SQFT		$264.0K		0
* Interservice Support Agreement				
- Telecommunications	$27.4K		$27.4K	
- Disposal	$5.0K		0	
- Supplies	$20.0K		0	
- HRO	$48.0K		$48.0K	
- ADP/LAN Support	$33.5K		$33.5K	
		$133.9K		$108.9K
RECURRING SAVINGS		NONE		NONE
MILCON		NONE		NONE

J28 TRAINING SYSTEMS
From ARI ALEXANDRIA to NAWC ORLANDO

		OPTION 1 NAVY LEASE		OPTION 2 ARMY LEASE
ONE-TIME COSTS				
* Telecommunications (Phones/Cabling/Circuit Boards/Connection)		$72.8K		$72.8K
* ADP/LAN System Compatibility Upgrades ($1200 Software & $2000 Hardware per station)		$92.8K		$92.8K
ONE-TIME SAVINGS		NONE		NONE
RECURRING COSTS				
* Lease 7,500 SQFT @ $16.00 per SQFT		$120.0K		0
* Interservice Support Agreement				
- Telecommunications	$18.0K		$18.0K	
- Disposal	$5.0K		0	
- Supplies	$10.0K		0	
- HRO	$22.4K		$22.4K	
- ADP/LAN Support	$17.5K		$17.5K	
		$72.9K		$57.9K
RECURRING SAVINGS				
* Reduced Travel		$24.0K		$24.0K
MILCON		NONE		NONE

ASSUMPTIONS

- **COMMON ASSUMPTIONS.**
  - AF ACTIVITIES DO NOT RELOCATE AS TENANTS -- THEY BECOME PART OF NAWCWPNS MISSION.
  - SCENARIOS ARE INDEPENDENT OF OTHER BRAC SCENARIOS.

- **SPECIFIC ASSUMPTIONS.**
  - ***WRIGHT LAB / ASC***:
    - 98 SETA/TEMS CONTRACTORS DO NOT REQUIRE OFFICE SPACE IN GOVT BUILDINGS. 85 CONTRACTORS ACCOMMODATED W / O REHAB. REHAB REQUIRED FOR 65 SETA CONTRACTORS. RDT&E SPACE ADEQUATE FOR 218 SETA.
    - ONLY 80% OF PERSONNEL AUTHORIZATION NEED TRANSFER DUE TO A 20% EFFICIENCY FACTOR.

  - ***PHILLIPS LAB***:
    - NAWCWPNS LEAVES VERY LARGE ROCKET MOTOR TEST STANDS AT EDWARDS AFB AS A NAWCWPNS DET.
    - ALL SETA/TEMS CONTRACTOR PERSONNEL REQUIRE SPACE

Encl (8)

SCENARIO: **WRIGHT LAB / ASC**-EGLIN AFB TO NAWC **CHINA LAKE**

- REALIGN AIR LAUNCHED WEAPONS *RDT&E* TO INCLUDE LAB WORK IN *BOMBS*;

- PLUS RELEVANT LAB WORK IN *CONVENTIONAL MISSILES AND ROCKETS*, *CRUISE MISSILES*, AND *GUIDED PROJECTILES*;

- ALSO, ASSOCIATED WORK IN *ENERGETICS* AND IN *T&E*.

WL / ASC TO CHINA LAKE:
ISSUES

- AF DID NOT IDENTIFY ASC FACILITIES BY MAJOR TECHNICAL FUNCTION--ONLY BY BUILDING #.

- WL AND ASC DID NOT IDENTIFY WYs FOR EACH FACILITY BY TYPE OF SPACE (i.e., ADMIN., TECH., STORAGE)

- AF RESPONSE TO RFCs:

  "REQUESTED BREAKDOWN...IS NOT AVAILABLE. IN ADDITION, OUR CURRENT EXPERIENCE ON BOTH WITHIN SERVICE COSTING AND RESPONSES FROM THE ARMY IS THAT THIS LEVEL OF DETAIL IS NOT NECESSARY."

WL / ASC TO CHINA LAKE:
SPACE REQUIREMENTS

[redacted]	SPACE REQUIREMENT (SQ FT)	CHINA LAKE RESPONSE (SQ FT)	DELTA
NEW CONSTRUCTION REQUIREMENT		11,140	
REHAB REQUIREMENT		198,793	
TOTAL MILCON	724,200	209,933	514,267 (-71%)

WL / ASC TO CHINA LAKE:
COSTS / SAVINGS

- **UNIQUE ONE-TIME COSTS.**
  - *TBD*: MOVE, INSTALLATION & CALIBRATION OF THE EQUIPMENT FROM 7 FACILITIES.

- **UNIQUE ONE-TIME SAVINGS.**
  - *TBD*: AVOIDANCE OF MOVE, INSTALLATION & CALIBRATION OF DUPLICATIVE EQUIPMENT.

- **MISCELLANEOUS RECURRING SAVINGS.**
  - *SALARIES OF 183 ELIMINATED GOV'T POSITIONS*: EFFICIENCIES RESULTING FROM COLLOCATING AIR LAUNCHED WEAPONS AT SINGLE SITE.
  - *SALARIES OF 117 SETA/TEMS CONTRACTORS ELIMINATED*
  - *$21,350 K*: COST SAVINGS DUE TO 731 ADDITIONAL WYs WHICH REDUCES MAN YEAR RATE.

SCENARIO: **PHILLIPS LAB** - EDWARDS AFB TO NAWC **CHINA LAKE**

- CONSOLIDATE ALL *MISSILE AND ROCKET PROPULSION RDT&E.*

PHILLIPS LAB TO CHINA LAKE:
ISSUES

- SPACE REQUIREMENT IS CONSIDERABLY GREATER THAN THAT REQUIRED FOR POSITIONS IDENTIFIED.
  - AF RESPONSE: "REQUESTED ADMIN SPACE... IS CONSISTENT WITH THE NUMBER OF PERSONNEL."

- OFF-SITE CONTRACTORS ARE INCLUDED.
  - AF RESPONSE: "OFF-SITE CONTRACTORS ARE IDENTIFIED TO SHOW TOTAL WORKLOAD AND PERSONNEL IMPACT TO GAINING AREA / COMMUNITY."

PHILLIPS LAB TO CHINA LAKE:
SPACE REQUIREMENTS

	SPACE REQUIREMENT (SQ FT)	CHINA LAKE RESPONSE (SQ FT)	DELTA
NEW CONSTRUCTION REQUIREMENT		14,660	
REHAB REQUIREMENT		3,500	
TOTAL MILCON	817,500	18,160	799,340 (-98%)

PHILLIPS LAB TO CHINA LAKE:
COSTS / SAVINGS

- **UNIQUE ONE-TIME COSTS.**
  - *$200K*: INSTRUMENTATION TO SUPPORT SATELLITE PROPULSION COMPLEX.
- **UNIQUE ONE-TIME SAVINGS.**
  - *TBD*: DUPLICATE EQUIPMENT & PERSONNEL NOT MOVED TO CHINA LAKE.
- **MISCELLANEOUS RECURRING COSTS.**
  - *TBD*: COSTS OF MAINTAINING NAWCWPNS FACILITIES AT EDWARDS.
- **MISCELLANEOUS RECURRING SAVINGS.**
  - *SALARIES OF 200 ELIMINATED POSITIONS*: EFFICIENCIES RESULTING FROM COLLOCATING AIR LAUNCHED WEAPONS AT SINGLE SITE.
  - *$4,649K*: COST SAVINGS DUE TO 127 ADDITIONAL WYs WHICH REDUCES MAN YEAR RATE.

T&E JCSG Electronic Combat Alt - TE-1(EC)

- Move the Electronic Combat Hardware-In-The-Loop T&E work currently accomplished in the REal-time Digitally Controlled Analyzer/Processor (REDCAP) facility at AFDTC Buffalo, NY to a core T&E activity. Potential gaining activities are AFFTC Edwards AFB, NAWC Patuxent River, and NAWC Point Mugu.

Encl (9)

T&E JCSG Electronic Combat Alt - TE-1(EC)

- <u>REDCAP</u> - Provide validated threat radar, command and control, airborne interceptor, data link and Airborne Electronic Warfare (AEW) simulations.
  - An Integrated Air Defense System simulation incorporates the latest in former Soviet Union command and control (including both GCI and SAM weapons control), data link, airborne interceptor, and AEW capabilities.

T&E JCSG Electronic Combat Alt - TE-2(EC)

- Move the Electronic Combat (EC) Hardware-In-The-Loop T&E work currently accomplished in the Air Force Electronic Warfare Evaluation Simulator (AFEWES) facility at AFDTC Ft. Worth, TX to a core T&E activity. Potential gaining activities are AFFTC Edwards AFB, NAWC Patuxent River, and NAWC Point Mugu.

T&E JCSG Electronic Combat Alt - TE-2(EC)

- AFEWES - Provides technical evaluations of EC systems (ECM systems, RWRs, decoys, IRCM systems, flares, etc.) and techniques in simulated RF and IR threat environments.
  - Combines actual frequency, real-time, and man-in-the-loop testing with the capability to evaluate effectiveness in a dense background environment.
  - Maintains a large group of surface-to-air missile, airborne interceptor, IR missile, early warning/acquisition radar, communications/data link, C^3, and AAA "closed-loop" simulations available for jammer/receiver evaluations. Open-loop Multiple Emitter Generator is also available.

AFEWES & REDCAP Historical Workloads

- AFEWES
  - **FY92 - 2,405 test hours**
  - **FY93 - 4,605 test hours**
  - **Projected Workload for FY2001 - 2,524 test hours**
  - **From FY86 to FY93 Averaged 33 Direct Labor WY's from 53 billets**

- REDCAP
  - **FY92 - 160 Test hours**
  - **FY93 - 80 Test hours**
  - **Projected Workload for FY2001 - 86 test hours**
  - **From FY86 to FY93 Averaged 2.4 Direct Labor WY's from 32 billets**

REDCAP & AFEWES Scenario Response Comparisons

	# Personnel	Net One-Time Costs/Savings (+/-)	Total Cost To Provide Req'd Space
REDCAP			
Air Force Reqm't	32		28,000 SF
NAWC Patuxent River	17	-$6,178	$0
NAWC Point Mugu	30	-$1,160	$1.2M (Rehab)
AFEWES			
Air Force Reqm't	53		39,000 SF
NAWC Patuxent River	33	-$15,390	$0
NAWC Point Mugu	45	-$4,708	$1.9M (Rehab)

NAWC Point Mugu Response for REDCAP

Air Force Requirements: Personnel: 2 Military, 1 Civilian, 29 Contractors
Equipment: 110 Tons; 15, 091 CF
Facilities: 23,000 SF Test area, and 5,000 SF Office area

Table 3-A: Dynamic Base Information ($000's)

Gaining Base Name: NAWC Point Mugu, CA								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs							
b.	One-Time Unique Savings							
c.	Environmental Mitigation							
d.	Misc. Recurring Costs							
e.	Misc. Recurring Savings			$290	$290	$290	$290	$1,160
f.	Land Purchases							

Table 3-B: MILCON Requirements - 23,000 SF Rehab spaces at $54/SF

NAWC Patuxent River Response for REDCAP

Air Force Requirements: Personnel: 2 Military, 1 Civilian, 29 Contractors
Equipment: 110 Tons; 15, 091 CF
Facilities: 23,000 SF Test area, and 5,000 SF Office area

Table 3-A: Dynamic Base Information ($000's)

Gaining Base Name: NAWC Patuxent River, MD								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs			$250				$250
b.	One-Time Unique Savings			TBD				TBD
c.	Environmental Mitigation							
d.	Misc. Recurring Costs							
e.	Misc. Recurring Savings			$1,607	$1,607	$1,607	$1,607	$6,428
f.	Land Purchases							

Table 3-B: MILCON Requirements - No Cost, use existing spaces at St. Inigoes.

NAWC Point Mugu Response for AFEWES

Air Force Requirements: Personnel: 4 Military, 1 Civilian, 48 Contractors
Equipment: 282 Tons; 24,028 CF
Facilities: 36,621 SF Test area, and 2,379 SF Office area

Table 3-A: Dynamic Base Information ($000's)

Gaining Base Name: NAWC Point Mugu, CA								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs							
b.	One-Time Unique Savings		$67.5					$67.5
c.	Environmental Mitigation							
d.	Misc. Recurring Costs							
e.	Misc. Recurring Savings			$1,160	$1,160	$1,160	$1,160	$4,640
f.	Land Purchases							

Table 3-B: MILCON Requirements

35,371 SF of RDT&E spaces at $54/SF Rehab.($1.9M)
2,379 SF of Office space @ no cost.

NAWC Patuxent River Response for AFEWES

Air Force Requirements: Personnel: 4 Military, 1 Civilian, 48 Contractors
Equipment: 282 Tons; 24,028 CF
Facilities: 36,621 SF Test area, and 2,379 SF Office area

Table 3-A: Dynamic Base Information ($000's)

Gaining Base Name: NAWC Patuxent River, MD								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs			$250				$250
b.	One-Time Unique Savings			TBD				TBD
c.	Environmental Mitigation							
d.	Misc. Recurring Costs							
e.	Misc. Recurring Savings			$3,971	$3,910	$3,910	$3,910	$15,640
f.	Land Purchases							

Table 3-B: MILCON Requirements - No Cost, use existing spaces at St. Inigoes.

Excessed AFEWES Simulators

- SA-10
- JETS
- SA-3
- AA-2
- IFF
- MEG
- SA-2B
- GENERIC PDAI
- COMM/DL
- C3(4)
- TDS
- SA-2D
- WILD CARD
- TACAN
- C3(8)

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process we have the specific goals stated in mind. Next week, we will begin preparation of the statement to the Base Closure Commission where the Secretary will relate the BRAC-95 recommendations to his posture statement for the Department.

4. The final DoN recommendations are to close or realign sixty-two activities, producing $1.5B in one-time savings and steady-state savings of $616M. The twenty-year net present value of the actions is $8.7B. These numbers have changed over time and will continue to change slightly as the Naval Audit Service completes its review. Nineteen of the impacted activities are technical centers. The reason is that technical centers were one area that DoN was unable to effectively reduce in prior rounds. The actions impacting technical centers and industrial activities produce the largest savings.

5. Mr. Nemfakos presented a map showing all the activities recommended for closure or realignment. He then briefly described a number of the actions for each geographic location.

a. South Weymouth. NAS Atlanta actually had a lower military value score than South Weymouth, but NAS Atlanta could not close because of demographics. There was also an operational need to have an air station north of Norfolk, and NAS Brunswick is the most capable of those air stations. South Weymouth is closing to reduce excess capacity and to permit DoN to retain NAS Brunswick.

b. Submarine Base New London. As a result of the 1993 BRAC Commission decision to retain the submarine piers at Sub Base New London, the facilities intended for the Nuclear Power School are no longer available. Locating the School at Naval Weapons Station Charleston, SC, avoids higher construction costs at New London, provides access to training ships, and allows follow-on tours in the area. The NUWC New London will close and consolidate at the NUWC Newport.

c. NAWC Lakehurst. The recommendation retains 500 to 600 personnel in an enclave to perform catapult and arresting gear testing and fleet support. Fabrication work goes to NADEP Jacksonville where it consumes excess capacity and other work to NAWC Patuxent River.

d. Norfolk. Recommendations consolidate ship systems (guns) depot and general industrial work at NSYD Norfolk. This was consistent with the DoN approach of removing depot level maintenance workload from technical centers and returning it to industrial activities. It also consumes excess capacity at Norfolk.

e. Philadelphia. The recommendations complete the closure of

Warminster. Existing shipyard capacity means there is no longer any need to retain the closed shipyard at Philadelphia for contingency purposes. NAWC Oreland is one of four lakes which DoN has and is no longer needed. In looking at ASO Philadelphia, DoN determined that two of its tenants, NAESU and NATSF, could economically be relocated to NADEP North Island to consume excess capacity at that site. Though not reflected in the COBRA analysis, the movement of NAESU and NATSF should produce savings for DLA which moves into usable spaces at the ASO compound.

f. Washington, DC.

(1) Naval Medical Research Institute, Bethesda, will consolidate with the Diving Medicine Program in Panama City.

(2) NSWC White Oak was a receiving site for Navy activities in leased space during prior BRAC rounds. NSWC White Oak will close as a technical activity. It tenants can now be accommodated in other DoN-owned space. NAVSEA will move to the Washington Navy Yard or other DoN-owned space in the National Capital Region.

(3) The Commission overturned a DoN recommendation in 1993 to close NSWC Detachment Annapolis because an enclave was retained. DoN is now recommending closure of the entire detachment.

(4) The consolidation of SPAWAR with NCCOSC San Diego permits the elimination of an entire layer of management. The Joint Cross-Service Group (JCSG) recommended moving SPAWAR to Fort Monmouth or Hanscomb Field AFB. Those alternatives were analyzed, but consolidation of SPAWAR and its field activities at San Diego was much more cost-effective.

(5) BRAC-93 moved the Office of Naval Research out of leased space. The JCSG proposed collocation with the Army and Air Force for synergy purposes, but no government space is available to accommodate all three. Retaining ONR at its present location provides an opportunity for collocation and avoids construction costs.

g. Cherry Point. There was excess capacity in air stations; however, rather than close more air stations, DoN recommends eliminating excess by not building the new capacity arising from prior BRAC actions. BRAC-91 and BRAC-93 required construction costing $700-$800M, the cost of a major tactical air base. Fully utilizing existing capacity and eliminating that construction will in effect be the same as closing a major air base. Specifically, under BRAC-95 recommendations all F-14s and the AIMD would be single-sited at NAS Oceana, E-2s go to North Island, 2 reserve F/A-

18 squadrons go to NAS Atlanta, the F/A-18 squadrons at Cecil Field and the F/A-18 RAG will go to NAS Oceana vice Cherry Point, S-3s to NAS Jacksonville, and 2 F/A-18 squadrons to go to MCAS Beaufort. The recommendations mean that squadrons will not go to Cherry Point and LeMoore, and no new construction will be required there.

h. Charleston. DoN recommends closing the FISC Charleston which the 1993 Commission left open. The closure of REDCOM 7 reflects the continuing resolution of where REDCOMs should be.

i. Key West. During the DoN process, NAS Key West was identified for closure to eliminate excess; however, because of the operational need to maintain the airspace and use of the air station, it is be recommended for realignment as an Naval Air Facility (NAF).

j. Orlando. NRL Orlando is another of the DoN's four lakes.

k. Whirl Tower. The Whirl Tower was kept when NADEP Pensacola closed in BRAC-93. It is no longer needed, and its closure will free up space for Pensacola as a receiving site.

l. Meridian. Closure of NAS Meridian repeats a BRAC-93 recommendation that was rejected by the Commission because there were not sufficient outlying fields (OLF) in Texas to support aviation training. DoN is recommending the closure of NAS Meridian, realignment of NAS Corpus Christi, and consolidation of strike training at Kingsville. Utilizing Corpus Christi as an OLF responds to concerns expressed in BRAC-93. DoN has suggested to OSD that NAS Meridian and Columbus AFB, because of their proximity, airspace, outlying fields, and bombing range, would make a good candidate for DoD's primary fixed-wing training using the future JPATS aircraft. The Meridian/Columbus complex would have sufficient airspace for whatever aircraft is chosen for JPATS. Consolidating at these sites rather than the projected five would reduce infrastructure and potentially reduce the JPATS buy.

m. New Orleans. The Navy Biodynamics Lab will close. There may be an opportunity to transfer the facilities to a local university.

n. Corpus Christi. Realigning the activity as a NAF will permit continued support of its tenants: the Army Depot, Coast Guard, and Customs Service. It also permits the continued consolidation of mine warfare assets.

o. Long Beach. There was a lot of excess in shipyards. DoN could have recommended more for closure but did not because of concerns about the future of the SSN 688 and the maintenance of nuclear shipyard capability. The Secretary is concerned about

cumulative economic effect on California resulting from this and prior rounds of base closure and directed that no DoN activity in California other than NSYD Long Beach and SUPSHIP Long Beach should be closed if the BRAC-95 recommendations result in a net decrease in civilian employment from current levels in its economic area. Consequently, recommendations regarding NWAD Corona and WESTDIV are not included.

p. San Diego. The Naval Health Research Center and Naval Personnel Research and Development Center will relocate from San Diego, but the consolidation of SPAWAR and NCCOSC there produce a net increase in civilian employment.

q. Keyport. Depot maintenance work would be removed from the NUWC Keyport to NSYD Puget Sound.

r. Adak. The antisubmarine warfare surveillance mission no longer requires use of NAS Adak. There are about 600 people there.

s. Guam. The thrust of the recommendations regarding Naval Activities Guam is that DoN needs access to Guam, not presence. The Telecommunications Station, Naval Magazine, Public Works Center and Naval Hospital remain at Guam providing DoN necessary access. Most of the assets being relocated go to Hawaii. The recommendation does allow the Fleet Commander to decide whether to keep the tender in Guam.

t. Indianapolis and Louisville. DoN looked at closing Crane, but it never paid off because of the assets located there. Closure of NAWC Indianapolis and NSWC Louisville did pay off. Their closure allows full loading of NSWC Crane. More than 50% of Louisville's work was shipboard work that was placed in shipyards. DoN would also send some plating work to the Army at Watervliet.

u. Memphis. BRAC-93 moved the CRUITCOM to NTC Great Lakes. Due to the large number of activities and constrained space at Great Lakes and the concern about capacity to handle surge, CRUITCOM is redirected to Memphis.

v. Reserve Centers. DoN did not want BRAC-95 to upset Reserve demographics or recruiting. The BSEC worked closely with the Heads of the Navy and Marine Corps Reserve Forces to ensure that demographics and the ability to recruit were protected. Because of those concerns capacity reduction was not as great for reserve activities as it might otherwise be. Much excess capacity remains, but it can be addressed outside BRAC.

Each of the recommendations eliminates excess capacity and provides a return on investment.

6. DoN examined each of the Joint Cross-Service Groups (JCSG) alternatives. Since many of the JCSG alternatives focused on the movement of work, not closure of activities, they did not reduce infrastructure and did not produce savings. A number of the JCSG alternatives did, however, parallel scenarios the BSEC was already considering based on its own analyses. Those 20 alternatives gave a different perspective on the action, confirmed DoN's analyses, produced savings, and were included in the DoN recommendations.

7. DoN's recommendations would achieve a substantial reduction in capacity. The reduction amounts to enough capacity to berth 2 carrier air wings, train over 800 Naval aviators per year, overhaul about 12 major combatants per year, and perform almost $1 billion of R&D work per year.

8. The BSEC took a comprehensive look at environmental impacts resulting from its recommendations to include environmental management efforts, air quality impacts, conformity requirements, natural/cultural resources, adequate infrastructure, and available unrestricted property. No significant environmental impacts were identified for any of the recommendations.

9. The BSEC looked at local community infrastructure impacts by evaluating their ability to absorb additional DoN personnel and missions. This included such factors as off-base housing, schools, public transportation, fire and police services, health care, utilities, and recreational facilities. Unlike the BRAC-93 recommendations, no significant community infrastructure impacts were identified for any of DoN's final recommendations.

10. Early in the BRAC-95 process 16 major Owners/Operators were asked to identify issues that were important to performing their mission. The BSEC took all 260 of those identified and, with the assistance of the senior DoN leadership, distilled them into 37 policy imperatives which reflect four themes: retain ability to pursue/sustain essential technological effort; provide appropriate maintenance support to fleet assets; structure flexible response into operational homeports; and position forces, training and support functions in accordance with the total force concept. These themes led to the Secretary's non-numeric "target" for BRAC-95, that is, close those facilities not required for DoN to maintain capability for credible operational response, provide sustained fleet industrial support capability, retain technological base critical to naval operations, continue rationalization of complementary training/administrative infrastructure, and ensure the remaining reserve establishment is demographically sound.

11. Mr. Nemfakos then reviewed the individual COBRA results by subcategory.

a. Technical Centers/Labs. DoN examined 65 technical center activities and is recommending 19 for closure or realignment, eliminating more than 12,000 technical workyears. The return on investment would be achieved in no more than four years with savings of $1.8 billion over the next twenty years (net present value). These costs may be estimated too high, and actual savings may be greater. The JCSG is still looking at closing Indian Head and moving the work to Picatinny.

b. Training Air Stations. DoN recommends closing one Training Air Station and realigning another as a Naval Air Facility. This reduces capacity by 877,225 runway operations. Both actions have immediate returns on investment.

c. Shipyards. The BSEC recommended closure or realignment of 4 activities eliminating 3,174 workyears in the shipyards and depot repair facilities sub-category. None of the closures involve the elimination of nuclear capable workyears. The recommendations to close Naval Shipyard Long Beach and realign ship/sea systems work from NUWC Keyport encompass JCSG recommendations. The 20-year savings for closing NSYD Long Beach were over $2 billion (net present value), more than 20% of the total for all recommendations.

d. Naval Aviation Depots. DoN evaluated the three remaining NADEPs and the Whirl Tower at Pensacola and is recommending the closure of the Whirl Tower. This completes the closure of NADEP Pensacola, provides some savings, and makes space available to receive other activities at Pensacola.

e. Air Stations. The BSEC looked at 26 activities in the Air Stations sub-category. As explained above, much of the cost savings in this category are achieved by avoiding construction directed in prior BRAC rounds. This also avoids the construction of additional capacity. A key point on squadron home porting capacity is that DoN computes its excess capacity with the assumption that a number of its squadrons will be deployed; if DoN required a parking spot for every aircraft, a capacity shortage would exist now.

f. Naval Bases. The BSEC examined 16 activities and recommended realignment of Naval Activities Guam. This action results in 20-year savings of $473.9 million (net present value) and leaves 335 cruiser equivalent berths for the Navy's 349 cruiser equivalent ships.

g. Fleet & Industrial Supply Centers (FISC). The BSEC examined eight FISCs and recommended closure of two, eliminating 1513 workyears. As a result of BRAC-93 closure of Naval Base Charleston, the FISC there is relatively small. The BSEC also recommended FISC Oakland for closure, but the Secretary took it off

the final list because of concerns regarding cumulative economic impact.

h. Supervisors of Shipbuilding (SUPSHIPs). The BSEC examined thirteen SUPSHIPs and recommended closure of two; however, the Secretary took a third, San Francisco, off the final list because of concerns regarding cumulative economic impact.

i. Training Centers. Twenty-nine training center activities were evaluated, and four were recommended for realignment. This would eliminate about 10% of existing DoN classroom and general lab hours.

j. Administrative Activities. The BSEC examined thirty-four Administrative Activities and recommended six for realignment. Most of these produce immediate savings through cost avoidance.

k. Reserve Activities. The BSEC looked at 298 Reserve activities and is recommending eleven for closure. This would eliminate 24,956 drill hours capacity. These adjustments are relatively small because the BSEC worked hard not to upset demographic support or recruiting.

Unlike prior rounds, the BSEC rejected scenarios that had high up-front costs or a long period for return on investment. None of the recommended actions require more than 4 years to achieve a return on investment, and most pay off in one year or less.

12. The recommendations would eliminate about 15,000 direct jobs and 18,000 indirect jobs. These numbers are not significant on a national scale as the national job growth rate is 300,000 jobs per month. The impacts may be geographically concentrated. For purposes of looking at regional impact, the Secretary of Defense has established 10 economic regions. The Pacific region (made up of Alaska, Washington, Oregon, California, and Hawaii) had the greatest net direct job losses in BRAC-93. Because of the actions in Guam, OCONUS would have the greatest net direct job losses under the DoN's 1995 recommendations. The direct and indirect job losses resulting from the realignment of Naval Activities Guam equate to about 5% of the Guam economic area employment base. That is the reason the BSEC did not recommend closure of the Public Works Center (PWC) in Guam even though the analysis would otherwise lead to that conclusion. Mr. Nemfakos briefed the number of jobs lost and the percent change in local employment in the areas that would be most affected by DoN's recommendations. The losses at Cherry Point, NC, and Lemoore, CA, involve the redirect of BRAC-93 activities. Those activities have not yet moved to the BRAC-93 receiving sites so there would be no net change in the current base population. There were no anticipated infrastructure problems at the top receiving sites.

13. Mr. Nemfakos advised that at least two hotline complaints had been received, and the Naval Audit Service was looking at the matters. DoN may see more such complaints and will need support from all levels of command to address them.

14. The Joint Staff is going through its analysis of DoN recommendations, and Owners/Operators may get calls from them. Thus far, they have raised questions about Adak, the wind tunnel at White Oak, and Guam. Adak has been addressed and the remaining concerns are being addressed.

15. On 28 February 1995, the Secretary of Defense and Secretaries of the Military Departments will make advance calls to Congress about the recommendations. DoN will provide members of Congress with a book which explains those recommendations affecting them. To help Commanders be prepared for the inquiries which will follow, the BSEC will have each of the Commanders listed in enclosure (2) called on 24 February and invited to Washington to receive information on 27 February on the DoN recommendations. Any Owners /Operators who wish to attend the meeting on the 27th are welcome.

16. DoN will push for more use of assets at Hickam and for joint use of NAS Meridian. Expect the Joint Staff to raise the issue of a joint air facility. The real problem with creating a joint aviation base is that its too expensive for each Military Department to put all its unique logistics support in one place. Only when core compatibilities are established and in place will joint bases work.

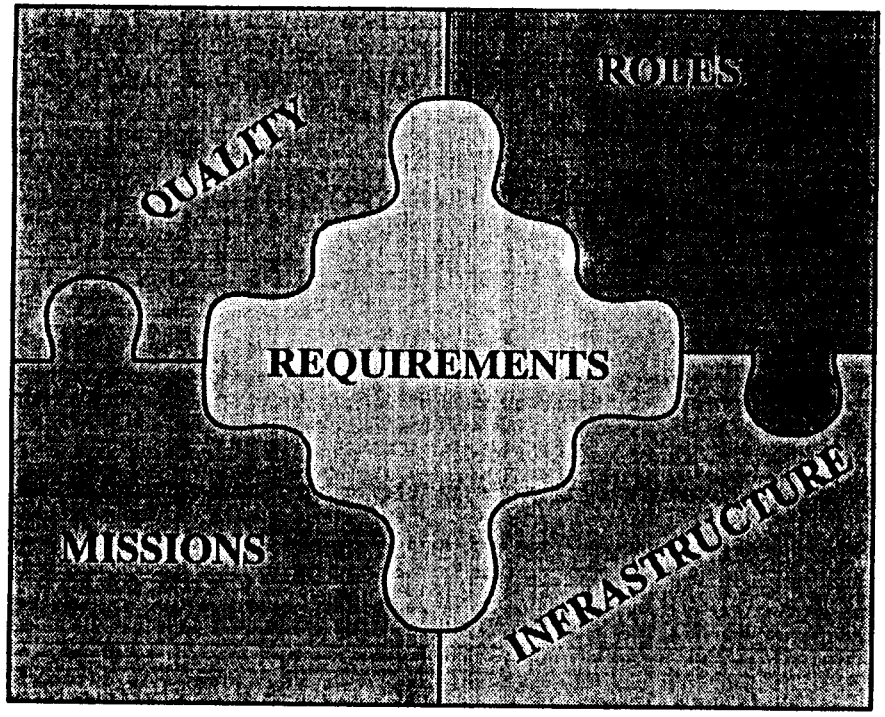
17. A number of the Owners/Operators expressed their appreciation that the process had been fair and had provided an opportunity for command input.

18. The deliberative session adjourned at 0945.

Orval E. Nangle

ORVAL E. NANGLE
LTCOL, USMC
Recording Secretary

DON BRAC-95 CLOSURE/REALIGNMENT RECOMMENDATIONS



9 February 1995

Encl (1)

DON BRAC TARGET

Reduce excess infrastructure and generate responsible savings for use in recapitalization.

A continuation of the strong beginning from prior BRAC rounds

Results support the development and sustainment of a premier combat-ready naval force, able to execute the roles of forward presence and power projection, and ensuring battlespace dominance with a fully integrated warfighting capability

BRAC-95 DON Considerations

Areas Considered:

47 Operational Bases
51 Support Activities

11 Depot Facilities
48 Support Activities

67 Technical Centers

5 Training Air Stations
31 Training Centers

62 Admin Activities
246 Medical/Dental
379 Reserve Activities

DON Target & Imperatives

Force Structure

BRAC 95

Activities affected: 62
1 Time Savings: $1.5B
SS Savings: $616M
20 yr NPV: $8.7B

DoD Guidance

Implementation Costs

BRAC-95 DON Results

BRAC 95

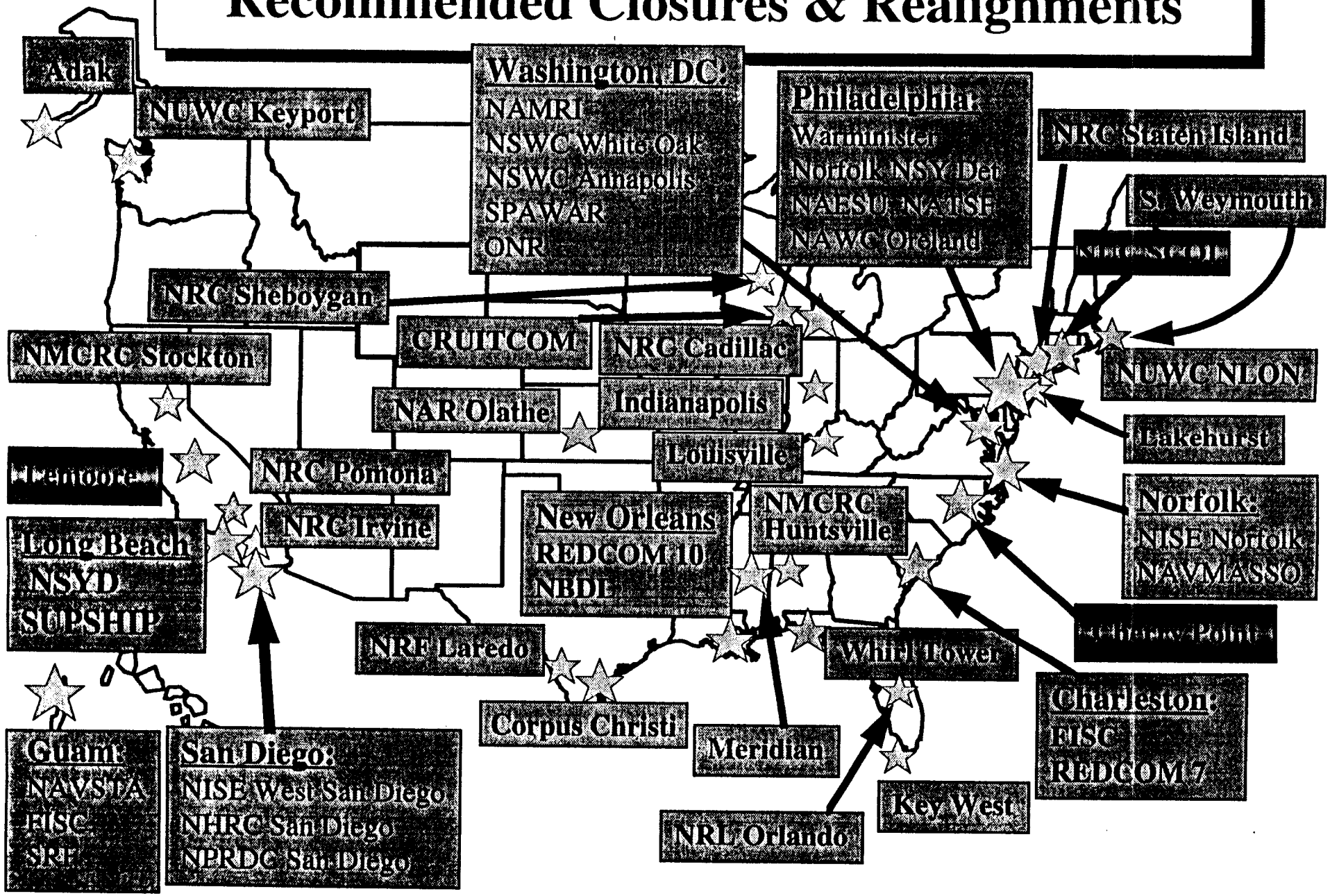
62 Activities Closed/Realigned

- 9 Operational Bases
- 19 Technical Centers
- 5 Depot Activities
- 6 Training Activities
- 11 Support Activities
- 12 Reserve Activities

Savings Summary:

• One Time Costs:	$1.2 B
• One Time Savings:	$1.5 B
• Steady State Savings:	$616 M
• FYDP Net Savings:	$2.8 B
• 20 Yr NPV Savings:	$8.7 B

Recommended Closures & Realignments



Joint Cross Service Analysis

Group	# of Activities Impacted	# of Activities Closed/Realigned
UPT	3	2
Medical	2	0
Depot Maint.	13	3
R & D	23	12
T & E	8	3

- Closures eliminate 8370 jobs and offer steady state savings of $322.5M for a 20 yr. NPV of $4.1B
- Joint recommendations focused on movement of work, not closure of activities
- JCSWG recommendations that paid off were those that resulted in the closure of a base

Throughput Capacity Elimination

- **Eliminated capacity could accomplish:**
  - Almost $1 Billion of R&D Work per year
  - Overhaul of about 12 major combatants per year
  - Training of over 800 Naval Aviators per year
  - Berthing of about 2 Carrier Air Wings

Environmental Impact Analysis

- **Issues reviewed:**
  - Environmental management efforts
  - Air quality impacts/conformity requirements
  - Installation restoration (IR) cleanups
  - Adequate utilities/infrastructure
  - Available undeveloped, unrestricted property
  - Natural/cultural resources
- **No significant environmental impacts identified for any scenario**

Local Community Infrastructure Impacts

- **Evaluated ability to absorb additional DON personnel & missions:**
  - Off base housing
  - Schools
  - Public transportation
  - Fire & Police
  - Health Care
  - Utilities (water & energy supply, sewage & waste disposal)
  - Recreational facilities
- **No significant community infrastructure impacts identified for any scenario**

Department of the Navy Imperatives

- **16 Owner/Operators identified 260+ issues, distilled into 37 Policy Imperatives, reflecting these themes:**
  - Retain ability to pursue/sustain essential technological effort;
  - Provide appropriate maintenance support to fleet assets;
  - Structure flexible response into operational homeports; and
  - Position of forces, training and support functions IAW the total force concept.
- **DON target for BRAC-95 *not* numerical, but rather close those facilities <u>not</u> required for DON to:**
  - Maintain capability for credible operational response;
  - Provide sustained fleet industrial support capability;
  - Retain technological base critical to naval operations;
  - Continue rationalization of complementary training / administrative infrastructure; and
  - Ensure remaining reserve establishment is demographically sound.
- **Imperatives consistent with DON targets**

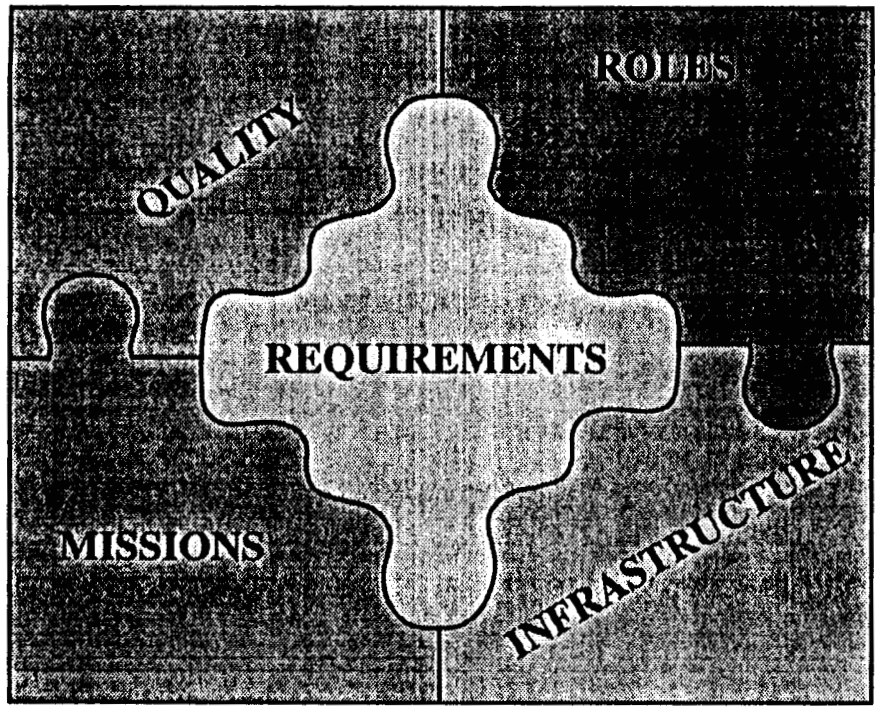
Air Stations

- **26 activities in the universe**
  - **9 activities recommended for closure/realignment in 8 scenarios:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Adak	$9.4M	0	Immed.	$26.2M	$357.2M
S. Weymouth	$16.2M	$0.3M	1 Yr.	$25.1M	$289.1M
Key West (realign)	$ 0.7M	0	Immed.	$3.2M	$45.3M
PACFLT redirect	$90.0M	$367.9M	Immed.	$6.9M	$358.1M
LANTFLT redirect	$76.5M	$349.8	Immed	$11.7M	$432.1M
3 add'l redirects	$41.7M	$207.5M	Immed.	$22.1M	$452.0M

  - **Squadron home port modules eliminated: 14**
  - **Squadron home port modules remaining: 230**
  - **Naval Aviatiom squadrons: 267**

Individual Category COBRA Results



Tech Centers/Laboratories

- 65 activities considered
  - 18 Activities recommended for closure/realignment:

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NAESU	$2.5M	$4K	1 Yrs	$2.5M	$29.5M
NATSF	$5.7M	$2K	3 Yrs	$2.2M	$22.7M
NAWC Oreland	$50K	0	3 Yrs	$15K	$175K
NUWC New London	$23.4M	$5.3M	3 Yrs	$8.1M	$91.3M
NRL Orlando	$8.4M	0	3 Yrs	$2.8M	$30.1M
NBDL New Orleans	$0.6M	$3K	Immed.	$2.9M	$41.8M
NPRDC	$7.9M	$9K	4 Yrs.	$1.9M	$15.0M
NAVMASSO	$2.2M	0	1 Yr.	$2.7M	$34.9M
NISE West San Diego	$1.8M	0	Immed.	$4.3M	$60.0M
NAMRI	$3.4M	$38K	1 Yr..	$9.6M	$111.1M
Warminster	$8.3M	$5.6M	Immed.	$7.6M	$104.8M
NSWC White Oak	$2.9M	$2.5M	Immed.	$6.0M	$85.9M
NSWC Annapolis	$25.0M	0	1 Yr.	$14.5M	$175.1M
NISE East Norfolk	$4.6M	0	3 Yrs.	$2.1M	$20.4M
Indianapolis/Louisville	$193.3M	0.1M	2 Yrs.	$71.2M	$657.7M
NHRC San Diego	$6.2M	$0.7M	4 Yrs.	$1.4M	$11.6M
NAWC Lakehurst	$99.6M	$1.6M	3 Yrs.	$37.2M	$357.0M
Total	**$395.9M**	**$15.8M**		**$177.0M**	**$1.8B**

  - Site technical workyears eliminated: 12,243
  - Site technical workyears remaining: 44,740

Training Air Stations

- **5 activities in the universe**
  - **2 activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Close Meridian	$71.4M	$53.7M	Immed.	$29.5M	$381.3M
Realign Corpus Christi	$12.5M	$81.3M	Immed.	$5.7M	$113.6M

  - **Daylight runway operations eliminated: 877,225**
  - **Daylight runway operations remaining: 2,099,023**

Naval Shipyards & Depot Repair Facilities

- Universe of six activities, one detachment, 3 warfare centers
  - 4 Activities recommended for closure/realignment:

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
SRF Guam	$8.4M	$7.8M	Immed.	$37.8M	$529.0M
Long Beach NSYD	$75.6M	$0.2M	Immed.	$138.1M	$2052.8M
Phila. Docks	$0	$8.1M	Immed.	$8.8M	$134.7M
Realign NUWC Keyport	$2.1M	$3.0M	1 Yr.	$2.1M	$29.7M

  - Workyears capacity eliminated: 3,174
  - Workyears capacity remaining: 22,300

Naval Aviation Depots

- **Universe is 3 NADEPs & one facility**
  - **One facility recommended for closure/realignment:**
  -

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Whirl Tower	$1.5M	$2.2M	Immed.	$0.2M	$3.8M

  - **Workyears capacity eliminated: 350**
  - **Workyears capacity remaining: 11,997**

Naval Bases

- **16 activities in the universe**
  - **One activity recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Guam	$93.1M	$8.7M	1 Yr.	$42.5M	$473.9M

  - **Cruiser equivalent berths eliminated: 4**
  - **Cruiser equivalent berths remaining: 335**
  - **Navy cruiser equivalents of ships: 349**

Fleet & Industrial Supply Centers

- **Universe of 8 activities**
  - **2 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Charleston	$2.3M	0	2 Yrs.	$0.9M	$10.8M
Guam	$18.4M	$18.7M	Immed.	$31.1M	$437.3M
Total	**$20.7M**	**$18.7M**		**$32.0M**	**$448.1M**

  - **Workyears eliminated: 1513**
  - **Workyears retained: 8027**

Supervisors of Shipbuilding

- Universe of 13 activities
  - One activity recommended for closure/realignment:

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
Long Beach	$297K	$5K	1 Yr.	$262K	$3.3M

  - Workyears capacity eliminated: 13
  - Workyears capacity remaining: 4,122

Training Centers

- **29 activities in the universe**
  - **4 Activities recommended for closure/realignment:**
  -

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NTTC Meridian	Included in NAS Meridian cost data				
Redirect Nuc Scol	$147.9M	$162.5M	1 Yr	$5.3M	$71.1M
Redirect MS 'A' Scol	$5.2M	$10.0M	Immed.	$0	$4.8M
Redirect NTC Great Lakes Scols	$0.6M	$20.1M	Immed.	$0.1M	$20.7M

  - **Classroom & General Lab hours eliminated: 110,685**
  - **Classroom & General Lab hours remaining: 11,999,776**

Administrative Activities

- **34 activities in the universe**
  - **6 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
SPAWAR	$24.0M	$40.4M	Immed.	$25.3M	$360.0M
NAVSEA/HRO	$159.7M	$157.9M	Immed	$9.4M	$144.0M
NISMC	$132K	0	2 Yr	$140K	$1.7M
NSGCD Potomac	$0	$4K	Immed.	$0	$4K
CRUITCOM	$6.5M	$7.6M	Immed.	$0	$1.2M
RD San Diego	$250K	$350K	1 Yr	$0	$89K

  - **Administrative space (square feet) eliminated: 1207 KSF**
  - **Administrative space (square feet) remaining: 5088 KSF**

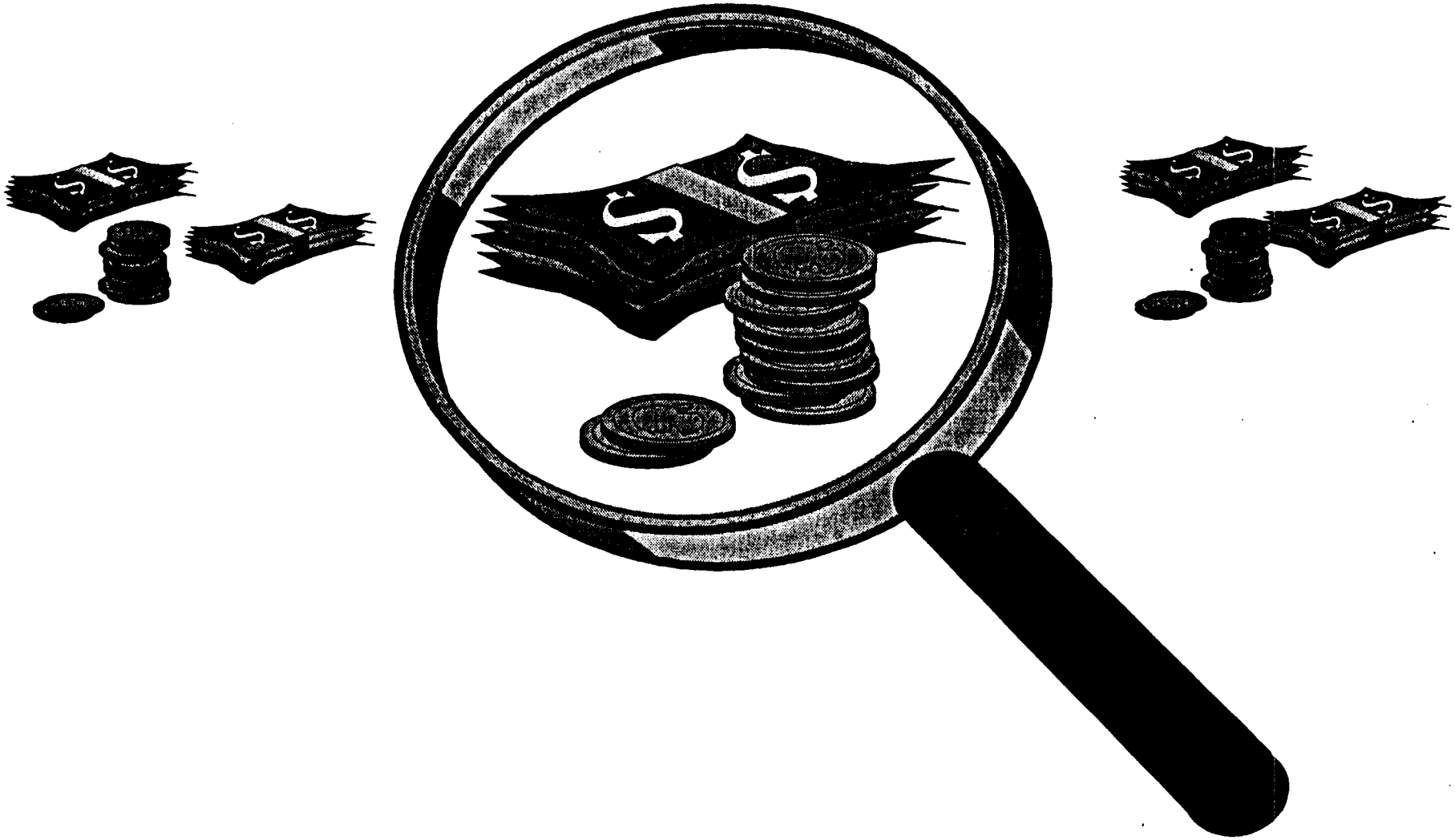
Reserve Activities

- **298 in the universe**
  - **11 Activities recommended for closure/realignment:**

Activity	Cost	Save	ROI Yr.	SS Savings	20 Yr Savings
NRC Cadillac	$46K	0	Immed.	$340K	$5.0M
NMCRC Huntsville	$51K	0	Immed.	$486K	$7.2M
NRC Irvine	$41K	0	Immed.	$539K	$8.1M
NRF Laredo	$27K	0	Immed.	$257K	$3.8M
NMCRC Pomona	$48K	0	Immed.	$345K	$5.1M
NRC Sheboygan	$31K	0	Immed.	$275K	$4.1M
NRC Staten Island	$43K	$1340K	Immed.	$569K	$9.8M
NMCRC Stockton	$45K	0	Immed.	$359K	$5.4M
NAR Olathe	$170K	0	Immed.	$737K	$10.9M
REDCOM 7 (Chasn, SC)	$532K	0	Immed.	$2704K	$39.9M
REDCOM 10 (New Orleans)	$552K	$2K	Immed.	$1870K	$23.8M

  - **Drill utilization hours eliminated: 24,960**
  - **Drill utilization hours remaining: 1,613,834**

Economic Impact Analysis



DON BRAC-95 Economic Impact

Job Change By Fiscal Year

National Summary

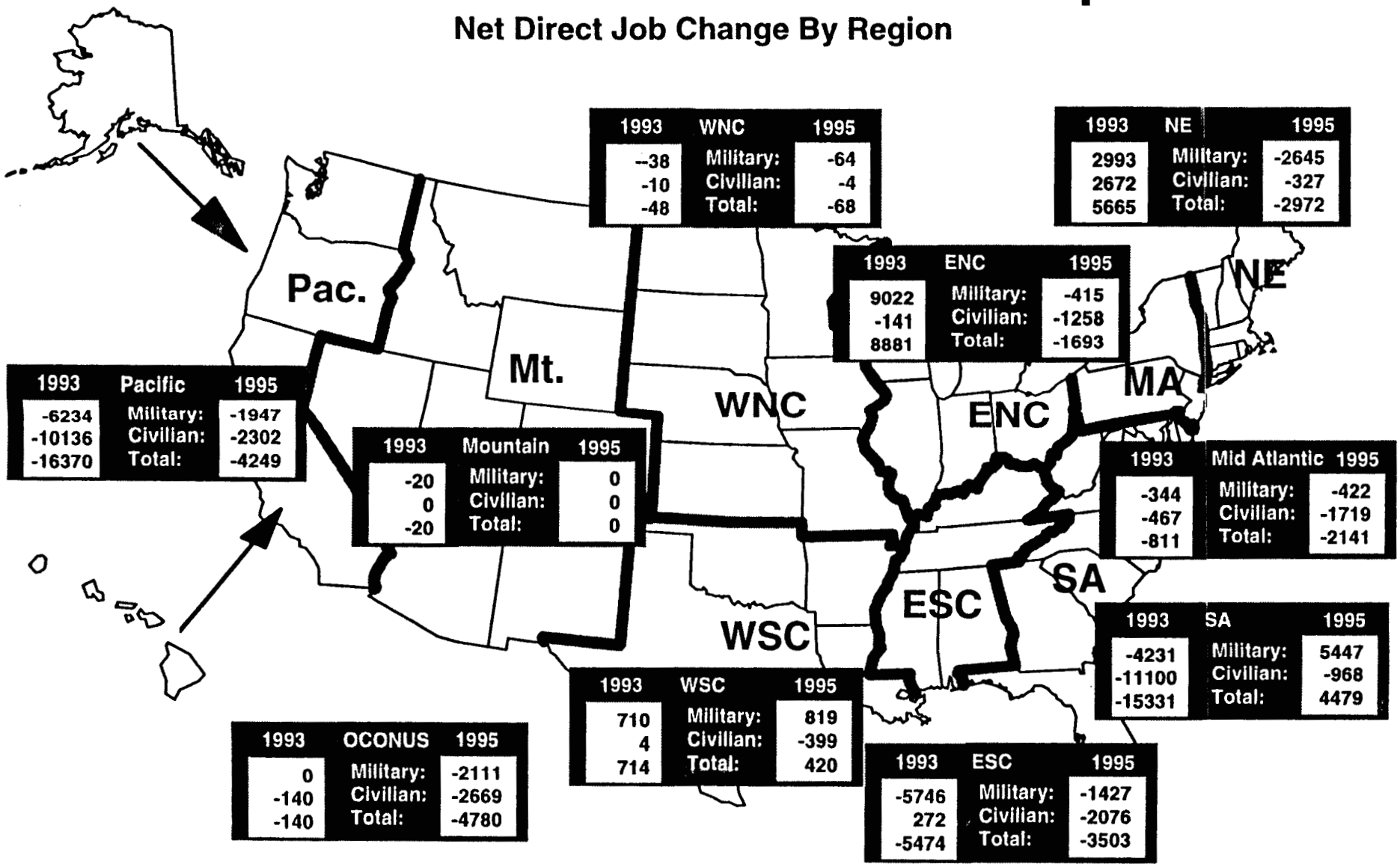
	1996	1997	1998	1999	2000	2001	Total
Direct Job Change:							
Military:	-260	-1,143	-395	-862	-20	-85	**-2,765**
Civilians:	-368	-5,106	-763	-1,916	-445	-220	**-8,836**
Contractors:	-135	-644	-359	-1,377	-296	-75	**-2,886**
Total :	-781	-6,893	-1,517	-4,155	-761	-380	**-14,487**
Indirect Job Change:							**-18,365**
Total Job Change (Over 6 Year Period):							**-33,138**

Total Job Change as a % of National Employment: 0.0%

Current National Job Growth Rate: 300,000 jobs per month (22 month average)

BRAC- 93 & 95 Economic Impact

Net Direct Job Change By Region



Pacific	1993	1995
Military:	-6234	-1947
Civilian:	-10136	-2302
Total:	-16370	-4249

Mountain	1993	1995
Military:	-20	0
Civilian:	0	0
Total:	-20	0

WNC	1993	1995
Military:	--38	-64
Civilian:	-10	-4
Total:	-48	-68

ENC	1993	1995
Military:	9022	-415
Civilian:	-141	-1258
Total:	8881	-1693

NE	1993	1995
Military:	2993	-2645
Civilian:	2672	-327
Total:	5665	-2972

Mid Atlantic	1993	1995
Military:	-344	-422
Civilian:	-467	-1719
Total:	-811	-2141

SA	1993	1995
Military:	-4231	5447
Civilian:	-11100	-968
Total:	-15331	4479

ESC	1993	1995
Military:	-5746	-1427
Civilian:	272	-2076
Total:	-5474	-3503

WSC	1993	1995
Military:	710	819
Civilian:	4	-399
Total:	714	420

OCONUS	1993	1995
Military:	0	-2111
Civilian:	-140	-2669
Total:	-140	-4780

Economic Area Summary
Top Reductions in Employment

Region	Direct	Indirect	Total	% of Empl.
Long Beach CA	4,155	9,483	13,638	0.3%
Indianapolis IN	2,841	4,818	7,659	0.9%
Guam	4,780	2,136	6,916	10.4%
Cherry Point NC	*4,314	1277	5,591	7.5%
New London CT	**3,374	1,245	4,619	3.2%
Lemoore CA	*3,573	1,001	4,574	10.9%
Lakehurst NJ	1,738	2,321	4,059	1.0%
Louisville KY	1,456	2,329	3,794	0.7%
Meridian MS	2,581	743	3,324	8.0%

*** Job transfer from BRAC-93, no change from current base population**
****Majority of job transfer from BRAC-93 redirect.**

Economic Area Summary

Top Receiving Sites

Absolute Change in Employment

Region	Direct	Indirect	Total	% of Empl.
Norfolk VA	3,067	1,678	**4,745**	0.6%
Crane IN	1,781	1,696	**3,477**	6.5%
Charleston SC	2,742	557	**3,299**	1.2%
Jacksonville FL	1,963	1,027	**2,990**	0.5%
San Diego CA	1,288	1,342	**2,630**	0.2%

Percent Change in Employment

Region	Direct	Indirect	Total	% of Empl.
Crane IN	1,781	1,696	3,477	**6.5%**
Kingsville TX	467	118	585	**4.2%**
Whidbey Island WA	517	150	667	**2.4%**
Charleston SC	2,742	557	3,299	**1.2%**
Norfolk VA	3,067	1,678	4,745	**0.6%**

BUPERS Memphis
CBC Pt.Hueneme
CRUITCOM Great Lakes
FISC Charleston
FISC Guam
FISC San Diego
JRB Ft Worth
MCAS Beaufort
MCAS Cherry Point
MCAS Miramar
MCAS New River
MCB Hawaii
MCCDC Quantico
NADEP Jacksonville
NADEP North Island
NADEP Pensacola
NAESU Philadelphia
NAF Adak
NAMRI Bethesda
NAR Olathe
NARCEN Minneapolis
NAS Atlanta
NAS Barbers Point
NAS Brunswick
NAS Corpus Christi
NAS Jacksonville
NAS Key West
NAS Kingsville
NAS Lemoore
NAS Meridian
NAS New Orleans
NAS Norfolk
NAS North Island
NAS Oceana
NAS Pensacola
NAS South Weymouth
NAS Whidbey Island
NAS Whiting Field
NATSF Philadelphia
NAVACTS Guam
NAVMAG Lualualei
NAVMASSO
NAVMEDCEN San Diego
NAVOCEANO Bay St Louis
NAVSEA/HRO
NAVSTA Pearl Harbor
NAVSTA San Diego
NAWC China Lake
NAWC Indianapolis
NAWC Lakehurst
NAWC Oreland
NAWC Pax River
NAWC Warminister
NBDL New Orleans
NCCOSC San Diego
NDW
NETC Newport
NHRC San Diego
NISE Norfolk
NISE West San Diego
NISMC
NPRDC
NRC Cadillac
NRC Huntsville
NRC Pomona
NRC Santa Anna
NRC Sheboygan
NRC Staten Island
NRC Stockton
NRD San Diego
NRF Laredo
NRL
NRL Det Orlando
NSWC Annapolis
NSWC Carderock
NSWC Crane
NSWC Dahlgren
NSWC Louisville
NSWC Panama City
NSWC Philadelphia
NSWC Pt. Hueneme
NSWC White Oak
NSY Long Beach
NSY Norfolk
NSY Philadelphia
NSY Puget Sound
NTC Great Lakes
NTSC Orlando
NUWC Keyport
NUWC New London
NUWC Newport
Nuc Power School
ONR
REDCOM 10
REDCOM 7
SECGRUDET, Potomac
SPAWAR
SRF Guam
SUPSCOL Athens
SUPSHIP Long Beach
WPNSTA Charleston
WPNSTA Earle
WPNSTA Seal Beach

Encl (2)

BSAT BASE STRUCTURE ANALYSIS TEAM

4401 Ford Avenue • Post Office Box 16268 • Alexandria, Virginia 22302-0268 • (703) 681-0490

RP-0587-F12
BSAT\ON
9 Feb 1995

MEMORANDUM FOR THE BASE STRUCTURE EVALUATION COMMITTEE

Subj: REPORT OF BSEC DELIBERATIONS ON 9 FEBRUARY 1995

Encl: (1) DON BRAC-95 Closure/Realignment Recommendations
(2) List of Affected Activities

1. The eightieth deliberative session of the Base Structure Evaluation Committee (BSEC) convened at 0905 on 9 February 1995 in the Center for Naval Analyses Boardroom. The following members of the BSEC were present: The Honorable Robert B. Pirie, Chairman; Mr. Charles P. Nemfakos, Vice Chairman; Ms. Genie McBurnett; Vice Admiral Richard Allen, USN; Vice Admiral William A. Earner, Jr., USN; Lieutenant General Harold W. Blot, USMC; Lieutenant General James A. Brabham, USMC; and Ms. Elsie Munsell. The following Owners/Operators (i.e. those senior individuals to whom the vast majority of the DoN shore infrastructure reports) were present: Admiral Bruce Demars, USN (Naval Reactors); Admiral William J. Flanagan, USN (CINCLANTFLT); Vice Admiral William Bowes, USN (NAVAIR); Vice Admiral Donald Hagen, MC, USN (BUMED); Lieutenant General Robert B. Johnston, USMC (MARFORLANT); Vice Admiral Timothy W. Wright, USN (CNET); Lieutenant General George R. Christmas, USMC; Vice Admiral Frank L. Bowman, USN (BUPERS); Rear Admiral Robert M. Moore, USN (NAVSUP); Rear Admiral Walter H. Cantrell, USN (SPAWAR); Rear Admiral Jack E. Buffington, CEC, USN (NAVFAC); Rear Admiral Edmund Giambastiani, USN (DEPCINCPACFLT); Rear Admiral G. Dennis Vaughn, USN (DEPCOMNAVRESFOR); Rear Admiral Thomas F. Stevens, USN (SECGRU); and Rear Admiral Marc Y. E. Pelaez, USN (ONR). The following members of the Base Structure Analysis Team (BSAT) were present: Mr. Richard A. Leach; Ms. Anne Rathmell Davis; Lieutenant Colonel Orval Nangle, USMC; Commander Robert Souders, USN; and Mr. Dan Turk.

2. Mr. Pirie advised the Owners/Operators that the purpose of the session was to review the presentation of the final DoN BRAC-95 recommendations which the Secretary of the Navy will make to the Deputy Secretary of Defense tomorrow. This is a final opportunity to receive any comments. Mr. Pirie thanked everyone for their cooperation and support. He anticipated increasing assaults on the recommendations as they become public.

3. Mr. Nemfakos briefed the Owners/Operators using the slides at enclosure (1). Rather than a numeric target, DoN's objective in the BRAC-95 process was to reduce excess infrastructure and generate responsible savings for use in recapitalization. In that

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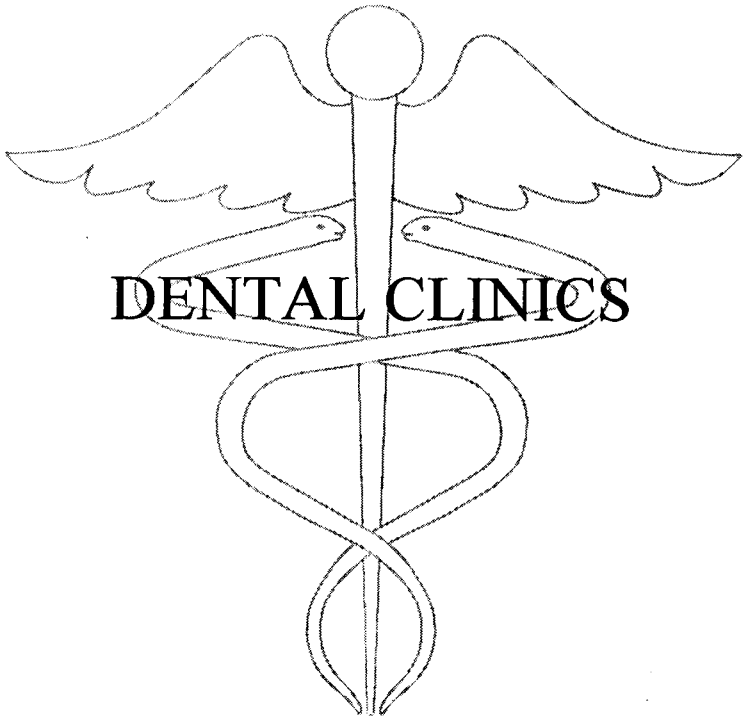
DENTAL TREATMENT FACILITIES

CAPACITY ANALYSIS



DENTAL TREATMENT FACILITIES

CAPACITY ANALYSIS

BRAC 93

- ANALYSIS REVEALED NO EXCESS CAPACITY
- A DEFICIENCY OF 16.8% WAS DEFINED
- ALL CLOSURES/REALIGNMENTS AS A RESULT OF FOLLOW ON ACTIONS

DENTAL TREATMENT FACILITIES

CAPACITY ANALYSIS

MEASURE OF CAPACITY

- COMPOSITE TIME VALUE (CTV) - A MEASURE OF DENTAL WORK . IT RELATES THE DENTAL NEEDS OF A PATIENT TO THE ABILITY OF THE FACILITY TO PROVIDE

- USING POPULATION PROJECTIONS AND THE HISTORICAL CTV PER CAPITA FOR THE POPULATION SERVED DEVELOPED REQUIRED CTVs

- REQUIRED CTVs THEN COMPARED TO MET CTVs

DENTAL TREATMENT FACILITIES

CAPACITY ANALYSIS

ANALYSIS

- REQUIRED CTVs EXCEDED THE MET CTVs BY 21%

  - THIS UNMET WORKLOAD IS GENERALLY DEFERRED AND IS NOT HIGH PRIORITY. IT INCLUDES PREVENTIVE CARE AND MINOR CASES REQUIRED TO ACHIEVE FULL DENTAL HEALTH

DENTAL TREATMENT FACILITIES

CAPACITY ANALYSIS

CONCLUSION

- NO EXCESS CAPACITY EXISTS IN DENTAL

RECOMMENDATION

- FIND THAT NO EXCESS CAPACITY EXISTS
- ALL CLOSURES/REALIGNMENTS BE AS A RESULT OF FOLLOW ON ACTION TO HOST CLOSURES

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MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

INPATIENT FACILITIES

OUTPATIENT FACILITIES

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

- NATIONAL HEALTH CARE REFORM
  - MILITARY MEDICINE IS AN INTEGRAL PART OF CURRENT REFORM PROPOSAL
  - TRICARE - MILITARY'S MAJOR PROGRAM OF REFORM
  - TRICARE - PROVIDE/SUPPORT READINESS, ACCESS, COST CONTROL, QUALITY, AND CHOICE FOR ALL ENTITLED

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

- BRAC 93

  - NO EXCESS CAPACITY DEFINED IN MEDICAL (INPATIENT OR OUTPATIENT)

  - DON RECOMMENDED CLOSURE OF

    NAVAL MEDICAL CENTER, OAKLAND
    NAVAL HOSPITAL, ORLANDO
    NAVAL HOSPITAL, CHARLESTON

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

- BASE CLOSURE COMMISSION RECOMMENDED CHARLESTON RETAINED DUE TO FOLLOWING ISSUES
    - RETIREE POPULATION AND ADDITIONAL HEALTH CARE COSTS
    - RESIDUAL REGIONAL POPULATION CARE

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

- DON ANALYSIS IN BRAC 95 DOES NOT ADDRESS RETIREES
    - IF NO ACTIVE DUTY NO REQUIREMENT TO PROVIDE DIRECT CARE
    - TITLE 10 ONLY ESTABLISHES ENTITLEMENT NOT METHOD OF DELIVERY
    - NOT A READINESS ISSUE

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

- BRAC 95

INPATIENT FACILITIES
- 3 MEDICAL CENTERS
- 20 COMMUNITY HOSPITALS

OUTPATIENT FACILITIES
- 121 MEDICAL CLINICS

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

INPATIENT FACILITIES

MEASURES

- EXPANDED BEDS - NUMBER OF BEDS AVAILABLE FOR WARTIME EXPANSION

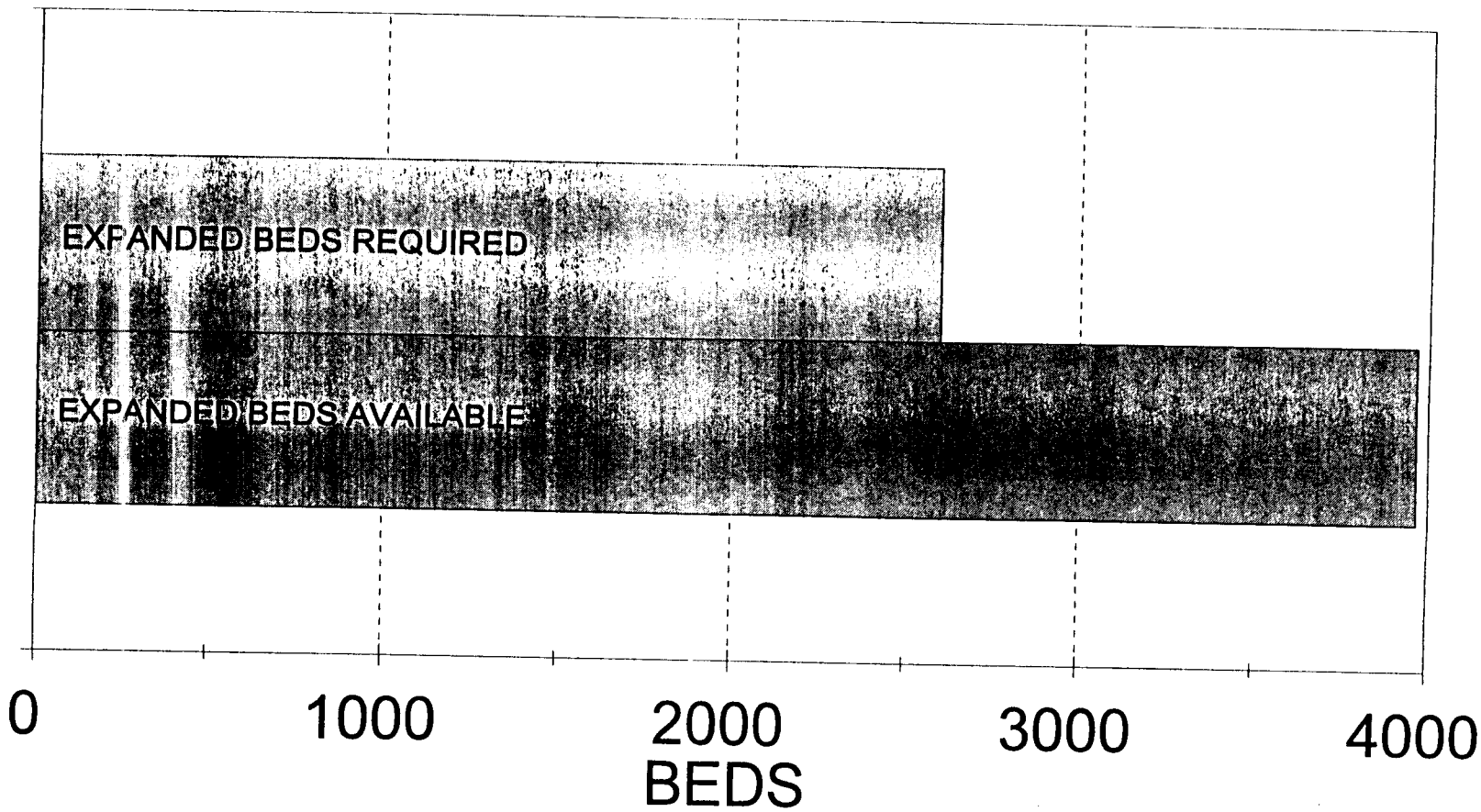
- DEFINITION - EXPANDED BED IS A BED THAT IS FULLY SET UP AND IN PLACE WITHIN 72 HOURS IN A SPACE DESIGNED FOR A BED

- COMPARE THIS TO JOINT PLANNING REQUIREMENTS FOR THE DON

- CHANGE IN DPG CALLS FOR 2 MRC SCENARIO. THIS REQUIRES 2600 EXPANDED BEDS VICE 9000 UNDER OLD PLANNING USED IN BRAC 93

MEDICAL CAPACITY

EXPANDED BEDS



MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

INPATIENT FACILITIES

ANALYSIS

- 3967 EXPANDED BEDS AVAILABLE (SMALLER THAN 1993 DUE TO DEFINITIONAL CHANGE)
- CURRENT AVAILABLE BEDS EXCEEDS REQUIREMENT (2600) BY 52.5%

CONCLUSION

- EXCESS INPATIENT EXPANDED BED CAPACITY

RECOMMENDATION

- FIND EXCESS INPATIENT EXPANDED BED CAPACITY EXISTS
- PROCEED WITH MILITARY VALUE ANALYSIS OF INPATIENT FACILITIES

MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

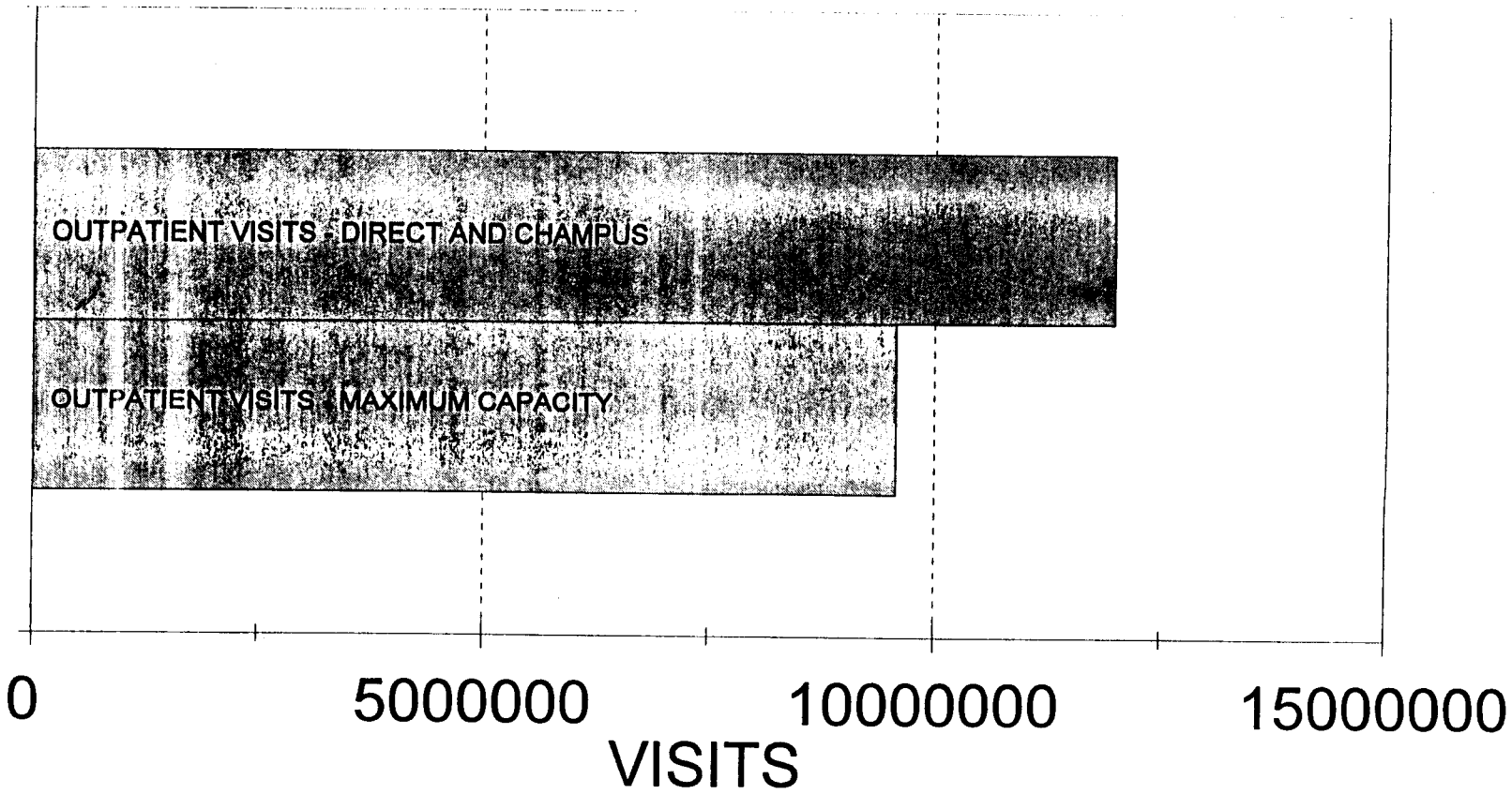
OUTPATIENT FACILITIES

MEASURE

- OUTPATIENT VISITS - COMPARE OUTPATIENT VISIT DEMAND (ACTUAL DIRECT CARE VISITS PLUS CHAMPUS VISITS OF THE CATCHMENT AREA) TO MAXIMUM OUTPATIENT VISIT CAPACITY IN THE DIRECT CARE SYSTEM

MEDICAL CAPACITY

OUTPATIENT VISITS



MEDICAL TREATMENT FACILITIES

CAPACITY ANALYSIS

OUTPATIENT FACILITIES

ANALYSIS

- OUTPATIENT VISIT DEMAND IN ALL CATCHMENT AREAS EXCEDES MAXIMUM CAPACITY BY 2,407,855 VISITS OR 20.1 % .

CONCLUSION

- NO EXCESS CAPACITY IN OUTPATIENT FACILITIES

RECOMMENDATION

- FIND NO EXCESS CAPACITY IN THE OUTPATIENT FACILITIES
- FURTHER EVALUATION OF OUTPATIENT FACILITIES ONLY AS A A RESULT OF HOST CLOSURE

MEDICAL

Naval Hospitals Military Value Matrix

QUESTIONS	Military Criteria R	F	M	C	MV Score	Total MV	Responses BETH	SAN DI	PORTS	CP PN	LEMOR	29PLM	GROTO	PENSA	JAX	GR LKS	PAX RV	CLNC
	45	30	15	10														
Mission Requirements	11	10	10	4	0	40.1	21	16	21	17	1	9	11	13	16	16	6	13
The hospital supports an AD population of greater than 50K.	1	1	1	0	10	5.24	1	1	1	1	0	0	0	0	0	0	0	0
The hospital supports an AD population of greater than 25K.	1	1	1	0	7	3.67	0	0	0	0	0	0	0	0	1	0	0	1
The hospital supports an AD population of greater than 10K.	1	1	1	0	4	2.10	0	0	0	0	0	1	1	1	0	1	0	0
Is the AD/AD family population of the catchment area greater than 100K?	1	1	1	0	10	5.24	1	1	1	1	0	0	0	0	0	0	0	0
Is the AD/AD family population of the catchment area greater than 50K?	1	1	1	0	7	3.67	0	0	0	0	0	0	0	0	1	0	0	1
Is the AD/AD family population of the catchment area greater than 25K?	1	1	1	0	4	2.10	0	0	0	0	0	0	1	1	0	1	0	0
The hospital has a unique military medicine mission that cannot be absorbed into the civilian community	1	1	1	1	10	5.79	1	0	1	0	0	1	1	1	1	1	1	0
The hospital has an occupancy rate greater than 75 %.	0	0	0	1	6	0.33	0	1	0	1	0	0	0	0	0	0	0	0
The hospital has an occupancy rate greater than 60 %.	0	0	0	1	3	0.16	1	0	1	0	0	1	1	0	0	0	0	0
The hospital has an occupancy rate greater than 45 %.	0	0	0	1	1	0.05	0	0	0	0	0	0	0	1	1	0	0	1
The active duty inpatient average daily patient load (ADPL) exceeds that of the family and retired ADPL	1	0	1	0	7	2.65	0	0	0	1	0	0	0	0	0	1	0	1
The facility has more than 300 operating beds.	1	1	1	0	9	4.71	1	1	1	0	0	0	0	0	0	0	0	0
The facility has more than 100 operating beds.	1	1	1	0	6	3.14	0	0	0	1	0	0	0	1	1	1	0	1
The facility has more than 20 operating beds.	1	1	0	0	3	1.27	0	0	0	0	1	1	1	0	0	0	0	0
Facilities	2	6	0	4	0	12.2	5	7	5	5	8	3	6	9	8	6	0	9
The facility condition code for all facilities is adequate.	0	1	0	1	6	1.20	0	1	0	0	0	1	0	1	0	1	0	0
The FCAD score is greater than 90.	0	1	0	1	3	0.60	1	1	1	1	0	1	1	0	1	1	0	1
The average weighted square foot age is less than 5.	0	1	0	1	8	1.60	0	0	0	0	0	1	0	0	0	0	0	0
The average weighted square foot age is less than 15.	0	1	0	1	6	1.20	0	1	0	0	0	0	0	0	0	0	0	1
The facility is Joint Commission (JCAHO) accredited.	1	1	0	0	10	4.24	1	1	1	1	1	0	1	1	1	1	0	1
The facility Life Safety (JCAHO) score is 1.	1	1	0	0	8	3.40	0	0	0	0	1	0	0	1	1	0	0	1
Location	4	1	2	4	0	13.4	6	3	6	3	12	13	3	3	3	3	10	12
The catchment area civilian primary care provider/population ratio is less than .000333	0	0	0	1	7	0.38	0	0	0	0	0	0	0	0	0	0	1	0
There is no DOD Military Treatment Facility (MTF) within 40 miles of the hospital.	1	0	1	1	8	3.47	0	1	0	1	1	1	1	1	1	1	1	1
The number of JCAHO accredited acute care facilities in the catchment area is less than 2.	1	0	0	0	4	1.12	0	0	0	0	0	1	0	0	0	0	0	0
The ratio of accredited available civilian beds to MTF beds is less than 2.	1	0	0	1	8	2.68	0	0	0	0	1	1	0	0	0	0	0	1
The capabilities of the MTF cannot be absorbed into the community.	1	1	1	1	10	5.79	1	0	1	0	1	1	0	0	0	0	1	1
Features and Capabilities	5	4	8	3	0	21.2	15	17	15	16	3	3	0	14	14	14	3	4
The facility has a unique mobilization requirement.	0	1	1	0	10	2.44	1	1	1	1	0	0	0	1	1	1	0	0
The hospital location is essential to its mobilization requirements.	0	0	1	0	7	0.70	1	1	1	0	0	0	0	0	1	1	0	0
The facility's expanded bed capacity is greater than 100.	0	1	1	0	10	2.44	1	1	1	1	0	0	0	1	1	1	0	1
The facility is within 10 miles of an airport capable of handling a C-9 aircraft.	1	0	1	0	7	2.65	0	1	0	1	1	1	0	1	1	1	1	0
The facility is within 40 miles of an airport capable of handling a C-9 aircraft.	1	0	1	0	3	1.14	1	0	1	0	0	0	0	0	0	0	0	1
The facility has multiple Graduate Medical Education (GME) programs.	1	1	1	1	10	5.79	1	1	1	1	0	0	0	0	0	1	0	0
The facility has a Graduate Medical Education (GME) program.	1	1	1	1	6	3.47	0	0	0	0	0	0	0	1	1	0	0	0
The board certification rate of graduates of the GME programs is greater than 90%.	1	0	1	1	6	2.60	1	1	1	1	0	0	0	1	1	0	0	0
Costs	0	0	0	3	0	1.2	0	1	0	1	0	1	1	0	0	0	0	0
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1.1 to 1.15.	0	0	0	1	10	0.55	0	1	0	1	0	1	1	0	0	0	0	0
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1.05 to 1.1.	0	0	0	1	7	0.38	0	0	0	0	0	0	0	0	0	0	0	0
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1 to 1.05.	0	0	0	1	4	0.22	0	0	0	0	0	0	0	0	0	0	0	0
QOL	1	7	0	14	0	11.8	5	3	3	4	7	9	5	7	5	4	6	4
Is there sufficient off base housing?	0	1	0	1	6	1.20	1	1	1	0	1	1	1	1	1	1	1	1
Is the average wait for housing three months of less?	0	1	0	1	10	2.00	0	0	0	0	1	0	0	0	0	0	0	0
Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	1.20	1	0	0	1	0	1	0	1	1	0	1	0
Is child care waiting list less than 50 children?	0	1	0	1	9	1.80	0	0	0	0	0	1	0	0	0	0	0	0
Are there certified home care providers?	0	1	0	0	7	1.01	0	0	0	1	1	1	1	1	1	1	1	1
Is off base housing rental and purchase affordable?	0	0	0	1	7	0.38	1	0	1	0	1	1	0	0	1	0	0	0
Are there educational opportunities at all college levels within a 30 mile radius?	0	0	0	1	1	0.05	1	1	1	1	0	0	1	1	1	1	1	0
Are college education courses available on the base ?	0	0	0	1	1	0.05	1	1	1	1	1	1	1	1	1	1	1	1
Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.22	1	1	1	1	1	1	1	1	1	1	1	1
Do more than 50% of military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	1.34	1	0	1	1	0	1	1	1	1	0	1	0
Are 90% of BEQ rooms adequate?	0	1	0	1	8	1.60	0	1	0	0	1	1	0	1	0	1	0	1
Are 90% of BOQ rooms adequate?	0	1	0	1	4	0.80	0	0	0	0	1	0	1	0	0	0	0	0
Is the violent crime rate less than 785/100,000?	0	0	0	1	1	0.05	1	0	1	0	1	0	1	0	0	0	1	1
Is the property crime rate less than 4902/100,000?	0	0	0	1	1	0.05	1	0	0	0	1	0	1	0	0	0	1	1
Is the drug crime rate less than 402/100,000?	0	0	0	1	1	0.05	0	0	0	0	0	0	1	0	0	1	0	1
	23	28	20	32		100.0	51	47	50	45	31	38	25	46	48	44	23	42

Naval Hospitals Military Value Matrix

R=Readiness F=Facilities M=Mobilization C=Cost

MEDICAL	G	H	I	J	K	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
68		Question Dist.																	
69	QUESTIONS	R	F	M	C		Total												
70		45	30	15	10		MV	BETH	SAN DI	PORTS	CP PN	LEMOR	29PLM	GROTO	PENSA	JAX	GR LKS	PAX RV	CLNC
71	Mission Requirements	11	10	10	4		40.1	21.14	15.52	21.14	16.60	1.27	9.32	11.42	13.17	16.32	15.77	5.79	13.18
72	Facilities	2	6	0	4		12.2	4.84	7.24	4.84	4.84	7.64	3.40	4.84	8.84	8.24	6.04	0.00	9.44
73	Location	4	1	2	4		13.4	5.79	3.47	5.79	3.47	11.93	13.05	3.47	3.47	3.47	3.47	9.64	11.93
74	Features and Capabilities	5	4	8	3		21.2	15.11	16.62	15.11	15.93	2.65	2.65	0.00	13.61	14.31	14.02	2.65	3.58
75	Costs	0	0	0	3		1.2	0.00	0.55	0.00	0.55	0.00	0.55	0.55	0.00	0.00	0.00	0.00	0.00
76	QOL	1	7	0	14		11.8	4.56	3.13	3.31	3.88	7.38	8.81	4.85	6.68	5.47	4.20	5.19	4.25
77	Totals:	23	28	20	32		100.0	51.44	46.53	50.19	45.27	30.88	37.78	25.12	45.78	47.80	43.50	23.27	42.39

R=Readiness F=Facilities M=Mobilization C=Cost

MEDICAL

Naval Hospitals Military Value Matrix

QUESTIONS	Military Criteria R	F	M	C	MV Score	Total MV	CH PT	NWPRT	CHARL	BEAUF	MILLI	COR C	BREMR	OAK H	GUAM	ROOSR
	45	30	15	10												
Mission Requirements	11	10	10	4	0	40.1	14	4	6	10	4	10	7	7	9	7
The hospital supports an AD population of greater than 50K.	1	1	1	0	10	5.24	0	0	0	0	0	0	0	0	0	0
The hospital supports an AD population of greater than 25K.	1	1	1	0	7	3.67	1	0	0	0	0	0	0	0	0	0
The hospital supports an AD population of greater than 10K.	1	1	1	0	4	2.10	0	1	1	0	0	0	1	0	1	0
Is the AD/AD family population of the catchment area greater than 100K?	1	1	1	0	10	5.24	0	0	0	0	0	0	0	0	0	0
Is the AD/AD family population of the catchment area greater than 50K?	1	1	1	0	7	3.67	1	0	0	0	0	0	0	0	0	0
Is the AD/AD family population of the catchment area greater than 25K?	1	1	1	0	4	2.10	0	1	1	0	0	0	1	0	0	0
The hospital has a unique military medicine mission that cannot be absorbed into the civilian community	1	1	1	1	10	5.79	1	0	0	1	0	1	0	1	1	1
The hospital has an occupancy rate greater than 75 %.	0	0	0	1	6	0.33	0	0	0	0	0	0	0	0	0	0
The hospital has an occupancy rate greater than 60 %.	0	0	0	1	3	0.16	0	0	1	0	0	0	0	0	0	0
The hospital has an occupancy rate greater than 45 %.	0	0	0	1	1	0.05	0	0	0	1	0	0	0	0	1	0
The active duty inpatient average daily patient load (ADPL) exceeds that of the family and retired ADPL	1	0	1	0	7	2.65	0	0	0	1	1	1	0	0	0	0
The facility has more than 300 operating beds.	1	1	1	0	9	4.71	0	0	0	0	0	0	0	0	0	0
The facility has more than 100 operating beds.	1	1	1	0	6	3.14	0	0	0	0	0	0	1	0	0	0
The facility has more than 20 operating beds.	1	1	0	0	3	1.27	1	0	1	1	1	1	0	1	1	1
Facilities	2	6	0	4	0	12.2	8	4	5	4	5	9	5	9	8	5
The facility condition code for all facilities is adequate.	0	1	0	1	6	1.20	0	0	0	0	0	1	0	1	0	0
The FCAD score is greater than 90.	0	1	0	1	3	0.60	1	0	1	0	1	1	1	1	0	1
The average weighted square foot age is less than 5.	0	1	0	1	8	1.60	0	0	0	0	0	0	0	0	0	0
The average weighted square foot age is less than 15.	0	1	0	1	6	1.20	0	0	0	0	0	0	0	0	0	0
The facility is Joint Commission (JCAHO) accredited.	1	1	0	0	10	4.24	1	1	1	1	1	1	1	1	1	1
The facility Life Safety (JCAHO)score is 1.	1	1	0	0	8	3.40	1	0	0	0	0	1	0	1	1	0
Location	4	1	2	4	0	13.4	9	3	3	9	4	3	13	9	13	10
The catchment area civilian primary care provider/population ratio is less than .000333	0	0	0	1	7	0.38	0	0	0	0	1	0	0	0	0	1
There is no DOD Military Treatment Facility (MTF) within 40 miles of the hospital.	1	0	1	1	8	3.47	1	1	1	1	1	1	1	1	1	1
The number of JCAHO accredited acute care facilities in the catchment area is less than 2.	1	0	0	0	4	1.12	0	0	0	0	0	0	1	0	1	0
The ratio of accredited available civilian beds to MTF beds is less than 2.	1	0	0	1	8	2.68	0	0	0	0	0	0	1	0	1	0
The capabilities of the MTF cannot be absorbed into the community.	1	1	1	1	10	5.79	1	0	0	1	0	0	1	1	1	1
Features and Capabilities	5	4	8	3	0	21.2	3	1	3	3	5	3	13	3	6	3
The facility has a unique mobilization requirement.	0	1	1	0	10	2.44	0	0	0	0	0	0	1	0	1	0
The hospital location is essential to its mobilization requirements.	0	0	1	0	7	0.70	0	0	0	0	0	0	1	0	1	0
The facility's expanded bed capacity is greater than 100.	0	1	1	0	10	2.44	0	0	0	0	1	0	1	0	0	0
The facility is within 10 miles of an airport capable of handling a C-9 aircraft.	1	0	1	0	7	2.65	1	0	1	1	1	1	0	1	1	1
The facility is within 40 miles of an airport capable of handling a C-9 aircraft.	1	0	1	0	3	1.14	0	1	0	0	0	0	1	0	0	0
The facility has multiple Graduate Medical Education (GME) programs.	1	1	1	1	10	5.79	0	0	0	0	0	0	0	0	0	0
The facility has a Graduate Medical Education (GME) program.	1	1	1	1	6	3.47	0	0	0	0	0	0	1	0	0	0
The board certification rate of graduates of the GME programs is greater than 90%.	1	0	1	1	6	2.60	0	0	0	0	0	0	1	0	0	0
Costs	0	0	0	3	0	1.2	0	1	1	0	0	0	1	1	0	1
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1.1 to 1.15.	0	0	0	1	10	0.55	0	1	1	0	0	0	1	1	0	1
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1.05 to 1.1.	0	0	0	1	7	0.38	0	0	0	0	0	0	0	0	0	0
The CHAMPUS ASA cost / MTF inpatient cost per RWP is in the range of 1 to 1.05.	0	0	0	1	4	0.22	0	0	0	0	0	0	0	0	0	0
QOL	1	7	0	14	0	11.8	8	8	7	4	5	7	7	7	9	9
Is there sufficient off base housing?	0	1	0	1	6	1.20	1	1	1	1	1	1	1	1	0	1
Is the average wait for housing three months of less?	0	1	0	1	10	2.00	1	1	0	0	0	0	0	0	1	0
Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	1.20	0	0	1	1	0	1	1	0	1	1
Is child care waiting list less than 50 children?	0	1	0	1	9	1.80	0	1	0	0	0	0	0	0	1	1
Are there certified home care providers?	0	1	0	0	7	1.01	1	1	1	0	1	1	1	1	1	1
Is off base housing rental and purchase affordable?	0	0	0	1	7	0.38	0	1	1	0	0	0	1	1	0	0
Are there educational opportunities at all college levels within a 30 mile radius?	0	0	0	1	1	0.05	0	1	1	1	1	1	1	1	1	0
Are college education courses available on the base ?	0	0	0	1	1	0.05	1	1	1	1	1	1	1	1	1	1
Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.22	1	1	1	1	1	1	1	1	1	1
Do more than 50% of military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	1.34	1	1	1	1	1	1	1	1	0	1
Are 90% of BEQ rooms adequate?	0	1	0	1	8	1.60	1	0	1	0	1	1	1	1	1	1
Are 90% of BOQ rooms adequate?	0	1	0	1	4	0.80	1	0	0	0	0	1	0	1	1	1
Is the violent crime rate less than 785/100,000?	0	0	0	1	1	0.05	1	1	0	0	0	0	1	1	1	0
Is the property crime rate less than 4902/100,000?	0	0	0	1	1	0.05	1	1	0	1	0	0	1	1	1	1
Is the drug crime rate less than 402/100,000?	0	0	0	1	1	0.05	1	0	1	1	0	0	1	1	1	1
	23	28	20	32		100.0	43	22	24	30	23	33	46	36	45	34

Naval Hospitals Military Value Matrix

R=Readiness F=Facilities M=Mobilization C=Cost

NAVAL HOSPITALS

MEDICAL

02/06

	G	H	I	J	K
68		Question Dist.			
69	QUESTIONS	R	F	M	C
70		45	30	15	10
71	Mission Requirements	11	10	10	4
72	Facilities	2	6	0	4
73	Location	4	1	2	4
74	Features and Capabilities	5	4	8	3
75	Costs	0	0	0	3
76	QOL	1	7	0	14
77	Totals:	23	28	20	32

	P	Q	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
		Total MV	CH PT	NWPRT	CHARL	BEAUF	MILLI	COR C	BREMR	OAK H	GUAM	ROOSR
		40.1	14.39	4.19	5.63	9.77	3.93	9.71	7.33	7.06	9.21	7.06
		12.2	8.24	4.24	4.84	4.24	4.84	9.44	4.84	9.44	7.64	4.84
		13.4	9.26	3.47	3.47	9.26	3.85	3.47	13.05	9.26	13.05	9.64
		21.2	2.65	1.14	2.65	2.65	5.09	2.65	12.79	2.65	5.79	2.65
		1.2	0.00	0.55	0.55	0.00	0.00	0.00	0.55	0.55	0.00	0.55
		11.8	8.39	8.17	7.12	4.18	5.48	7.46	7.23	8.83	8.90	9.33
		100.0	42.93	21.76	24.26	30.10	23.20	32.75	45.80	35.79	44.60	34.08

R=Readiness F=Facilities M=Mobilization C=Cost

HOSPITAL CONFIGURATION MODEL SPECIFICATIONS

Approach

- Parameters included:

  - required expanded (wartime) bed capacity for DON as of 7 Nov 94

  - Active Duty population in catchment area

  - civilian primary care physician to civilian population ratio in catchment area

- Objective function:

  -Minimize excess capacity

Initial Configuration Model Rules

- Average military value is maintained
- Hospital servicing more than 10k active duty remains open
- Close no hospital that is in a catchment area that the civilian primary care physician to population ratio is below the national standard (1:3000)

Model Output

- Naval hospitals open or closed

Generation of Alternatives

Model allows generation of three solution sets

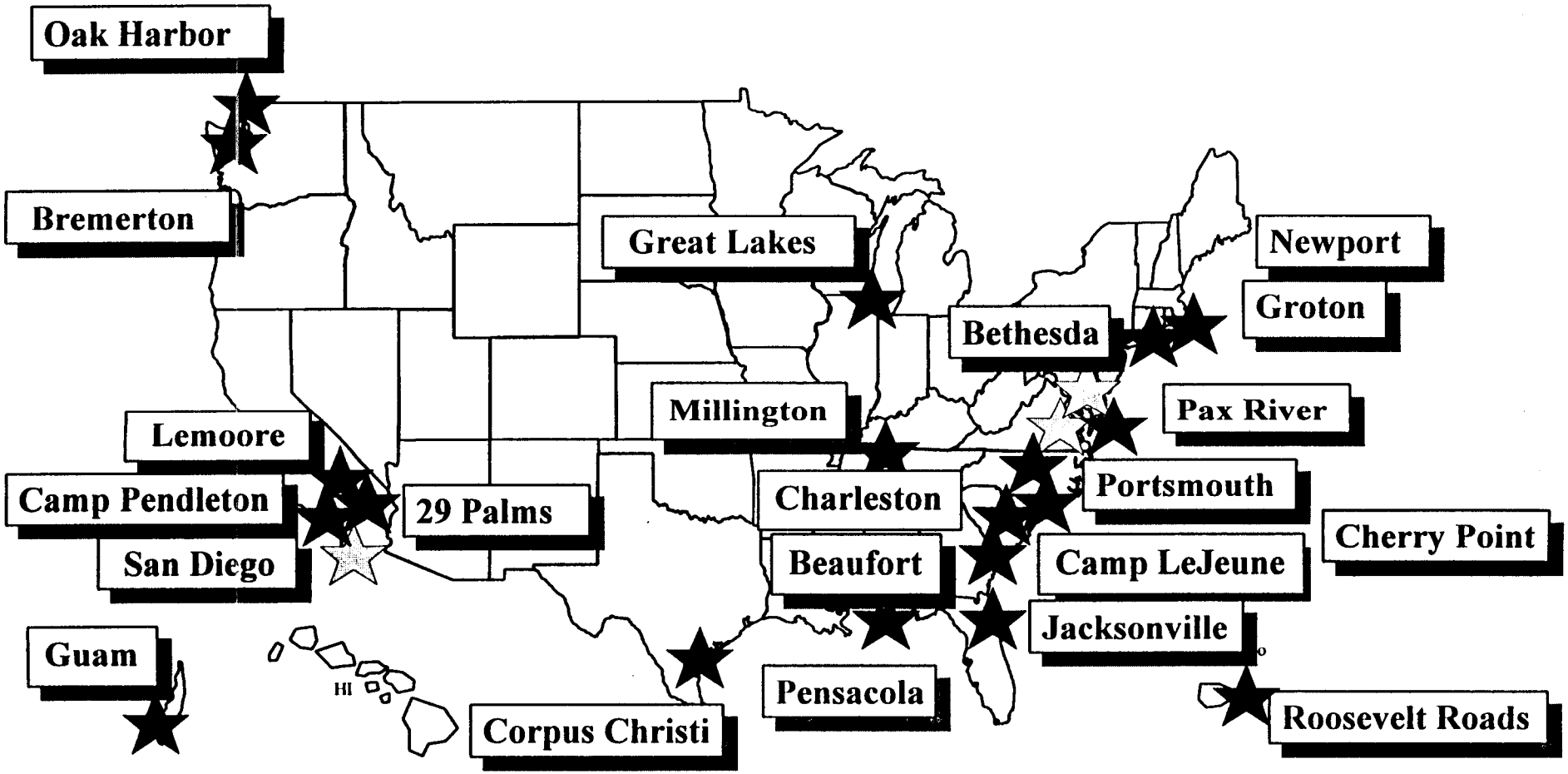
- Best solution for a given set of constraints and data
- Next best solution by excluding the first solution
- Third best solution by excluding the first two solutions

Sensitivity Analysis

Sensitivity analyses can accommodate

- Adjustments to expanded (wartime) bed requirements (as defined by the DPG)
- Other base closure scenarios

NAVAL HOSPITALS



☆ TERTIARY CARE GME CENTERS

★ FAMILY PRACTICE FACILITIES

★ COMMUNITY HOSPITALS

Naval Hospital Characteristics

HOSPITAL	ACTIVE DUTY POPULATION	EXPANDED BEDS
Pendleton	114386	265
Portsmouth	112887	176
San Diego	103303	583
Bethesda	68469	779
Cherry Point	41503	27
Lejeune	39904	238
Jacksonville	26664	228
Bremerton	14193	139
Groton	13777	96
Newport	13327	0
29 Palms	11500	40
Great Lakes	11409	718
Pensacola	11247	161
Charleston	11000	90
Guam	10320	27
Beaufort	9486	54
Oak Harbor	7948	31
Corpus Christi	7028	65
Lemoore	4283	37
Patuxent River	3300	32
Millington	3200	106
Roosevelt Roads	2380	75

Tertiary Naval Hospital Model Output

- 19 hospitals remain open
- 3 hospitals closed (Beaufort, Corpus Christi, and Oak Harbor)
- Initial average military value: 37.6
- Final average military value: 38.3
- 1217 excess expanded beds

Initial Naval Hospital Model Output

- 18 hospitals remain open
- 4 hospitals closed (Beaufort, Oak Harbor, Corpus Christi, and Lemoore)
- Initial average military value: 37.6
- Final average military value: 38.7
- 1180 excess expanded beds

Secondary Naval Hospital Model Output

- 19 hospitals remain open
- 3 hospitals closed (Beaufort, Corpus Christi, and Lemoore)
- Initial average military value: 37.6
- Final average military value: 38.6
- 1211 excess expanded beds

Document Separator

Construction Battalion Center Capacity Analysis

Construction Battalion Centers (CBCs)

- CBC Gulfport (Gulfport, MI)
- CBC Port Hueneme (Pt Hueneme, CA)

CBC Mission

- Mobilization base in support of the Naval Construction Force and Reserve Construction Force
- Receive, preserve, store and maintain Prepositioned War Reserve Material
- Homeport of AD CB Battalions and other DoD units
- Support of AD and Reserve Battalions/Units
- Training site for AD and Reserve Battalions.

Previous BRAC Impacts

- BRAC 1991 Closed CBC Davisville (RI)
- BRAC 1993 determined minimal excess capacity
  - Assumed that the closure of Davisville would result in some realignment of functions and storage to the other two CBCs
  - Did not proceed with Military Value Analysis
- No BRAC 1993 CBC closure or realignment actions

Capacity Analysis

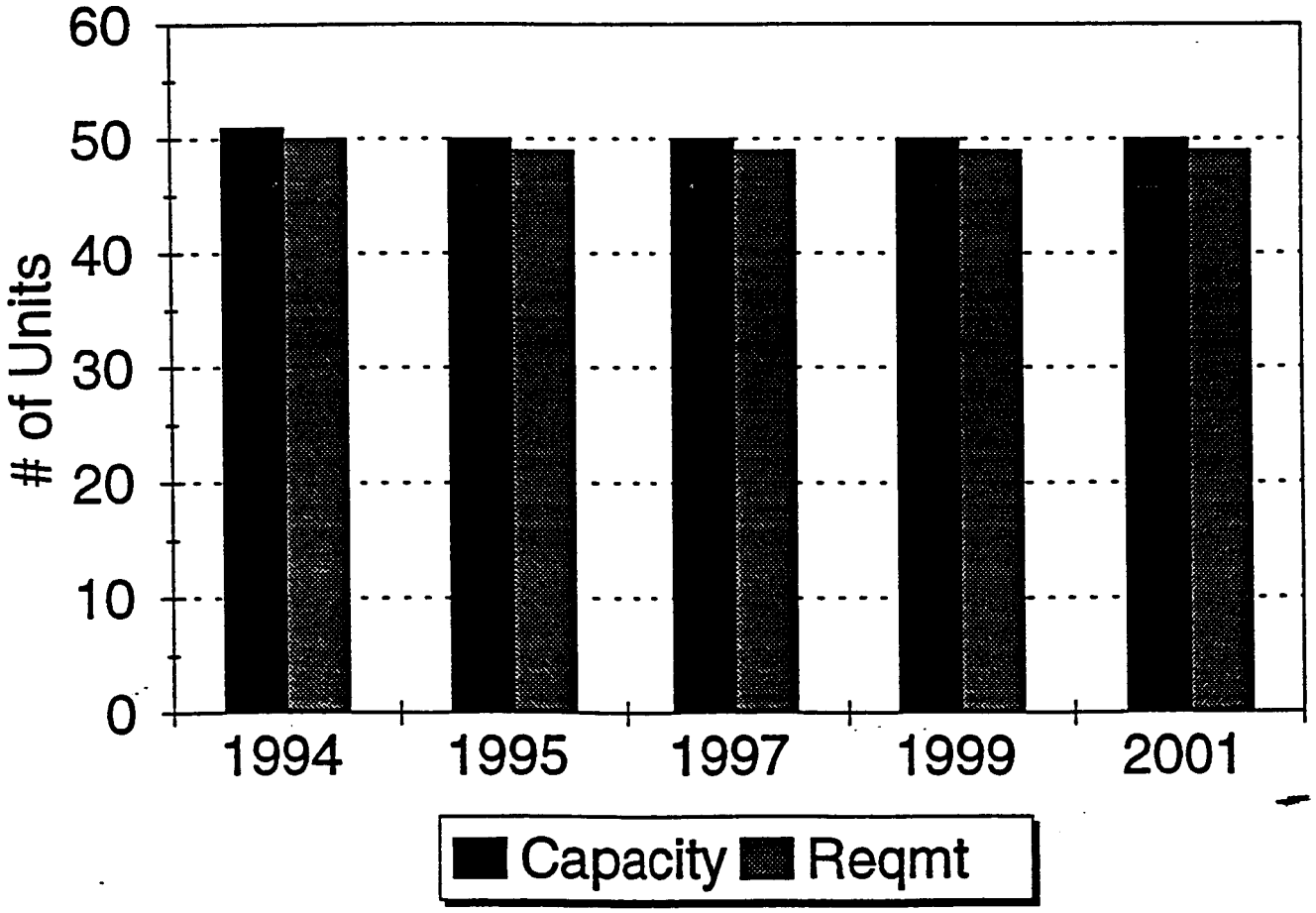
- 1995 Analysis parallels 1993 process
- Capacity Indicators are:
  - Units Supported
  - AD Units Homeported
  - CED Workyears
  - Inside Storage KSF
  - Personnel Supported
  - AD Personnel Homeported

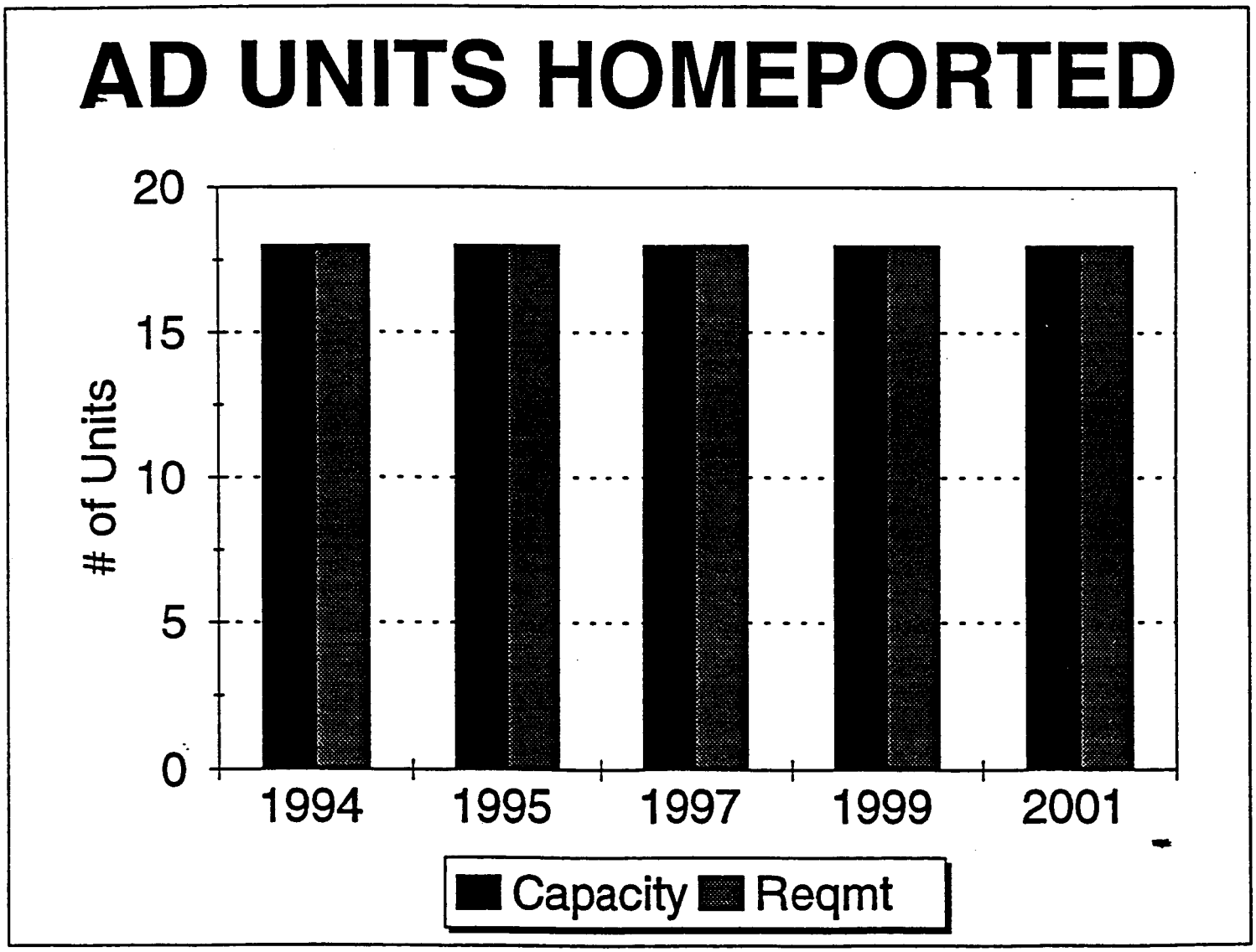
1995 CAPACITY ANALYSIS

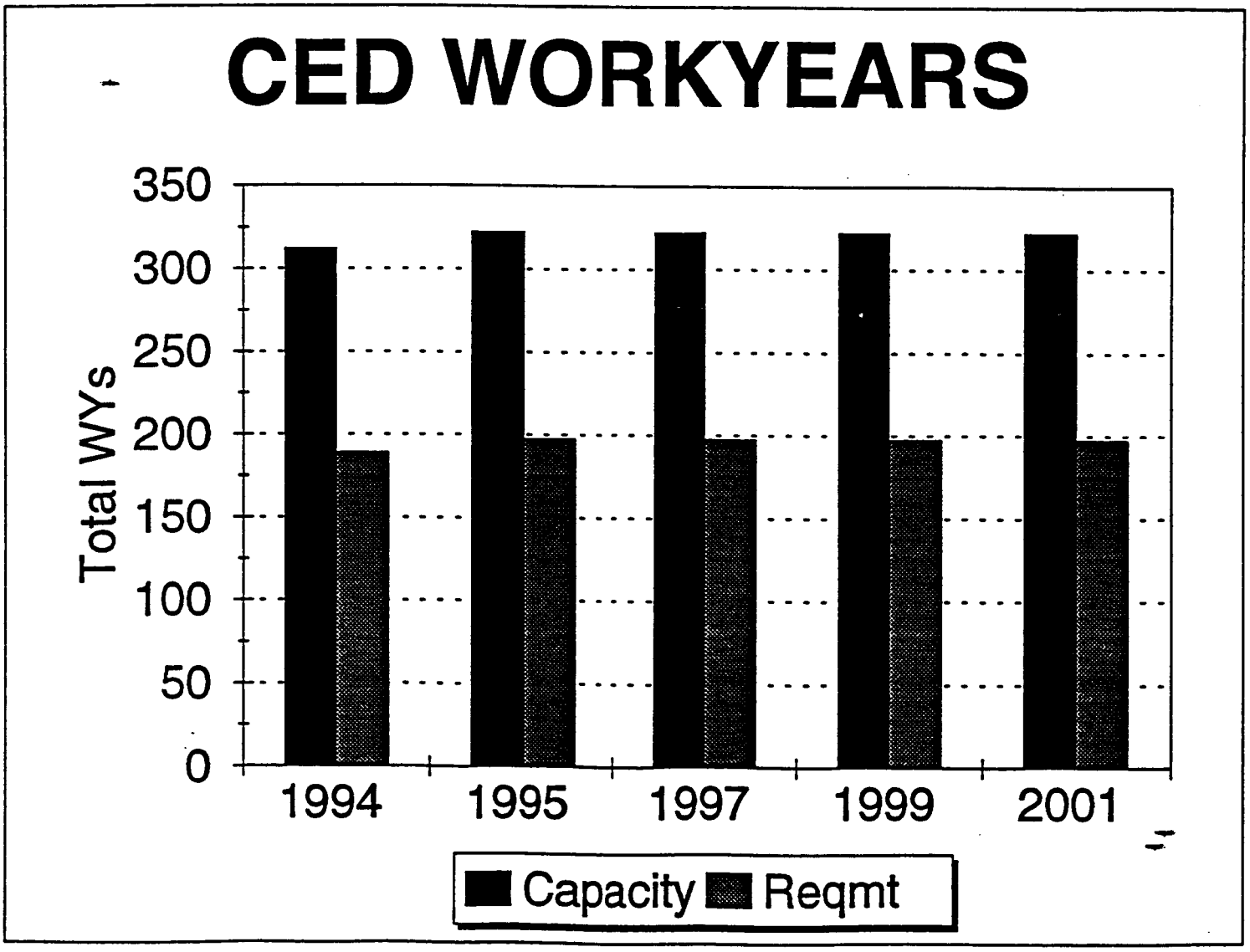
CBC STEP 1 CAPACITY ANALYSIS

	Capacity Measure	Throughput			Percent
		Predicted	Capacity	Excess	Excess
FY1994	Units Supported	50	51	1	2%
	AD Units Homeported	18	18	0	0%
	CED Workyears	189	312	123	39%
	Inside Storage KSF	3,752	3,387	(365)	-11%
	Personnel Supported	**23,559**	**24,365**	**806**	**3%**
	AD Personnel Homeported	**10,208**	**10,208**	**0**	**0%**
FY1995	Units Supported	49	50	1	2%
	AD Units Homeported	18	18	0	0%
	CED Workyears	198	322	125	39%
	Inside Storage KSF	3,752	3,538	(214)	-6%
	Personnel Supported	**23,140**	**23,946**	**806**	**3%**
	AD Personnel Homeported	**10,018**	**10,018**	**0**	**0%**
FY1997	Units Supported	49	50	1	2%
	AD Units Homeported	18	18	0	0%
	CED Workyears	198	322	125	39%
	Inside Storage KSF	3,752	3,687	(65)	-2%
	Personnel Supported	**23,140**	**23,946**	**806**	**3%**
	AD Personnel Homeported	**10,018**	**10,018**	**0**	**0%**
FY1999	Units Supported	49	50	1	2%
	AD Units Homeported	18	18	0	0%
	CED Workyears	198	322	125	39%
	Inside Storage KSF	3,752	3,685	(67)	-2%
	Personnel Supported	**23,140**	**23,946**	**806**	**3%**
	AD Personnel Homeported	**10,018**	**10,018**	**0**	**0%**
FY2001	Units Supported	49	50	1	2%
	AD Units Homeported	18	18	0	0%
	CED Workyears	198	322	125	39%
	Inside Storage KSF	3,752	3,685	(67)	-2%
	Personnel Supported	**23,140**	**23,946**	**806**	**3%**
	AD Personnel Homeported	**10,018**	**10,018**	**0**	**0%**

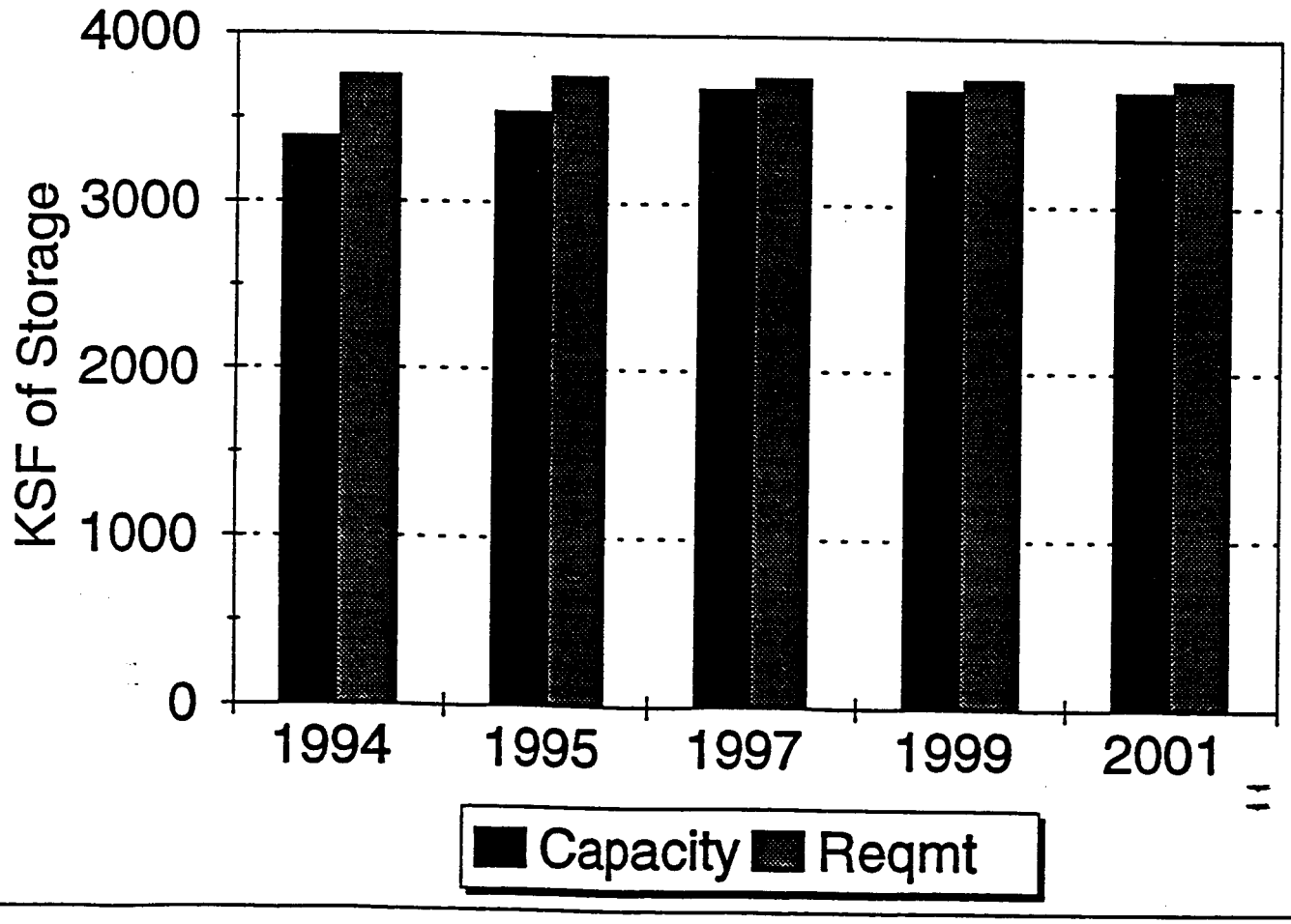
UNITS SUPPORTED



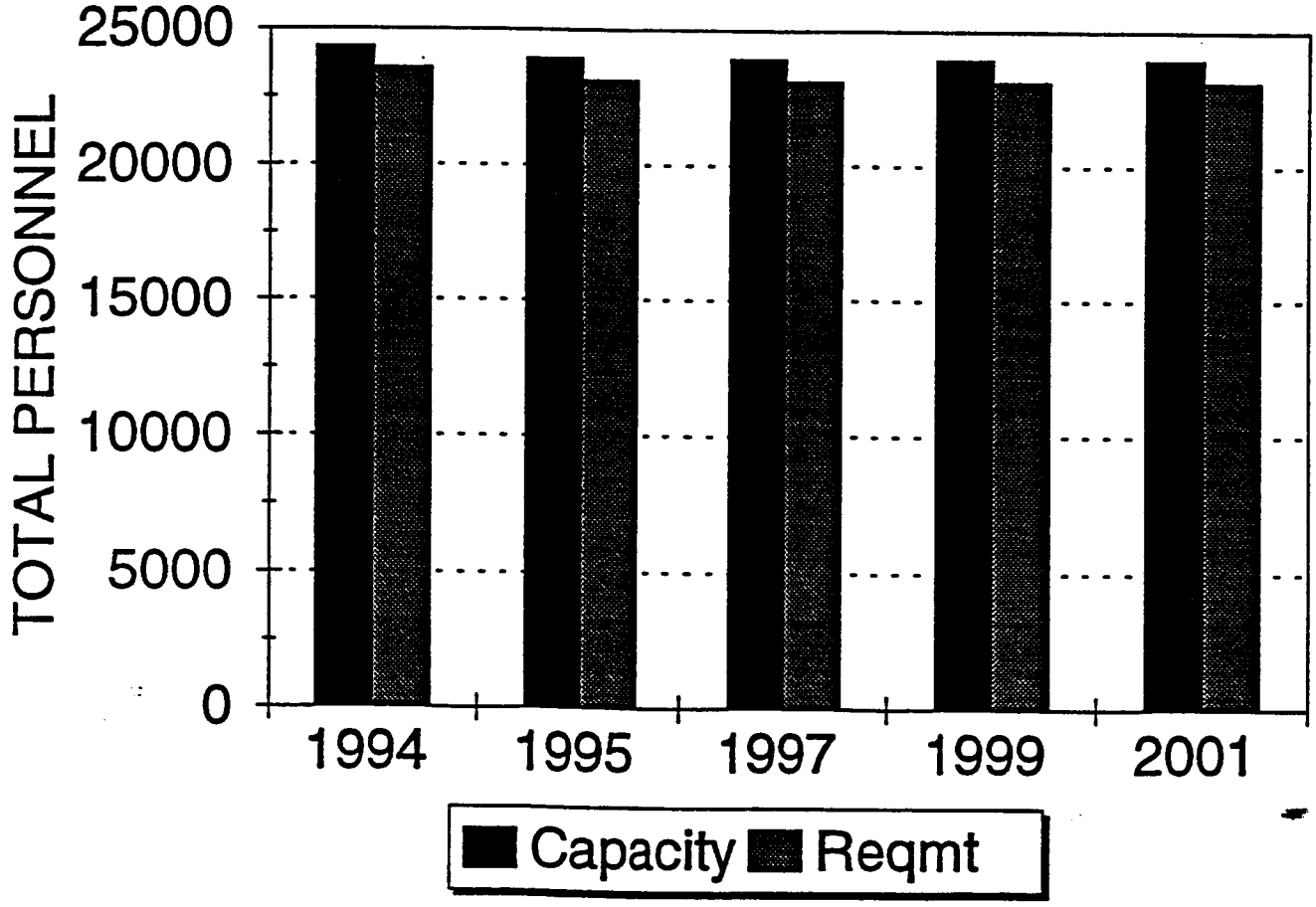

AD UNITS HOMEPORTED
20
15
10
5
0
# of Units
1994
1995
1997
1999
2001
Capacity
Reqmt


CED WORKYEARS
Total WYs
350
300
250
200
150
100
50
0
1994
1995
1997
1999
2001
Capacity
Reqmt

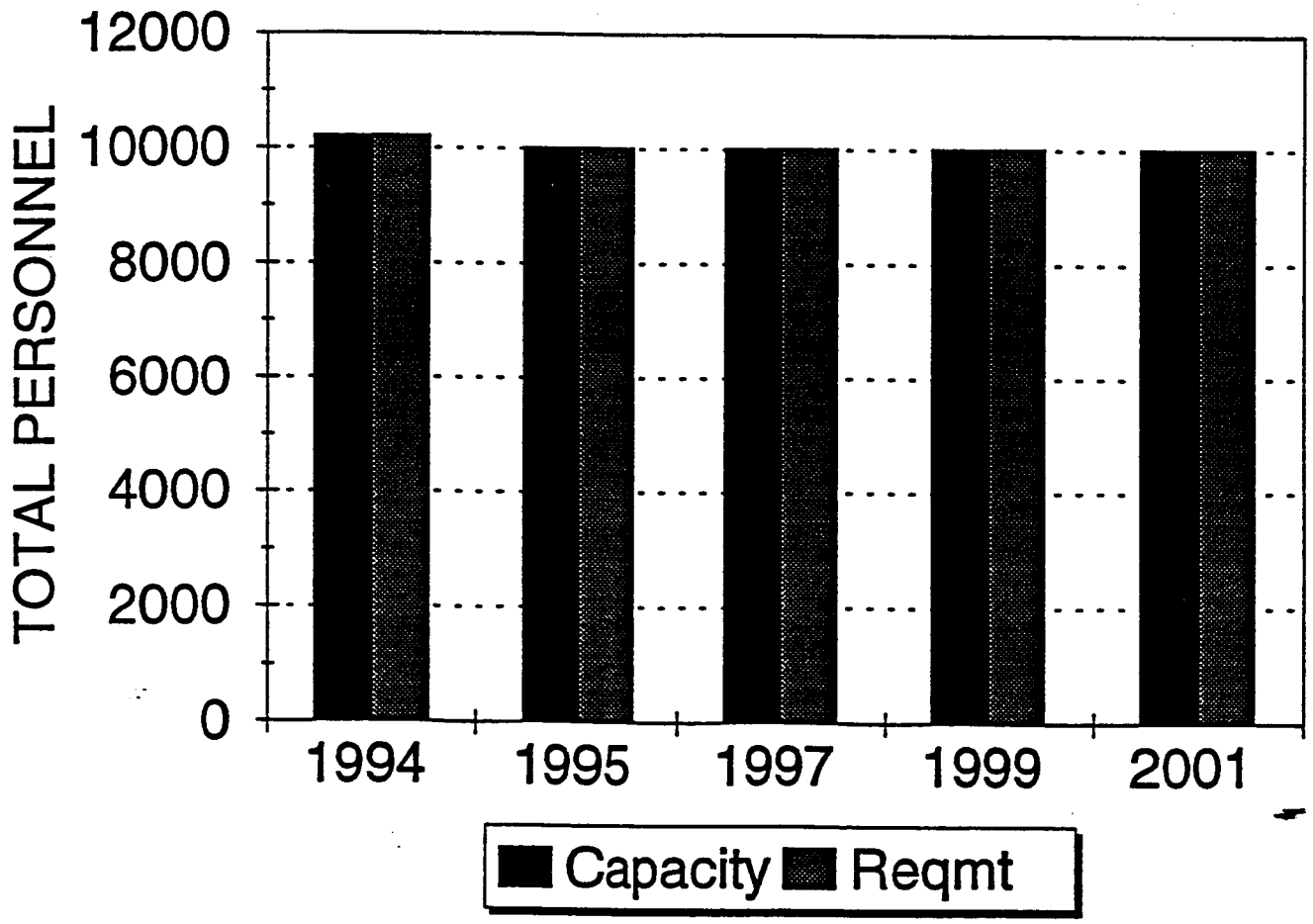
INSIDE STORAGE



PERSONNEL SUPPORTED



AD PERS. HOMEPORTED



1995 CAPACITY ANALYSIS

CB CBC CAPACITY BREAKDOWN BY CBC

	Capacity Measure	GULFPORT Used	GULFPORT Avail	GULFPORT Excess	PORT HUENEME Used	PORT HUENEME Avail	PORT HUENEME Excess
FY 1994	Units Supported	27	27	0	23	24	1
	AD Units Homeported	7	7	0	11	11	0
	CED Workyears	89	99	10	100	213	113
	Inside Storage KSF	1899.1	1547.2	-351.9	1853	1840	-13
	Personnel Supported	**10557**	**10557**	**0**	**13002**	**13808**	**806**
	AD Personnel Homeported	**2646**	**2646**	**0**	**7562**	**7562**	**0**
FY 1995	Units Supported	25	25	0	24	25	1
	AD Units Homeported	7	7	0	11	11	0
	CED Workyears	97.5	109	11.5	100	213	113
	Inside Storage KSF	1899.1	1697.7	-201.4	1853	1840	-13
	Personnel Supported	**9728**	**9728**	**0**	**13412**	**14218**	**806**
	AD Personnel Homeported	**2646**	**2646**	**0**	**7372**	**7372**	**0**
FY 1997	Units Supported	25	25	0	24	25	1
	AD Units Homeported	7	7	0	11	11	0
	CED Workyears	97.5	109	11.5	100	213	113
	Inside Storage KSF	1899.1	1847.2	-51.9	1853	1840	-13
	Personnel Supported	**9728**	**9728**	**0**	**13412**	**14218**	**806**
	AD Personnel Homeported	**2646**	**2646**	**0**	**7372**	**7372**	**0**
FY 1999	Units Supported	25	25	0	24	25	1
	AD Units Homeported	7	7	0	11	11	0
	CED Workyears	97.5	109	11.5	100	213	113
	Inside Storage KSF	1899.1	1847.2	-51.9	1853	1838	-15
	Personnel Supported	**9728**	**9728**	**0**	**13412**	**14218**	**806**
	AD Personnel Homeported	**2646**	**2646**	**0**	**7372**	**7372**	**0**
FY 2001	Units Supported	25	25	0	24	25	1
	AD Units Homeported	7	7	0	11	11	0
	CED Workyears	97.5	109	11.5	100	213	113
	Inside Storage KSF	1899.1	1847.2	-51.9	1853	1838	-15
	Personnel Supported	9728	9728	0	13412	14218	806
	AD Personnel Homeported	**2646**	**2646**	**0**	**7372**	**7372**	**0**

Capacity Analysis Summary

- Some excess capacity of **Construction Equipment Division** throughput exists
- There is no excess capacity for **Units and Personnel Supported**
- There is a **deficiency** of **Inside Storage Space**

Recommendations

- Conclude that the closure of CBC Davisville accomplished the elimination of excess capacity at CBCs
- Data suggests that:
  - Inside Storage space deficiency
  - Inability to support additional units
  - Inability to support additional personnel
- Conclude that there is limited to no excess capacity at CBCs
- Do not proceed with the Military Value Analysis

Document Separator

TECHNICAL CENTERS Military Value Matrix

Que Impd	Que Seq	QUESTIONS	Criteria R 40	Criteria F 20	Criteria M 10	Criteria C 30	Criteria R 40	Criteria F 20	Criteria M 10	Criteria C 30	Criteria weights R 40	Criteria weights F 20	Criteria weights M 10	Criteria weights C 30	Score	Weight
		MISSION STATEMENT														14.252
1	1	Includes full-spectrum life cycle responsibility.	1	1	1	1	1	1	1	1	0.741	0.504	0.508	0.741	10	2.493
1	2	Includes total systems responsibility.	1	1	1	1	1	1	1	1	0.741	0.504	0.508	0.741	10	2.493
3	3	Includes sub-system/component responsibility.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296
1	4	Includes systems integration responsibility.	1	1		1	1	1	0	1	0.741	0.504	0.000	0.741	10	1.985
3	5	Includes component integration responsibility.		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202
2	6	Includes research.	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	7	Includes development.	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	8	Includes test and evaluation.	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	9	Includes procurement/acquisition.	1				1	0	0	0	0.370	0.000	0.000	0.000	5	0.370
2	10	Includes in-service engineering.	1		1		1	0	1	0	0.444	0.000	0.305	0.000	6	0.749
2	11	Includes support to direct formal training of naval forces.	1		1		1	0	1	0	0.296	0.000	0.203	0.000	4	0.499
1	12	A naval surface warfare activity.	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
1	13	A naval air warfare activity.	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
1	14	A naval undersea warfare activity.	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
1	15	A naval command, control, and ocean surveillance activity.	1				1	0	0	0	0.667	0.000	0.000	0.000	9	0.667
1	16	A naval research laboratory activity.	1				1	0	0	0	0.741	0.000	0.000	0.000	10	0.741
3	17	Includes joint/lead service assignments..		1		1	0	1	0	1	0.000	0.202	0.000	0.296	4	0.498
		TECHNICAL FUNCTIONS					0	0	0	0					0	14.095
3	18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296
1	19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS	1				1	0	0	0	0.667	0.000	0.000	0.000	9	0.667
1	20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM IN	1				1	0	0	0	0.667	0.000	0.000	0.000	9	0.667
3	21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIO	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148
2	22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEI	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444
3	23	Include a minimum of 100 in-house technical WYs in NAVIGATION.	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148
1	24	Include a minimum of 100 in-house technical WYs in C3I.	1				1	0	0	0	0.667	0.000	0.000	0.000	9	0.667
3	25	Include a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296
3	26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGR	1				1	0	0	0	0.222	0.000	0.000	0.000	3	0.222
3	27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148
2	28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOL	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	29	Include a minimum of 100 in-house technical WYs in BASIC RESEARCH (	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444
1	31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & D	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
2	32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296
2	33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	1		1		1	0	1	0	0.370	0.000	0.254	0.000	5	0.624
2	34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATI	1		1		1	0	1	0	0.222	0.000	0.152	0.000	3	0.375
3	35	PLATFORMS share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.222	0.000	0.000	0.000	3	0.222
1	36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
1	37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
3	38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is =	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074
2	39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WY	1				1	0	0	0	0.370	0.000	0.000	0.000	5	0.370
3	40	NAVIGATION share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074
1	41	C3I share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.593	0.000	0.000	0.000	8	0.593
3	42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.222	0.000	0.000	0.000	3	0.222
3	43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148
3	44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074
2	45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is =	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444
2	46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444
2	47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %	1				1	0	0	0	0.370	0.000	0.000	0.000	5	0.370
1	48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-hous	1				1	0	0	0	0.519	0.000	0.000	0.000	7	0.519
2	49	ACQUISITION share of DON in-house technical WYs is => 5%.	1				1	0	0	0	0.222	0.000	0.000	0.000	3	0.222
2	50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	1		1		1	0	1	0	0.296	0.000	0.203	0.000	4	0.499

2	51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	1		1		1	0	1	0	0.222	0.000	0.152	0.000	3	0.375	
3	52	Technical functions are performed for aircraft.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	53	Technical functions are performed for submarines.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	54	Technical functions are performed for surface ships.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	55	Technical functions are performed for command, control and ocean s	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
		FACILITIES					0	0	0	0					D	15.451	
1	56	Facility is a host activity.	1	1			1	1	0	0	0.741	0.504	0.000	0.000	10	1.245	
2	57	80% to 89% of administrative & laboratory space is ADEQUATE.		1			0	1	0	0	0.000	0.252	0.000	0.000	5	0.252	
1	58	90% to 100% of administrative & laboratory space is ADEQUATE.		1			0	1	0	0	0.000	0.403	0.000	0.000	8	0.403	
2	59	3% to 5% of administrative & laboratory space is INADEQUATE.		1			0	1	0	0	0.000	0.252	0.000	0.000	5	0.252	
1	60	Less than 3% of administrative & laboratory space is INADEQUATE.		1			0	1	0	0	0.000	0.403	0.000	0.000	8	0.403	
1	61	No funds are required to correct inadequacies.		1		1	0	1	0	1	0.000	0.403	0.000	0.593	8	0.996	
2	62	Funds are required to correct inadequacies, but less then $500,000.		1		1	0	1	0	1	0.000	0.252	0.000	0.370	5	0.622	
3	63	Funds are required to correct inadequacies, totalling between $500,000		1		1	0	1	0	1	0.000	0.151	0.000	0.222	3	0.373	
3	64	Less than 5% of utilized floor space is leased.				1	0	0	0	1	0.000	0.000	0.000	0.148	2	0.148	
3	65	Less than 25% of plant account space is assigned to tenants.				1	0	0	0	1	0.000	0.000	0.000	0.148	2	0.148	
3	66	10,000 to 49,999 sqft of existing Government owned space is available f		1	1	1	0	1	1	1	0.000	0.151	0.152	0.222	3	0.526	
2	67	50,000 to 100,000 sqft of existing Government owned space is available		1	1	1	0	1	1	1	0.000	0.252	0.254	0.370	5	0.876	
1	68	More than 100,000 sqft of existing Government owned space is availabl		1	1	1	0	1	1	1	0.000	0.353	0.355	0.519	7	1.226	
3	69	10,000 to 49,999 sqft of Government owned space can be constructed		1	1		0	1	1	0	0.000	0.101	0.102	0.000	2	0.202	
2	70	50,000 to 100,000 sqft of Government owned space can be constructed		1	1		0	1	1	0	0.000	0.202	0.203	0.000	4	0.405	
1	71	More than 100,000 sqft of Government owned space can be construct		1	1		0	1	1	0	0.000	0.302	0.305	0.000	6	0.607	
3	72	Expansion opportunities can support 50 to 99 additional persons.		1	1		0	1	1	0	0.000	0.151	0.152	0.000	3	0.303	
2	73	Expansion opportunities can support 100 to 499 additional persons.		1	1		0	1	1	0	0.000	0.252	0.254	0.000	5	0.506	
1	74	Expansion opportunities can support more than 500 additional persons.		1	1		0	1	1	0	0.000	0.353	0.355	0.000	7	0.708	
3	75	250 to 499 unimproved & unencumbered acres available for expansion			1		0	0	1	0	0.000	0.000	0.102	0.000	2	0.102	
2	76	500 to 1000 unimproved & unencumbered acres available for expansio			1		0	0	1	0	0.000	0.000	0.203	0.000	4	0.203	
1	77	More than 1,000 unimproved & unencumbered acres available for exp			1		0	0	1	0	0.000	0.000	0.305	0.000	6	0.305	
3	78	Expansion is not constrained by parking limitations.			1		0	0	1	0	0.000	0.000	0.051	0.000	1	0.051	
3	79	Expansion is not constrained by radio frequency limitations.			1		0	0	1	0	0.000	0.000	0.102	0.000	2	0.102	
3	80	10 to 49 acres with roads and utilities available for expansion.		1	1	1	0	1	1	1	0.000	0.101	0.102	0.148	2	0.350	
2	81	50 to 499 acres with roads and utilities available for expansion.		1	1	1	0	1	1	1	0.000	0.202	0.203	0.296	4	0.701	
1	82	More than 500 acres with roads and utilities available for expansion.		1	1	1	0	1	1	1	0.000	0.302	0.305	0.444	6	1.051	
3	83	Site utilizes less than 70% of its utility capacity.			1	1	0	0	1	1	0.000	0.000	0.152	0.222	3	0.375	
3	84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.		1		1	0	1	0	1	0.000	0.101	0.000	0.148	2	0.249	
3	85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,		1		1	0	1	0	1	0.000	0.202	0.000	0.296	4	0.498	
1	86	Replacement value of FIXED SF&E exceeds $100,000,000.		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
3	87	Site has revenue producing resources.		1		1	0	1	0	1	0.000	0.202	0.000	0.296	4	0.498	
		RANGES, FEATURES AND OTHER CAPABILITIES					0	0	0	0					D	15.816	
1	88	Site operates piers that can support naval combatants.		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
1	89	Site operates an operational air field that supports high performance ai		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
3	90	Site has ordnance storage capacity between 500,000 and 999,999 net e		1	1		0	1	1	0	0.000	0.101	0.102	0.000	2	0.202	
2	91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 n		1	1		0	1	1	0	0.000	0.202	0.203	0.000	4	0.405	
1	92	Site has ordnance storage capacity is at least 10,000,000 net explosive v		1	1		0	1	1	0	0.000	0.302	0.305	0.000	6	0.607	
3	93	Facility has a super computer or parallel computer on site.		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202	
3	94	Data transfer across the site is supported by a high speed network.	1	1	1		1	1	1	0	0.222	0.151	0.152	0.000	3	0.526	
2	95	Real time data interconnectivity is achieved with other sites.	1	1	1		1	1	1	0	0.444	0.302	0.305	0.000	6	1.051	
2	96	Production is accomplished at this site.	1	1	1	1	1	1	1	1	0.444	0.302	0.305	0.444	6	1.496	
3	97	Site has a real time Video Teleconferencing Center.		1		1	0	1	0	1	0.000	0.101	0.000	0.148	2	0.249	
3	98	Officially assigned mobilization responsibility.		1	1		0	1	1	0	0.000	0.101	0.102	0.000	2	0.202	
3	99	Adequate facilities available to support mobilization responsibilities.		1	1		0	1	1	0	0.000	0.101	0.102	0.000	2	0.202	
3	100	Site maintains production facilities to be activated for contingencies.		1	1		0	1	1	0	0.000	0.101	0.102	0.000	2	0.202	
3	101	Site supports Reserve Unit mobilization responsibilities.			1		0	0	1	0	0.000	0.000	0.102	0.000	2	0.102	
1	102	Site controls range airspace of greater than 5,000 sq mi..		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
2	103	Airspace range(s) has no limiting (current or future) encroachment or e		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
1	104	Site controls range sea/undersea space of greater than 100 sq mi.		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
2	105	Seaspace/undersea range(s) has no limiting (current or future) encroac		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	

1	106	Site controls range landspace of greater than 100 sq mi.		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
2	107	Landspace range(s) has no limiting (future or current) encroachment o		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
3	108	Site has range facilities that are used for fleet tactical training.	1		1		1	0	1	0	0.296	0.000	0.203	0.000	4	0.499	
1	109	Facility is part of the DoD Major Range and Test Facility Base.	1	1		1	1	1	0	1	0.741	0.504	0.000	0.741	10	1.985	
2	110	At least 100,000 man hours of depot/industrial maintenance performed	1		1		1	0	1	0	0.370	0.000	0.254	0.000	5	0.624	
		MANPOWER					0	0	0	0					D	19.250	
2	111	Total civilians on board is between 1000 and 1999.	1		1	1	1	0	1	1	0.444	0.000	0.305	0.444	6	1.193	
1	112	Total civilians on board is between 2000 and 3,999.	1		1	1	1	0	1	1	0.519	0.000	0.355	0.519	7	1.392	
1	113	Total civilians on board is greater than 4000.	1		1	1	1	0	1	1	0.593	0.000	0.406	0.593	8	1.591	
3	114	Average civilian technical staff years of experience is less than 7.	1			1	1	0	0	1	0.148	0.000	0.000	0.148	2	0.296	
3	115	Average civilian technical staff years of experience is greater than 7 an	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
2	116	Average civilian technical staff years of experience is greater than 9 an	1			1	1	0	0	1	0.519	0.000	0.000	0.519	7	1.037	
1	117	Average civilian technical staff years of experience is greater than 11 a	1			1	1	0	0	1	0.667	0.000	0.000	0.667	9	1.333	
2	118	Average civilian technical staff years of experience is greater than 13 a	1			1	1	0	0	1	0.444	0.000	0.000	0.444	6	0.889	
2	119	Average civilian technical staff years of experience is greater than 15.	1			1	1	0	0	1	0.222	0.000	0.000	0.222	3	0.444	
3	120	Average civilian technical staff education level is less than 13.	1			1	1	0	0	1	0.148	0.000	0.000	0.148	2	0.296	
2	121	Average civilian technical staff education level is greater than 13 and l	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
2	122	Average civilian technical staff education level is greater than 14 and l	1			1	1	0	0	1	0.444	0.000	0.000	0.444	6	0.889	
1	123	Average civilian technical staff education level is greater than 15 and l	1			1	1	0	0	1	0.593	0.000	0.000	0.593	8	1.185	
1	124	Average civilian technical staff education level is greater than 16.	1			1	1	0	0	1	0.741	0.000	0.000	0.741	10	1.481	
3	125	Average # of articles published over last 4 years per 100 technical staff i	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	126	Average # of articles published over last 4 years per 100 technical staff i	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074	
3	127	Books/chapters written over last 4 years per 100 technical staff is in the t	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	128	Books/chapters written over last 4 years per 100 technical staff is in the r	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074	
3	129	Activity has Nobel laureate(s) employed.	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148	
3	130	Average # of awards over last 4 years per 100 technical staff is in the top	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148	
3	131	Average # of awards over the last 4 years per 100 technical staff is in the	1				1	0	0	0	0.074	0.000	0.000	0.000	1	0.074	
2	132	Patents granted over last 4 years per 100 technical staff is in the top 25%	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444	
3	133	Patents granted over last 4 years per 100 technical staff is in the next 25	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
2	134	Patents applied for over last 4 years per 100 technical staff is in the top 2	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444	
3	135	Patents applied for over last 4 years per 100 technical staff is in the next	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	136	National Academy of Engineering/Science members.	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148	
2	137	# of CRDAs signed by the Activity is over 10.	1			1	1	0	0	1	0.370	0.000	0.000	0.370	5	0.741	
2	138	Annual royalty income per 100 technical staff is in the top 25%.	1			1	1	0	0	1	0.370	0.000	0.000	0.370	5	0.741	
3	139	Annual royalty income per 100 technical staff is in the next 25%.	1			1	1	0	0	1	0.222	0.000	0.000	0.222	3	0.444	
2	140	Number of major end item prototypes currently in use is in the top 25%.	1	1			1	1	0	0	0.519	0.353	0.000	0.000	7	0.871	
2	141	Number of major end item prototypes currently in use is in the next 25%	1	1			1	1	0	0	0.296	0.202	0.000	0.000	4	0.498	
		LOCATION/ENVIRONMENT					0	0	0	0					D	5.455	
1	142	Location is necessary to perform assigned technical functions.	1			1	1	0	0	1	0.444	0.000	0.000	0.444	6	0.889	
1	143	Location has natural features that are essential to the mission of the fac	1	1			1	1	0	0	0.444	0.302	0.000	0.000	6	0.747	
2	144	Location enhances synergy with other activities and bases.	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
3	145	Location enhances joint use capability.	1				1	0	0	0	0.222	0.000	0.000	0.000	3	0.222	
2	146	Location provides favorable weather conditions.		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202	
1	147	Location is important to customers.	1			1	1	0	0	1	0.444	0.000	0.000	0.444	6	0.889	
2	148	Site has no endangered/threatened species and biological habitats tho		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
2	149	Site has no jurisdictional wetlands that currently restrict base operations		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
2	150	Site has no National Register cultural resources that constrain base ops		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
2	151	Base ops or development plans are not constrained by laws applying to		1			0	1	0	0	0.000	0.302	0.000	0.000	6	0.302	
2	152	Site is in an "attainment" or "maintenance" air quality control area for C		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202	
2	153	Site operations or development plans have not been restricted due to c		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202	
2	154	Site has no Installation Restoration issues that restrict operations or devel		1			0	1	0	0	0.000	0.202	0.000	0.000	4	0.202	
3	155	Site has no significant maintenance dredging restrictions.		1			0	1	0	0	0.000	0.101	0.000	0.000	2	0.101	
		QUALITY OF LIFE					0	0	0	0					D	8.839	
1	156	Is there sufficient off base housing?		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
1	157	Do 90% or more of the housing units have all the required amenities?		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
2	160	Is the average wait for housing three months or less?		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
1	163	Are 90% of BEQ rooms adequate?		1		1	0	1	0	1	0.000	0.403	0.000	0.593	8	0.996	

1	165	Are 90% of BOQ rooms adequate?		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
2	166	Does the site have >90% of the listed MWR facilities?		1		1	0	1	0	1	0.000	0.353	0.000	0.519	7	0.871	
3	169	Are >90% of the child care facilities adequate?		1		1	0	1	0	1	0.000	0.202	0.000	0.296	4	0.498	
2	172	Is the average wait for 0-12 month child care <180 days?		1		1	0	1	0	1	0.000	0.302	0.000	0.444	6	0.747	
3	177	Do >50% of site military and civilian personnel live within a 30 minute co	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
3	178	Are local area educationcl institution programs adequate for military fa				1	0	0	0	1	0.000	0.000	0.000	0.296	4	0.296	
3	179	Are there educational opportunities at all college levels within a 30-mile	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
3	180	Are college education courses available on the base?	1			1	1	0	0	1	0.296	0.000	0.000	0.296	4	0.593	
1	184	Do military family members have reasonable access to medical/denta				1	0	0	0	1	0.000	0.000	0.000	0.444	6	0.444	
3	185	Is the violent crime rate <758/100,000?				1	0	0	0	1	0.000	0.000	0.000	0.074	1	0.074	
3	186	Is the property crime rate <4902/100,00?				1	0	0	0	1	0.000	0.000	0.000	0.074	1	0.074	
3	187	Is the drug crime rate <402/100,000?				1	0	0	0	1	0.000	0.000	0.000	0.074	1	0.074	
		COST					0	0	0	0					8	4.963	
1	188	Percent of all employees employed in technical operations is more tha				1	0	0	0	1	0.000	0.000	0.000	0.593	8	0.593	
2	189	Percent of all employees employed in technical opertions is between 7				1	0	0	0	1	0.000	0.000	0.000	0.444	6	0.444	
2	190	Percent of all employees employed in technical opertions is between 5				1	0	0	0	1	0.000	0.000	0.000	0.296	4	0.296	
3	191	Percent of all employees employed in technical opertions is between 3				1	0	0	0	1	0.000	0.000	0.000	0.148	2	0.148	
3	192	Percent of all employees employed in technical opertions is less than 3				1	0	0	0	1	0.000	0.000	0.000	0.074	1	0.074	
3	193	Percent of overhead performed by government civilians is greater thar				1	0	0	0	1	0.000	0.000	0.000	0.222	3	0.222	
2	194	Percent of overhead performed by government civilians is between 70				1	0	0	0	1	0.000	0.000	0.000	0.370	5	0.370	
1	195	Percent of overhead performed by government civilians is between 50				1	0	0	0	1	0.000	0.000	0.000	0.519	7	0.519	
2	196	Percent of overhead performed by government civilians is between 30				1	0	0	0	1	0.000	0.000	0.000	0.370	5	0.370	
3	197	Percent of overhead performed by government civilians is less than 30.				1	0	0	0	1	0.000	0.000	0.000	0.222	3	0.222	
2	198	Percent of technical operations performed by government civilians is g				1	0	0	0	1	0.000	0.000	0.000	0.222	3	0.222	
2	199	Percent of tech. operations performed by government civilians is betw				1	0	0	0	1	0.000	0.000	0.000	0.370	5	0.370	
1	200	Percent of tech. operations performed by government civilians is betw				1	0	0	0	1	0.000	0.000	0.000	0.519	7	0.519	
2	201	Percent of tech. operations performed by government civilians is betw				1	0	0	0	1	0.000	0.000	0.000	0.370	5	0.370	
3	202	Percent of tech. operations performed by government civilians is less th				1	0	0	0	1	0.000	0.000	0.000	0.222	3	0.222	
		LOSS IMPACT					0	0	0	0					9	3.899	
3	203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulatior	1	1			1	1	0	0	0.148	0.101	0.000	0.000	2	0.249	
3	204	Directly impact naval force training. (40 or higher WYs in Training/Simula	1	1			1	1	0	0	0.148	0.101	0.000	0.000	2	0.249	
2	205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetim	1	1			1	1	0	0	0.296	0.202	0.000	0.000	4	0.498	
2	206	Directly impact existing naval force readiness. (500 or higher WYs in Life	1	1			1	1	0	0	0.296	0.202	0.000	0.000	4	0.498	
1	207	Directly impact future naval force development. (100 to 499 WYs in RDT		1	1		0	1	1	0	0.000	0.353	0.355	0.000	7	0.708	
1	208	Directly impact future naval force development (500 or higher WYs in R		1	1		0	1	1	0	0.000	0.403	0.406	0.000	8	0.809	
1	209	Loss of activity adversely affects top 25% of technical mission areas.	1				1	0	0	0	0.444	0.000	0.000	0.000	6	0.444	
2	210	Loss of activity adversely affects 2nd 25% of technical mission areas.	1				1	0	0	0	0.296	0.000	0.000	0.000	4	0.296	
3	211	Loss of activity adversely affects 3rd 25% of technical mission areas.	1				1	0	0	0	0.148	0.000	0.000	0.000	2	0.148	
			106	75	43	79	106	75	43	79	40	20	10	30		100.000	

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC				LOGCEN	EOD
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Huene	Cardrck	Annap	Phily	Bayview	Indn Hd	Yorktwn	HQ	Newpt	N Lond	Keyport	Mechan	Tech Ct
	MISSION STATEMENT	0.693	2.136	4.629	1.111	9.047	5.435	4.649	8.677	6.184	2.654	1.407	4.184	2.675	0.519	10.292	3.119	4.575	0.749	2.962
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0
2	Includes total systems responsibility.	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1	0	1	0	0
3	Includes sub-system/component responsibility.	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1
4	Includes systems integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
5	Includes component integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
6	Includes research.	0	0	0	0	1	1	0	1	1	0	0	1	0	0	1	1	0	0	0
7	Includes development.	0	0	0	0	1	1	0	1	1	0	0	1	1	0	1	1	0	0	1
8	Includes test and evaluation.	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0
9	Includes procurement/acquisition.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Includes in-service engineering.	0	1	1	0	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1
11	Includes support to direct formal training of naval forces.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	A naval surface warfare activity.	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
13	A naval air warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	A naval research laboratory activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	0	1	1	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	1
	TECHNICAL FUNCTIONS	0.000	7.864	3.568	0.296	7.819	2.846	6.086	2.815	1.565	5.198	0.296	3.735	0.000	0.000	6.651	3.759	3.864	1.809	0.667
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0	1
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM IN	0	1	0	0	1	0	1	0	0	1	0	0	0	0	1	0	0	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIO	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEI	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0
23	Inlcude a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Inlcude a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	1	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGR	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION	0	1	0	0	1	1	0	0	0	0	0	1	0	0	1	0	1	1	0
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Inlcude a minimum of 100 in-house technical WYs in BASIC RESEARCH (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (R	0	1	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & D	0	1	0	0	1	0	1	1	0	0	0	0	0	0	1	1	0	0	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	1	1	0	1	1	1	1	0	1	0	1	0	0	1	1	1	1	0
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	1	1	0	1	1	1	0	0	1	0	1	0	0	1	1	1	1	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATI	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is =	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WY	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-hous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC				LOGCEN	EOD
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Huene	Cardrck	Annap	Phily	Bayview	Indn Hd	Yorktwn	HQ	Newpt	N Lond	Keyport	Mechan	Tech Ct
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Technical functions are performed for aircraft.	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Technical functions are performed for submarines.	0	1	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0
54	Technical functions are performed for surface ships.	0	1	1	0	1	1	1	1	1	1	0	1	0	0	0	0	0	1	0
55	Technical functions are performed for command, control and ocean s	0	1	0	0	1	0	1	0	0	0	0	1	0	0	1	1	1	0	0
	FACILITIES	0.000	9.010	8.006	1.477	7.666	7.955	2.828	5.259	3.315	2.927	3.875	6.801	0.397	0.148	5.495	5.943	5.201	0.148	0.397
56	Facility is a host activity.	0	1	1	0	1	1	0	1	1	0	0	1	0	0	1	1	1	0	0
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	1	1	0	1	1	0	1	0	1	0	0	0	0	1	1	0	0	0
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	1	1	0	1	1	1	0	0	1	1	1	0	0	0	1	1	0	0
61	No funds are required to correct inadequacies.	0	1	1	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Less than 5% of utilized floor space is leased.	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1
65	Less than 25% of plant account space is assigned to tenants.	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0
66	10,000 to 49,999 sqft of existing Government owned space is available f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
68	More than 100,000 sqft of existing Government owned space is availabl	0	1	1	0	1	1	0	1	0	1	0	1	0	0	1	1	0	0	0
69	10,000 to 49,999 sqft of Government owned space can be constructed	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be construct	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for exp	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	0	1	1	1	1	0	1	1	1	0	0	0	0	0	1	1	1	0	0
79	Expansion is not constrained by radio frequency limitations.	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	1	1	0	0
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	1	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0
82	More than 500 acres with roads and utilities available for expansion.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1	1	1	0	0
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	1	1	0	1	1	1	1	1	0	1	1	0	0	1	1	1	0	0
87	Site has revenue producing resources.	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	0.000	6.366	4.664	0.000	4.387	4.005	3.205	2.148	1.577	2.954	1.879	5.261	2.305	1.577	6.559	3.406	7.609	0.000	2.983
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	1	0	0
89	Site operates an operational air field that supports high performance ai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 n	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive v	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
95	Real time data interconnectivity is achieved with other sites.	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
96	Production is accomplished at this site.	0	1	1	0	1	0	0	0	0	0	0	1	1	0	1	0	1	0	0
97	Site has a real time Video Teleconferencing Center.	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1	1	1	0	0
98	Officially assigned mobilization responsibility.	0	1	1	0	1	1	1	0	0	1	0	1	1	0	1	1	1	0	1
99	Adequate facilities available to support mobilization responsibilities.	0	1	1	0	1	1	1	0	0	1	0	1	1	0	1	1	1	0	1
100	Site maintains production facilities to be activated for contingencies.	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC				LOGCEN	EOD
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Huene	Cardrck	Annap	Philly	Bayview	Indn Hd	Yorktwn	HQ	Newpt	N Lond	Keyport	Mechan	Tech Ct
101	Site supports Reserve Unit mobilization responsibilities.	0	1	1	0	1	1	1	0	0	1	0	1	0	0	1	1	1	0	1
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or e	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0
105	Seaspace/undersea range(s) has no limiting (current or future) encroac	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment o	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	MANPOWER	0.000	3.694	3.694	0.000	6.038	5.250	3.870	6.000	5.760	4.157	2.693	4.995	3.229	2.370	6.856	7.694	3.520	1.926	3.313
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 an	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 an	0	1	0	0	0	1	1	1	0	1	1	1	1	0	0	0	0	1	0
117	Average civilian technical staff years of experience is greater than 11 a	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0
118	Average civilian technical staff years of experience is greater than 13 a	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and l	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
122	Average civilian technical staff education level is greater than 14 and l	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	1	0
123	Average civilian technical staff education level is greater than 15 and l	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0
124	Average civilian technical staff education level is greater than 16.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
125	Average # of articles published over last 4 years per 100 technical staff i	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
126	Average # of articles published over last 4 years per 100 technical staff i	0	1	1	0	1	1	1	0	0	1	1	1	1	0	1	1	1	0	0
127	Books/chapters written over last 4 years per 100 technical staff is in the t	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0
128	Books/chapters written over last 4 years per 100 technical staff is in the r	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0
131	Average # of awards over the last 4 years per 100 technical staff is in the	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	1	1	0	0
132	Patents granted over last 4 years per 100 technical staff is in the top 25%	0	0	0	0	0	1	0	1	1	0	1	1	0	0	1	1	0	0	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1
134	Patents applied for over last 4 years per 100 technical staff is in the top 2	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	0	0	0
135	Patents applied for over last 4 years per 100 technical staff is in the next	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	0	1	0	1	1	1	0	1	0	0	1	1	0	0	0
141	Number of major end item prototypes currently in use is in the next 25%.	0	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	1
	LOCATION/ENVIRONMENT	3.194	2.137	1.810	2.661	2.951	3.455	3.052	2.602	2.669	1.713	5.751	2.104	1.209	3.194	3.241	3.341	4.165	1.712	2.104
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
143	Location has natural features that are essential to the mission of the fac	0	0	0	1	1	1	1	0	1	0	1	0	0	0	1	1	1	0	0
144	Location enhances synergy with other activities and bases.	1	0	0	0	1	1	1	0	0	0	0	1	0	1	1	1	1	0	1
145	Location enhances joint use capability.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
147	Location is important to customers.	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
148	Site has no endangered/threatened species and biological habitats tho	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149	Site has no jurisdictional wetlands that currently restrict base operations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC				LOGCEN	EOD
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Huene	Cardrck	Annap	Phily	Bayview	Indn Hd	Yorktwn	HQ	Newpt	N Lond	Keyport	Mechan	Tech Ct
151	Base ops or development plans are not constrained by laws applying to	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO	0	1	0	1	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0
153	Site operations or development plans have not been restricted due to	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0
154	Site has no installation Restoration issues that restrict operations or devel	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	3.991	4.637	3.567	0.222	4.388	5.754	4.686	4.086	5.008	6.526	3.567	5.405	4.293	6.874	6.874	4.234	6.599	4.732	6.606
156	Is there sufficient off base housing?	0	1	1	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1
157	Do 90% or more of the housing units have all the required amenities?	1	0	1	0	0	1	0	1	1	1	1	1	1	0	0	0	1	0	1
160	Is the average wait for housing three months or less?	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1
163	Are 90% of BEQ rooms adequate?	0	1	0	0	1	1	0	0	1	1	0	1	0	0	0	0	1	0	1
165	Are 90% of BOQ rooms adequate?	1	1	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	0
166	Does the site have >90% of the listed MWR facilities?	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	0	1
169	Are >90% of the child care facilities adequate?	1	0	0	0	1	0	1	0	0	1	0	1	1	1	1	0	1	1	1
172	Is the average wait for 0-12 month child care <180 days?	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	1	0
177	Do >50% of site military and civilian personnel live within a 30 minute co	0	0	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	0
178	Are local area educational institution programs adequate for military fa	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
184	Do military family members have reasonable access to medical/denta	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
185	Is the violent crime rate <758/100,000?	0	1	1	1	1	0	1	0	0	1	1	0	1	0	0	1	1	1	0
186	Is the property crime rate <4902/100,00?	1	1	1	1	1	0	1	1	0	1	1	1	0	0	0	1	1	1	1
187	Is the drug crime rate <402/100,000?	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	COST	0.519	1.185	0.889	0.000	1.185	1.185	1.185	0.889	0.889	1.037	1.037	1.037	1.037	0.667	1.185	1.037	1.037	1.185	0.889
188	Percent of all employees employed in technical operations is more tha	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
189	Percent of all employees employed in technical opertions is between 7	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1
190	Percent of all employees employed in technical opertions is between 5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
191	Percent of all employees employed in technical opertions is between 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Percent of all employees employed in technical opertions is less than 3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
193	Percent of overhead performed by government civilians is greater tha	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Percent of overhead performed by government civilians is between 70	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30	0	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0
197	Percent of overhead performed by government civilians is less than 30.	0	0	1	0	0	0	1	1	1	1	1	0	1	0	1	1	1	0	1
198	Percent of technical operations performed by government civilians is	0	0	1	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1
199	Percent of tech. operations performed by government civilians is betw	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0
200	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0
201	Percent of tech. operations performed by government civilians is betw	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0
202	Percent of tech. operations performed by government civilians is less th	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LOSS IMPACT	0.000	1.650	0.942	0.000	2.000	1.751	1.899	1.254	1.004	1.043	0.296	1.650	0.148	0.000	1.753	1.751	1.191	0.498	0.148
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simula	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetim	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifet	0	1	1	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT	0	1	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0
208	Directly impact future naval force development (500 or higher WYs in R	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0
209	Loss of activity adversely affects top 25% of technical mission areas.	0	1	1	0	1	0	1	1	0	0	0	1	0	0	1	1	1	0	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
		8.30	38.58	31.16	5.77	45.47	37.64	31.45	35.83	27.75	26.19	18.70	38.31	15.30	15.35	50.62	34.86	37.73	12.76	18.27

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NOC	Prof. Off. Seasp.	AEGIS Wallops	NWAD Corona	OPSUP Moorest	CINCLANTFLT Norfolk	CINCLANTFLT NorDet	CINCLANTFLT Maypt	NSEACEN S Diego	NSEACEN Pearl H	PMRF	AFWTF	Naval Air Warfare Center HQ	China L	Pt Mugu	Indy	Pax Rtv	Warmin	Oreland
	MISSION STATEMENT	1.543	1.638	5.496	0.498	6.385	1.545	1.545	1.545	1.045	1.045	1.918	1.608	1.959	11.234	11.234	4.062	11.234	3.193	1.407
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
2	Includes total systems responsibility.	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0
3	Includes sub-system/component responsibility.	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1
4	Includes systems integration responsibility.	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0
5	Includes component integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
6	Includes research.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
7	Includes development.	0	1	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	1	0
8	Includes test and evaluation.	0	0	1	0	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1
9	Includes procurement/acquisition.	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0
10	Includes in-service engineering.	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0
11	Includes support to direct formal training of naval forces.	0	0	1	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0
12	A naval surface warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	A naval air warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	A naval research laboratory activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	TECHNICAL FUNCTIONS	0.000	0.000	0.296	0.971	0.296	3.143	1.809	1.513	0.772	0.000	0.097	0.000	0.000	7.669	8.021	7.217	7.809	0.295	0.000
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM IN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
23	Include a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
25	Include a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION	0	0	0	1	0	1	0	0	1	0	1	0	0	1	1	1	1	0	0
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Include a minimum of 100 in-house technical WYs in BASIC RESEARCH (I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (R	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & D	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULAT	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-hous	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS		Prj. Off.	AEGIS	NWAD	OPSUP	CINCLANTFLT			NSEACEN				Naval Air Warfare Center						
		NOC	Seasp.	Wallops	Corona	Moorest	Norfolk	NorDet	Maypt	S Diego	Pearl H	PMRF	AFWTF	HQ	China L	Pt Mugu	Indy	Pax Riv	Warmin	Oreland
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
52	Technical functions are performed for aircraft.	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	0
53	Technical functions are performed for submarines.	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0
54	Technical functions are performed for surface ships.	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0
55	Technical functions are performed for command, control and ocean s	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0
	FACILITIES	0.146	0.000	4.338	7.150	4.814	0.498	0.148	0.148	0.146	0.148	5.417	1.545	0.000	7.458	6.761	7.009	3.840	3.468	3.227
56	Facility is a host activity.	0	0	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	0
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	0	1	1	1	0	0	0	0	0	1	0	0	0	1	1	0	1	1
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
61	No funds are required to correct inadequacies.	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
64	Less than 5% of utilized floor space is leased.	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	1
65	Less than 25% of plant account space is assigned to tenants.	0	0	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1
66	10,000 to 49,999 sqft of existing Government owned space is available f	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
67	50,000 to 100,000 sqft of existing Government owned space is available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
68	More than 100,000 sqft of existing Government owned space is availabl	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
69	10,000 to 49,999 sqft of Government owned space can be constructed	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
70	50,000 to 100,000 sqft of Government owned space can be constructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be construct	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for exp	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	1	0	1
79	Expansion is not constrained by radio frequency limitations.	0	0	0	1	1	0	0	0	0	0	1	1	0	1	1	0	1	0	1
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
82	More than 500 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	0
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	0	0	1	1	1	0	0	0	0	0	1	0	0	1	1	0	1	1	1
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	0	1	0	0
87	Site has revenue producing resources.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	1.092	0.000	1.826	2.226	1.677	2.083	2.083	2.083	0.000	0.000	4.626	4.675	1.826	9.734	10.137	4.030	7.466	0.000	0.000
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Site operates an operational air field that supports high performance ai	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 n	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive v	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0
95	Real time data interconnectivity is achieved with other sites.	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0
96	Production is accomplished at this site.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
97	Site has a real time Video Teleconferencing Center.	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
98	Officially assigned mobilization responsibility.	1	0	0	1	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0
99	Adequate facilities available to support mobilization responsibilities.	1	0	0	1	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0
100	Site maintains production facilities to be activated for contingencies.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NOC	Proj. Off. Seasp.	AEGIS Wallops	NWAD Corona	OPSUP Moorestn	CINCLANTFLT Norfolk	CINCLANTFLT NorDet	CINCLANTFLT Maypt	NSEACEN S Diego	NSEACEN Pearl H	PMRF	AFWTF	Naval Air Warfare Center HQ	Naval Air Warfare Center China L	Naval Air Warfare Center Pt Mugu	Naval Air Warfare Center Indy	Naval Air Warfare Center Pax Riv	Naval Air Warfare Center Warmin	Naval Air Warfare Center Oreland
101	Site supports Reserve Unit mobilization responsibilities.	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
105	Seaspace/undersea range(s) has no limiting (current or future) encroac	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MANPOWER	0.000	2.370	2.816	2.868	1.926	1.556	0.815	1.111	0.741	0.741	3.000	2.379	0.000	7.205	5.967	4.550	6.593	2.815	0.000
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 ar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
116	Average civilian technical staff years of experience is greater than 9 ar	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
117	Average civilian technical staff years of experience is greater than 11 a	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
118	Average civilian technical staff years of experience is greater than 13 a	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and l	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
122	Average civilian technical staff education level is greater than 14 and l	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0
123	Average civilian technical staff education level is greater than 15 and l	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
124	Average civilian technical staff education level is greater than 16.	0	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0
125	Average # of articles published over last 4 years per 100 technical staff i	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
126	Average # of articles published over last 4 years per 100 technical staff i	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
127	Books/chapters written over last 4 years per 100 technical staff is in the t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
128	Books/chapters written over last 4 years per 100 technical staff is in the r	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
131	Average # of awards over the last 4 years per 100 technical staff is in the	0	0	0	1	0	1	1	1	0	0	1	0	0	1	1	0	0	0	0
132	Patents granted over last 4 years per 100 technical staff is in the top 25%	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
134	Patents applied for over last 4 years per 100 technical staff is in the top 2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
135	Patents applied for over last 4 years per 100 technical staff is in the next	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
141	Number of major end item prototypes currently in use is in the next 25%.	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	LOCATION/ENVIRONMENT	1.511	2.366	3.850	1.713	2.306	2.993	3.094	3.194	1.796	2.501	3.751	3.550	2.306	4.965	4.163	1.936	3.077	2.460	2.460
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0
143	Location has natural features that are essential to the mission of the fac	0	0	1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1
144	Location enhances synergy with other activities and bases.	0	1	0	0	1	1	1	1	0	0	0	0	1	1	1	0	1	0	0
145	Location enhances joint use capability.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0
147	Location is important to customers.	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
148	Site has no endangered/threatened species and biological habitats tha	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
149	Site has no jurisdictional wetlands that currently restrict base operations	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NOC	Proj. Ctr. Seasp.	AEGIS Wallops	NWAD Corona	OPSUP Moorest	CINCLANTFLT Norfolk	CINCLANTFLT NorDet	CINCLANTFLT Maypt	NSEACEN S Diego	NSEACEN Pearl H	PMRF	AFWTF	Naval Air Warfare Center HQ	Naval Air Warfare Center China L	Naval Air Warfare Center Pt Mugu	Naval Air Warfare Center Indy	Naval Air Warfare Center Pax Riv	Naval Air Warfare Center Warmin	Naval Air Warfare Center Oreland
151	Base ops or development plans are not constrained by laws applying to	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
152	Site is in an 'attainment' or 'maintenance' air quality control area for C	0	0	1	0	0	0	1	0	0	1	1	1	0	0	0	0	1	0	0
153	Site operations or development plans have not been restricted due to c	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
154	Site has no Installation Restoration Issues that restrict operations or devel	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	6.605	3.991	6.632	3.043	2.921	3.245	3.246	6.999	5.192	6.629	5.082	8.419	3.991	8.765	5.156	4.907	7.271	6.400	0.148
156	Is there sufficient off base housing?	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0
157	Do 90% or more of the housing units have all the required amenities?	1	1	1	0	0	0	0	1	0	1	1	1	1	1	0	1	1	1	0
160	Is the average wait for housing three months or less?	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
163	Are 90% of BEQ rooms adequate?	1	0	1	0	0	0	0	1	1	0	1	0	0	1	1	0	1	1	0
165	Are 90% of BOQ rooms adequate?	0	1	1	0	0	0	0	1	1	0	0	0	1	1	0	0	1	1	0
166	Does the site have >90% of the listed MWR facilities?	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0
169	Are >90% of the child care facilities adequate?	1	1	0	0	0	1	1	1	0	1	1	0	1	1	0	0	1	1	0
172	Is the average wait for 0-12 month child care <180 days?	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0
177	Do >50% of site military and civilian personnel live within a 30 minute co	0	0	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1	0
178	Are local area educational institution programs adequate for military fa	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
179	Are there educational opportunities at all college levels within a 30-mile	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0
180	Are college education courses available on the base?	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0
184	Do military family members have reasonable access to medical/denta	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
185	Is the violent crime rate <758/100,000?	0	0	1	0	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1
186	Is the property crime rate <4902/100,00?	1	1	1	0	1	0	0	0	0	0	1	0	1	1	1	0	1	1	1
187	Is the drug crime rate <402/100,000?	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0
	COST	0.519	1.037	0.889	1.333	1.037	0.889	1.037	1.037	0.889	1.037	0.889	0.889	0.519	1.185	1.185	1.037	1.037	1.185	0.000
188	Percent of all employees employed in technical operations is more tha	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
189	Percent of all employees employed in technical opertions is between 7	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	0	0	0
190	Percent of all employees employed in technical opertions is between 5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
191	Percent of all employees employed in technical opertions is between 3	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
192	Percent of all employees employed in technical opertions is less than 3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
193	Percent of overhead performed by government civilians is greater thar	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
194	Percent of overhead performed by government civilians is between 70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
197	Percent of overhead performed by government civilians is less than 30.	0	0	0	1	0	1	1	1	1	1	0	0	0	1	1	1	0	1	0
198	Percent of technical operations performed by government civilians is g	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0
199	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0
200	Percent of tech. operations performed by government civilians is betw	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
201	Percent of tech. operations performed by government civilians is betw	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	Percent of tech. operations performed by government civilians is less th	1	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	LOSS IMPACT	0.000	0.000	0.545	0.249	0.296	0.794	0.498	0.498	0.498	0.000	0.545	0.545	0.000	2.000	2.000	1.899	2.000	0.188	0.296
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulatior	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simula	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetim	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifet	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
208	Directly impact future naval force development (500 or higher WYs in R	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		11.36	11.34	25.29	20.06	21.46	16.74	14.27	18.13	11.02	11.00	26.15	20.53	9.73	59.61	54.62	36.66	51.17	19.97	7.54

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	Lakehst	NAESU	NATSF	NATSD	SPAWAR HQ	SPAWAR RDT&E	SPAWAR Warmin	SPAWAR Chston	SPAWAR Norfolk	SPAWAR S Diego	SPAWAR Pearl H	SPAWAR NTRO	SPAWAR NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV
	MISSION STATEMENT	5.740	0.749	1.119	8.656	0.667	10.440	6.268	1.933	2.411	1.913	2.931	0.879	2.284	4.667	2.693	3.513	2.284	2.034	1.916
1	Includes full-spectrum life cycle responsibility.	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
2	Includes total systems responsibility.	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
3	Includes sub-system/component responsibility.	1	0	0	1	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0
4	Includes systems integration responsibility.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Includes component integration responsibility.	1	0	0	1	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0
6	Includes research.	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0
7	Includes development.	1	0	0	1	0	1	1	0	0	0	0	0	1	1	1	0	1	1	0
8	Includes test and evaluation.	1	0	0	1	0	1	1	0	0	0	1	0	1	0	1	0	0	0	1
9	Includes procurement/acquisition.	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10	Includes in-service engineering.	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	0	1	0	0
11	Includes support to direct formal training of naval forces.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
12	A naval surface warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	A naval air warfare activity.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
16	A naval research laboratory activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	Includes joint/lead service assignments..	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	1	1	1
	TECHNICAL FUNCTIONS	1.735	0.000	0.444	2.254	0.000	7.735	1.852	2.772	3.069	3.459	2.476	0.000	1.852	7.864	0.276	3.252	1.513	1.185	0.000
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEIL	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0
23	Inlcude a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	1	0	1	1	1	1	0	1	1	0	0	0	0	0
25	Inlcude a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	1	1	0
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOL	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
29	Inlcude a minimum of 100 in-house technical WYs in BASIC RESEARCH (	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (R	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & D	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	1	0	1	1	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	1	0	0	1	0	1	0	1	1	1	1	0	0	0	0	0	1	0	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATI	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WY	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	1	0	1	1	1	1	0	1	0	0	0	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is =>	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-hous	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	Lakehst	NAESU	NATSF	NATSD	SPAWAR HQ	RDT&E	Warmin	Chston	Norfolk	S Diego	Pearl H	NTRO	NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
52	Technical functions are performed for aircraft.	1	0	0	1	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0
53	Technical functions are performed for submarines.	0	0	0	1	0	1	1	1	1	1	0	0	0	1	1	1	0	1	0
54	Technical functions are performed for surface ships.	0	0	0	1	0	1	1	1	1	1	1	0	0	1	0	1	0	1	0
55	Technical functions are performed for command, control and ocean su	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	1	1	0	0
	FACILITIES	7.431	0.148	0.148	5.456	2.620	6.426	0.896	0.401	0.300	1.026	0.148	0.000	0.269	6.297	4.464	0.000	2.170	0.397	1.541
56	Facility is a host activity.	1	0	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	1	0	0	1	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0
61	No funds are required to correct inadequacies.	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Less than 5% of utilized floor space is leased.	1	1	1	0	1	1	1	0	1	0	1	0	0	1	1	0	0	1	1
65	Less than 25% of plant account space is assigned to tenants.	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	1
66	10,000 to 49,999 sqft of existing Government owned space is available f	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	More than 100,000 sqft of existing Government owned space is availabl	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
69	10,000 to 49,999 sqft of Government owned space can be constructed	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be construct	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansio	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for expa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
79	Expansion is not constrained by radio frequency limitations.	1	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
82	More than 500 acres with roads and utilities available for expansion.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	1	0	0	1	1	1	0	0	0	1	0	0	0	1	1	0	1	0	0
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	1	0	0	1	0	1	1	1	0	1	0	0	1	1	1	0	1	1	0
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
87	Site has revenue producing resources.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	4.452	0.000	1.678	1.678	1.577	5.405	1.577	2.337	2.450	2.956	1.577	0.000	1.577	2.533	0.000	1.577	1.051	1.981	1.577
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Site operates an operational air field that supports high performance ai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 n	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive v	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1
95	Real time data interconnectivity is achieved with other sites.	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
96	Production is accomplished at this site.	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Site has a real time Video Teleconferencing Center.	1	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	0
98	Officially assigned mobilization responsibility.	1	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0
99	Adequate facilities available to support mobilization responsibilities.	1	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0
100	Site maintains production facilities to be activated for contingencies.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	Lakehst	NAESU	NATSF	NATSD	SPAWAR HQ	SPAWAR RDT&E	SPAWAR Warmin	SPAWAR Chston	SPAWAR Norfolk	SPAWAR S Diego	SPAWAR Pearl H	SPAWAR NTRO	SPAWAR NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV
101	Site supports Reserve Unit mobilization responsibilities.	1	0	1	1	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Seaspace/undersea range(s) has no limiting (current or future) encroac	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	MANPOWER	4.045	1.037	1.185	4.350	0.000	6.706	4.127	2.222	1.481	1.778	2.074	2.074	0.741	6.189	3.831	4.444	5.538	3.019	2.519
111	Total civilians on board is between 1000 and 1999.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 ar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 an	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
117	Average civilian technical staff years of experience is greater than 11 a	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0
118	Average civilian technical staff years of experience is greater than 13 a	0	0	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0
119	Average civilian technical staff years of experience is greater than 15.	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and l	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
122	Average civilian technical staff education level is greater than 14 and l	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0
123	Average civilian technical staff education level is greater than 15 and l	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
124	Average civilian technical staff education level is greater than 16.	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1
125	Average # of articles published over last 4 years per 100 technical staff i	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0
126	Average # of articles published over last 4 years per 100 technical staff i	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
127	Books/chapters written over last 4 years per 100 technical staff is in the t	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0
128	Books/chapters written over last 4 years per 100 technical staff is in the r	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0
131	Average # of awards over the last 4 years per 100 technical staff is in the	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
132	Patents granted over last 4 years per 100 technical staff is in the top 25%	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0
134	Patents applied for over last 4 years per 100 technical staff is in the top 2	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0
135	Patents applied for over last 4 years per 100 technical staff is in the next	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
137	# of CRDAs signed by the Activity s over 10.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0
141	Number of major end item prototypes currently in use is in the next 25%	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
	LOCATION/ENVIRONMENT	1.935	1.713	1.715	2.722	3.194	2.157	2.460	1.914	3.194	3.194	4.895	3.194	2.308	3.194	2.563	3.194	2.692	2.092	1.914
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Location has natural features that are essential to the mission of the fac	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0
144	Location enhances synergy with other activities and bases.	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	1	0	1	0
145	Location enhances joint use capability.	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
147	Location is important to customers.	0	0	0	0	1	0	0	0	1	1	1	1	0	1	0	1	0	0	0
148	Site has no endangered/threatened species and biological habitats tha	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1
149	Site has no jurisdictional wetlands that currently restrict base operations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	Lakehst	NAESU	NATSF	NATSD	SPAWAR HQ	SPAWAR RDT&E	SPAWAR Warmin	SPAWAR Chston	SPAWAR Norfolk	SPAWAR S Diego	SPAWAR Pearl H	SPAWAR NTRO	SPAWAR NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV
151	Base ops or development plans are not constrained by laws applying to	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1
153	Site operations or development plans have not been restricted due to	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154	Site has no Installation Restoration issues that restrict operations or devel	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	7.197	3.911	3.911	3.265	4.759	4.759	6.400	6.575	3.887	5.132	5.629	2.901	4.199	3.991	2.621	3.991	4.658	4.759	3.245
156	Is there sufficient off base housing?	1	0	0	1	0	0	1	1	0	0	1	1	1	0	1	0	1	0	1
157	Do 90% or more of the housing units have all the required amenities?	0	1	1	0	0	0	1	1	0	0	1	1	1	1	0	1	0	0	0
160	Is the average wait for housing three months or less?	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
163	Are 90% of BEQ rooms adequate?	1	0	0	0	1	1	1	1	0	1	0	0	1	0	0	0	0	1	0
165	Are 90% of BOQ rooms adequate?	1	0	0	0	1	1	1	0	1	1	0	0	1	1	0	1	0	1	0
166	Does the site have >90% of the listed MWR facilities?	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
169	Are >90% of the child care facilities adequate?	1	1	1	0	1	1	1	0	1	0	1	0	0	1	0	1	1	1	1
172	Is the average wait for 0-12 month child care <180 days?	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
177	Do >50% of site military and civilian personnel live within a 30 minute co	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0
178	Are local area educational institution programs adequate for military fa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
184	Do military family members have reasonable access to medical/denta	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1
185	Is the violent crime rate <758/100,000?	1	1	1	0	0	0	1	0	1	0	1	0	1	0	0	0	1	0	1
186	Is the property crime rate <4902/100,00?	0	1	1	0	0	0	1	0	0	0	0	1	0	1	0	1	1	0	0
187	Is the drug crime rate <402/100,000?	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	COST	0.889	0.667	0.889	0.889	0.296	1.037	1.333	0.889	0.889	1.037	0.889	0.667	0.889	0.667	0.667	0.889	0.889	1.185	0.667
188	Percent of all employees employed in technical operations is more tha	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
189	Percent of all employees employed in technical operations is between 7	0	0	1	0	0	1	0	1	1	1	1	0	1	1	1	0	0	0	0
190	Percent of all employees employed in technical operations is between 5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
191	Percent of all employees employed in technical operations is between 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Percent of all employees employed in technical operations is less than 3	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
193	Percent of overhead performed by government civilians is greater thar	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
194	Percent of overhead performed by government civilians is between 70	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
197	Percent of overhead performed by government civilians is less than 30	0	0	1	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0
198	Percent of technical operations performed by government civilians is g	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0
199	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
200	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
201	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
202	Percent of tech. operations performed by government civilians is less th	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	LOSS IMPACT	1.502	0.000	0.000	0.794	0.000	2.000	0.296	0.794	0.498	0.498	0.498	0.000	0.148	1.502	0.296	0.708	1.899	1.004	0.000
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulatior	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simula	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetim	1	0	0	1	0	1	0	1	1	0	1	0	0	0	0	0	1	0	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifet	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
208	Directly impact future naval force development (500 or higher WYs in R	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
		34.95	8.22	11.09	30.07	13.11	46.67	25.20	19.81	18.13	20.97	19.52	9.21	14.24	38.50	17.83	18.58	22.68	19.57	12.48

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NCTRF	BUMED Bethsda	S Diego	Pcola	N Orlns	Groton	GLakes	AVG./ no.
	MISSION STATEMENT	6.592	1.556	1.556	1.556	1.037	1.037	2.055	3.404
1	Includes full-spectrum life cycle responsibility.	1	0	0	0	0	0	0	12
2	Includes total systems responsibility.	0	0	0	0	0	0	0	16
3	Includes sub-system/component responsibility.	1	0	0	0	0	0	0	38
4	Includes systems integration responsibility.	0	0	0	0	0	0	0	7
5	Includes component integration responsibility.	0	0	0	0	0	0	0	11
6	Includes research.	1	1	1	1	1	1	1	27
7	Includes development.	1	1	1	1	1	1	1	33
8	Includes test and evaluation.	1	1	1	1	0	0	1	36
9	Includes procurement/acquisition.	0	0	0	0	0	0	0	11
10	Includes in-service engineering.	1	0	0	0	0	0	0	39
11	Includes support to direct formal training of naval forces.	0	0	0	0	0	0	0	9
12	A naval surface warfare activity.	0	0	0	0	0	0	0	13
13	A naval air warfare activity.	0	0	0	0	0	0	0	8
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	4
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	7
16	A naval research laboratory activity.	0	0	0	0	0	0	0	2
17	Includes joint/lead service assignments..	1	0	0	0	0	0	1	25
	TECHNICAL FUNCTIONS	0.000	1.097	0.000	0.000	0.000	0.593	0.000	2.181
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	0	0	8
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS	0	0	0	0	0	0	0	13
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM IN	0	0	0	0	0	0	0	9
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIO	0	0	0	0	0	0	0	3
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEI	0	0	0	0	0	0	0	11
23	Include a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	1
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	0	0	8
25	Include a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	0	0	0	10
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGR	0	0	0	0	0	0	0	2
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION	0	1	0	0	0	0	0	23
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOL	0	0	0	0	0	0	0	2
29	Include a minimum of 100 in-house technical WYs in BASIC RESEARCH (	0	0	0	0	0	0	0	1
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (R	0	1	0	0	0	0	0	15
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & D	0	0	0	0	0	0	0	13
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	0	0	0	0	0	0	23
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	0	0	0	0	0	0	27
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULAT	0	0	0	0	0	0	0	6
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	6
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	9
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is	0	0	0	0	0	0	0	6
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is =	0	0	0	0	0	0	0	3
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WY	0	0	0	0	0	0	0	6
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	5
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	7
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	7
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	6
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5	0	0	0	0	0	0	0	5
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is =	0	0	0	0	0	0	0	5
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%	0	1	0	0	0	0	0	3
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %	0	0	0	0	0	0	0	7
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-hous	0	0	0	0	0	0	0	4
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	7
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	6

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NCTRF	BUMED Bethsda	S Diego	Pcola	N Orlns	Groton	GLakes	AVG./ no.
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	5
52	Technical functions are performed for aircraft.	0	0	0	0	0	0	0	17
53	Technical functions are performed for submarines.	0	0	0	0	0	1	0	27
54	Technical functions are performed for surface ships.	0	0	0	0	0	0	0	28
55	Technical functions are performed for command, control and ocean s	0	0	0	0	0	1	0	24
	FACILITIES	0.146	1.268	0.146	0.096	2.051	0.397	0.146	2.802
56	Facility is a host activity.	0	0	0	0	0	0	0	26
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	3
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	0	0	0	1	0	0	21
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	3
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	0	0	0	1	0	0	24
61	No funds are required to correct inadequacies.	0	0	0	0	1	0	0	16
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000	0	1	0	0	0	0	0	5
64	Less than 5% of utilized floor space is leased.	1	0	1	1	0	1	1	47
65	Less than 25% of plant account space is assigned to tenants.	0	1	0	0	0	0	0	29
66	10,000 to 49,999 sqft of existing Government owned space is available f	0	0	0	0	0	0	0	3
67	50,000 to 100,000 sqft of existing Government owned space is available	0	0	0	0	0	0	0	3
68	More than 100,000 sqft of existing Government owned space is availabl	0	0	0	0	0	0	0	14
69	10,000 to 49,999 sqft of Government owned space can be constructed	0	0	0	0	0	0	0	6
70	50,000 to 100,000 sqft of Government owned space can be constructe	0	0	0	0	0	0	0	1
71	More than 100,000 sqft of Government owned space can be construct	0	0	0	0	0	0	0	10
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	0	7
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	0	0	0	8
75	250 to 499 unimproved & unencumbered acres available for expansion	0	0	0	0	0	0	0	2
76	500 to 1000 unimproved & unencumbered acres available for expansio	0	0	0	0	0	0	0	1
77	More than 1,000 unimproved & unencumbered acres available for exp	0	0	0	0	0	0	0	3
78	Expansion is not constrained by parking limitations.	0	0	0	0	0	0	0	21
79	Expansion is not constrained by radio frequency limitations.	0	0	0	0	0	0	0	22
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	5
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	9
82	More than 500 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	4
83	Site utilizes less than 70% of its utility capacity.	0	0	0	0	0	0	0	28
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	0	1	0	1	1	1	0	38
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,	0	1	0	1	0	0	0	7
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	0	0	0	0	0	0	23
87	Site has revenue producing resources.	0	0	0	0	0	0	0	5
	RANGES, FEATURES AND OTHER CAPABILITIES	1.676	0.102	1.577	1.577	1.991	1.577	1.577	2.589
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	0	5
89	Site operates an operational air field that supports high performance ai	0	0	0	0	0	0	0	3
90	Site has ordnance storage capacity between 500,000 and 999,999 net e	0	0	0	0	0	0	0	1
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 n	0	0	0	0	0	0	0	4
92	Site has ordnance storage capacity is at least 10,000,000 net explosive v	0	0	0	0	0	0	0	4
93	Facility has a super computer or parallel computer on site.	0	0	0	0	0	0	0	4
94	Data transfer across the site is supported by a high speed network.	1	0	1	1	1	1	1	50
95	Real time data interconnectivity is achieved with other sites.	1	0	1	1	1	1	1	50
96	Production is accomplished at this site.	0	0	0	0	0	0	0	12
97	Site has a real time Video Teleconferencing Center.	0	0	0	0	0	0	0	21
98	Officially assigned mobilization responsibility.	0	0	0	0	1	0	0	28
99	Adequate facilities available to support mobilization responsibilities.	0	0	0	0	1	0	0	28
100	Site maintains production facilities to be activated for contingencies.	0	0	0	0	0	0	0	10

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NCTRF	BUMED Bethsda	S Diego	Pcola	N Orlns	Groton	GLakes	AVG./ no.
101	Site supports Reserve Unit mobilization responsibilities.	1	1	0	0	0	0	0	28
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	5
103	Airspace range(s) has no limiting (current or future) encroachment or e	0	0	0	0	0	0	0	4
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	0	0	8
105	Seaspace/undersea range(s) has no limiting (current or future) encroac	0	0	0	0	0	0	0	7
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	2
107	Landspace range(s) has no limiting (future or current) encroachment o	0	0	0	0	0	0	0	1
108	Site has range facilities that are used for fleet tactical training.	0	0	0	0	0	0	0	9
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	5
110	At least 100,000 man hours of depot/industrial maintenance performed	0	0	0	0	0	0	0	7
	MANPOWER	3,908	4,519	4,498	5,090	2,815	2,868	4,202	3,921
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	0	0	5
112	Total civilians on board is between 2000 and 3,999.	0	0	0	0	0	0	0	11
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	2
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 an	0	0	0	0	0	1	0	2
116	Average civilian technical staff years of experience is greater than 9 an	1	0	0	1	1	0	1	20
117	Average civilian technical staff years of experience is greater than 11 a	0	1	1	0	0	0	0	16
118	Average civilian technical staff years of experience is greater than 13 a	0	0	0	0	0	0	0	13
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	0	0	7
120	Average civilian technical staff education level is less than 13.	0	0	0	0	0	0	0	6
121	Average civilian technical staff education level is greater than 13 and l	0	0	0	0	0	0	0	8
122	Average civilian technical staff education level is greater than 14 and l	0	0	0	0	0	0	0	13
123	Average civilian technical staff education level is greater than 15 and l	1	1	0	0	1	0	0	14
124	Average civilian technical staff education level is greater than 16.	0	0	1	1	0	1	1	17
125	Average # of articles published over last 4 years per 100 technical staff i	1	1	1	1	1	1	1	15
126	Average # of articles published over last 4 years per 100 technical staff i	0	0	0	0	0	0	0	21
127	Books/chapters written over last 4 years per 100 technical staff is in the t	1	0	1	0	1	0	0	15
128	Books/chapters written over last 4 years per 100 technical staff is in the r	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	1
130	Average # of awards over last 4 years per 100 technical staff is in the top	1	0	1	1	0	0	0	15
131	Average # of awards over the last 4 years per 100 technical staff is in th	0	1	0	0	0	0	0	16
132	Patents granted over last 4 years per 100 technical staff is in the top 25%	0	1	0	1	0	0	1	16
133	Patents granted over last 4 years per 100 technical staff is in the next 25	0	0	0	0	0	0	0	9
134	Patents applied for over last 4 years per 100 technical staff is in the top 2	1	1	1	1	0	0	1	19
135	Patents applied for over last 4 years per 100 technical staff is in the next	0	0	0	0	0	0	0	7
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	2
137	# of CRDAs signed by the Activity is over 10.	0	1	0	0	0	0	0	5
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	1	0	0	0	13
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	0	0	0	16
141	Number of major end item prototypes currently in use is in the next 25%	1	0	1	1	0	1	1	17
	LOCATION/ENVIRONMENT	1,935	1,411	2,305	2,164	1,914	1,701	2,305	2,623
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	6
143	Location has natural features that are essential to the mission of the fac	0	0	0	0	0	0	0	21
144	Location enhances synergy with other activities and bases.	0	0	1	1	0	1	1	33
145	Location enhances joint use capability.	1	0	0	0	0	0	0	9
146	Location provides favorable weather conditions.	0	0	0	0	0	0	0	6
147	Location is important to customers.	0	0	0	0	0	0	0	18
148	Site has no endangered/threatened species and biological habitats tha	1	1	1	1	1	1	1	61
149	Site has no jurisdictional wetlands that currently restrict base operations	1	1	1	0	1	0	1	61
150	Site has no National Register cultural resources that constrain base ops (	1	0	1	1	1	0	1	60

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NCTRF	BUMED Bethsda	S Diego	Poola	N Orlns	Groton	GLakes	AVG./ no.
151	Base ops or development plans are not constrained by laws applying to	1	1	1	1	1	1	1	62
152	Site is in an "attainment" or "maintenance" air quality control area for C	0	0	0	1	1	0	0	19
153	Site operations or development plans have not been restricted due to	1	1	1	1	1	1	1	58
154	Site has no Installation Restoration issues that restrict operations or devel	1	1	1	1	1	1	1	62
155	Site has no significant maintenance dredging restrictions.	1	1	1	0	1	1	1	63
	QUALITY OF LIFE	5.135	3.991	4.759	5.505	3.265	4.412	6.525	4.741
156	Is there sufficient off base housing?	1	1	0	1	1	0	1	44
157	Do 90% or more of the housing units have all the required amenities?	0	1	0	0	0	0	1	34
160	Is the average wait for housing three months or less?	0	0	0	0	0	0	0	10
163	Are 90% of BEQ rooms adequate?	1	0	1	1	0	0	1	29
165	Are 90% of BOQ rooms adequate?	0	0	1	1	0	1	0	30
166	Does the site have >90% of the listed MWR facilities?	0	0	0	0	0	1	1	16
169	Are >90% of the child care facilities adequate?	1	1	1	1	0	1	1	41
172	Is the average wait for 0-12 month child care <180 days?	1	0	0	0	0	0	0	11
177	Do >50% of site military and civilian personnel live within a 30 minute co	1	0	1	1	1	1	1	46
178	Are local area educational institution programs adequate for military fa	1	1	1	1	1	1	1	61
179	Are there educational opportunities at all college levels within a 30-mile	1	1	1	1	1	1	1	60
180	Are college education courses available on the base?	0	1	1	1	1	1	1	55
184	Do military family members have reasonable access to medical/denta	1	1	1	1	1	0	1	57
185	Is the violent crime rate <758/100,000?	1	0	0	0	0	1	1	35
186	Is the property crime rate <4902/100,00?	1	1	0	0	0	1	1	36
187	Is the drug crime rate <402/100,000?	1	0	0	0	0	1	0	15
	COST	0.889	1.037	1.185	0.889	0.889	1.037	1.185	0.922
188	Percent of all employees employed in technical operations is more tha	0	0	0	0	0	0	0	5
189	Percent of all employees employed in technical opertions is between 7	1	1	1	0	0	1	0	33
190	Percent of all employees employed in technical opertions is between 5	0	0	0	1	1	0	1	13
191	Percent of all employees employed in technical opertions is between 3	0	0	0	0	0	0	0	3
192	Percent of all employees employed in technical opertions is less than 3	0	0	0	0	0	0	0	8
193	Percent of overhead performed by government civilians is greater tha	0	0	0	0	0	0	0	5
194	Percent of overhead performed by government civilians is between 70	0	0	0	0	0	0	0	3
195	Percent of overhead performed by government civilians is between 50	0	0	0	0	0	0	0	4
196	Percent of overhead performed by government civilians is between 30	0	0	0	1	1	0	1	15
197	Percent of overhead performed by government civilians is less than 30	1	1	1	0	0	1	0	35
198	Percent of technical operations performed by government civilians is g	1	0	0	1	1	0	0	22
199	Percent of tech. operations performed by government civilians is betw	0	0	0	0	0	1	0	11
200	Percent of tech. operations performed by government civilians is betw	0	0	1	0	0	0	1	10
201	Percent of tech. operations performed by government civilians is betw	0	1	0	0	0	0	0	8
202	Percent of tech. operations performed by government civilians is less th	0	0	0	0	0	0	0	8
	LOSS IMPACT	0.148	1.004	0.000	0.000	0.296	0.296	0.000	0.718
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulator	0	0	0	0	0	0	0	6
204	Directly impact naval force training. (40 or higher WYs in Training/Simula	0	0	0	0	0	0	0	10
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetim	0	0	0	0	0	0	0	17
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifet	0	0	0	0	0	0	0	10
207	Directly impact future naval force development. (100 to 499 WYs in RDT	0	1	0	0	0	0	0	11
208	Directly impact future naval force development (500 or higher WYs in R	0	0	0	0	0	0	0	9
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	0	0	0	0	0	16
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	1	0	0	1	1	0	19
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	1	0	0	0	0	0	0	5
		19.43	15.92	16.03	17.62	14.25	13.92	18.00	23.32

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC	
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Hueng	Cardrck	Annap	Philly	Bayview	Indn Hd	Yorktwn	HQ	Newpt
	MISSION STATEMENT	0.593	2.135	4.629	1.111	9.047	5.455	4.049	8.677	6.184	2.664	1.407	4.184	2.675	0.519	10.292
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1
2	Includes total systems responsibility.	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1
3	Includes sub-system/component responsibility.	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1
4	Includes systems integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5	Includes component integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	Includes research.	0	0	0	0	1	1	0	1	1	0	0	1	0	0	1
7	Includes development.	0	0	0	0	1	1	0	1	1	0	0	1	1	0	1
8	Includes test and evaluation.	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1
9	Includes procurement/acquisition.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
10	Includes in-service engineering.	0	1	1	0	1	0	1	1	1	1	0	1	1	0	1
11	Includes support to direct formal training of naval forces.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	A naval surface warfare activity.	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
13	A naval air warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	A naval research laboratory activity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	0	1	1	0	1	1	0	1	1	1	0	1	0	0	0
	TECHNICAL FUNCTIONS	0.000	7.844	3.558	0.796	7.813	2.846	6.064	2.815	3.564	3.198	0.295	3.755	0.000	0.000	5.661
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS.	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM INTEGRATION.	0	1	0	0	1	0	1	0	0	1	0	0	0	0	1
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIONS SUPPORT.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEILLANCE SYSTEMS.	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1
23	Include a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Include a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	1	0	0	1	1	1	0	0	0	0	1	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGRAMS.	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION SUPPORT.	0	1	0	0	1	1	0	0	0	0	0	1	0	0	1
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOLOGY BASE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Include a minimum of 100 in-house technical WYs in BASIC RESEARCH (RDT&E).	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (RDT&E).	0	1	0	0	1	1	0	1	1	0	0	0	0	0	1
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E).	0	1	0	0	1	0	1	1	0	0	0	0	0	0	1
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	1	1	0	1	1	1	1	0	1	0	1	0	0	1
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	1	1	0	1	1	1	0	0	1	0	1	0	0	1
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATION.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is => 5% .	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is => 5%.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %.	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	NAVAL SURFACE WARFARE CENTERS													NUWC	
		HQ	Crane	Lville	Sullivan	Dahlgrn	Pan City	Pt Huen	Cardrck	Annap	Philly	Bayview	Indn Hd	Yorktwn	HQ	Newpt
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Technical functions are performed for aircraft.	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
53	Technical functions are performed for submarines.	0	1	1	1	0	0	0	1	1	1	1	1	0	0	1
54	Technical functions are performed for surface ships.	0	1	1	0	1	1	1	1	1	1	0	1	0	0	0
55	Technical functions are performed for command, control and ocean surveillance.	0	1	0	0	1	0	1	0	0	0	0	1	0	0	1
	FACILITIES	0.000	9.010	8.006	1.477	7.656	7.958	2.828	8.266	3.318	2.927	3.875	6.801	0.397	6.146	5.496
56	Facility is a host activity.	0	1	1	0	1	1	0	1	1	0	0	1	0	0	1
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	1	1	0	1	1	0	1	0	1	0	0	0	0	1
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	1	1	0	1	1	1	0	0	1	1	1	0	0	0
61	No funds are required to correct inadequacies.	0	1	1	0	1	1	0	0	0	0	1	0	0	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000 and $5,000,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Less than 5% of utilized floor space is leased.	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1
65	Less than 25% of plant account space is assigned to tenants.	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1
66	10,000 to 49,999 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
68	More than 100,000 sqft of existing Government owned space is available for expansion.	0	1	1	0	1	1	0	1	0	1	0	1	0	0	1
69	10,000 to 49,999 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be constructed for expansion.	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
76	500 to 1000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for expansion.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	0	1	1	1	1	0	1	1	1	0	0	0	0	0	1
79	Expansion is not constrained by radio frequency limitations.	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	1	1	0	1	0	0	0	0	0	1	0	0	1
82	More than 500 acres with roads and utilities available for expansion.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	0	1	1	1	1	1	0	1	1	0	1	1	0	0	1
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	1	1	0	1	1	1	1	1	0	1	1	0	0	1
87	Site has revenue producing resources.	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	0.000	6.365	4.654	3.030	4.367	4.005	3.233	2.448	1.577	2.954	1.879	5.251	2.305	1.577	3.059
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1
89	Site operates an operational air field that supports high performance aircraft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net explosive wieght.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 net explosive weight.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive weight.	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1
95	Real time data interconnectivity is achieved with other sites.	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1
96	Production is accomplished at this site.	0	1	1	0	1	0	0	0	0	0	0	1	1	0	1
97	Site has a real time Video Teleconferencing Center.	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1
98	Officially assigned mobilization responsibility.	0	1	1	0	1	1	1	0	0	1	0	1	1	0	1
99	Adequate facilities available to support mobilization responsibilities.	0	1	1	0	1	1	1	0	0	1	0	1	1	0	1
100	Site maintains production facilities to be activated for contingencies.	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1

TECHNICAL CENTERS Military Value Matrix

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101	Site supports Reserve Unit mobilization responsibilities.	0	1	1	0	1	1	1	0	0	1	0	1	0	0	1
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or environmental concerns.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
105	Seaspace/undersea range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment or environmental concerns.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
110	At least 100,000 man hours of depot/industrial maintenance performed in FY 1993.	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0
	MANPOWER	0.000	3.594	3.594	0.000	4.098	8.270	3.000	4.895	5.760	4.139	2.592	4.030	3.239	2.275	6.856
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 and less than 9.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 and less than 11.	0	1	0	0	0	1	1	1	0	1	1	1	1	0	0
117	Average civilian technical staff years of experience is greater than 11 and less than 13.	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1
118	Average civilian technical staff years of experience is greater than 13 and less than 15.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and less than 14.	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
122	Average civilian technical staff education level is greater than 14 and less than 15.	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0
123	Average civilian technical staff education level is greater than 15 and less than 16.	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1
124	Average civilian technical staff education level is greater than 16.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
125	Average # of articles published over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
126	Average # of articles published over last 4 years per 100 technical staff is in the next 25%.	0	1	1	0	1	1	1	0	0	1	1	1	1	0	1
127	Books/chapters written over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
128	Books/chapters written over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	1	0	1	1	0	1	0	1	0	0
131	Average # of awards over the last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1
132	Patents granted over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	1	0	1	1	0	1	1	0	0	1
133	Patents granted over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
134	Patents applied for over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1
135	Patents applied for over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	0	1	0	1	1	1	0	1	0	0	1
141	Number of major end item prototypes currently in use is in the next 25%.	0	1	1	0	1	0	1	0	0	0	0	0	1	0	0
	LOCATION/ENVIRONMENT	3.194	2.137	1.910	2.641	2.951	3.455	3.662	2.492	2.460	1.719	4.751	2.184	1.209	3.194	3.941
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
143	Location has natural features that are essential to the mission of the facility.	0	0	0	1	1	1	1	0	1	0	1	0	0	0	1
144	Location enhances synergy with other activities and bases.	1	0	0	0	1	1	1	0	0	0	0	1	0	1	1
145	Location enhances joint use capability.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
147	Location is important to customers.	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
148	Site has no endangered/threatened species and biological habitats that restrict current operations.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149	Site has no jurisdictional wetlands that currently restrict base operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops or devlopment plans.	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1

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151	Base ops or development plans are not constrained by laws applying to environmental facilities/NPDES.	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	0	1	0	1	1	1	0	0	0	0	1	0	0	0	0
153	Site operations or development plans have not been restricted due to air quality considerations.	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1
154	Site has no Installation Restoration Issues that restrict operations or development plans.	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	3.991	4.637	2.667	0.222	4.366	5.764	4.654	4.096	5.008	6.626	3.547	6.606	4.293	6.874	6.874
156	Is there sufficient off base housing?	0	1	1	0	0	1	1	0	1	0	1	1	1	1	1
157	Do 90% or more of the housing units have all the required amenities?	1	0	1	0	0	1	0	1	1	1	1	1	1	0	0
160	Is the average wait for housing three months or less?	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
163	Are 90% of BEQ rooms adequate?	0	1	0	0	1	1	0	0	1	1	0	1	0	0	0
165	Are 90% of BOQ rooms adequate?	1	1	0	0	1	1	0	1	0	0	0	0	1	1	1
166	Does the site have >90% of the listed MWR facilities?	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
169	Are >90% of the child care facilities adequate?	1	0	0	0	1	0	1	0	0	1	0	1	1	1	1
172	Is the average wait for 0-12 month child care <180 days?	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1
177	Do >50% of site military and civilian personnel live within a 30 minute commute?	0	0	1	0	0	1	1	1	1	1	0	0	1	1	1
178	Are local area educational institution programs adequate for military family members?	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile radius?	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1
184	Do military family members have reasonable access to medical/dental facilities?	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1
185	Is the violent crime rate <758/100,000?	0	1	1	1	1	0	1	0	0	1	1	0	1	0	0
186	Is the property crime rate <4902/100,00?	1	1	1	1	1	0	1	1	0	1	1	1	0	0	0
187	Is the drug crime rate <402/100,000?	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
	COST	0.519	1.185	0.889	0.000	1.185	1.185	1.185	0.889	0.889	1.037	1.037	1.037	1.037	0.667	1.185
188	Percent of all employees employed in technical operations is more than 90.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
189	Percent of all employees employed in technical opertions is between 70 and 90.	0	1	1	0	1	1	1	1	1	1	1	0	0	0	1
190	Percent of all employees employed in technical opertions is between 50 and 70.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
191	Percent of all employees employed in technical opertions is between 30 and 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Percent of all employees employed in technical opertions is less than 30.	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
193	Percent of overhead performed by government civilians is greater than 90.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Percent of overhead performed by government civilians is between 70 and 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
195	Percent of overhead performed by government civilians is between 50 and 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30 and 50.	0	1	0	0	1	1	0	0	0	0	0	1	0	0	0
197	Percent of overhead performed by government civilians is less than 30.	0	0	1	0	0	0	1	1	1	1	1	0	1	0	1
198	Percent of technical operations performed by government civilians is greater than 90.	0	0	1	0	0	0	0	1	1	0	0	0	1	1	0
199	Percent of tech. operations performed by government civilians is between 70 and 90.	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
200	Percent of tech. operations performed by government civilians is between 50 and 70.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
201	Percent of tech. operations performed by government civilians is between 30 and 50.	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
202	Percent of tech. operations performed by government civilians is less than 30.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LOSS IMPACT	0.000	1.650	0.942	0.000	2.000	1.761	1.899	1.254	1.004	1.043	0.296	1.650	0.146	0.000	1.761
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation.)	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simulation.)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetime Support.)	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifetime Support.)	0	1	1	0	0	0	1	0	0	1	0	0	0	0	1
207	Directly impact future naval force development. (100 to 499 WYs in RDT&E.)	0	1	0	0	0	1	1	0	1	0	0	1	0	0	0
208	Directly impact future naval force development (500 or higher WYs in RDT&E.)	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
209	Loss of activity adversely affects top 25% of technical mission areas.	0	1	1	0	1	0	1	1	0	0	0	1	0	0	1
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		8.30	38.58	31.16	5.77	45.47	37.64	31.45	35.83	27.75	26.19	18.70	38.31	15.30	15.35	50.62

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	WC		LOGCEN	EOD		Prof. Off.	AEGIS	NWAD	OPSUP	CINCLANTFLT			NSEACEN		
		N Lond	Keyport	Mechan	Tech Ct	NOC	Seadp.	Wallops	Corona	Mooresh	Norfolk	NorDet	Maypt	S Diego	Pearl H	PMRF
	MISSION STATEMENT	3.119	4.576	0.749	2.062	1.540	1.638	5.455	9.498	6.385	1.645	1.546	1.545	1.045	1.045	1.018
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Includes total systems responsibility.	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
3	Includes sub-system/component responsibility.	1	1	0	1	1	0	0	0	0	1	1	1	1	1	0
4	Includes systems integration responsibility.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
5	Includes component integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Includes research.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Includes development.	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0
8	Includes test and evaluation.	1	1	0	0	0	0	1	0	1	0	0	0	0	0	1
9	Includes procurement/acquisition.	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
10	Includes in-service engineering.	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0
11	Includes support to direct formal training of naval forces.	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1
12	A naval surface warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	A naval air warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	A naval undersea warfare activity.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	A naval research laboratory activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
	TECHNICAL FUNCTIONS	3.795	3.564	1.009	0.667	0.000	0.000	0.296	0.971	0.296	3.145	1.809	1.113	0.772	0.000	0.997
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS.	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM INTEGRATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIONS SUPPORT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEILLANCE SYSTEMS.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Inlcude a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Inlcude a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGRAMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION SUPPORT.	0	1	1	0	0	0	0	1	0	1	0	0	1	0	1
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOLOGY BASE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Inlcude a minimum of 100 in-house technical WYs in BASIC RESEARCH (RDT&E).	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (RDT&E).	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E).	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATION.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is => 5% .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WYs is => 5%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is => 5%.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	WC N Lond	WC Keyport	LOGCEN Mechan	EOD Tech Ct	NOC	Proj. Off. Seasp.	AEGIS Wallops	NWAD Corona	OPSUP Mooresti	CINCLANTFLT Norfolk	CINCLANTFLT NorDet	CINCLANTFLT Maypt	NSEACEN S Diego	NSEACEN Pearl H	PMRF
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
52	Technical functions are performed for aircraft.	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
53	Technical functions are performed for submarines.	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0
54	Technical functions are performed for surface ships.	0	0	1	0	0	0	1	0	1	1	1	1	0	0	0
55	Technical functions are performed for command, control and ocean surveillance.	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0
	FACILITIES	5.943	5.201	0.148	0.397	0.148	0.000	1.338	7.150	4.814	0.408	0.148	0.148	0.148	0.148	5.447
56	Facility is a host activity.	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
60	Less than 3% of administrative & laboratory space is INADEQUATE.	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0
61	No funds are required to correct inadequacies.	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000 and $5,000,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
64	Less than 5% of utilized floor space is leased.	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1
65	Less than 25% of plant account space is assigned to tenants.	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1
66	10,000 to 49,999 sqft of existing Government owned space is available for expansion.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	More than 100,000 sqft of existing Government owned space is available for expansion.	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
69	10,000 to 49,999 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be constructed for expansion.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
78	Expansion is not constrained by parking limitations.	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1
79	Expansion is not constrained by radio frequency limitations.	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1
80	10 to 49 acres with roads and utilities available for expansion.	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	More than 500 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
83	Site utilizes less than 70% of its utility capacity.	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	1	1	0	1	0	0	1	1	1	0	0	0	0	0	1
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,000.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1
87	Site has revenue producing resources.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	3.405	7.603	0.000	2.033	1.032	0.000	1.828	2.290	1.677	2.083	2.083	2.083	0.000	0.000	4.628
88	Site operates piers that can support naval combatants.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Site operates an operational air field that supports high performance aircraft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net explosive wieght.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 net explosive weight.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive weight.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	1	1	0	1	1	0	1	1	1	1	1	1	0	0	1
95	Real time data interconnectivity is achieved with other sites.	1	1	0	1	0	0	1	1	1	1	1	1	0	0	1
96	Production is accomplished at this site.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Site has a real time Video Teleconferencing Center.	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
98	Officially assigned mobilization responsibility.	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0
99	Adequate facilities available to support mobilization responsibilities.	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0
100	Site maintains production facilities to be activated for contingencies.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	WC		LOGCEN	EOD		Proj. Off.	AEGIS	NWAD	OPSUP	CINCLANTFLT			NSEACEN		
		N Lond	Keyport	Mechan	Tech Ct	NOC	Seasp.	Wallops	Corona	Moorest	Norfolk	NorDet	Maypt	S Diego	Pearl H	PMRF
101	Site supports Reserve Unit mobilization responsibilities.	1	1	0	1	1	0	0	0	0	1	1	1	0	0	0
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
103	Airspace range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
105	Seaspace/undersea range(s) has no limiting (current or future) encroachment or environmental concerns.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed in FY 1993.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	MANPOWER	7,694	3,520	1,926	3,313	0,000	2,370	2,015	2,868	1,926	1,556	0,615	1,111	0,741	0,741	3,000
111	Total civilians on board is between 1000 and 1999.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 and less than 9.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 and less than 11.	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
117	Average civilian technical staff years of experience is greater than 11 and less than 13.	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
118	Average civilian technical staff years of experience is greater than 13 and less than 15.	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0
120	Average civilian technical staff education level is less than 13.	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
121	Average civilian technical staff education level is greater than 13 and less than 14.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0
122	Average civilian technical staff education level is greater than 14 and less than 15.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
123	Average civilian technical staff education level is greater than 15 and less than 16.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
124	Average civilian technical staff education level is greater than 16.	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0
125	Average # of articles published over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Average # of articles published over last 4 years per 100 technical staff is in the next 25%.	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
127	Books/chapters written over last 4 years per 100 technical staff is in the top 25%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	Books/chapters written over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Average # of awards over the last 4 years per 100 technical staff is in the next 25%.	1	1	0	0	0	0	0	1	0	1	1	1	0	0	1
132	Patents granted over last 4 years per 100 technical staff is in the top 25%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25%.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
134	Patents applied for over last 4 years per 100 technical staff is in the top 25%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Patents applied for over last 4 years per 100 technical staff is in the next 25%.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Annual royalty income per 100 technical staff is in the top 25%.	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Number of major end item prototypes currently in use is in the next 25%.	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1
	LOCATION/ENVIRONMENT	3,941	4,149	1,713	2,164	1,611	2,305	3,550	1,713	2,305	2,959	3,094	3,194	1,796	2,501	3,761
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
143	Location has natural features that are essential to the mission of the facility.	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1
144	Location enhances synergy with other activities and bases.	1	1	0	1	0	1	0	0	1	1	1	1	0	0	0
145	Location enhances joint use capability.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
147	Location is important to customers.	1	1	0	0	0	0	1	0	0	1	1	1	1	1	0
148	Site has no endangered/threatened species and biological habitats that restrict current operations.	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
149	Site has no jurisdictional wetlands that currently restrict base operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
150	Site has no National Register cultural resources that constrain base ops or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	WC N Lond	WC Keyport	LOGCEN Mechan	EOD Tech Ct	NOC	Proj. Off. Seasp.	AEGIS Wallops	NWAD Corona	OPSUP Moorest	CINCLANTFLT Norfolk	CINCLANTFLT NorDet	CINCLANTFLT Maypt	NSEACEN S Diego	NSEACEN Pearl H	PMRF
151	Base ops or development plans are not constrained by laws applying to environmental facilities/NPDES.	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	0	1	0	0	0	0	1	0	0	0	1	0	0	1	1
153	Site operations or development plans have not been restricted due to air quality considerations.	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1
154	Site has no Installation Restoration issues that restrict operations or development plans.	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	4.234	6.509	4.722	6.606	6.606	3.991	5.532	3.648	2.821	3.245	1.245	6.999	6.132	5.526	5.882
156	Is there sufficient off base housing?	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1
157	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	1	1	1	0	0	0	0	1	0	1	1
160	Is the average wait for housing three months or less?	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
163	Are 90% of BEQ rooms adequate?	0	1	0	1	1	0	1	0	0	0	0	1	1	0	1
165	Are 90% of BOQ rooms adequate?	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0
166	Does the site have >90% of the listed MWR facilities?	0	1	0	1	1	0	0	0	0	0	0	0	1	1	0
169	Are >90% of the child care facilities adequate?	0	1	1	1	1	1	0	0	0	1	1	1	0	1	1
172	Is the average wait for 0-12 month child care <180 days?	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
177	Do >50% of site military and civilian personnel live within a 30 minute commute?	1	1	1	0	0	0	1	1	1	0	0	1	1	1	1
178	Are local area educational institution programs adequate for military family members?	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile radius?	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0
184	Do military family members have reasonable access to medical/dental facilities?	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
185	Is the violent crime rate <758/100,000?	1	1	1	0	0	0	1	0	1	1	1	0	0	1	1
186	Is the property crime rate <4902/100,00?	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1
187	Is the drug crime rate <402/100,000?	1	1	1	0	0	0	1	1	0	0	0	0	0	1	1
	COST	1.037	1.067	1.185	0.889	0.519	1.037	0.889	1.458	1.037	0.889	1.037	1.037	0.889	1.037	0.889
188	Percent of all employees employed in technical operations is more than 90.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
189	Percent of all employees employed in technical opertions is between 70 and 90.	1	1	0	1	0	0	0	0	0	1	1	1	1	0	0
190	Percent of all employees employed in technical opertions is between 50 and 70.	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0
191	Percent of all employees employed in technical opertions is between 30 and 50.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
192	Percent of all employees employed in technical opertions is less than 30.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
193	Percent of overhead performed by government civilians is greater than 90.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
194	Percent of overhead performed by government civilians is between 70 and 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50 and 70.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
196	Percent of overhead performed by government civilians is between 30 and 50.	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
197	Percent of overhead performed by government civilians is less than 30.	1	1	0	1	0	0	0	1	0	1	1	1	1	1	0
198	Percent of technical operations performed by government civilians is greater than 90.	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0
199	Percent of tech. operations performed by government civilians is between 70 and 90.	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0
200	Percent of tech. operations performed by government civilians is between 50 and 70.	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
201	Percent of tech. operations performed by government civilians is between 30 and 50.	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
202	Percent of tech. operations performed by government civilians is less than 30.	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1
	LOSS IMPACT	1.751	1.191	0.498	0.148	0.000	0.000	0.545	0.249	0.296	0.794	0.498	0.498	0.498	0.000	0.545
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation.)	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simulation.)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetime Support.)	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifetime Support.)	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT&E.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	Directly impact future naval force development (500 or higher WYs in RDT&E.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	Loss of activity adversely affects top 25% of technical mission areas.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		34.86	37.73	12.76	18.27	11.36	11.34	25.29	20.06	21.46	16.74	14.27	18.13	11.02	11.00	26.15

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	AFWTF	Naval Air Warfare Center HQ	China L	Pt Mugu	Indy	Pax Riv	Warmin	Oreland	Lakehst	NAESU	NATSF	NATSD	HQ	RDT&E	Warmin
	MISSION STATEMENT	1.539	1.000	11.234	11.234	4.002	11.234	3.193	1.407	5.730	0.749	1.119	0.556	0.667	10.440	4.258
1	Includes full-spectrum life cycle responsibility.	0	0	1	1	0	1	0	0	0	0	0	1	0	1	1
2	Includes total systems responsibility.	0	0	1	1	0	1	0	0	1	0	0	1	0	1	0
3	Includes sub-system/component responsibility.	0	0	1	1	1	1	1	1	1	0	0	1	0	0	1
4	Includes systems integration responsibility.	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0
5	Includes component integration responsibility.	0	0	1	1	0	1	0	0	1	0	0	1	0	0	0
6	Includes research.	0	0	1	1	1	1	1	0	0	0	0	1	0	1	1
7	Includes development.	1	0	1	1	1	1	1	0	1	0	0	1	0	1	1
8	Includes test and evaluation.	1	0	1	1	1	1	1	1	1	0	0	1	0	1	1
9	Includes procurement/acquisition.	0	0	1	1	1	1	0	0	1	0	1	1	0	0	0
10	Includes in-service engineering.	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1
11	Includes support to direct formal training of naval forces.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	A naval surface warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	A naval air warfare activity.	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
16	A naval research laboratory activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	0	1	1	1	1	1	0	0	0	0	0	1	0	1	1
	TECHNICAL FUNCTIONS	0.000	0.000	7.669	8.021	7.217	7.869	0.296	0.000	1.726	0.000	0.444	2.254	0.000	7.785	1.882
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS.	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM INTEGRATION.	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIONS SUPPORT.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEILLANCE SYSTEMS.	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
23	Include a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
25	Include a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGRAMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION SUPPORT.	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOLOGY BASE.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
29	Include a minimum of 100 in-house technical WYs in BASIC RESEARCH (RDT&E).	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (RDT&E).	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E).	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	0	1	1	1	1	0	0	1	0	1	1	0	1	1
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	0	1	1	1	1	0	0	1	0	0	1	0	1	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATION.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is => 5% .	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5%.	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is => 5%.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %.	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	AFWTF	Naval Air Warfare Center HQ	China L	Pt Mugu	Indy	Pax Riv	Warmin	Oreland	Lakehst	NAESU	NATSF	NATSD	HQ	RDT&E	Warmin
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
52	Technical functions are performed for aircraft.	0	0	1	1	1	1	1	0	1	0	0	1	0	1	1
53	Technical functions are performed for submarines.	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1
54	Technical functions are performed for surface ships.	0	0	0	1	1	1	0	0	0	0	0	1	0	1	1
55	Technical functions are performed for command, control and ocean surveillance.	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1
	FACILITIES	1.545	0.000	7.458	6.761	7.009	3.849	3.458	3.227	7.431	0.148	0.148	5.456	2.626	6.426	0.895
56	Facility is a host activity.	0	0	1	1	1	1	1	0	1	0	0	1	1	1	0
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	0	0	1	1	0	1	1	1	0	0	1	0	0	0
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0
61	No funds are required to correct inadequacies.	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000 and $5,000,000.	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0
64	Less than 5% of utilized floor space is leased.	1	0	1	0	0	1	1	1	1	1	1	0	1	1	1
65	Less than 25% of plant account space is assigned to tenants.	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0
66	10,000 to 49,999 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
68	More than 100,000 sqft of existing Government owned space is available for expansion.	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0
69	10,000 to 49,999 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
71	More than 100,000 sqft of Government owned space can be constructed for expansion.	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0
74	Expansion opportunities can support more than 500 additional persons.	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for expansion.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	1	0	1	0	1	1	0	1	1	0	0	0	1	0	0
79	Expansion is not constrained by radio frequency limitations.	1	0	1	1	0	1	0	1	1	0	0	0	1	1	0
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0
82	More than 500 acres with roads and utilities available for expansion.	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	0	0	1	1	1	1	1	0	1	0	0	1	1	1	0
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	0	0	1	1	0	1	1	1	1	0	0	1	0	1	1
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,000.	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
86	Replacement value of FIXED SF&E exceeds $100,000,000.	1	0	1	1	0	1	0	0	1	0	0	0	0	1	0
87	Site has revenue producing resources.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	RANGES, FEATURES AND OTHER CAPABILITIES	6.675	1.626	9.734	10.137	4.090	7.468	0.000	0.000	2.452	0.000	1.678	1.678	1.677	5.406	1.677
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Site operates an operational air field that supports high performance aircraft.	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net explosive wieght.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 net explosive weight.	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive weight.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
94	Data transfer across the site is supported by a high speed network.	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1
95	Real time data interconnectivity is achieved with other sites.	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1
96	Production is accomplished at this site.	0	0	1	1	1	0	0	0	1	0	0	0	0	1	0
97	Site has a real time Video Teleconferencing Center.	0	1	1	1	1	1	0	0	1	0	0	0	0	1	0
98	Officially assigned mobilization responsibility.	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0
99	Adequate facilities available to support mobilization responsibilities.	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0
100	Site maintains production facilities to be activated for contingencies.	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	AFWTF	Naval Air Warfare Center HQ	China L	Pt Mugu	Indy	Pax Riv	Warmin	Oreland	Lakehst	NAESU	NATSF	NATSD	HQ	RDT&E	Warmin
101	Site supports Reserve Unit mobilization responsibilities.	0	0	1	1	1	1	0	0	1	0	1	1	0	1	0
102	Site controls range airspace of greater than 5,000 sq mi..	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0
105	Seaspace/undersea range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
106	Site controls range landspace of greater than 100 sq mi.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
109	Facility is part of the DoD Major Range and Test Facility Base.	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed in FY 1993.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	MANPOWER	2,379	0.000	7,233	5,957	4,560	6,833	2,815	0.000	4,066	1,047	1,185	4,350	0.000	5,708	4,127
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0
113	Total civilians on board is greater than 4000.	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 and less than 9.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 and less than 11.	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0
117	Average civilian technical staff years of experience is greater than 11 and less than 13.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
118	Average civilian technical staff years of experience is greater than 13 and less than 15.	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and less than 14.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
122	Average civilian technical staff education level is greater than 14 and less than 15.	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0
123	Average civilian technical staff education level is greater than 15 and less than 16.	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0
124	Average civilian technical staff education level is greater than 16.	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
125	Average # of articles published over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
126	Average # of articles published over last 4 years per 100 technical staff is in the next 25%.	0	0	1	1	1	1	0	0	1	0	0	1	0	0	1
127	Books/chapters written over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0
128	Books/chapters written over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
131	Average # of awards over the last 4 years per 100 technical staff is in the next 25%.	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0
132	Patents granted over last 4 years per 100 technical staff is in the top 25%.	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25%.	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
134	Patents applied for over last 4 years per 100 technical staff is in the top 25%.	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1
135	Patents applied for over last 4 years per 100 technical staff is in the next 25%.	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	1	1	0	1	0	0	0	0	0	1	0	1	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0
141	Number of major end item prototypes currently in use is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	LOCATION/ENVIRONMENT	3,686	2,305	4,366	4,169	1,935	3,477	2,460	2,490	1,936	1,713	1,713	2,729	3,194	2,107	2,460
142	Location is necessary to perform assigned technical functions.	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
143	Location has natural features that are essential to the mission of the facility.	1	0	1	1	0	1	1	1	0	0	0	0	0	1	1
144	Location enhances synergy with other activities and bases.	0	1	1	1	0	1	0	0	0	0	0	1	1	0	0
145	Location enhances joint use capability.	0	0	1	1	1	1	0	0	1	0	0	1	0	0	0
146	Location provides favorable weather conditions.	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
147	Location is important to customers.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
148	Site has no endangered/threatened species and biological habitats that restrict current operations.	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
149	Site has no jurisdictional wetlands that currently restrict base operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops or devlopment plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	AFWTF	Naval Air Warfare Center HQ	China L	Pt Mugu	Indy	Pax Riv	Warmin	Oreland	Lakehst	NAESU	NATSF	NATSD	HQ	RDT&E	Warmin
151	Base ops or development plans are not constrained by laws applying to environmental facilities/NPDES.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0
153	Site operations or development plans have not been restricted due to air quality considerations.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154	Site has no Installation Restoration issues that restrict operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	3.219	8.991	8.765	5.156	4.907	7.271	6.400	0.148	7.197	9.911	3.911	3.265	4.759	4.759	6.400
156	Is there sufficient off base housing?	1	0	1	1	1	1	1	0	1	0	0	1	0	0	1
157	Do 90% or more of the housing units have all the required amenities?	1	1	1	0	1	1	1	0	0	1	1	0	0	0	1
160	Is the average wait for housing three months or less?	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0
163	Are 90% of BEQ rooms adequate?	0	0	1	1	0	1	1	0	1	0	0	0	1	1	1
165	Are 90% of BOQ rooms adequate?	0	1	1	0	0	1	1	0	1	0	0	0	1	1	1
166	Does the site have >90% of the listed MWR facilities?	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0
169	Are >90% of the child care facilities adequate?	0	1	1	0	0	1	1	0	1	1	1	0	1	1	1
172	Is the average wait for 0-12 month child care <180 days?	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
177	Do >50% of site military and civilian personnel live within a 30 minute commute?	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1
178	Are local area educational institution programs adequate for military family members?	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile radius?	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
184	Do military family members have reasonable access to medical/dental facilities?	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
185	Is the violent crime rate <758/100,000?	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1
186	Is the property crime rate <4902/100,00?	0	1	1	1	0	1	1	1	0	1	1	0	0	0	1
187	Is the drug crime rate <402/100,000?	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	COST	0.889	0.519	1.185	1.185	1.037	1.037	1.185	0.000	0.889	0.667	0.889	0.889	0.296	1.037	1.333
188	Percent of all employees employed in technical operations is more than 90.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
189	Percent of all employees employed in technical opertions is between 70 and 90.	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0
190	Percent of all employees employed in technical opertions is between 50 and 70.	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0
191	Percent of all employees employed in technical opertions is between 30 and 50.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Percent of all employees employed in technical opertions is less than 30.	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
193	Percent of overhead performed by government civilians is greater than 90.	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
194	Percent of overhead performed by government civilians is between 70 and 90.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50 and 70.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30 and 50.	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0
197	Percent of overhead performed by government civilians is less than 30.	0	0	1	1	1	0	1	0	0	0	1	0	0	1	1
198	Percent of technical operations performed by government civilians is greater than 90.	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0
199	Percent of tech. operations performed by government civilians is between 70 and 90.	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
200	Percent of tech. operations performed by government civilians is between 50 and 70.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
201	Percent of tech. operations performed by government civilians is between 30 and 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
202	Percent of tech. operations performed by government civilians is less than 30.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	LOSS IMPACT	0.548	0.000	2.000	2.000	1.899	2.000	0.148	0.296	1.602	0.000	0.000	0.797	0.000	2.000	0.296
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation.)	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simulation.)	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetime Support.)	0	0	1	0	1	1	0	0	1	0	0	1	0	1	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifetime Support.)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT&E.)	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
208	Directly impact future naval force development (500 or higher WYs in RDT&E.)	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	1	0	0	0	0	0	0	1	1	0	0	1	0	0	1
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		20.53	9.73	59.61	54.62	36.66	51.17	19.97	7.54	34.95	8.22	11.09	30.07	13.11	46.67	25.20

TECHNICAL CENTERS Military Value Matrix

BUMI

Que Seq	QUESTIONS	SPAWAR Chston	SPAWAR Norfolk	SPAWAR S Diego	SPAWAR Pearl H	SPAWAR NTRO	SPAWAR NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV	NCTRF	Bethsda	S Diego
	MISSION STATEMENT	1.913	2.411	1.919	2.931	0.670	2.284	4.567	2.508	0.519	2.264	2.084	1.916	5.697	1.658	1.656
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2	Includes total systems responsibility.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	Includes sub-system/component responsibility.	1	1	1	1	0	1	1	1	0	0	0	0	1	0	0
4	Includes systems integration responsibility.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Includes component integration responsibility.	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
6	Includes research.	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1
7	Includes development.	0	0	0	0	0	1	1	1	0	1	1	0	1	1	1
8	Includes test and evaluation.	0	0	0	1	0	1	0	1	0	0	0	1	1	1	1
9	Includes procurement/acquisition.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
10	Includes in-service engineering.	1	1	1	1	0	1	0	0	0	1	0	0	1	0	0
11	Includes support to direct formal training of naval forces.	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
12	A naval surface warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	A naval air warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	A naval undersea warfare activity.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	A naval command, control, and ocean surveillance activity.	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	A naval research laboratory activity.	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
17	Includes joint/lead service assignments..	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0
	TECHNICAL FUNCTIONS	2.772	3.069	3.439	2.874	0.000	1.952	7.764	0.296	3.269	1.919	1.155	0.000	0.000	1.357	0.993
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM INTEGRATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIONS SUPPORT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEILLANCE SYSTEMS.	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
23	Inlcude a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Include a minimum of 100 in-house technical WYs in C3I.	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0
25	Inlcude a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGRAMS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION SUPPORT.	0	0	1	0	0	0	1	0	1	1	1	0	0	1	0
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOLOGY BASE.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
29	Inlcude a minimum of 100 in-house technical WYs in BASIC RESEARCH (RDT&E).	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (RDT&E).	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E).	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATION.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is => 5% .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
41	C3I share of DON in-house technical WYs is => 5%.	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TECHNICAL CENTERS Military Value Matrix

BUMI

Que Seq	QUESTIONS	SPAWAR Chston	SPAWAR Norfolk	SPAWAR S Diego	SPAWAR Pearl H	SPAWAR NTRO	SPAWAR NMSO	NRL	NRL Orlando	ONR	NAVFAC	NPRDC	OPTEV	NCTRF	Bethsda	S Diego
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
52	Technical functions are performed for aircraft.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
53	Technical functions are performed for submarines.	1	1	1	0	0	0	1	1	1	0	1	0	0	0	0
54	Technical functions are performed for surface ships.	1	1	1	1	0	0	1	0	1	0	1	0	0	0	0
55	Technical functions are performed for command, control and ocean surveillance.	1	1	1	1	0	1	1	0	1	1	0	0	0	0	0
	FACILITIES	0.401	0.900	1.026	0.148	0.000	0.249	6.297	4.464	0.000	2.170	0.397	1.541	0.148	1.268	0.148
56	Facility is a host activity.	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0
61	No funds are required to correct inadequacies.	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000 and $5,000,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
64	Less than 5% of utilized floor space is leased.	0	1	0	1	0	0	1	1	0	0	1	1	1	0	1
65	Less than 25% of plant account space is assigned to tenants.	0	0	0	0	0	0	1	1	0	1	0	1	0	1	0
66	10,000 to 49,999 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
67	50,000 to 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	More than 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	10,000 to 49,999 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
70	50,000 to 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	More than 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	250 to 499 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	500 to 1000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	More than 1,000 unimproved & unencumbered acres available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Expansion is not constrained by parking limitations.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Expansion is not constrained by radio frequency limitations.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	More than 500 acres with roads and utilities available for expansion.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Site utilizes less than 70% of its utility capacity.	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	1	0	1	0	0	1	1	1	0	1	1	0	0	1	0
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,000.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
87	Site has revenue producing resources.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RANGES FEATURES AND OTHER CAPABILITIES	2.332	2.450	2.956	1.677	0.000	1.577	2.533	0.000	1.577	1.051	1.981	1.577	1.678	0.102	1.577
88	Site operates piers that can support naval combatants.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Site operates an operational air field that supports high performance aircraft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Site has ordnance storage capacity between 500,000 and 999,999 net explosive wieght.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 net explosive weight.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Site has ordnance storage capacity is at least 10,000,000 net explosive weight.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Facility has a super computer or parallel computer on site.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
94	Data transfer across the site is supported by a high speed network.	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1
95	Real time data interconnectivity is achieved with other sites.	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
96	Production is accomplished at this site.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Site has a real time Video Teleconferencing Center.	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0
98	Officially assigned mobilization responsibility.	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0
99	Adequate facilities available to support mobilization responsibilities.	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0
100	Site maintains production facilities to be activated for contingencies.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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101	Site supports Reserve Unit mobilization responsibilities.	1	0	1	0	0	0	1	0	0	0	0	0	1	1	0
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Airspace range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Seaspace/undersea range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Landspace range(s) has no limiting (future or current) encroachment or environmental concerns.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Site has range facilities that are used for fleet tactical training.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	At least 100,000 man hours of depot/industrial maintenance performed in FY 1993.	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	MANPOWER	2.722	1.481	1.778	2.074	2.074	0.741	5.189	3.901	4.444	5.038	5.019	2.615	3.905	1.210	4.498
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Total civilians on board is between 2000 and 3,999.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
113	Total civilians on board is greater than 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 and less than 9.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Average civilian technical staff years of experience is greater than 9 and less than 11.	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0
117	Average civilian technical staff years of experience is greater than 11 and less than 13.	1	0	0	0	0	0	0	1	1	0	1	0	0	1	1
118	Average civilian technical staff years of experience is greater than 13 and less than 15.	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
120	Average civilian technical staff education level is less than 13.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
121	Average civilian technical staff education level is greater than 13 and less than 14.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Average civilian technical staff education level is greater than 14 and less than 15.	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
123	Average civilian technical staff education level is greater than 15 and less than 16.	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0
124	Average civilian technical staff education level is greater than 16.	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1
125	Average # of articles published over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1
126	Average # of articles published over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
127	Books/chapters written over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1
128	Books/chapters written over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
130	Average # of awards over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1
131	Average # of awards over the last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
132	Patents granted over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0
133	Patents granted over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
134	Patents applied for over last 4 years per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1
135	Patents applied for over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
136	National Academy of Engineering/Science members.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
137	# of CRDAs signed by the Activity is over 10.	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
138	Annual royalty income per 100 technical staff is in the top 25%.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
141	Number of major end item prototypes currently in use is in the next 25%.	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
	LOCATION/ENVIRONMENT	1.914	3.194	3.194	3.394	3.194	2.309	3.194	2.963	4.194	2.662	2.093	1.914	1.938	1.411	2.636
142	Location is necessary to perform assigned technical functions.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Location has natural features that are essential to the mission of the facility.	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
144	Location enhances synergy with other activities and bases.	0	1	1	1	1	1	1	0	1	0	1	0	0	0	1
145	Location enhances joint use capability.	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
146	Location provides favorable weather conditions.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
147	Location is important to customers.	0	1	1	1	1	0	1	0	1	0	0	0	0	0	0
148	Site has no endangered/threatened species and biological habitats that restrict current operations.	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
149	Site has no jurisdictional wetlands that currently restrict base operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150	Site has no National Register cultural resources that constrain base ops or devlopment plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1

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151	Base ops or development plans are not constrained by laws applying to environmental facilities/NPDES.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152	Site is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0
153	Site operations or development plans have not been restricted due to air quality considerations.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154	Site has no Installation Restoration issues that restrict operations or development plans.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155	Site has no significant maintenance dredging restrictions.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	QUALITY OF LIFE	6.576	3.637	5.172	5.629	4.901	4.199	3.991	2.621	3.991	4.658	4.756	3.245	5.135	3.991	4.753
156	Is there sufficient off base housing?	1	0	0	1	1	1	0	1	0	1	0	1	1	1	0
157	Do 90% or more of the housing units have all the required amenities?	1	0	0	1	1	1	1	0	1	0	0	0	0	1	0
160	Is the average wait for housing three months or less?	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Are 90% of BEQ rooms adequate?	1	0	1	0	0	1	0	0	0	0	1	0	1	0	1
165	Are 90% of BOQ rooms adequate?	0	1	1	0	0	1	1	0	1	0	1	0	0	0	1
166	Does the site have >90% of the listed MWR facilities?	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
169	Are >90% of the child care facilities adequate?	0	1	0	1	0	0	1	0	1	1	1	1	1	1	1
172	Is the average wait for 0-12 month child care <180 days?	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0
177	Do >50% of site military and civilian personnel live within a 30 minute commute?	1	1	1	1	1	0	0	1	0	1	1	0	1	0	1
178	Are local area educational institution programs adequate for military family members?	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179	Are there educational opportunities at all college levels within a 30-mile radius?	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
180	Are college education courses available on the base?	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1
184	Do military familly members have reasonable access to medical/dental facilities?	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1
185	Is the violent crime rate <758/100,000?	0	1	0	1	0	1	0	0	0	1	0	1	1	0	0
186	Is the property crime rate <4902/100,00?	0	0	0	0	1	0	1	0	1	1	0	0	1	1	0
187	Is the drug crime rate <402/100,000?	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	COST	0.889	0.889	1.037	0.889	0.667	0.889	0.667	0.667	0.889	0.889	1.185	0.667	0.667	1.037	1.185
188	Percent of all employees employed in technical operations is more than 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	Percent of all employees employed in technical opertions is between 70 and 90.	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1
190	Percent of all employees employed in technical opertions is between 50 and 70.	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
191	Percent of all employees employed in technical opertions is between 30 and 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Percent of all employees employed in technical opertions is less than 30.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
193	Percent of overhead performed by government civilians is greater than 90.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
194	Percent of overhead performed by government civilians is between 70 and 90.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
195	Percent of overhead performed by government civilians is between 50 and 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	Percent of overhead performed by government civilians is between 30 and 50.	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
197	Percent of overhead performed by government civilians is less than 30.	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1
198	Percent of technical operations performed by government civilians is greater than 90.	0	0	0	1	1	1	0	0	1	1	0	0	1	0	0
199	Percent of tech. operations performed by government civilians is between 70 and 90.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
200	Percent of tech. operations performed by government civilians is between 50 and 70.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
201	Percent of tech. operations performed by government civilians is between 30 and 50.	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
202	Percent of tech. operations performed by government civilians is less than 30.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	LOSS IMPACT	0.794	0.498	0.498	0.498	0.000	0.148	1.602	0.296	0.708	1.899	1.004	0.000	0.148	1.004	0.000
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204	Directly impact naval force training. (40 or higher WYs in Training/Simulation.)	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetime Support.)	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifetime Support.)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
207	Directly impact future naval force development. (100 to 499 WYs in RDT&E.)	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0
208	Directly impact future naval force development (500 or higher WYs in RDT&E.)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
		19.81	18.13	20.97	19.52	9.21	14.24	38.50	17.83	18.58	22.68	19.57	12.48	19.43	15.92	16.03

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	BUMED Poola	N Orlns	Groton	GLakes	AVG./ no.
	MISSION STATEMENT	1.556	1.037	1.037	2.074	3.404
1	Includes full-spectrum life cycle responsibility.	0	0	0	0	12
2	Includes total systems responsibility.	0	0	0	0	16
3	Includes sub-system/component responsibility.	0	0	0	0	38
4	Includes systems integration responsibility.	0	0	0	0	7
5	Includes component integration responsibility.	0	0	0	0	11
6	Includes research.	1	1	1	1	27
7	Includes development.	1	1	1	1	33
8	Includes test and evaluation.	1	0	0	1	36
9	Includes procurement/acquisition.	0	0	0	0	11
10	Includes in-service engineering.	0	0	0	0	39
11	Includes support to direct formal training of naval forces.	0	0	0	0	9
12	A naval surface warfare activity.	0	0	0	0	13
13	A naval air warfare activity.	0	0	0	0	8
14	A naval undersea warfare activity.	0	0	0	0	4
15	A naval command, control, and ocean surveillance activity.	0	0	0	0	7
16	A naval research laboratory activity.	0	0	0	0	2
17	Includes joint/lead service assignments..	0	0	0	1	25
	TECHNICAL FUNCTIONS	0.000	0.000	0.093	0.000	2.181
18	Include a minimum of 100 in-house technical WYs in PLATFORMS.	0	0	0	0	8
19	Include a minimum of 100 in-house technical WYs in WEAPONS SYSTEMS.	0	0	0	0	13
20	Include a minimum of 100 in-house technical WYs in COMBAT SYSTEM INTEGRATION.	0	0	0	0	9
21	Include a minimum of 100 in-house technical WYs in SPECIAL OPERATIONS SUPPORT.	0	0	0	0	3
22	Include a minimum of 100 in-house technical WYs in SENSORS & SURVEILLANCE SYSTEMS.	0	0	0	0	11
23	Inlcude a minimum of 100 in-house technical WYs in NAVIGATION.	0	0	0	0	1
24	Include a minimum of 100 in-house technical WYs in C3I.	0	0	0	0	8
25	Inlcude a minimum of 100 in-house technical WYs in DEFENSE SYSTEMS.	0	0	0	0	10
26	Include a minimum of 100 in-house technical WYs in STRATEGIC PROGRAMS.	0	0	0	0	2
27	Include a minimum of 100 in-house technical WYs in GENERAL MISSION SUPPORT.	0	0	0	0	23
28	Include a minimum of 100 in-house technical WYs in GENERIC TECHNOLOGY BASE.	0	0	0	0	2
29	Inlcude a minimum of 100 in-house technical WYs in BASIC RESEARCH (RDT&E).	0	0	0	0	1
30	Include a minimum of 100 in-house technical WYs in TECHNICAL BASE (RDT&E).	0	0	0	0	15
31	Include a minimum of 100 in-house technical WYs in DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E).	0	0	0	0	13
32	Include a minimum of 100 in-house technical WYs in ACQUISITION.	0	0	0	0	23
33	Include a minimum of 100 in-house technical WYs in LIFETIME SUPPORT.	0	0	0	0	27
34	Include a minimum of 100 in-house technical WYs in TRAINING/SIMULATION.	0	0	0	0	6
35	PLATFORMS share of DON in-house technical WYs is => 5%.	0	0	0	0	6
36	WEAPONS SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	9
37	COMBAT SYSTEMS INTEGRATION share of DON in-house technical WYs is => 5% .	0	0	0	0	6
38	SPECIAL OPERATIONS SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	3
39	SENSORS & SURVEILLANCE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	6
40	NAVIGATION share of DON in-house technical WYs is => 5%.	0	0	0	0	5
41	C3I share of DON in-house technical WYs is => 5%.	0	0	0	0	7
42	DEFENSE SYSTEMS share of DON in-house technical WYs is => 5%.	0	0	0	0	7
43	STRATEGIC PROGRAMS share of DON in-house technical WYs is => 5%.	0	0	0	0	6
44	GENERAL MISSION SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	5
45	GENERAL TECHNOLOGY BASE share of DON in-house technical WYs is => 5%.	0	0	0	0	5
46	BASIC RESEARCH (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	3
47	TECHNICAL BASE (RDT&E) share of DON in-house technical WYs is => 5 %.	0	0	0	0	7
48	DEVELOPMENT & DEVELOPMENT SUPPORT (RDT&E) share of DON in-house technical WYs is => 5%.	0	0	0	0	4
49	ACQUISITION share of DON in-house technical WYs is => 5%.	0	0	0	0	7
50	LIFETIME SUPPORT share of DON in-house technical WYs is => 5%.	0	0	0	0	6

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	BUMED Pcola	N Orlns	Groton	GLakes	AVG./ no.
51	TRAINING/SIMULATION share of DON in-house technical WYs is => 5%.	0	0	0	0	5
52	Technical functions are performed for aircraft.	0	0	0	0	17
53	Technical functions are performed for submarines.	0	0	1	0	27
54	Technical functions are performed for surface ships.	0	0	0	0	28
55	Technical functions are performed for command, control and ocean surveillance.	0	0	1	0	24
	FACILITIES	0.595	2.051	0.397	0.148	2.802
56	Facility is a host activity.	0	0	0	0	26
57	80% to 89% of administrative & laboratory space is ADEQUATE.	0	0	0	0	3
58	90% to 100% of administrative & laboratory space is ADEQUATE.	0	1	0	0	21
59	3% to 5% of administrative & laboratory space is INADEQUATE.	0	0	0	0	3
60	Less than 3% of administrative & laboratory space is INADEQUATE.	0	1	0	0	24
61	No funds are required to correct inadequacies.	0	1	0	0	16
62	Funds are required to correct inadequacies, but less then $500,000.	0	0	0	0	0
63	Funds are required to correct inadequacies, totalling between $500,000 and $5,000,000.	0	0	0	0	5
64	Less than 5% of utilized floor space is leased.	1	0	1	1	47
65	Less than 25% of plant account space is assigned to tenants.	0	0	0	0	29
66	10,000 to 49,999 sqft of existing Government owned space is available for expansion.	0	0	0	0	3
67	50,000 to 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	3
68	More than 100,000 sqft of existing Government owned space is available for expansion.	0	0	0	0	14
69	10,000 to 49,999 sqft of Government owned space can be constructed for expansion.	0	0	0	0	6
70	50,000 to 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	1
71	More than 100,000 sqft of Government owned space can be constructed for expansion.	0	0	0	0	10
72	Expansion opportunities can support 50 to 99 additional persons.	0	0	0	0	0
73	Expansion opportunities can support 100 to 499 additional persons.	0	0	0	0	7
74	Expansion opportunities can support more than 500 additional persons.	0	0	0	0	8
75	250 to 499 unimproved & unencumbered acres available for expansion.	0	0	0	0	2
76	500 to 1000 unimproved & unencumbered acres available for expansion.	0	0	0	0	1
77	More than 1,000 unimproved & unencumbered acres available for expansion.	0	0	0	0	3
78	Expansion is not constrained by parking limitations.	0	0	0	0	21
79	Expansion is not constrained by radio frequency limitations.	0	0	0	0	22
80	10 to 49 acres with roads and utilities available for expansion.	0	0	0	0	5
81	50 to 499 acres with roads and utilities available for expansion.	0	0	0	0	9
82	More than 500 acres with roads and utilities available for expansion.	0	0	0	0	4
83	Site utilizes less than 70% of its utility capacity.	0	0	0	0	28
84	Less than 20% of replacement value of the Site's SF&E is PORTABLE.	1	1	1	0	38
85	Replacement value of FIXED SF&E is between $25,000,000 and $100,000,000.	1	0	0	0	7
86	Replacement value of FIXED SF&E exceeds $100,000,000.	0	0	0	0	23
87	Site has revenue producing resources.	0	0	0	0	5
	RANGES, FEATURES AND OTHER CAPABILITIES	1.577	1.961	1.577	1.572	2.589
88	Site operates piers that can support naval combatants.	0	0	0	0	5
89	Site operates an operational air field that supports high performance aircraft.	0	0	0	0	3
90	Site has ordnance storage capacity between 500,000 and 999,999 net explosive wieght.	0	0	0	0	1
91	Site has ordnance storage capacity between 1,000,000 and 9,999,999 net explosive weight.	0	0	0	0	4
92	Site has ordnance storage capacity is at least 10,000,000 net explosive weight.	0	0	0	0	4
93	Facility has a super computer or parallel computer on site.	0	0	0	0	4
94	Data transfer across the site is supported by a high speed network.	1	1	1	1	50
95	Real time data interconnectivity is achieved with other sites.	1	1	1	1	50
96	Production is accomplished at this site.	0	0	0	0	12
97	Site has a real time Video Teleconferencing Center.	0	0	0	0	21
98	Officially assigned mobilization responsibility.	0	1	0	0	28
99	Adequate facilities available to support mobilization responsibilities.	0	1	0	0	28
100	Site maintains production facilities to be activated for contingencies.	0	0	0	0	10

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	BUMED Pcola	N Orlns	Groton	GLakes	AVG./ no.
101	Site supports Reserve Unit mobilization responsibilities.	0	0	0	0	28
102	Site controls range airspace of greater than 5,000 sq mi..	0	0	0	0	5
103	Airspace range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	4
104	Site controls range sea/undersea space of greater than 100 sq mi.	0	0	0	0	8
105	Seaspace/undersea range(s) has no limiting (current or future) encroachment or environmental concerns.	0	0	0	0	7
106	Site controls range landspace of greater than 100 sq mi.	0	0	0	0	2
107	Landspace range(s) has no limiting (future or current) encroachment or environmental concerns.	0	0	0	0	1
108	Site has range facilities that are used for fleet tactical training.	0	0	0	0	9
109	Facility is part of the DoD Major Range and Test Facility Base.	0	0	0	0	5
110	At least 100,000 man hours of depot/industrial maintenance performed in FY 1993.	0	0	0	0	7
	MANPOWER	5,090	2,815	2,566	4,203	3,321
111	Total civilians on board is between 1000 and 1999.	0	0	0	0	5
112	Total civilians on board is between 2000 and 3,999.	0	0	0	0	11
113	Total civilians on board is greater than 4000.	0	0	0	0	2
114	Average civilian technical staff years of experience is less than 7.	0	0	0	0	0
115	Average civilian technical staff years of experience is greater than 7 and less than 9.	0	0	1	0	2
116	Average civilian technical staff years of experience is greater than 9 and less than 11.	1	1	0	1	20
117	Average civilian technical staff years of experience is greater than 11 and less than 13.	0	0	0	0	16
118	Average civilian technical staff years of experience is greater than 13 and less than 15.	0	0	0	0	13
119	Average civilian technical staff years of experience is greater than 15.	0	0	0	0	7
120	Average civilian technical staff education level is less than 13.	0	0	0	0	6
121	Average civilian technical staff education level is greater than 13 and less than 14.	0	0	0	0	8
122	Average civilian technical staff education level is greater than 14 and less than 15.	0	0	0	0	13
123	Average civilian technical staff education level is greater than 15 and less than 16.	0	1	0	0	14
124	Average civilian technical staff education level is greater than 16.	1	0	1	1	17
125	Average # of articles published over last 4 years per 100 technical staff is in the top 25%.	1	1	1	1	15
126	Average # of articles published over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	21
127	Books/chapters written over last 4 years per 100 technical staff is in the top 25%.	0	1	0	0	15
128	Books/chapters written over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	0
129	Activity has Nobel laureate(s) employed.	0	0	0	0	1
130	Average # of awards over last 4 years per 100 technical staff is in the top 25%.	1	0	0	0	15
131	Average # of awards over the last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	16
132	Patents granted over last 4 years per 100 technical staff is in the top 25%.	1	0	0	1	16
133	Patents granted over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	9
134	Patents applied for over last 4 years per 100 technical staff is in the top 25%.	1	0	0	1	19
135	Patents applied for over last 4 years per 100 technical staff is in the next 25%.	0	0	0	0	7
136	National Academy of Engineering/Science members.	0	0	0	0	2
137	# of CRDAs signed by the Activity is over 10.	0	0	0	0	5
138	Annual royalty income per 100 technical staff is in the top 25%.	1	0	0	0	13
139	Annual royalty income per 100 technical staff is in the next 25%.	0	0	0	0	0
140	Number of major end item prototypes currently in use is in the top 25%.	0	0	0	0	16
141	Number of major end item prototypes currently in use is in the next 25%.	1	0	1	1	17
	LOCATION/ENVIRONMENT	2,164	1,914	1,701	2,506	2,623
142	Location is necessary to perform assigned technical functions.	0	0	0	0	6
143	Location has natural features that are essential to the mission of the facility.	0	0	0	0	21
144	Location enhances synergy with other activities and bases.	1	0	1	1	33
145	Location enhances joint use capability.	0	0	0	0	9
146	Location provides favorable weather conditions.	0	0	0	0	6
147	Location is important to customers.	0	0	0	0	18
148	Site has no endangered/threatened species and biological habitats that restrict current operations.	1	1	1	1	61
149	Site has no jurisdictional wetlands that currently restrict base operations or development plans.	0	1	0	1	61
150	Site has no National Register cultural resources that constrain base ops or devlopment plans.	1	1	0	1	60

TECHNICAL CENTERS Military Value Matrix

Que Seq	QUESTIONS	BUMED Pcola	N Orlns	Groton	GLakes	AVG./ no.
151	Base ops or development plans are not constrained by laws applying to environmental facilities/NPDES.	1	1	1	1	62
152	Site is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	1	1	0	0	19
153	Site operations or development plans have not been restricted due to air quality considerations.	1	1	1	1	58
154	Site has no Installation Restoration Issues that restrict operations or development plans.	1	1	1	1	62
155	Site has no significant maintenance dredging restrictions.	0	1	1	1	63
	QUALITY OF LIFE	5.506	5.263	4.412	6.525	4.751
156	Is there sufficient off base housing?	1	1	0	1	44
157	Do 90% or more of the housing units have all the required amenities?	0	0	0	1	34
160	Is the average wait for housing three months or less?	0	0	0	0	10
163	Are 90% of BEQ rooms adequate?	1	0	0	1	29
165	Are 90% of BOQ rooms adequate?	1	0	1	0	30
166	Does the site have >90% of the listed MWR facilities?	0	0	1	1	16
169	Are >90% of the child care facilities adequate?	1	0	1	1	41
172	Is the average wait for 0-12 month child care <180 days?	0	0	0	0	11
177	Do >50% of site military and civilian personnel live within a 30 minute commute?	1	1	1	1	46
178	Are local area educational institution programs adequate for military family members?	1	1	1	1	61
179	Are there educational opportunities at all college levels within a 30-mile radius?	1	1	1	1	60
180	Are college education courses available on the base?	1	1	1	1	55
184	Do military family members have reasonable access to medical/dental facilities?	1	1	0	1	57
185	Is the violent crime rate <758/100,000?	0	0	1	1	35
186	Is the property crime rate <4902/100,00?	0	0	1	1	36
187	Is the drug crime rate <402/100,000?	0	0	1	0	15
	COST	0.889	0.869	1.037	1.185	0.922
188	Percent of all employees employed in technical operations is more than 90.	0	0	0	0	5
189	Percent of all employees employed in technical opertions is between 70 and 90.	0	0	1	0	33
190	Percent of all employees employed in technical opertions is between 50 and 70.	1	1	0	1	13
191	Percent of all employees employed in technical opertions is between 30 and 50.	0	0	0	0	3
192	Percent of all employees employed in technical opertions is less than 30.	0	0	0	0	8
193	Percent of overhead performed by government civilians is greater than 90.	0	0	0	0	5
194	Percent of overhead performed by government civilians is between 70 and 90.	0	0	0	0	3
195	Percent of overhead performed by government civilians is between 50 and 70.	0	0	0	0	4
196	Percent of overhead performed by government civilians is between 30 and 50.	1	1	0	1	15
197	Percent of overhead performed by government civilians is less than 30.	0	0	1	0	35
198	Percent of technical operations performed by government civilians is greater than 90.	1	1	0	0	22
199	Percent of tech. operations performed by government civilians is between 70 and 90.	0	0	1	0	11
200	Percent of tech. operations performed by government civilians is between 50 and 70.	0	0	0	1	10
201	Percent of tech. operations performed by government civilians is between 30 and 50.	0	0	0	0	8
202	Percent of tech. operations performed by government civilians is less than 30.	0	0	0	0	8
	LOSS IMPACT	0.000	0.296	0.296	0.000	0.718
203	Directly impact naval force training. (20 TO 39 WYs in Training/Simulation.)	0	0	0	0	6
204	Directly impact naval force training. (40 or higher WYs in Training/Simulation.)	0	0	0	0	10
205	Directly impact existing naval force readiness. (100 to 499 WYs in Lifetime Support.)	0	0	0	0	17
206	Directly impact existing naval force readiness. (500 or higher WYs in Lifetime Support.)	0	0	0	0	10
207	Directly impact future naval force development. (100 to 499 WYs in RDT&E.)	0	0	0	0	11
208	Directly impact future naval force development (500 or higher WYs in RDT&E.)	0	0	0	0	9
209	Loss of activity adversely affects top 25% of technical mission areas.	0	0	0	0	16
210	Loss of activity adversely affects 2nd 25% of technical mission areas.	0	1	1	0	19
211	Loss of activity adversely affects 3rd 25% of technical mission areas.	0	0	0	0	5
		17.62	14.25	13.92	18.00	23.32

Document Separator

NAVFACENGCOM
Engineering Field Division
Capacity Analysis

Engineering Field Division/Activity (EFD/EFA)

- Northern Division (NDIV), Philadelphia
- Chesapeake Activity (EFACHES), Wash DC
- Atlantic Division (LANTDIV), Norfolk
- Southern Division (SDIV), Charleston
- Northwestern Activity (EFANW), Poulsbo, WA
- Western Division (WDIV), San Bruno, CA
- Southwestern Division (SWDIV), San Diego
- Pacific Division (PDIV), Pearl Harbor

EFD/EFA Mission

- Planning, design, and construction services for Navy and other DoD customers.
- Aquire and dispose of real estate.
- Technical assistance on maintenance and operations of utilities and facilities.
- Manage Navy's environmental cleanup.
- BRAC cleanup and disposal of property and caretaker after operational closure.

BRAC-93 Actions

- Realign WESTDIV: Retain in place personnel and support as a BRAC EFA under SWDIV
- No other recommendations relating to Engineering Field Activities or Engineering Field Divisions

Capacity Analysis

- Requirement taken from capacity data call, as either the performed or predicted workyears.
- Capacity determined from peak workyear between 1991 - 1994
- Capacity matched against requirement by year
- Percent excess capacity determined

EFD/EFA CAPACITY ANALYSIS

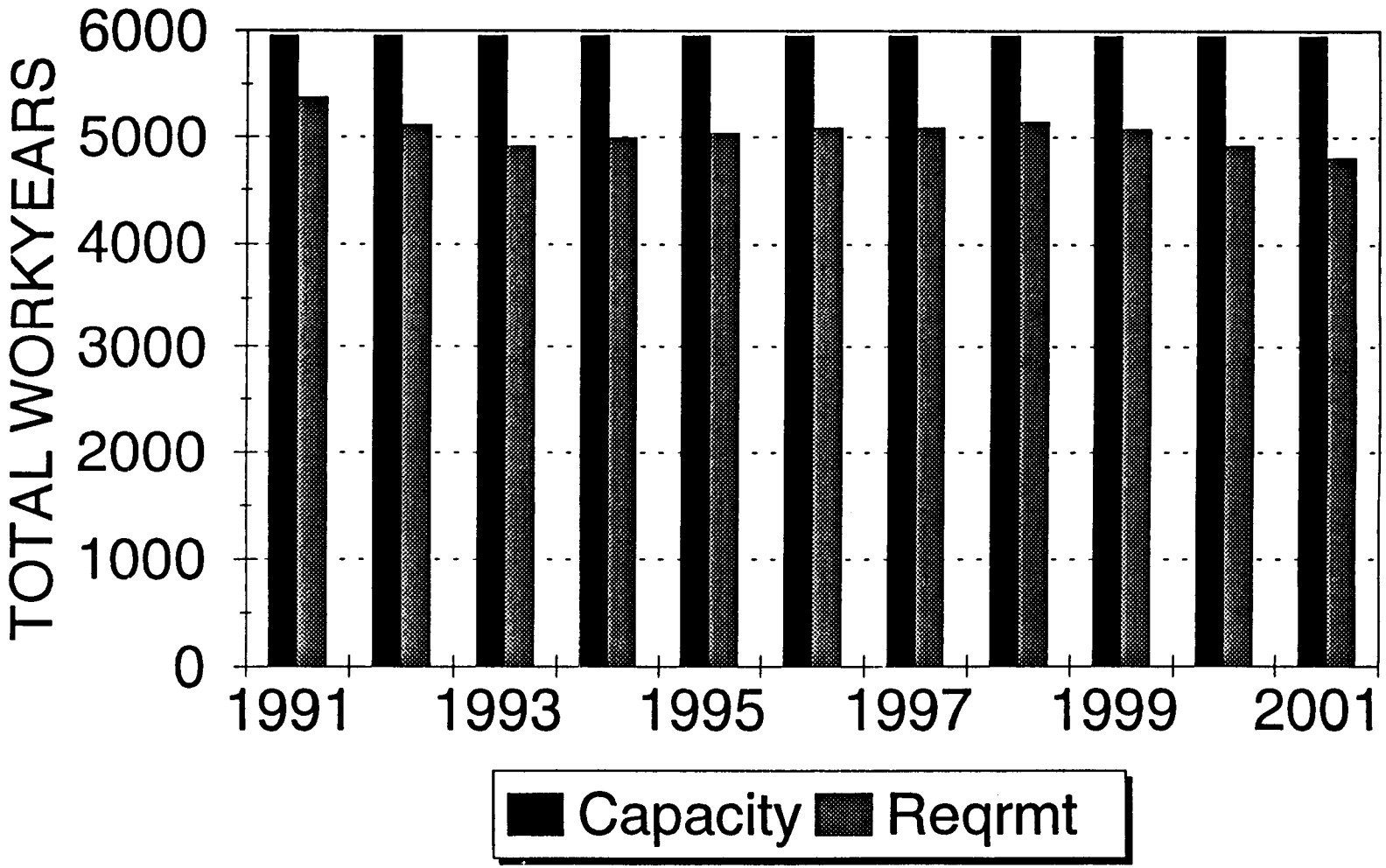
FY	CAPACITY MEASURE	Throughput			Percent Excess
		Predicted	Capacity	Excess	
1991	Budgeted Gov't Workyears	5367	5955	588	9.87%
1992	Budgeted Gov't Workyears	5114	5955	841	14.12%
1993	Budgeted Gov't Workyears	4904	5955	1051	17.65%
1994	Budgeted Gov't Workyears	4984	5955	971	16.31%
1995	Budgeted Gov't Workyears	5036	5955	919	15.43%
1996	Budgeted Gov't Workyears	5089	5955	866	14.54%
1997	Budgeted Gov't Workyears	5088	5955	867	14.56%
1998	Budgeted Gov't Workyears	5142	5955	813	13.65%
1999	Budgeted Gov't Workyears	5080	5955	875	14.69%
2000	Budgeted Gov't Workyears	4915	5955	1040	17.46%
2001	Budgeted Gov't Workyears	4806	5955	1149	19.29%

BREAKOUT OF WORKYEARS BY EFD (BOLD=Peak)

FY	LANTDIV	WDIV	EFACHES	SDIV	NDIV	SWDIV	PACDIV	EFANW	TOTAL
1991	982	**1105**	**522**	822	**739**	455	636	106	5367
1992	965	744	501	790	685	650	**670**	109	5114
1993	1004	433	454	831	585	775	622	200	4904
1994	**1023**	438	377	**864**	622	**820**	628	**212**	4984
1995	1066	392	377	875	646	845	623	212	5036
1996	1102	344	373	935	613	875	632	215	5089
1997	1113	355	370	919	594	887	632	218	5088
1998	1113	384	370	934	598	897	631	215	5142
1999	1112	357	370	918	580	900	631	212	5080
2000	1112	244	370	890	555	901	631	212	4915
2001	1112	178	370	864	547	901	622	212	4806
PEAK WY	1023	1105	522	864	739	820	670	212	5955
YEAR	1994	1991	1991	1994	1991	1994	1992	1994	

CAPACITY ANALYSIS

EFD WYs: Requirement vs. Capacity



EFD/EFA Capacity Analysis Summary

- Excess capacity exists (up to 19 %, FY2001)
- Impact on potential future workload should be evaluated against BRAC 1995 closures

Recommendation

- ❑ Conclude that EFDs have excess capacity.
- ❑ Proceed with Military Value Analysis.
- ❑ Re-examine need to downsize or realign EFDs after scenario development of closures.

EFD Military Value Responses - 2/16/95

finmv	E	F	G	H	I	J	K	Z	AA	AB	AC	AD	AE	AF	AG
1	EFD MILITARY VALUE MATRIX	Military Criteria													
2		R	F	M	C										
3	Matrix Question	40	20	10	30	Score	Weight	NDIV	EFACHE	LANTDV	SDIV	EFANW	WDIV	SWDIV	PACDIV
4	CUSTOMER SUPPORT SERVICES	12	2	2	9		26.31	10.17	9.92	21.84	16.27	9.92	9.57	12.39	14.15
5	The EFD manages over 300K acres	1	1	0	0	6	2.54	0	0	1	0	0	1	1	0
6	The EFD/EFA manages contracts greater than 2.25% of CPV	1	0	0	1	6	2.03	1	1	0	1	1	1	0	0
7	The EFD/EFA manages housing units	1	1	0	0	6	2.54	1	0	1	1	0	0	1	1
8	The EFD/EFA does Facility Planning for >65 bases	1	0	0	1	6	2.03	1	0	1	1	0	0	0	0
9	The EFD Provides technical/legal support	1	0	0	1	6	2.03	1	1	1	1	1	1	1	1
10	There have been space/personnel/mission changes since 19	1	0	0	0	3	0.61	1	1	1	1	1	1	1	1
11	There are other known future additions to mission or suppor	1	0	1	1	4	2.69	0	0	1	0	0	0	0	1
12	The EFD/EFA's customer base increased since FY1988	1	0	0	1	5	1.69	0	0	1	1	0	0	1	0
13	The EFD/EFA provides contracting services for non-Navy loc	0	0	1	1	2	0.93	1	1	1	1	1	1	1	1
14	CPV of customer base is greater than $22B	1	0	0	0	10	2.04	0	0	1	1	0	0	1	1
15	The EFD/EFA manages contracts over 400 million	1	0	0	0	7	1.43	0	0	1	1	0	1	0	0
16	The EFD/EFA customer base will not be diminished as a resu	1	0	0	1	10	3.38	0	1	0	0	1	0	0	0
17	The EFD/EFA customer base will not be reduced by more tha	1	0	0	1	7	2.37	0	0	1	0	0	0	0	1
18	The EFD volume of contracts per capita is greater than $950	0	0	0	1	7	0.94	0	1	1	1	1	0	0	1
19	LOCATION	9	0	4	8	0	22.18	5.94	13.30	14.40	5.53	14.43	7.26	18.14	9.97
20	Your #1 customer is within 100 miles of your location	1	0	0	1	10	3.38	0	1	1	1	1	0	1	0
21	Your #2 customer is within 100 miles of your location	1	0	0	1	9	3.04	0	1	0	0	0	0	1	0
22	Your #3 customer is within 100 miles of your location	1	0	0	1	8	2.70	1	1	0	0	1	0	1	1
23	The activities location helps in the hiring of qualified person	0	0	0	1	1	0.13	1	1	1	1	1	1	1	1
24	The activity has a role in regional emergency response actio	1	0	1	0	2	1.07	1	0	1	0	1	1	1	0
25	Reserve units train at this installations/compound	1	0	1	1	3	2.01	0	1	1	1	0	1	1	1
26	More than 50 reservists train at this location per month	1	0	1	1	4	2.69	0	0	1	0	0	1	0	0
27	The closest DON activity not serviced by you is more than 20	1	0	0	1	4	1.35	0	0	1	0	1	1	0	1
28	The furthest in CONUS customer from this location is less th	1	0	0	1	6	2.03	1	1	0	0	1	0	1	0
29	This EFD/EFA serves customers out CONUS	1	0	1	0	7	3.76	0	0	1	0	1	0	1	1
30	SPECIAL MISSION	4	2	2	3	0	12.99	5.90	1.22	11.03	3.90	0.00	0.00	0.00	5.90
31	The EFD/EFA has specialized, unique or peculiar facilities, e	1	1	0	1	7	3.90	1	0	1	1	0	0	0	0
32	There are unique, service particular functions performed by t	1	1	0	1	7	3.90	0	0	1	0	0	0	0	1
33	The EFD/EFA has a special support mission	1	0	0	0	6	1.22	0	1	1	0	0	0	0	0
34	Realignments to 1997 will add non-DOD or civilian support m	0	0	1	1	2	0.93	0	0	0	0	0	0	0	0
35	The EFD/EFA will support other new active military missions	1	0	0	0	5	1.02	0	0	0	0	0	0	0	0
36	The EFD/EFA has a mobilization requirement	0	0	1	0	6	2.00	1	0	1	0	0	0	0	1
37	WORKLOAD CAPABILITY	4	4	0	8	0	22.17	2.37	14.46	16.94	12.55	7.55	9.28	18.00	4.84
38	Workyears from FY91 to FY94 increased or remain the same	0	1	0	1	7	2.48	0	0	1	1	1	0	1	0
39	Workyears from FY95 to FY2001 will increase	0	1	0	1	10	3.54	0	0	1	0	0	0	1	0
40	Work in Place (Income Bearing (IB) + Non-IB) from FY91 to F	0	1	0	1	7	2.48	0	1	1	1	0	0	0	1
41	WIP (IB + NIB) from FY95 to FY97 will increase	0	1	0	1	10	3.54	0	1	0	1	0	1	1	0
42	Caretaker Support Office WYs is not > 5% of the total WYS in	1	0	0	1	8	2.70	0	1	1	0	1	0	1	0

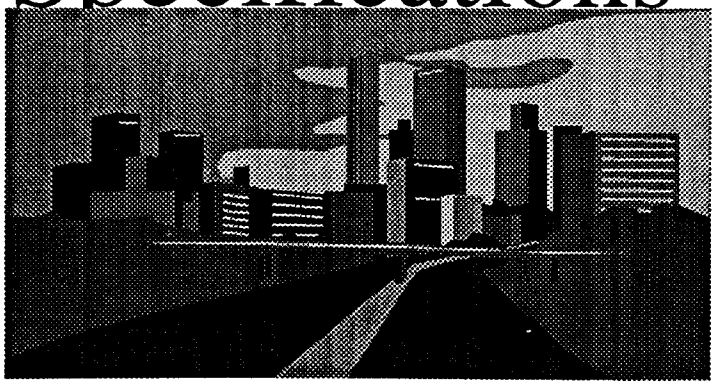
EFD Military Value Responses - 2/16/95

finmv	E	F	G	H	I	J	K	Z	AA	AB	AC	AD	AE	AF	AG
43	Caretaker Support Office WYs is not > 10% of the total WYS I	1	0	0	1	5	1.69	0	0	0	1	0	0	0	0
44	Environmental costs (all) increased from FY91-94	1	0	0	1	7	2.37	1	1	1	1	1	1	1	1
45	Environmental costs (all) increased from FY95-97	1	0	0	1	10	3.38	0	1	1	0	0	1	1	0
46	FACILITIES + COST	0	5	0	5	0	8.14	0.00	5.31	3.18	1.77	0.00	5.31	2.12	5.31
47	EFD/EFA occupies government owned space	0	1	0	1	6	2.12	0	1	1	0	0	1	1	1
48	There is government owned expansion space avail	0	1	0	1	5	1.77	0	1	0	0	0	1	0	1
49	Can the EFD's capacity be increased (i.e. no limiting factors)	0	1	0	1	4	1.41	0	1	0	0	0	1	0	1
50	The area cost factor is less than 0.9	0	1	0	1	5	1.77	0	0	0	1	0	0	0	0
51	The area cost factor is between 0.9 and 1.0	0	1	0	1	3	1.06	0	0	1	0	0	0	0	0
52	QUALITY OF LIFE	3	2	0	8	0	7.29	2.97	1.62	4.39	5.60	5.87	2.70	5.47	4.32
53	Does the site have >90% of the listed MWR Facilities	0	1	0	1	4	1.41	0	0	0	0	0	0	0	0
54	Do > 50% of site military and civilian personnel live within a	1	0	0	1	4	1.35	1	0	0	1	1	1	1	1
55	There are educational opportunities at all coll. levels within 3	1	0	0	1	4	1.35	1	1	1	1	1	1	1	1
56	Are college education courses available on the base	1	0	0	1	4	1.35	0	0	1	1	1	0	1	1
57	Is there sufficient off base housing	0	1	0	1	4	1.41	0	0	1	1	1	0	1	0
58	Is the property Crime rate less than 4902 per 100000	0	0	0	1	1	0.13	1	1	0	0	1	0	0	0
59	Is the violent crime rate less than 758 per 100,000	0	0	0	1	1	0.13	1	0	1	0	1	0	0	1
60	Is the drug crime rate less than 402 per 100,000	0	0	0	1	1	0.13	0	1	1	1	1	0	0	1

EFD Military Value Responses - 2/16/95

audit	D	E	K	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
94		**MILITARY VALUE AREA**		NDIV	EFACHES	LANTDV	SDIV	EFANW	WDIV	SWDIV	PACDIV		MEAN
95		**Customer Support Services**		10.17	9.92	21.84	16.27	9.92	9.57	12.39	14.15		13.03
96		Customer Support Services rank		5	6	1	2	6	8	4	3		
97		Customer Support Services difference from mean		-2.86	-3.11	8.81	3.24	-3.11	-3.46	-0.64	1.12		
98		**LOCATION**		5.94	13.30	14.40	5.53	14.43	7.26	18.14	9.97		11.122
99		Location rank		7	4	3	8	2	6	1	5		
100		Location difference from mean		-5.18	2.18	3.28	-5.59	3.31	-3.86	7.02	-1.16		
101		**SPECIAL MISSION**		5.90	1.22	11.03	3.90	0.00	0.00	0.00	5.90		3.4965
102		Special Mission rank		2	5	1	4	6	6	6	2		
103		Special Mission difference from mean		2.4081	-2.272	7.5371	0.4081	-3.4965	-3.4965	-3.4965	2.4081		
104		**WORKLOAD CAPABILITY**		2.37	14.46	16.94	12.55	7.55	9.28	18.00	4.84		10.748
105		Workload Capability rank		8	3	2	4	6	5	1	7		
106		Workload Capability difference from mean		-8.382	3.7151	6.1911	1.7969	-3.2021	-1.4649	7.2522	-5.9062		
107		**FACILITIES AND COST**		0.00	5.31	3.18	1.77	0.00	5.31	2.12	5.31		2.8739
108		Facilities and Cost rank		7	1	4	6	7	1	5	1		
109		Facilities and Cost difference from mean		-2.874	2.4317	0.3095	-1.105	-2.8739	2.4317	-0.7516	2.4317		
110		**QUALITY OF LIFE**		2.97	1.62	4.39	5.60	5.87	2.70	5.47	4.32		4.1194
111		Quality of Life rank		6	8	4	2	1	7	3	5		
112		Quality of Life difference from mean		-1.147	-2.4995	0.2674	1.4855	1.7533	-1.4153	1.3516	0.2046		
113		**TOTAL MILITARY VALUE**		27.36	45.84	71.78	45.62	37.77	34.13	56.12	44.49		45.389
114		Overall Rank		8	3	1	4	6	7	2	5		
115		Military Value Differential		-18.03	0.4467	26.393	0.2328	-7.6151	-11.262	10.735	-0.8995		

Engineering Field Division/ Engineering Field Activity Configuration Model Specifications



ENCL (17)

Approach

- Parameters included:
  - EFD capacity in WYs based on maximum workyears FY1991-FY1994
  - FY2001 WYs is requirement
  - Engineering Field Divisions vs. Engineering Field Activities treated equally
- Objective Function:
  - Minimize excess capacity

Initial Configuration Model Rules

- Average Military Value is maintained

Model Output Measures

- EFD/EFAs open or closed

Generation of Alternatives

Model allows the generation of three solution sets

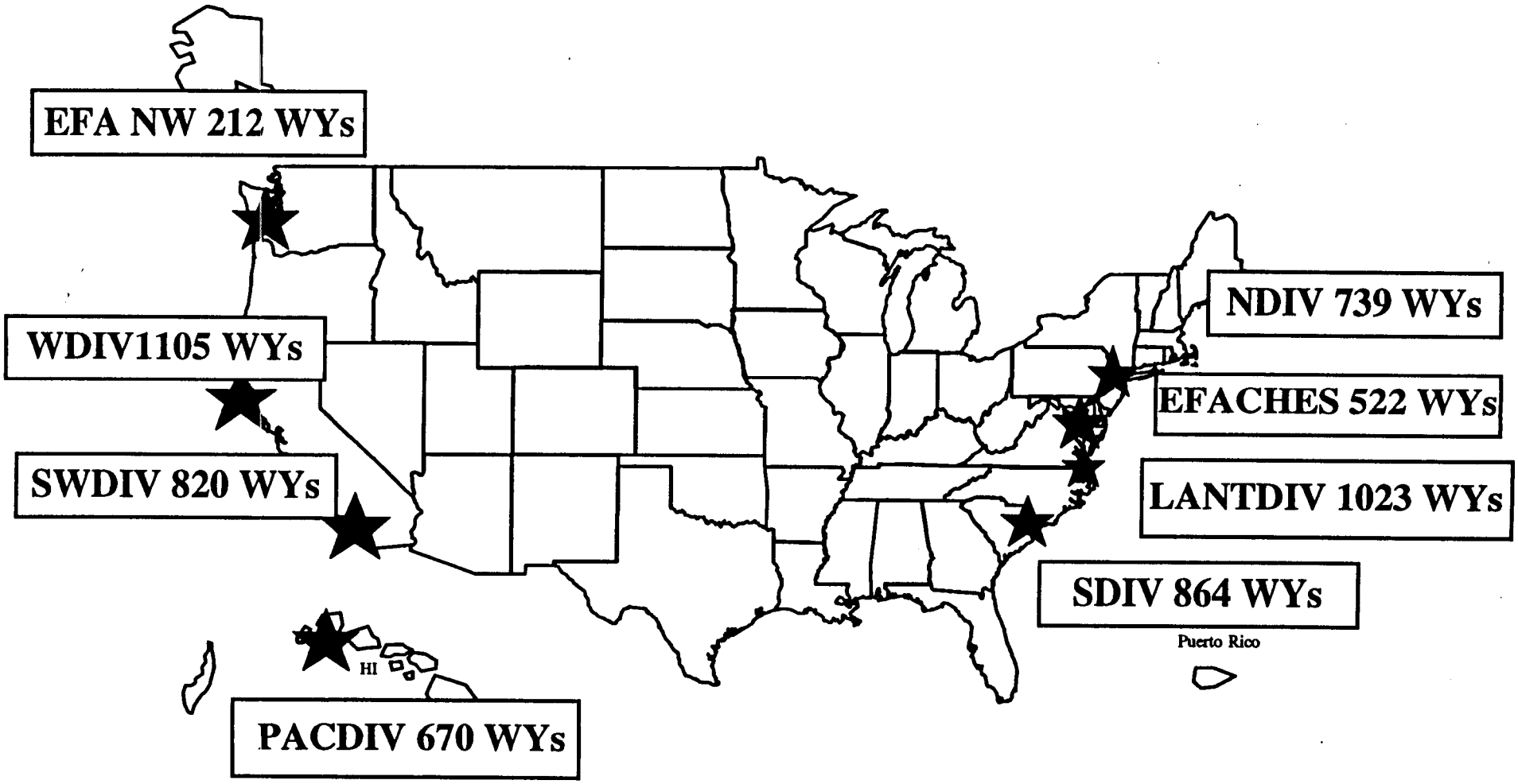
- Best solution-for a given set of constraints and data
- Next best-obtained by excluding the first solution
- Third best-obtained by excluding the first two solutions

Sensitivity Analysis

Sensitivity analyses can accommodate

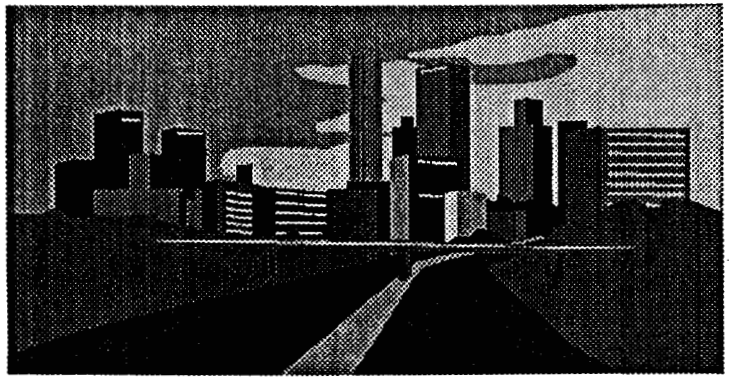
- Reduce requirements by:
  - 10 %
  - 20 %
- Increase requirement by:
  - + 10 %

EFD/EFAs


EFA NW 212 WYs
WDIV1105 WYs
SWDIV 820 WYs
PACDIV 670 WYs
HI
NDIV 739 WYs
EFACHES 522 WYs
LANTDIV 1023 WYs
SDIV 864 WYs
Puerto Rico

EFD/EFA	MV	WYs
LANTDIV	70.12	1023
SWDIV	56.12	820
CHES	45.84	522
SDIV	45.62	864
EFA NW	41.31	212
PACDIV	41.19	670
WDIV	34.13	1105
NDIV	30.40	739
Total Capacity		5955
Total Requirement		4806
Excess Workyears FY2001		1149

Engineering Field Division/ Engineering Field Activity Configuration Model Results



EFD/EFA Configuration Results

- First Solution
  - Close WDIV
    - Closes one EFA
    - Maintains imperative of "storefront" operation for the fleet

EFD/EFA Configuration Results

- Second Solution
  - Close SDIV and EFA NW
    - Closes one EFD, one EFA
    - Eliminates “storefront” in the NW

EFD/EFA Configuration Results

- Third Solution
  - Close NDIV and EFA NW
    - Closes two EFAs
    - Eliminates “storefront” in the NW

Document Separator

4-20-94

MARINE CORPS BASE

Capacity Analysis

ENCLOSURE (5)

Capacity Measures

- Three Marine Corps Bases included in analysis
- Force structure of 174K
  - 15,200 Marines currently forward based
- Capacity is measure of:
  - Maintenance Space (square feet)
  - Covered Storage Space (square feet)
  - Barracks (# of beds)
  - Messing (square feet)
  - Admin Spaces (square feet)

Military Value Measures

Other infrastructure is military value.

- Training ranges/maneuver areas
  - Utilization not accurate measure of capacity
  - Available contiguous to each MCB
- Married Family Housing
  - Civilian housing availability determines requirement

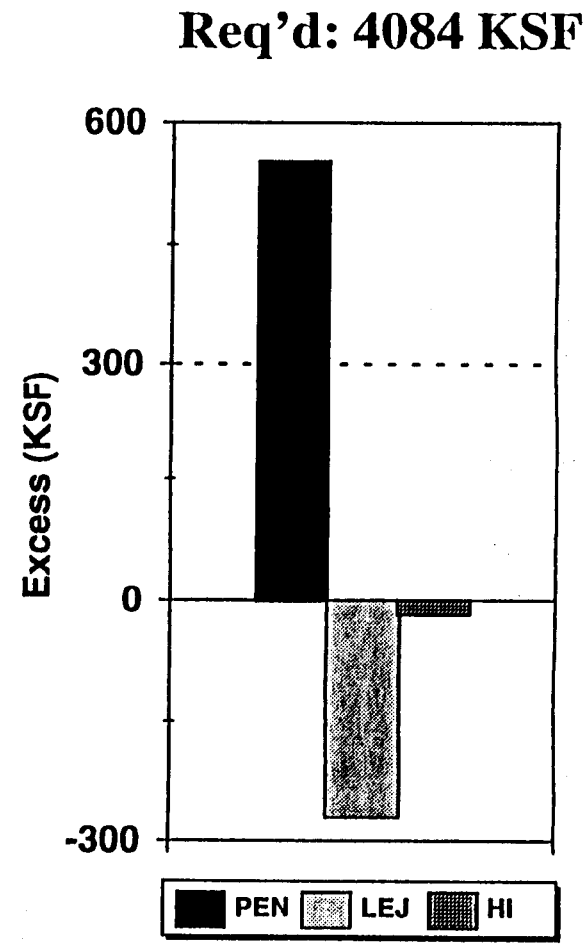
Net Capacity Results

- Maintenance Space -- +6.1%
- Covered Storage -- +12.9%
- Enlisted Barracks -- +11.9%
- Enlisted Messing -- +16.1%
- Admin Spaces -- +22.7%

Limited net excess capacity exists

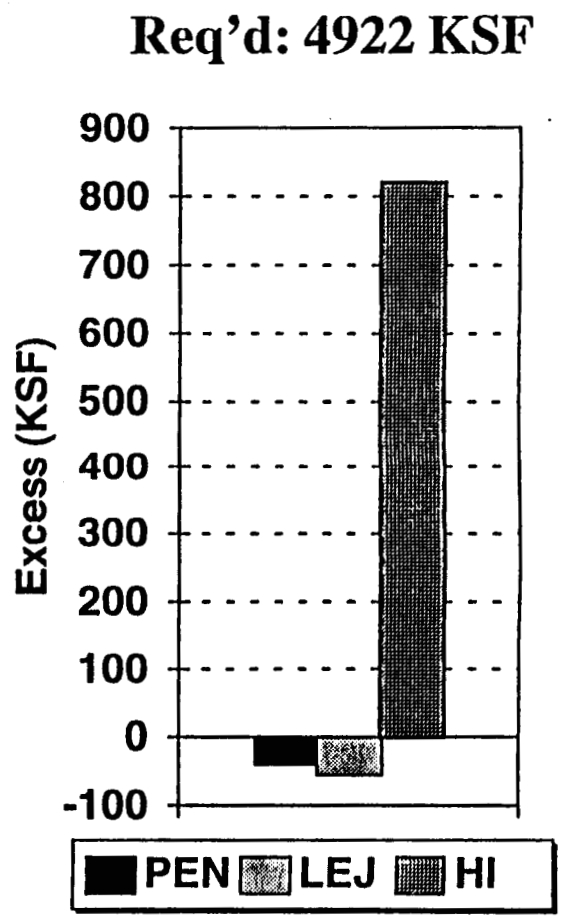
Maintenance Space Considerations

- 6.1% net excess
- Camp Pendleton is only base with excess



Covered Storage

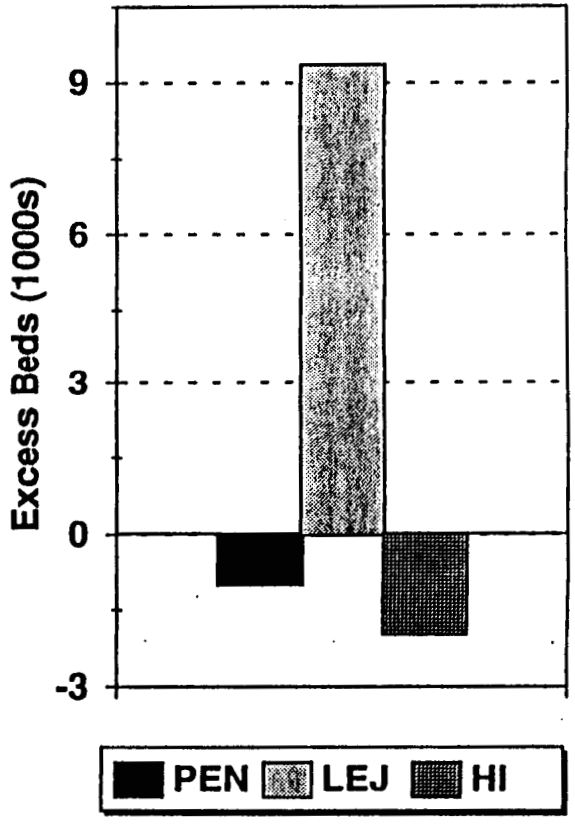
- 12.9% net excess
- MCB Hawaii is only base with excess



Barracks Considerations

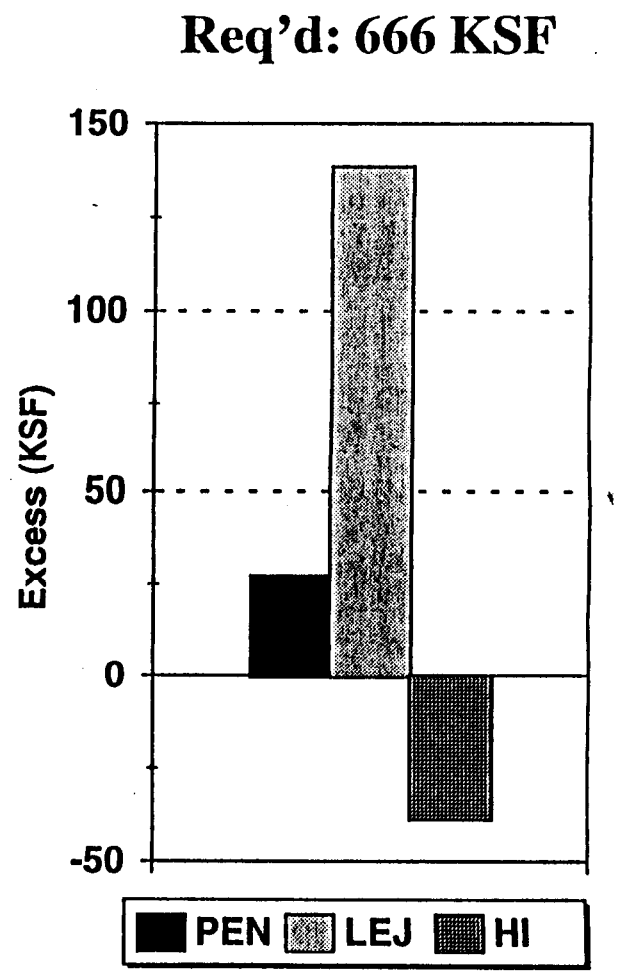
- 11.9% net excess
- Camp Lejeune is only base with excess

Req'd: 47,389 beds



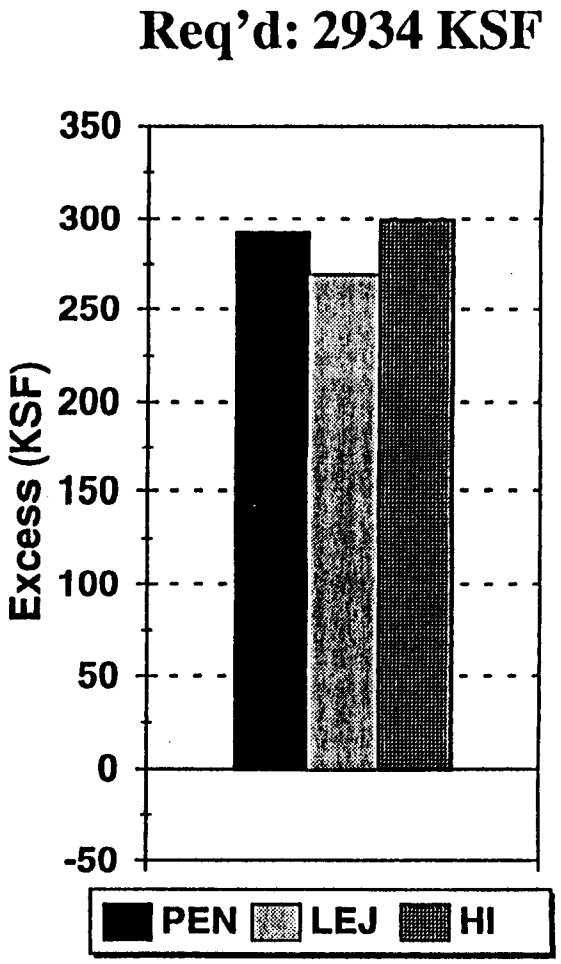
Messing Considerations

- 16.1% net excess
- Camp Lejeune has majority of excess



Admin Spaces

- 22.7% net excess
- Not a capacity driver



Excess Capacity Summary

- Camp Pendleton
  - Maintenance space capacity
- Camp Lejeune
  - Barracks capacity
  - Messing capacity
- MCB Hawaii
  - Covered storage capacity

- Excess admin space distributed among all MCBs

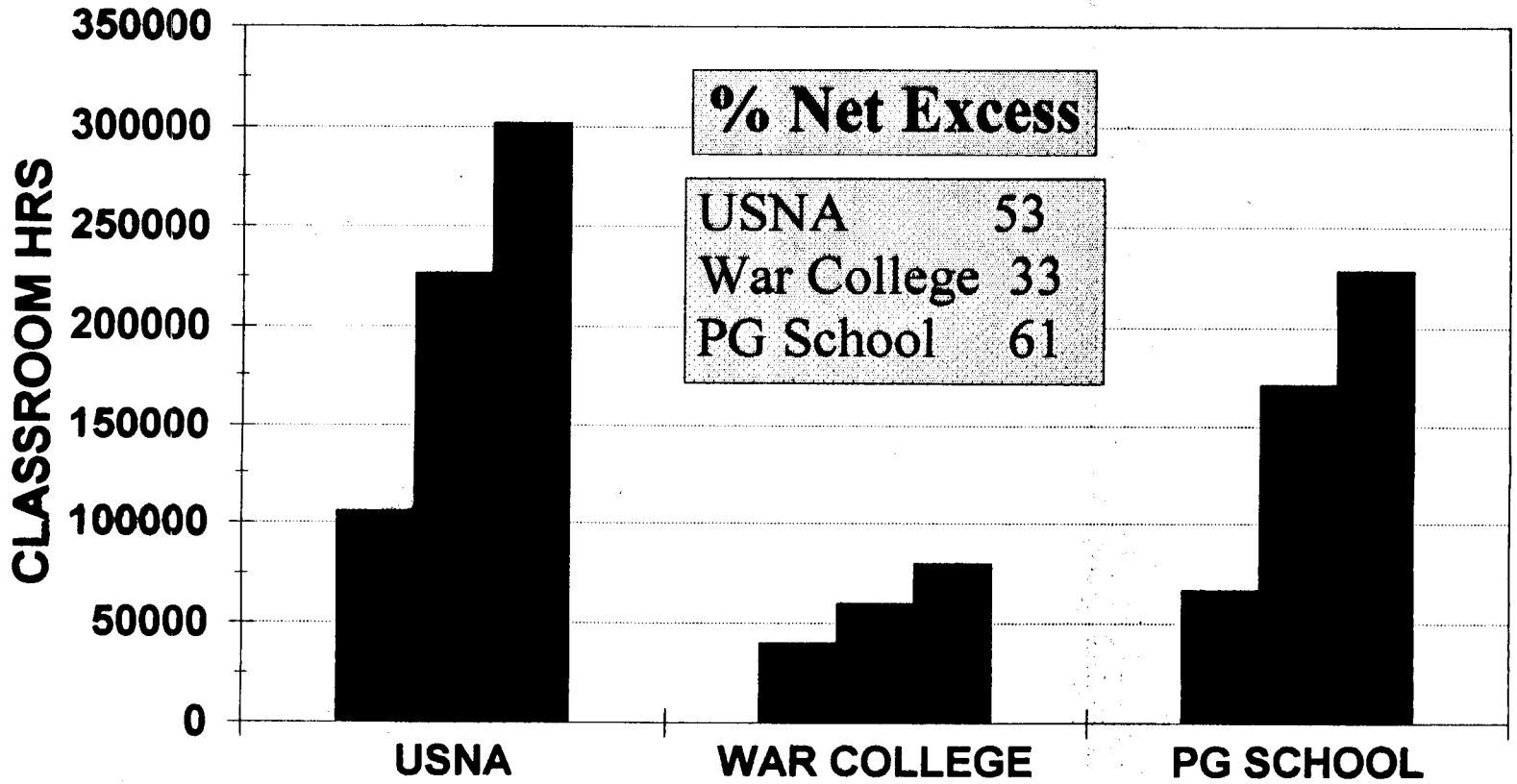
Additional Considerations

- Excess capacity analysis does not include rollback of forward based non-aviation units
- Additional berthing and messing capacity is required to support transients in training
- When amount & condition of available excess capacity is considered, insufficient excess exists to close any base

- Recommend: Remove Marine Corps Bases from further consideration

Document Separator

DEGREE GRANTING INSTITUTIONS
CAPACITY ANALYSIS

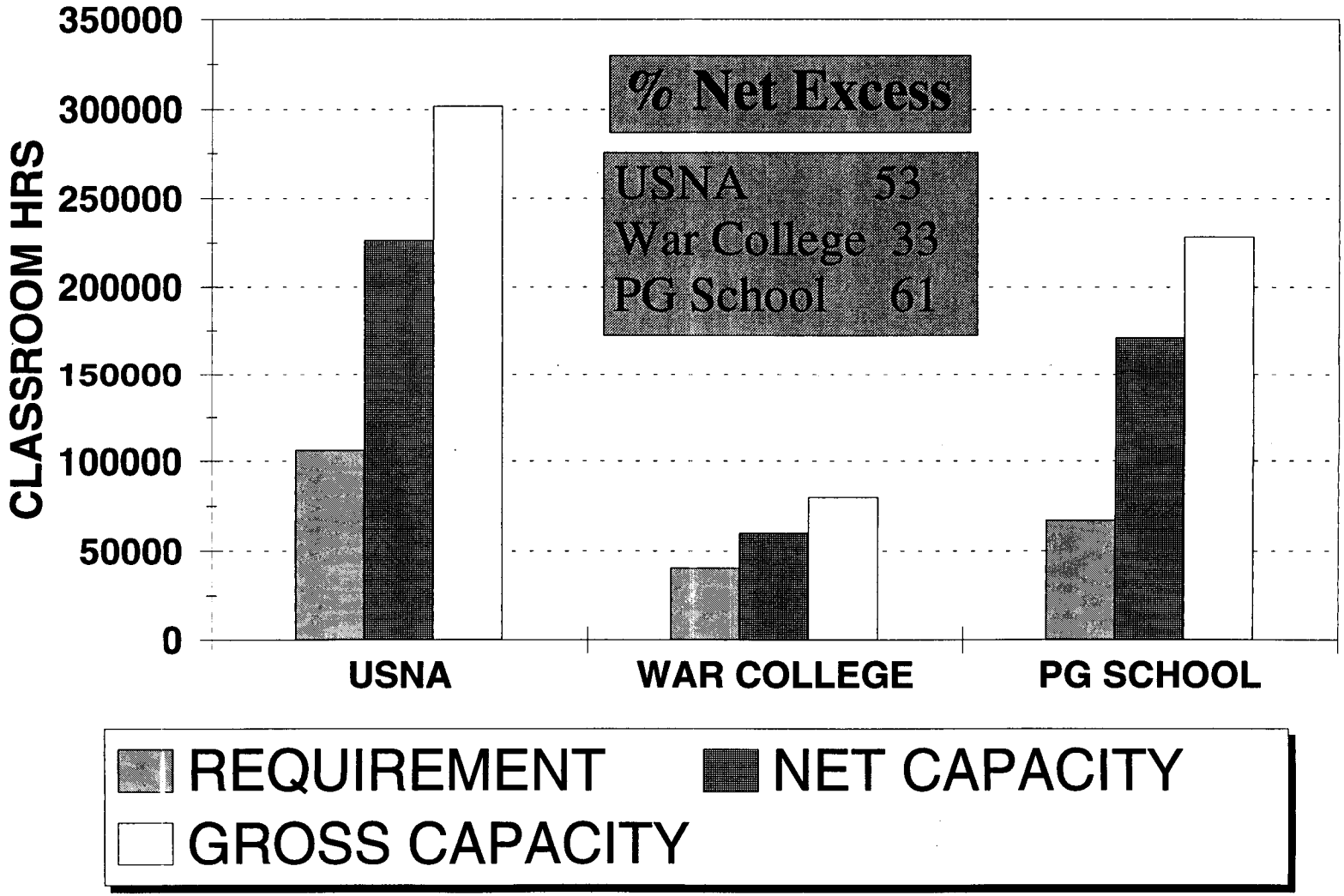


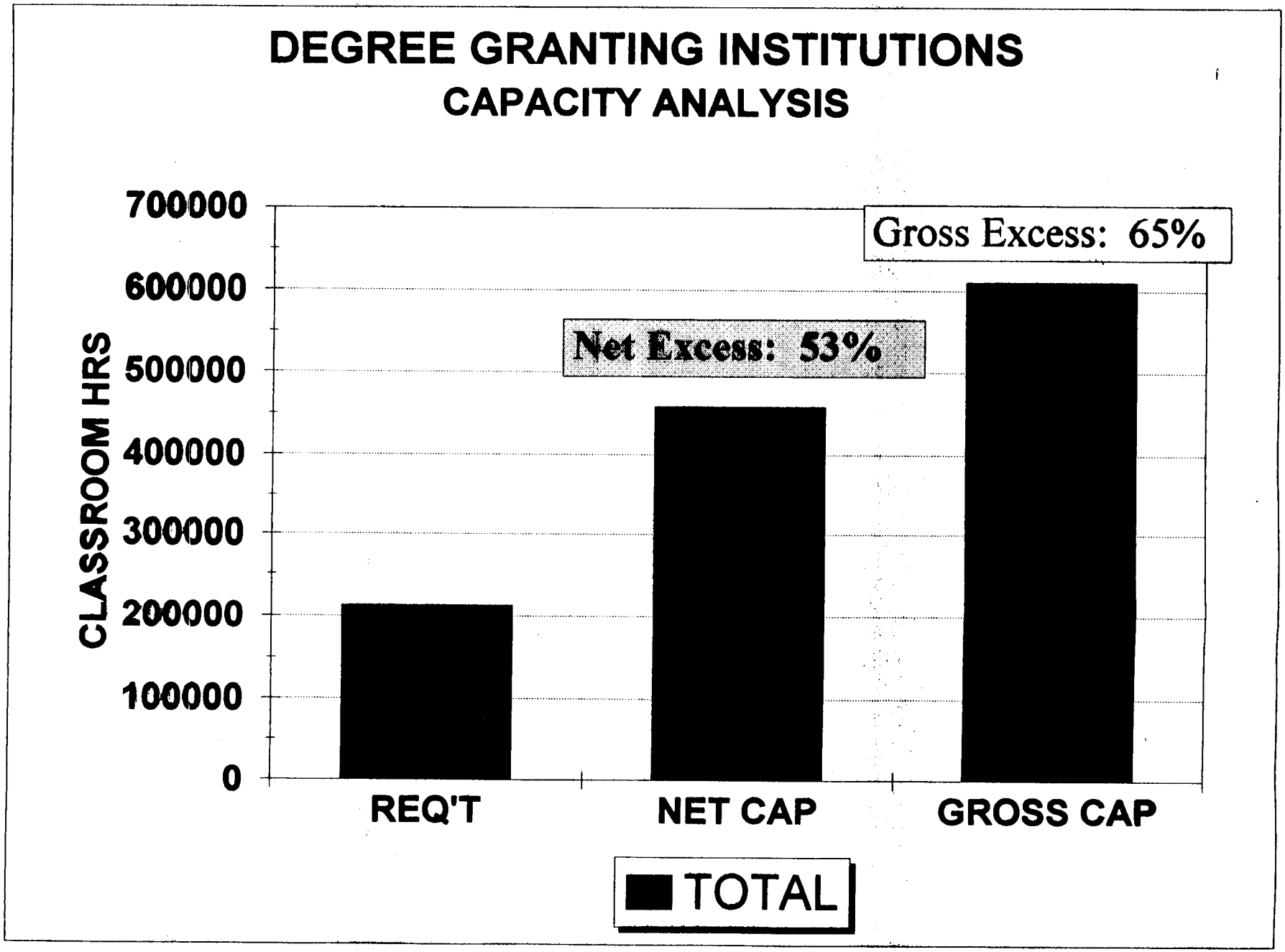
% Net Excess

USNA	53
War College	33
PG School	61

REQUIREMENT
NET CAPACITY
GROSS CAPACITY

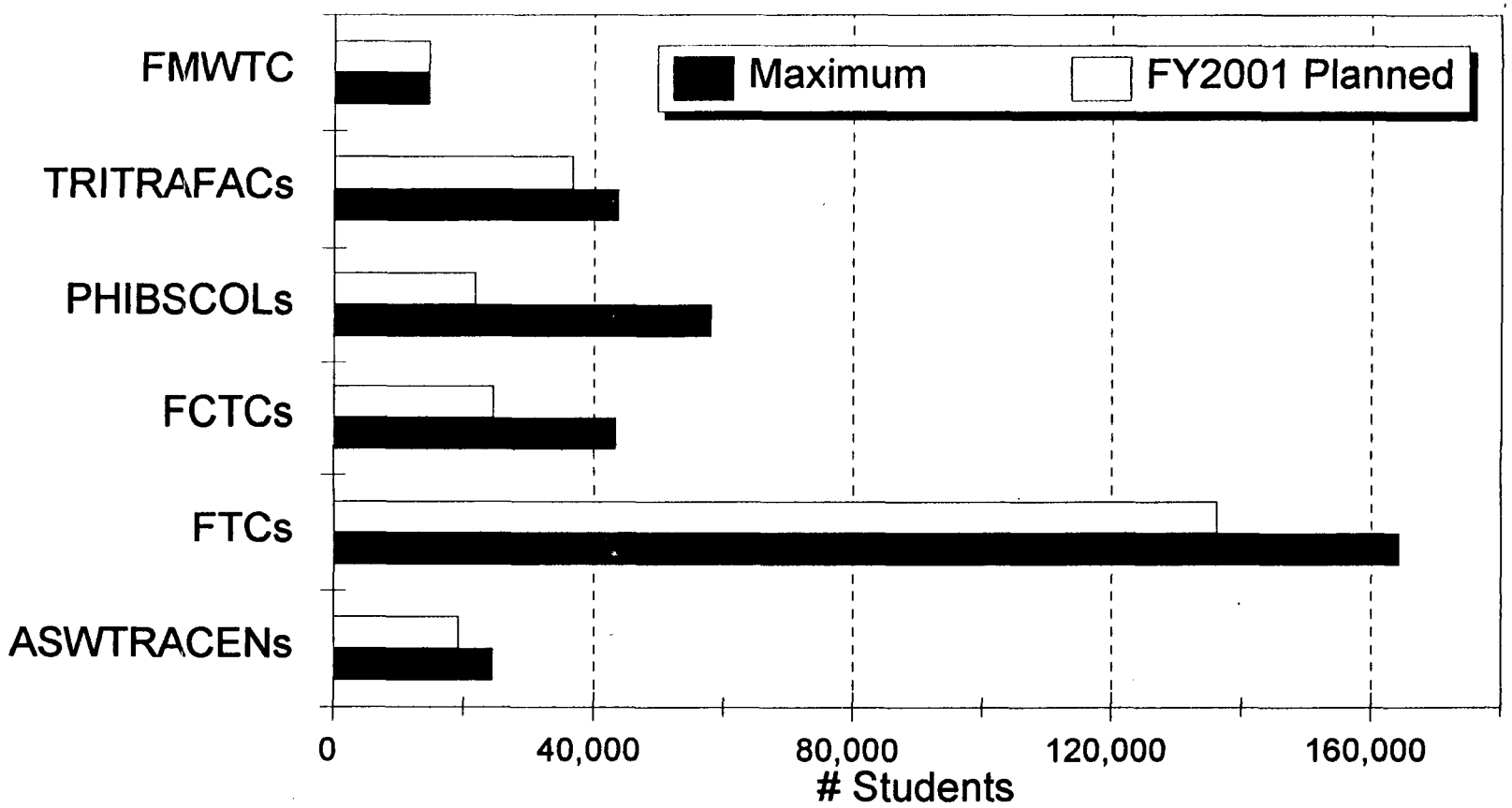
DEGREE GRANTING INSTITUTIONS
CAPACITY ANALYSIS

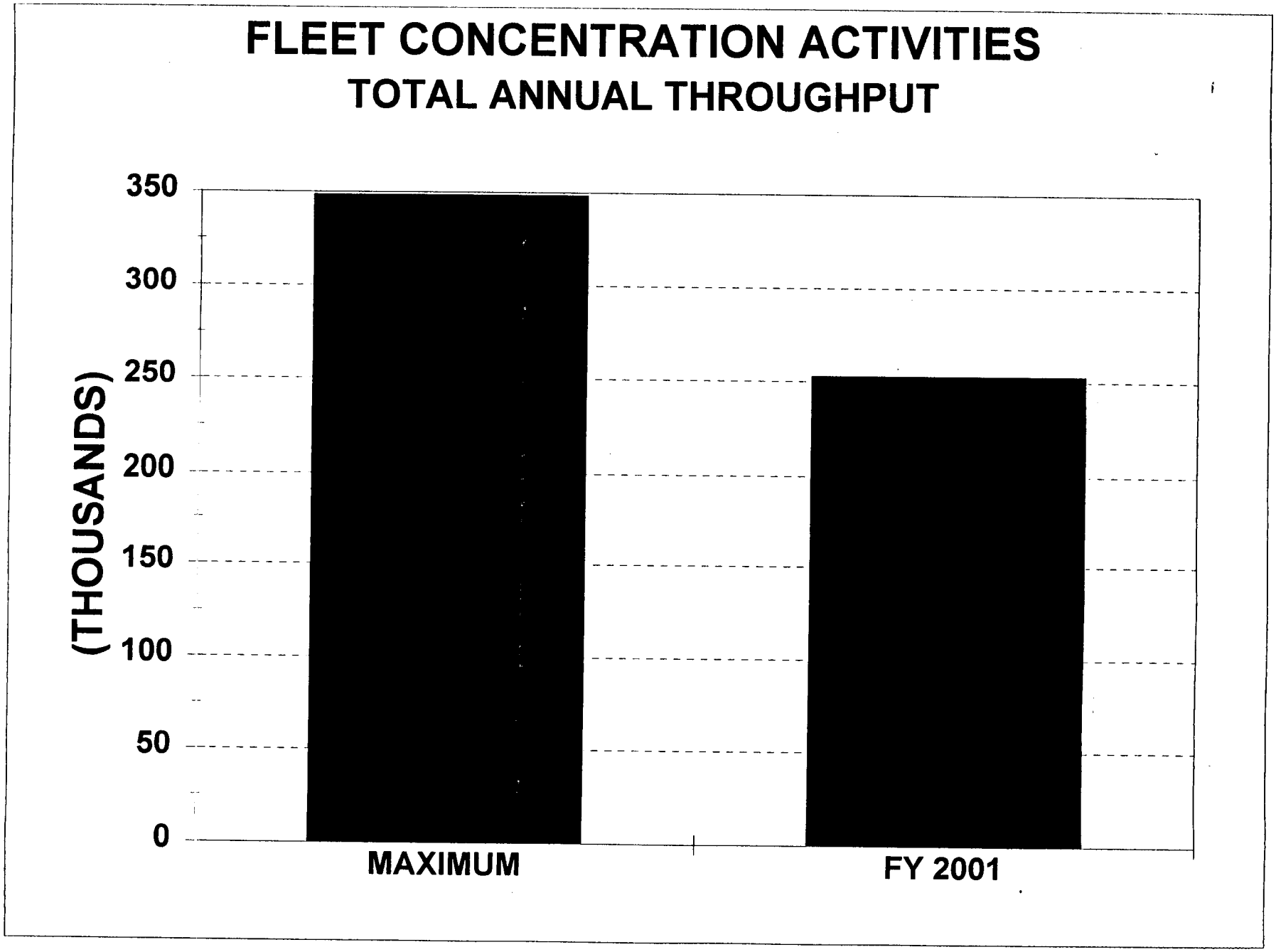


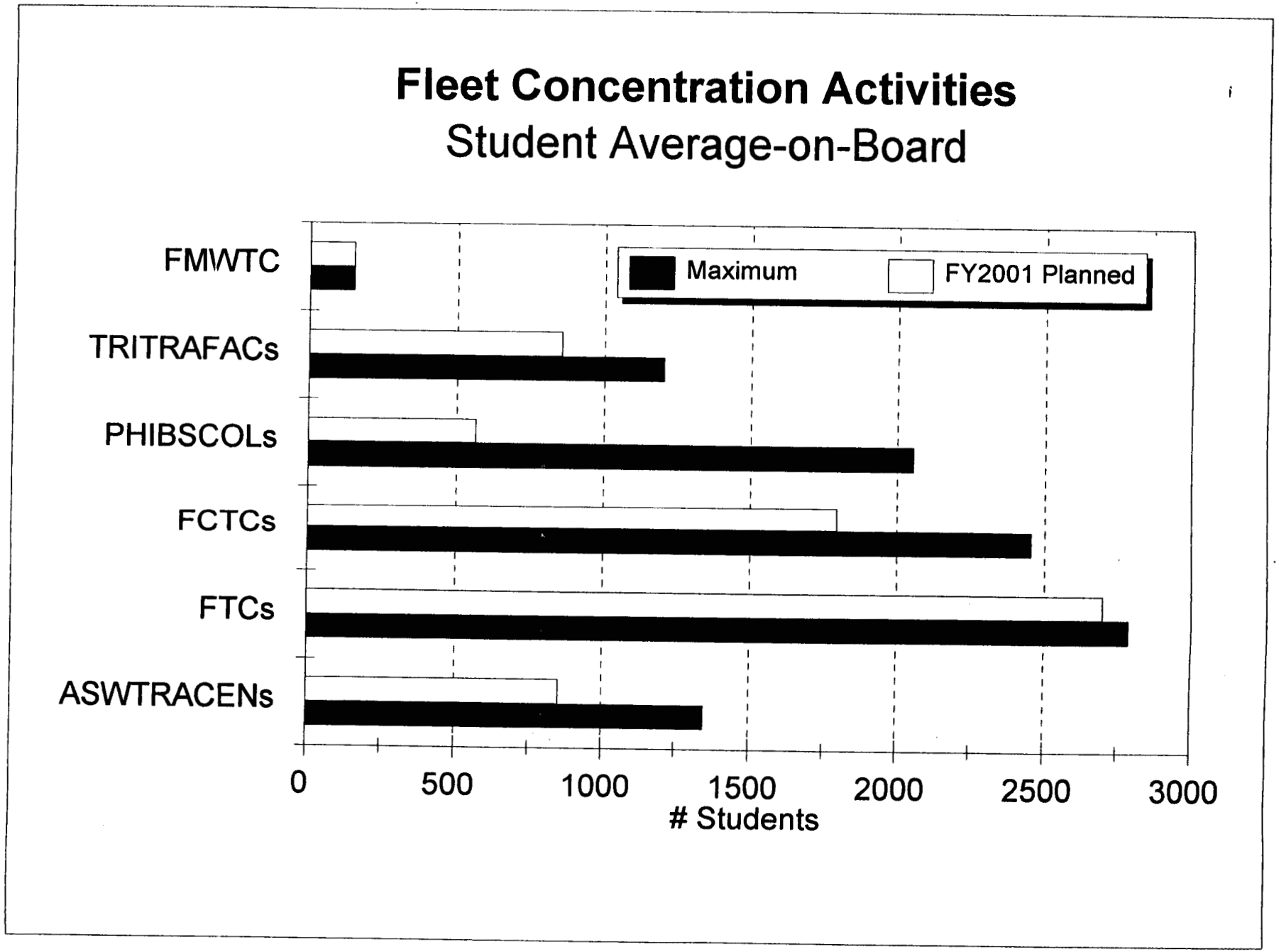

DEGREE GRANTING INSTITUTIONS
CAPACITY ANALYSIS
CLASSROOM HRS
700000
600000
500000
400000
300000
200000
100000
0
Gross Excess: 65%
Net Excess: 53%
REQ'T
NET CAP
GROSS CAP
TOTAL

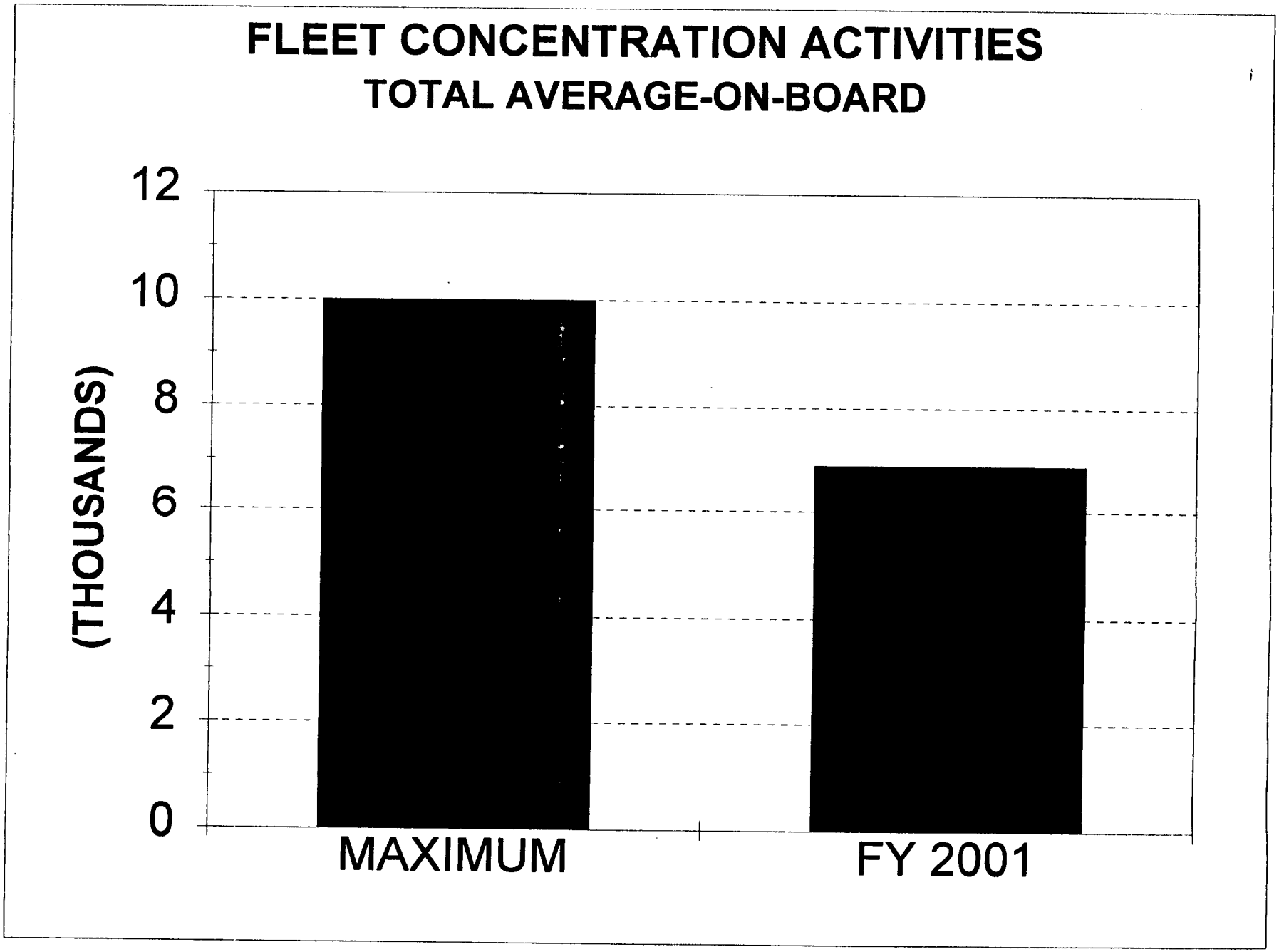
Fleet Concentration Activities

Student Throughput



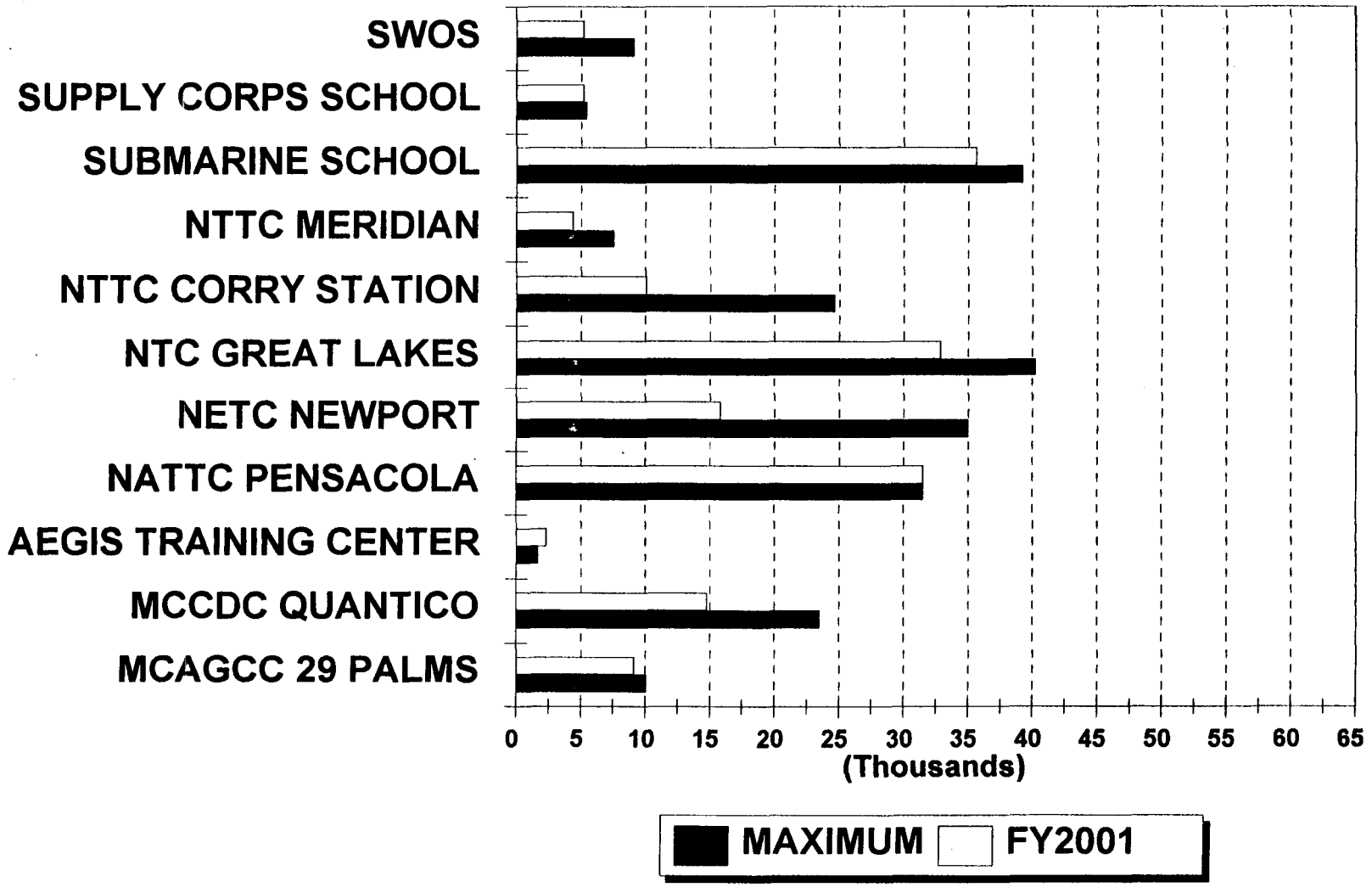

FLEET CONCENTRATION ACTIVITIES
TOTAL ANNUAL THROUGHPUT
(THOUSANDS)
350
300
250
200
150
100
50
0
MAXIMUM
FY 2001


Fleet Concentration Activities
Student Average-on-Board
FMWTC
TRITRAFACs
PHIBSCOLs
FCTCs
FTCs
ASWTRACENs
Maximum
FY2001 Planned
0
500
1000
1500
2000
2500
3000
Students


FLEET CONCENTRATION ACTIVITIES
TOTAL AVERAGE-ON-BOARD
(THOUSANDS)
12
10
8
6
4
2
0
MAXIMUM
FY 2001

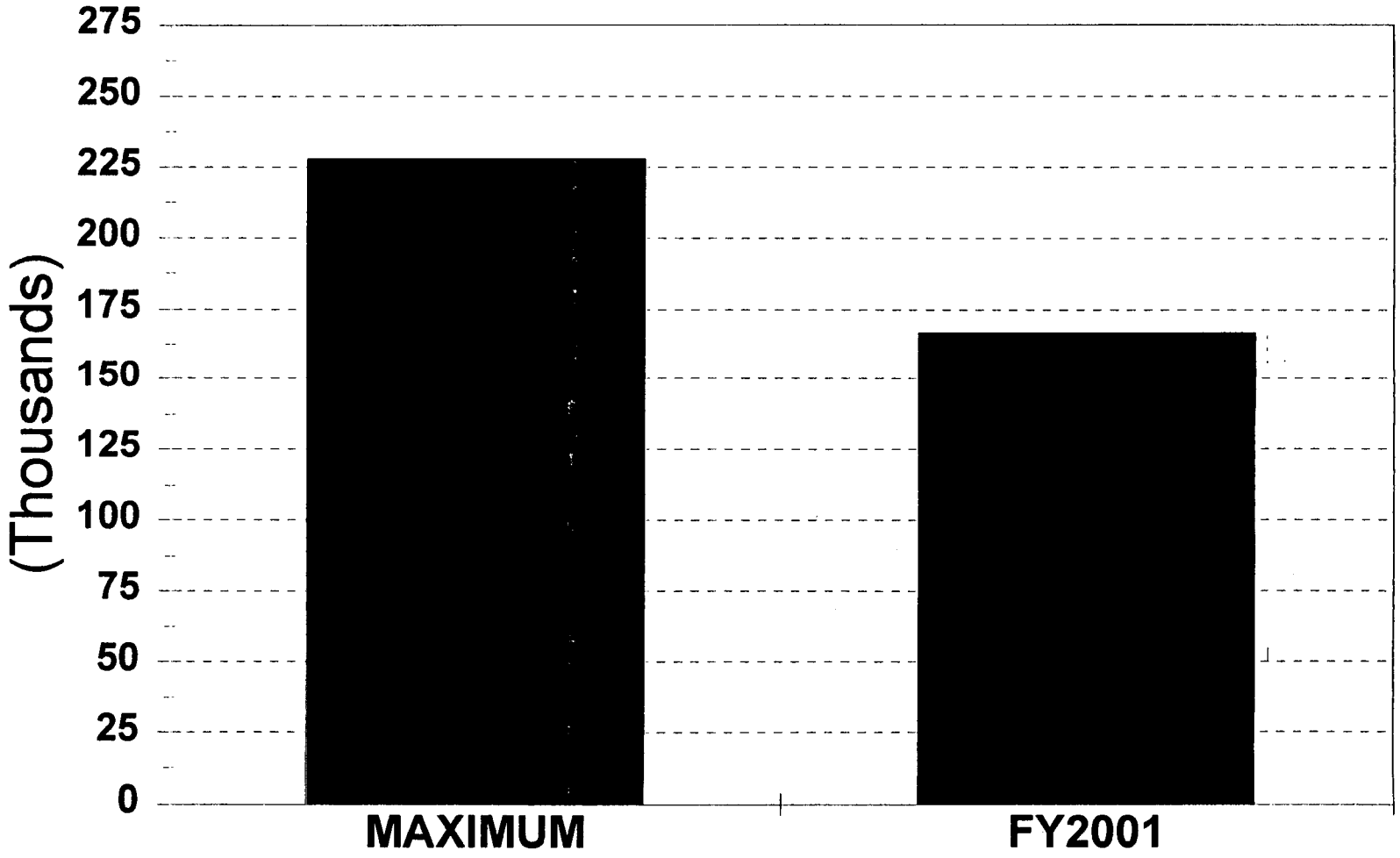
NON FLEET TRAINING CENTERS

ANNUAL THROUGHPUT



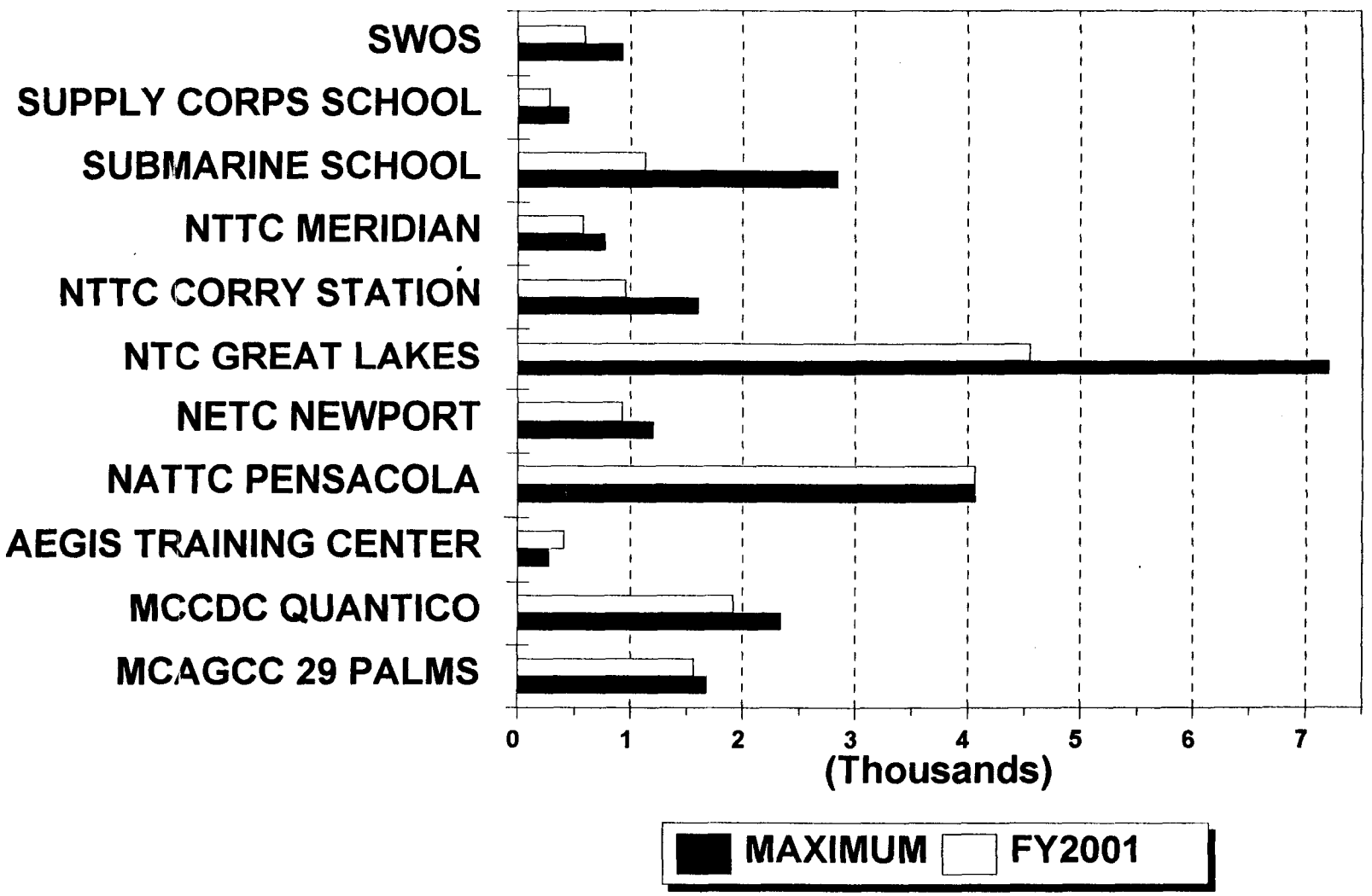
NON FLEET TRAINING CENTERS

TOTAL ANNUAL THROUGHPUT



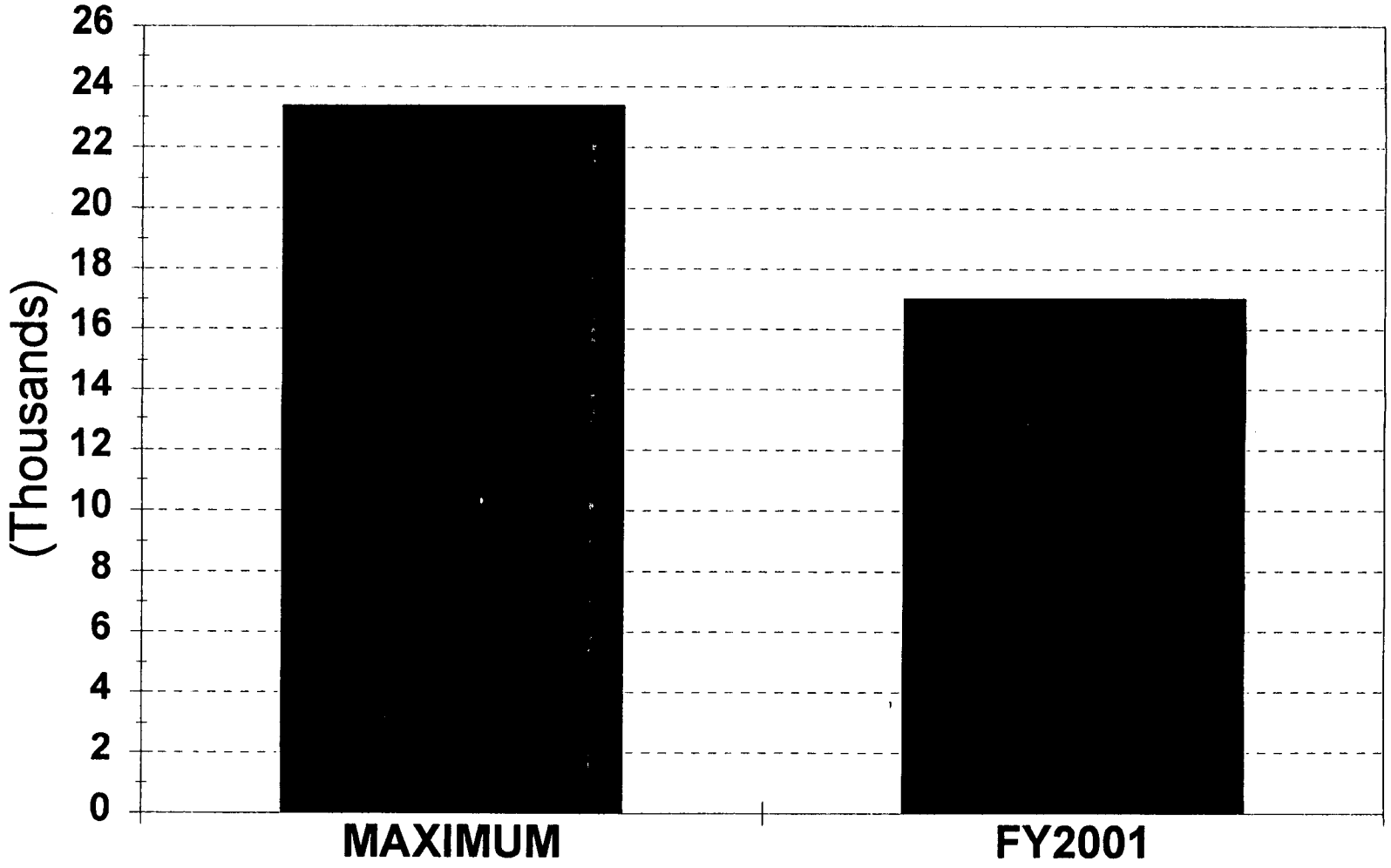
NON FLEET TRAINING CENTERS

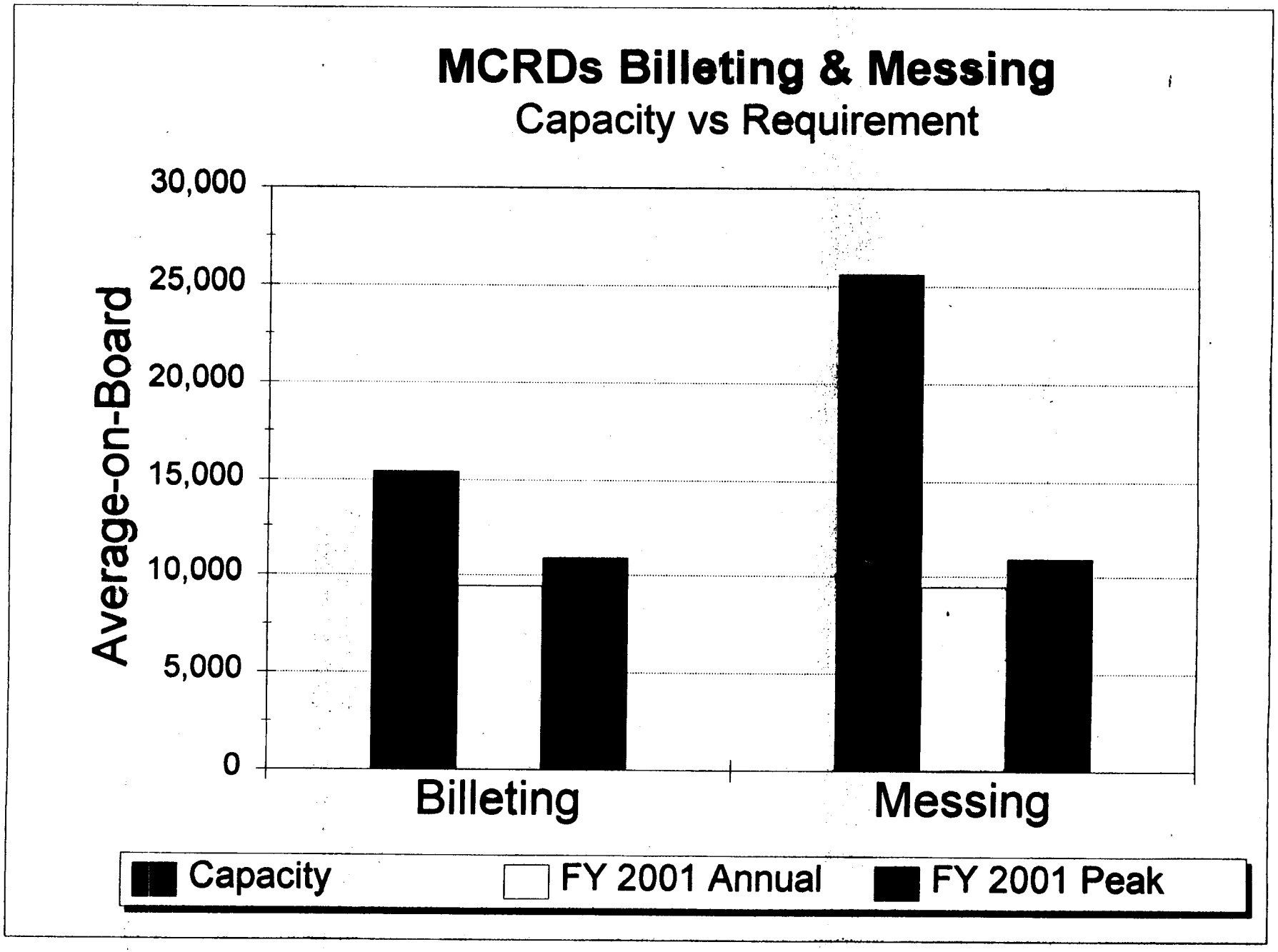
AVERAGE ON BOARD

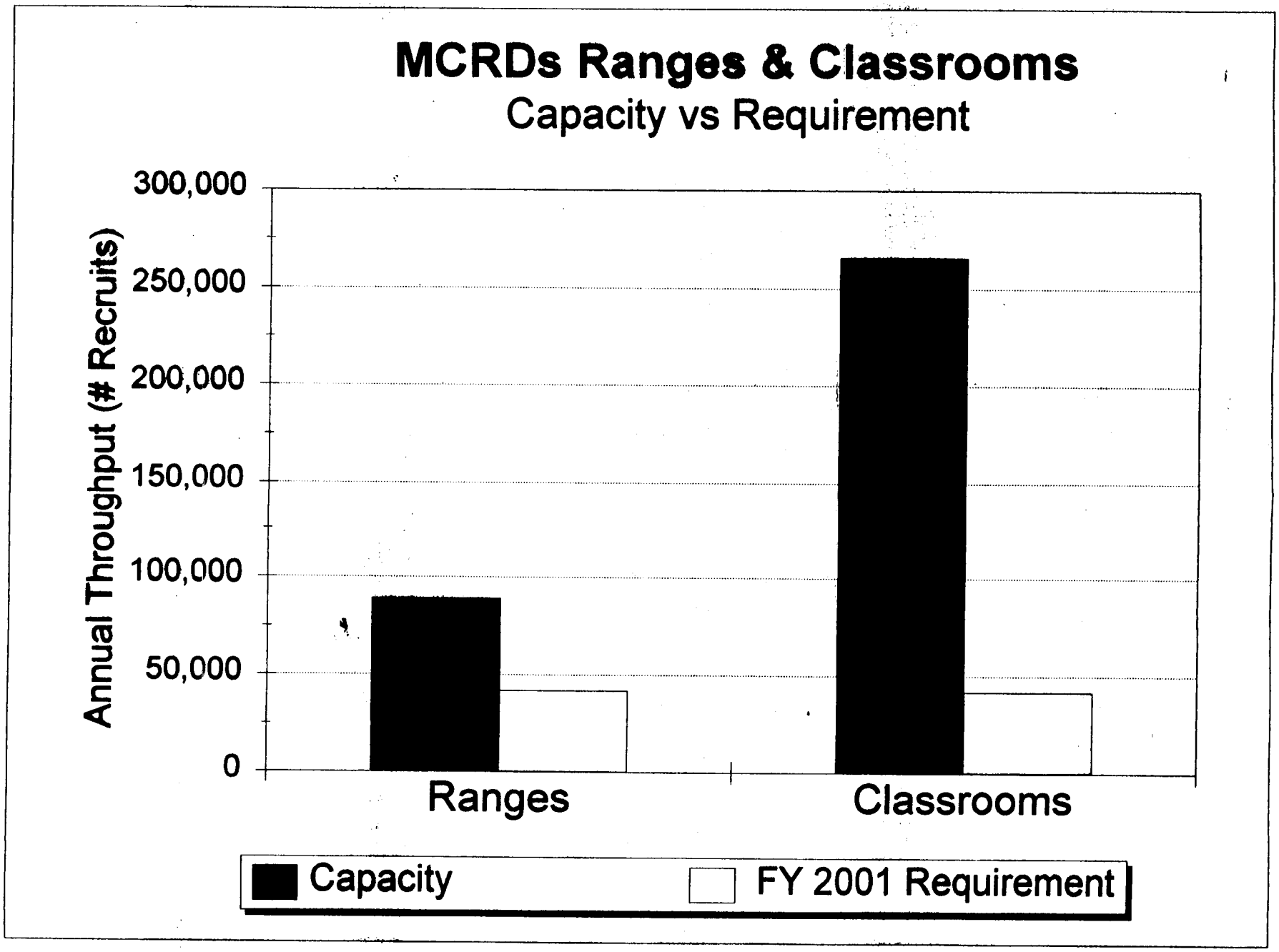


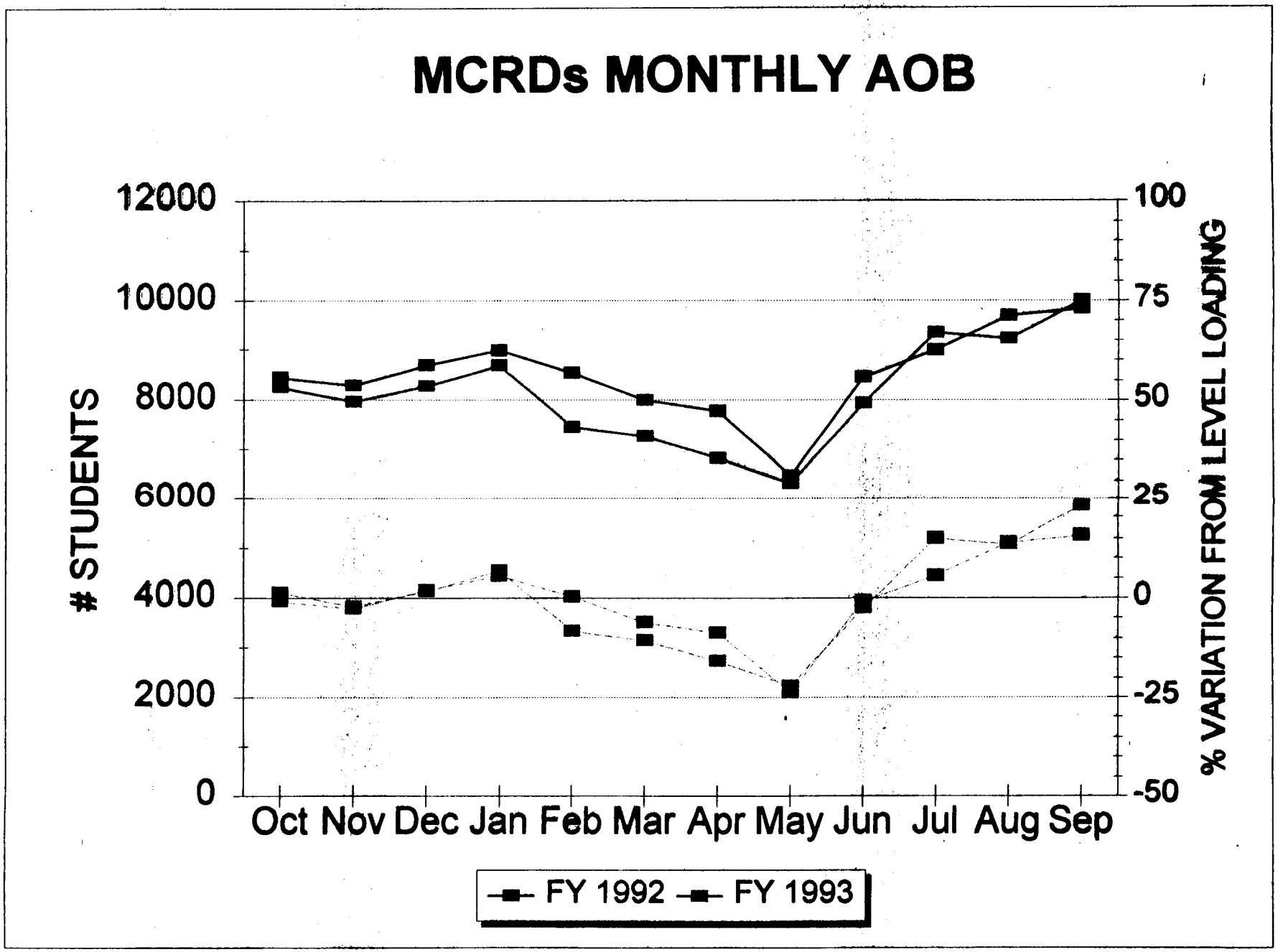
NON FLEET TRAINING CENTERS

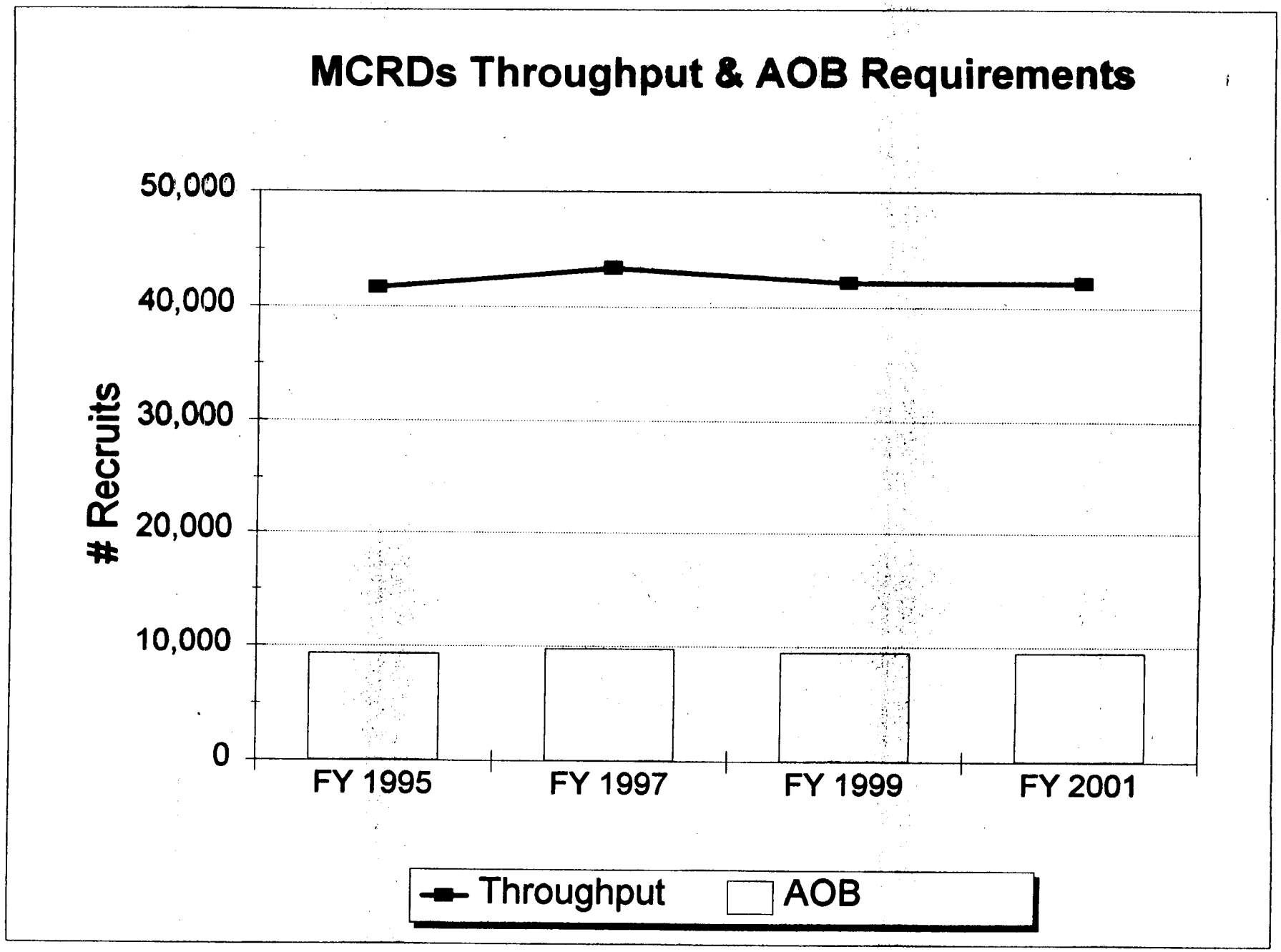
TOTAL AOB




MCRDs Billeting & Messing
Capacity vs Requirement
Average-on-Board
30,000
25,000
20,000
15,000
10,000
5,000
0
Billeting
Messing
Capacity
FY 2001 Annual
FY 2001 Peak


MCRDs Ranges & Classrooms
Capacity vs Requirement
Annual Throughput (# Recruits)
300,000
250,000
200,000
150,000
100,000
50,000
0
Ranges
Classrooms
Capacity
FY 2001 Requirement


MCRDs MONTHLY AOB
STUDENTS
12000
10000
8000
6000
4000
2000
0
% VARIATION FROM LEVEL LOADING
100
75
50
25
0
-25
-50
Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
FY 1992
FY 1993


MCRDs Throughput & AOB Requirements
Recruits
50,000
40,000
30,000
20,000
10,000
0
FY 1995
FY 1997
FY 1999
FY 2001
Throughput
AOB

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impo	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses USNA	NWC	NPGS
					FORMAL TRAINING MISSION							49.13			
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2.41		0	0	0
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1.92		1	0	0
1				A3	-Is annual throughput > 2003 students?	1	1	0	1	9	2.17		0	0	0
2				A4	-Is annual throughput > 233 students?	1	1	0	1	6	1.44		1	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0.19		0	0	0
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ., NPGS)	1	1	0	1	7	1.68		0	1	1
2				A7	-Is annual throughput > 1955 students?	1	1	0	1	6	1.44		0	0	0
3				A8	-Is annual throughput > 652 students?	1	1	0	1	3	0.72		0	0	1
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools, Sub School, etc)	1	1	0	1	9	2.17		0	0	0
1				A10	-Is annual throughput > 4751 students?	1	1	0	1	8	1.92		0	0	0
2				A11	-Is annual throughput > 1387 students?	1	1	0	1	5	1.20		0	0	0
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1.92		0	0	0
1				A13	-Is annual throughput > 1004 students?	1	1	0	1	7	1.68		0	0	0
2				A14	-Is annual throughput > 178 students?	1	1	0	1	4	0.96		0	0	0
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications-Electronics school, etc)	1	1	0	1	7	1.68		0	0	0
2				A16	-Is annual throughput > 4480 students?	1	1	0	1	6	1.44		0	0	0
3				A17	-Is annual throughput > 258 students?	1	1	0	1	3	0.72		0	0	0
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1.68		0	0	1
2				A19	-Is annual throughput > 542 students?	1	1	0	1	6	1.44		0	0	1
3				A20	-Is annual throughput > 93 students?	1	1	0	1	3	0.72		0	0	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1.59		0	0	0
3				A22	-Is annual throughput > 11355 students?	1	1	0	1	3	0.72		0	0	0
3				A23	-Is annual throughput > 1606 students?	1	1	0	1	1	0.24		0	0	0
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1.59		0	0	1
3				A25	-Is annual throughput > 1988 students?	1	1	0	1	3	0.72		0	0	0
3				A26	-Is annual throughput > 529 students?	1	1	0	1	1	0.24		0	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2.38		0	0	0
2				A28	-Is annual throughput > 8563 students?	1	1	0	1	5	1.20		0	0	0
3				A29	-Is annual throughput > 2729 students?	1	1	0	1	2	0.48		0	0	0
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3.97		0	0	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0.69		1	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0.52		0	1	1
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0.87		0	1	1

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Ques Impo	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses USNA	NWC	NPGS
2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		0	0	1
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		0	0	0
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	1	1
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		0	0	0
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	1	1
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		1	1	1
					OTHER SUPPORT MISSIONS							3.97	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	0	0
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		0	1	1
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	0
3	23	13	C1	B4	Are non-relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	1
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		1	0	0
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	0
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		0	0	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		1	0	0
3	23	14	D2	B9	Are local civilian, governmental or military agencies supported?	1	0	0	0	1	0.13		0	1	1
3	23	14	D3	B10	Are new civilian or other non-DoD missions planned?	1	0	0	0	1	0.13		0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							10.38	0	0	0
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		0	1	1
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF's) available?	1	1	0	0	3	0.58		0	1	1
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	1	0
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		0	0	0
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	1	1
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		1	1	1
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		1	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		1	0	1
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom, lab)	0	1	0	1	6	0.69		0	0	0
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		0	0	0
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		0	0	0
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		1	0	1
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		1	0	0
2	23	19	E1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		1	0	0
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		0	0	0
					OTHER FACILITIES							2.36	0	0	0

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3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0.22		1	0	0
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0.77		1	0	0
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum ulilization?	0	1	0	1	3	0.34		1	0	0
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0.23		0	0	0
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0.48		0	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0.19		0	0	1
3	23	32	K1	D7	Are >90% of listed facilities in adequate condition?	0	1	0	1	1	0.11		0	0	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							3.33	0	0	0
1	46	18	11.4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0.69		0	0	1
2	46	21	11.4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1.15		1	0	0
1	46	21	11.5	E3	Are non-BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0.69		1	0	1
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0.80		0	1	0
					LOCATION							8.76	0	0	0
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1.21		0	0	0
2	23	40	4	F2	Do >50% of graduates have a permanant duty station <50 miles from the Training Facility?	1	0	0	1	6	1.04		0	0	0
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0.87		0	0	0
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1.39		1	1	0
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1.39		0	0	0
3	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0.85		0	0	0
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0.87		0	1	1
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1.16		1	0	1
					ENCROACHMENT, ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							8.96	0	0	0
2	33	3	1.b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0.40		1	1	1
2	33	5	2.c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0.40		1	1	1
2	33	6	3.b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0.40		1	1	1
2	33	9	4.m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0.40		1	1	1
2	33	10	5.b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10?	0	1	0	0	4	0.27		0	0	0
2	33	12	5.g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0.27		1	1	1
2	33	16	7.j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0.27		1	1	1
3	33	19	8.h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0.13		1	1	1
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1.97		1	1	1
1	23	67	E1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1.34		1	0	1
3	23	67	E2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0.41		0	0	1
2	23	67	E3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc.) accommodate future expansion?	0	1	1	0	7	1.56		1	1	0

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2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		1	0	1
					QUALITY OF LIFE							13.11			
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		1	1	1
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		0	1	0
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		0	1	1
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		0	0	1
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		0	1	1
1	23	46	D1(b)(1)	H6	Are 90% of BEQ rooms adequate?	0	1	0	1	8	0.92		1	0	0
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		1	1	1
1	23	47	D1(c)(1)	H8	Are 90% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	1	0
2	23	48,49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		1	1	0
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		0	1	1
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		0	1	1
3	23	50	D4	H12	Are >90% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	1	1
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	1	1
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		0	1	0
1	23	52-55	D6,D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		0	1	0
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30-mile radius?	0	0	0	1	1	0.05		1	1	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	0
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.05		0	1	1
3	23	61-66	D14	H24	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.05		0	0	1
3	23	61-66	D14	H25	Is the drug crime rate <402/100,000?	0	0	0	1	1	0.05		0	0	1
													33.10	29.54	35.71

	USNA	NWC	NPGS
FORMAL TRAINING MISSION	5.61	4.79	11.38
OTHER SUPPORT MISSIONS	1.51	0.41	0.46
TRAINING FACILITIES, EQUIPMENT AND ARE	4.88	4.05	4.70
OTHER FACILITIES	1.34	0.00	0.19

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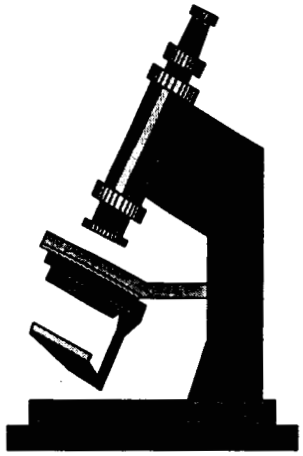
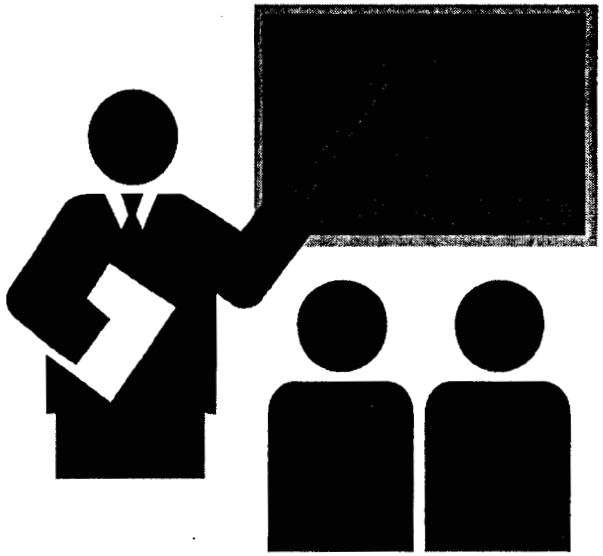
					MAINTENANCE, REPAIR, AND EQUIPMENT E								1.84	0.80	1.38
					LOCATION								2.54	2.25	2.02
					ENCROACHMENT, ENVIRONMENTAL ISSUES								8.28	5.83	7.13
					QUALITY OF LIFE								7.10	11.41	8.45
					Total:								33.10	29.54	35.71

TRAINING CENTERS





Configuration Modeling Specifications

Approach

- Objective function:
  - Minimize excess student throughput capacity
- Parameters:
  - Training requirements
    - FY 2001 student throughput
    - Classroom hours (10 seat classroom equivalents)
    - Applied Instruction space hours (10 seat lab equivalents)
    - Mandatory billeting (AOB)
  - Training capacities
    - Annual classroom hours (10 seat classroom equivalents)
    - Annual applied instruction space hours (10 seat lab equivalents)
    - Billeting (beds)

Common, Special, Unique Factors

	Degree Granting	Fleet Training	Pipeline Training	Recruit Training
Common	Classrooms	Classrooms	Classrooms	Classrooms
	Applied Instr	Applied Instr	Applied Instr	Applied Instr
Special	Libraries	Trainers	Trainers	Billeting
				Messing, Medical Processing, Pool
Unique	Billeting	Billeting	Billeting	Kangol
	Family Housing			Trainers
	Athletic Facil			

Initial Configuration Model Rules

- Maintain average military value within subcategory
- Individual constraints
  - Library
  - Team trainers
  - Advanced specialized labs
  - Ranges
  - Competative athletic facilities
- Assign entire school to one location
- Apply P-80 standard except where requirements exceed capacity
- Restrict TRITRAFACs to Trident Bases

Generation of Alternatives

Model allows the generation of three solution sets:

- Best solution-for a given set of constraints and data
- Next best-obtained by excluding the first solution
- Third best-obtained by excluding the first two solutions

Sensitivity Analysis

Sensitivity analyses can accommodate

- Surges in training requirements of +10 and +20 percent
- Decline in training requirements of 10 percent
- Run across all four subcategories

PIPELINE MODELING RESULTS

Second Run (21 Nov 1994)

Option	Activity												Average Mil Val	Excess Capacity		
	SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	NAB	NTC	MCCDC	MCAGCC		Classrooms	Labs	Billeting
Military Value	40.83	37.06	57.8	53.05	44.35	31.07	40.57	27.32	52.73	49.5	47.99	53.22	44.63			
FY 2001 Req																
-Best	Close	Close	Open	Open	Open	Open	Open	Close	Open	Open	Open	Open	47.81	784,693	364,635	6,823
-Second	Close	Close	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	45.76	800,773	442,033	6,823
-Tertiary	Close	Open	Open	Open	Open	Open	Open	Close	Open	Open	Open	Open	46.74	884,523	393,793	6,823
10% More																
-Best	No Feasible Solution															
-Second																
-Tertiary																
10% Less																
-Best	Close	Close	Open	Open	Open	Close	Open	Close	Open	Open	Open	Open	49.90	828,633	521,402	7,339
-Second	Close	Close	Open	Open	Close	Open	Open	Close	Open	Open	Open	Open	48.24	828,633	608,110	7,039
-Tertiary	Close	Open	Open	Open	Open	Close	Open	Close	Open	Open	Open	Open	48.48	928,462	521,401	7,352
20% More																
-Best	No Feasible Solu															
-Second																
-Tertiary																

Rules Applied to the Model

1. Average Military Value is maintained

2. Individual Constraints - Library, Team Trainers, Advanced Specialized Labs Ranges, Competitive Athletic Facilities

3. Assign entire school to one location

4. Apply P-80 standard except where requirements exceed capacity

5. Restrict TRITRAFACS to Trident Bases

DEGREE GRANTING MODELING RESULTS

Second Run (21 Nov 1994)

Option	Activity			Average Mil Val	Excess Capacity		
	USNA	NPGS	NWC		Classrooms	Labs	Billeting
Military Value	33.1	35.71	29.54	32.78			
FY 2001 Req							
-Best	Open	Open	Closed	34.04	903,841	423,231	182
-Second	Open	Open	Open	32.78	1,047,221	423,231	182
-Tertiary							
10% More							
-Best	No Feasible Solutions Due to Billeting Requirement at USNA						
-Second							
-Tertiary							
10% Less							
-Best	Open	Open	Closed	34.04	977,406	429,014	525
-Second	Open	Open	Open	32.78	1,120,786	429,014	584
-Tertiary	None						
20% More	No Feasible Solution Due to Billeting Requirement at USNA						
-Best							
-Second							
-Tertiary							

Rules Applied to the Model

1. Average Military Value is maintained

2. Individual Constraints - Library, Team Trainers, Advanced Specialized Labs Ranges, Competitive Athletic Facilities

3. Assign entire school to one location

4. Apply P-80 standard except where requirements exceed capacity

5. Restrict TRITRAFACS to Trident Bases

FLEET MODELING RESULTS
Second Run (21 Nov 1994)

Option	Activity												Avg Mil Val	Excess Capacity		
	TTFB	TTFKB	FCTCL	FCTCP	FTCN	FTCM	FTCSD	ASWL	ASWP	PHIBL	PHIBP	FMWTC		Classroom	Labs	Billeting
Military Value	48.85	47.56	51.55	41.82	46.96	42.37	45.05	33.82	50.26	43.05	45.87	41.11	44.86			
FY 2001 Req																
-Best	Open	Open	Open	Closed	Closed	Closed	Open	Closed	Open	Closed	Closed	Open	47.40	109,411	175,156	830
-Second	Open	Open	Open	Closed	Closed	Open	Open	Closed	Open	Closed	Closed	Closed	47.61	131,521	193,916	830
-Tertiary	Open	Open	Open	Closed	Closed	Closed	Open	Open	Open	Closed	Closed	Open	45.46	169,711	188,556	830
10% More																
-Best	No Feasible Solutions															
-Second																
-Tertiary																
10% Less																
-Best	Open	Open	Open	Closed	Closed	Closed	Open	Closed	Open	Closed	Closed	Closed	48.65	142,556	217,538	910
-Second	Open	Open	Open	Closed	Closed	Closed	Open	Open	Open	Closed	Closed	Closed	47.49	202,856	230,948	910
-Tertiary	Open	Open	Open	Closed	Closed	Closed	Open	Closed	Open	Closed	Closed	Open	47.40	142,556	299,948	910
20% More																
-Best	No Feasible Solutions															
-Second																
-Tertiary																

Rules Applied to the Model

1. Average Military Value is maintained

2. Individual Constraints - Library, Team Trainers, Advanced Specialized Labs Ranges, Competitive Athletic Facilities

3. Assign entire school to one location

4. Apply P-80 standard except where requirements exceed capacity

5. Restrict TRITRAFACS to Trident Bases

RECRUIT TRAINING MODELING RESULTS

Second Run (21 Nov 1994)

Option	Activity			Average Mil Val	Excess Capacity		
	MCRDPI	MCRDSD	RTCGL		Classrooms	Labs	Billeting
Military Value	36.46	29.81	49.51	38.6			
FY 2001 Req							
-Best	Open	Open	Open	38.6	100,480	117,315	13,968
-Second							
-Tertiary							
10% More							
-Best	No Feasible Solution						
-Second							
-Tertiary							
10% Less							
-Best	Closed	Open	Open	39.66	165,446	189,497	8,177
-Second	Open	Open	Open	38.6	194,706	124,316	15,821
-Tertiary							
20% More							
-Best	Open	Open	Open	38.6	126,399	146,325	12,115
-Second							
-Tertiary							

Rules Applied to the Model

1. Average Military Value is maintained

2. Individual Constraints - Library, Team Trainers, Advanced Specialized Labs Ranges, Competitive Athletic Facilities

3. Assign entire school to one location

4. Apply P-80 standard except where requirements exceed capacity

5. Restrict TRITRAFACS to Trident Bases

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impor	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	MCCDC	MCAGCC	NAB
					FORMAL TRAINING MISSION							49.13											
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2.41		0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1.92		0	0	0	1	0	0	0	0	1	0	0
1				A3	-Is annual throughput > 2003 students?	1	1	0	1	9	2.17		0	0	0	0	0	0	0	0	1	0	0
2				A4	-Is annual throughput > 233 students?	1	1	0	1	6	1.44		0	0	0	1	0	0	0	0	0	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0.19		0	0	0	1	0	0	0	0	0	0	0
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ., NPGS)	1	1	0	1	7	1.68		1	0	1	1	1	0	1	0	1	1	1
2				A7	-Is annual throughput > 1955 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	1	0	1
3				A8	-Is annual throughput > 652 students?	1	1	0	1	3	0.72		0	0	0	1	0	0	0	0	0	1	0
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools, Sub School, etc)	1	1	0	1	9	2.17		0	0	1	0	1	1	1	0	1	1	1
1				A10	-Is annual throughput > 4751 students?	1	1	0	1	8	1.92		0	0	1	0	1	0	1	0	0	1	0
2				A11	-Is annual throughput > 1387 students?	1	1	0	1	5	1.20		0	0	0	0	0	1	0	0	0	0	1
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1.92		1	1	1	1	1	0	0	0	1	1	1
1				A13	-Is annual throughput > 1004 students?	1	1	0	1	7	1.68		0	0	0	0	0	0	0	0	1	0	0
2				A14	-Is annual throughput > 178 students?	1	1	0	1	4	0.96		0	1	1	1	1	0	0	0	0	0	1
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications-Electronics school, etc)	1	1	0	1	7	1.68		0	1	1	0	1	1	1	1	1	1	1
2				A16	-Is annual throughput > 4480 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	0	0	0
3				A17	-Is annual throughput > 258 students?	1	1	0	1	3	0.72		0	1	1	0	1	0	1	1	1	1	1
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1.68		1	1	1	1	1	0	1	1	1	1	1
2				A19	-Is annual throughput > 542 students?	1	1	0	1	6	1.44		1	1	0	0	0	0	0	1	1	0	0
3				A20	-Is annual throughput > 93 students?	1	1	0	1	3	0.72		0	0	1	1	1	0	0	0	0	0	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1.59		1	1	1	1	1	1	1	0	1	0	1
3				A22	-Is annual throughput > 11355 students?	1	1	0	1	3	0.72		0	0	0	0	0	0	0	0	0	0	0
3				A23	-Is annual throughput > 1606 students?	1	1	0	1	1	0.24		0	0	1	1	0	0	0	0	0	0	0
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1.59		1	1	1	1	1	0	0	0	1	0	1
3				A25	-Is annual throughput > 1988 students?	1	1	0	1	3	0.72		0	1	0	1	0	0	0	0	0	0	0
3				A26	-Is annual throughput > 529 students?	1	1	0	1	1	0.24		0	0	1	0	0	0	0	0	0	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2.38		0	0	1	1	0	0	1	0	0	0	0
2				A28	-Is annual throughput > 8563 students?	1	1	0	1	5	1.20		0	0	1	0	0	0	0	0	0	0	0
3				A29	-Is annual throughput > 2729 students?	1	1	0	1	2	0.48		0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3.97		0	0	0	0	0	0	0	0	0	1	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0.69		0	0	0	0	0	0	0	0	0	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0.52		0	0	0	0	0	0	0	0	0	0	0
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0

TRAINING CENTERS AND SCHOOLS 08-Feb-95

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2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	1	1	1	1
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	1	1	1	1	1	1
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	1	0	1	0	0	0	0	1	0	0
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		0	1	0	0	1	1	1	0	0	0	0
					OTHER SUPPORT MISSIONS							3.97	0	0	0	0	0	0	0	0	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	0	0	0	0	0	0	0	1	1	1
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		0	0	1	1	0	0	0	0	1	1	1
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	1	0	0	0	0	0	0	1	1
3	23	13	C1	B4	Are non-relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	0	0	0	0	0	0	1	1	0
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		0	0	0	0	0	0	0	0	1	1	1
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	1	0	1	0	0	0	1	1	1
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		0	0	0	1	0	0	0	0	0	1	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		0	1	1	0	0	1	0	1	1	1	1
3	23	14	D2	B9	Are local civilian, governmental or military agencies supported?	1	0	0	0	1	0.13		1	1	1	1	1	1	0	0	1	1	1
3	23	14	D3	B10	Are new civilian or other non-DoD missions planned?	1	0	0	0	1	0.13		0	0	0	0	0	0	0	0	0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							10.38	0	0	0	0	0	0	0	0	0	0	0
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		1	0	1	0	1	0	0	1	0	1	0
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF's) available?	1	1	0	0	3	0.58		1	0	1	1	1	0	1	1	1	1	1
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		0	0	0	0	0	0	0	0	0	0	1
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	1	1	1	1	0	1	1	1	1	1
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		0	0	1	0	0	0	0	0	1	1	0
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		1	1	1	0	1	1	1	1	1	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		0	1	0	1	0	0	0	0	0	0	1
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom, lab)	0	1	0	1	6	0.69		1	0	1	1	1	1	1	1	0	1	1
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		1	1	1	1	0	0	1	0	0	1	1
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		1	0	1	1	1	0	0	0	0	0	1
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		0	0	0	1	0	0	0	0	0	1	1
2	23	19	E1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		0	0	0	1	1	1	1	0	0	1	0
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		0	0	0	0	0	0	0	0	0	1	1
					OTHER FACILITIES							2.36	0	0	0	0	0	0	0	0	0	0	0

TRAINING CENTERS AND SCHOOLS 08-Feb-95

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3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0.22		1	0	1	1	0	0	0	0	0	0	1
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0.77		0	0	1	1	1	0	0	0	1	1	1
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum utilization?	0	1	0	1	3	0.34		0	0	1	1	1	0	0	0	0	1	1
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0.23		0	0	0	0	0	0	0	0	0	0	0
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0.48		0	0	0	0	0	0	0	0	1	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0.19		0	0	0	1	0	0	0	0	0	0	1
3	23	32	K1	D7	Are >90% of listed facilities in adequate condition?	0	1	0	1	1	0.11		0	1	1	0	1	1	0	1	1	0	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							**3.33**	0	0	0	0	0	0	0	0	0	0	0
1	46	18	11.4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	1
2	46	21	11.4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1.15		0	0	0	1	0	0	0	0	1	1	0
1	46	21	11.5	E3	Are non-BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0.69		1	1	1	1	1	1	1	1	0	0	0
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0.80		0	0	0	0	0	0	0	0	1	1	1
					LOCATION							**8.76**	0	0	0	0	0	0	0	0	0	0	0
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1.21		0	0	1	0	0	0	0	0	0	0	0
2	23	40	4	F2	Do >50% of graduates have a permanant duty station <50 miles from the Training Facility?	1	0	0	1	6	1.04		0	0	1	0	0	0	0	0	0	0	0
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1.39		1	0	1	1	0	0	0	0	1	0	1
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1.39		0	0	1	0	0	0	0	0	0	0	1
3	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0.85		0	0	1	0	0	0	0	0	0	0	1
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0.87		1	0	0	0	0	0	0	0	0	0	1
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1.16		1	0	1	1	0	0	0	0	1	1	1
					ENCROACHMENT, ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							**8.96**	0	0	0	0	0	0	0	0	0	0	0
2	33	3	1.b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0.40		1	1	1	1	1	1	1	0	1	0	0
2	33	5	2.c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0.40		1	1	0	1	1	1	1	1	0	1	0
2	33	6	3.b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	0	1
2	33	9	4.m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	0	1	1
2	33	10	5.b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10?	0	1	0	0	4	0.27		0	1	0	0	1	1	1	1	0	0	0
2	33	12	5.g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0.27		1	1	1	1	1	1	1	1	1	1	1
2	33	16	7.j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0.27		1	1	1	1	1	1	1	1	0	1	0
3	33	19	8.h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0.13		1	1	1	0	1	1	1	1	1	1	0
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1.97		1	1	1	1	1	1	1	1	0	1	1
1	23	67	E1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1.34		1	1	1	1	1	1	0	1	0	1	1
3	23	67	E2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0.41		0	1	1	0	0	1	1	1	0	1	0
2	23	67	E3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc.) accommodate future expansion?	0	1	1	0	7	1.56		1	1	1	1	1	1	1	1	1	1	1

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2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		0	0	1	0	1	1	1	1	1	1	0
					QUALITY OF LIFE							13.11	0	0	0	0	0	0	0	0	0	0	0
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		1	0	1	1	0	0	0	0	1	1	1
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		1	0	1	1	1	1	1	0	1	1	1
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		1	0	0	1	0	0	0	0	0	0	0
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		0	1	0	0	0	1	0	0	1	1	0
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		1	1	1	1	0	1	1	0	0	0	1
1	23	46	D1(b)(1)	H6	Are 90% of BEQ rooms adequate?	0	1	0	1	8	0.92		0	1	1	0	1	1	1	1	0	1	0
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		1	1	0	1	1	1	1	1	0	0	1
1	23	47	D1(c)(1)	H8	Are 90% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	1	1	1	1	0	1	1	0	0	1
2	23	48,49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		1	0	1	1	1	1	1	0	0	0	0
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		1	1	0	1	0	1	0	1	0	1	0
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		1	1	0	1	0	1	0	0	0	1	0
3	23	50	D4	H12	Are >90% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	1	1	1	0	1	1	1	1	1	0
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	0	1	1	0	1	1	1	1	1	0
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		1	0	1	1	1	1	1	0	1	1	0
1	23	52-55	D6,D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		1	0	0	1	0	1	0	1	1	1	1
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1	1	1	1	1	0	1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	1	1	1	1	1	1	1	1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30-mile radius?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	0	0	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	1	1	1
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	0	1	1	1	1	1	1	1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	1	0	1	1	1	1	1	1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.05		1	1	1	1	0	1	0	1	1	1	0
3	23	61-66	D14	H24	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.05		0	0	1	0	0	1	0	1	1	1	0
3	23	61-66	D14	H25	Is the drug crime rate <402/100,000?	0	0	0	1	1	0.05		0	1	0	0	0	1	0	1	1	0	0
													40.83	37.06	58.17	51.85	43.66	31.07	39.16	28.01	47.99	53.22	52.00

	SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	MCCDC	MCAGCC	NAB
FORMAL TRAINING MISSION	13.15	16.70	23.95	21.19	20.85	8.76	18.04	8.78	25.11	19.72	19.89
OTHER SUPPORT MISSIONS	0.13	0.50	2.01	0.79	0.97	0.50	0.00	0.38	3.09	3.84	3.42
TRAINING FACILITIES, EQUIPMENT AND ARE	4.65	2.96	6.01	5.52	4.19	1.34	4.00	3.39	3.28	8.55	7.11
OTHER FACILITIES	0.22	0.11	1.45	1.53	1.23	0.11	0.00	0.11	1.37	1.12	1.53

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					FORMAL TRAINING MISSION							49.13												
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2.41		0	0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1.92		0	0	0	0	0	0	0	0	0	0	0	0
1				A3	-Is annual throughput > 2003 students?	1	1	0	1	9	2.17		0	0	0	0	0	0	0	0	0	0	0	0
2				A4	-Is annual throughput > 233 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	0	0	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0.19		0	0	0	0	0	0	0	0	0	0	0	0
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ., NPGS)	1	1	0	1	7	1.68		1	1	0	1	1	1	0	0	0	0	1	0
2				A7	-Is annual throughput > 1955 students?	1	1	0	1	6	1.44		0	0	0	1	0	1	0	0	0	0	1	0
3				A8	-Is annual throughput > 652 students?	1	1	0	1	3	0.72		1	1	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools, Sub School, etc)	1	1	0	1	9	2.17		0	0	1	0	0	0	0	0	1	1	0	1
1				A10	-Is annual throughput > 4751 students?	1	1	0	1	8	1.92		0	0	0	0	0	0	0	0	0	0	0	0
2				A11	-Is annual throughput > 1387 students?	1	1	0	1	5	1.20		0	0	1	0	0	0	0	0	0	0	0	0
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1.92		0	0	1	0	0	0	0	0	0	1	1	0
1				A13	-Is annual throughput > 1004 students?	1	1	0	1	7	1.68		0	0	0	0	0	0	0	0	0	0	0	0
2				A14	-Is annual throughput > 178 students?	1	1	0	1	4	0.96		0	0	1	0	0	0	0	0	0	0	0	0
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications-Electronics school, etc)	1	1	0	1	7	1.68		1	1	1	1	1	1	1	0	1	1	1	1
2				A16	-Is annual throughput > 4480 students?	1	1	0	1	6	1.44		0	0	0	0	1	0	1	0	0	0	0	0
3				A17	-Is annual throughput > 258 students?	1	1	0	1	3	0.72		1	1	1	1	0	0	0	0	1	1	1	1
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1.68		1	1	1	0	1	0	1	0	1	1	1	0
2				A19	-Is annual throughput > 542 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	0	0	0	0
3				A20	-Is annual throughput > 93 students?	1	1	0	1	3	0.72		1	1	1	0	0	0	1	0	1	1	1	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1.59		1	1	1	1	1	1	1	1	1	1	1	1
3				A22	-Is annual throughput > 11355 students?	1	1	0	1	3	0.72		0	0	0	0	1	0	1	0	0	0	0	0
3				A23	-Is annual throughput > 1606 students?	1	1	0	1	1	0.24		1	1	1	1	0	1	0	1	1	1	1	1
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1.59		1	1	1	1	1	1	1	1	1	1	1	1
3				A25	-Is annual throughput > 1988 students?	1	1	0	1	3	0.72		0	0	1	0	1	0	0	1	1	0	1	1
3				A26	-Is annual throughput > 529 students?	1	1	0	1	1	0.24		1	1	0	1	0	1	1	0	0	1	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2.38		1	1	1	1	1	1	1	1	1	1	1	1
2				A28	-Is annual throughput > 8563 students?	1	1	0	1	5	1.20		0	0	0	1	1	0	1	0	0	0	0	0
3				A29	-Is annual throughput > 2729 students?	1	1	0	1	2	0.48		1	1	0	0	0	1	0	0	0	0	1	1
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3.97		0	0	0	0	0	0	0	0	0	0	0	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0.69		0	0	0	0	0	0	0	0	0	0	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0.52		0	0	0	0	0	0	0	0	0	0	0	0
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0	0

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2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	0	1	0	1	1
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	0	1	0	0	1
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	0	1	0	0	0	0	0	0	0	0	0
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		1	1	1	1	0	1	0	0	1	0	0	1
					OTHER SUPPORT MISSIONS							**3.97**	0	0	0	0	0	0	0	0	0	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	0	1	0	0	0	0	0	0	0	0	0
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		0	0	1	1	1	1	1	0	1	1	1	0
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	1	1	1	1	1	0	1	0	0	0
3	23	13	C1	B4	Are non-relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	0	0	0	0	0	0	0	0	0	0
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		0	0	0	0	0	0	0	0	0	0	0	0
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	0	0	0	0	0	0	0	0	0	0
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		0	0	0	0	0	0	0	0	0	0	0	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		1	1	1	0	0	0	0	0	0	0	0	0
3	23	14	D2	B9	Are local civilian, governmental or military agencies supported?	1	0	0	0	1	0.13		0	0	1	0	0	1	0	0	0	0	0	0
3	23	14	D3	B10	Are new civilian or other non-DoD missions planned?	1	0	0	0	1	0.13		0	0	0	0	0	0	0	0	0	0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							**10.38**	0	0	0	0	0	0	0	0	0	0	0	0
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		0	0	1	1	0	0	0	0	1	0	0	0
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF's) available?	1	1	0	0	3	0.58		1	1	1	1	1	1	1	1	1	0	1	1
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		1	0	1	0	1	1	1	0	0	0	0	1
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	1	1	1	1	1	1	0	1	1	1	1
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		1	1	0	0	1	0	0	0	0	0	0	1
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		1	1	1	1	1	1	1	1	1	1	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		1	1	0	0	0	1	0	0	0	0	1	0
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom, lab)	0	1	0	1	6	0.69		1	1	0	1	0	1	1	1	1	1	1	1
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		1	1	1	1	1	0	0	1	1	1	1	1
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		0	1	1	0	0	0	0	0	1	1	1	1
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
2	23	19	E1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		1	0	1	0	1	0	0	0	0	1	0	0
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		0	0	0	0	0	0	0	0	0	0	0	0
					OTHER FACILITIES							**2.36**	0	0	0	0	0	0	0	0	0	0	0	0

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3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0.22		1	1	0	0	1	1	1	1	0	1	0	1
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0.77		0	0	1	1	0	0	0	0	1	1	0	0
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum ulilization?	0	1	0	1	3	0.34		0	0	1	1	0	0	0	0	1	1	0	0
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0.23		0	0	0	0	0	0	0	0	0	0	0	0
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0.48		0	0	0	0	0	0	0	0	0	0	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0.19		0	0	1	1	0	0	1	0	1	0	0	0
3	23	32	K1	D7	Are >90% of listed facilities in adequate condition?	0	1	0	1	1	0.11		1	1	1	1	0	1	1	0	1	1	1	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							3.33	0	0	0	0	0	0	0	0	0	0	0	0
1	46	18	11.4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0.69		0	0	1	0	0	0	0	0	0	0	0	0
2	46	21	11.4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1.15		0	0	0	0	0	0	0	0	0	0	0	0
1	46	21	11.5	E3	Are non-BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0.69		1	1	0	1	1	0	1	1	1	1	1	1
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0.80		0	0	0	0	0	0	0	0	1	0	0	0
					LOCATION							8.76	0	0	0	0	0	0	0	0	0	0	0	0
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1.21		1	1	0	1	1	1	1	1	1	0	1	1
2	23	40	4	F2	Do >50% of graduates have a permanant duty station <50 miles from the Training Facility?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	0	1	1
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0.87		0	0	1	1	0	0	0	0	0	0	0	0
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1.39		1	1	1	1	1	1	1	1	1	1	1	1
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1.39		1	1	1	1	1	1	1	1	1	1	1	1
3	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0.85		1	1	1	1	1	1	1	1	1	1	1	1
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0	0
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1.16		0	0	1	1	1	1	1	1	1	1	1	0
					ENCROACHMENT, ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							8.96	0	0	0	0	0	0	0	0	0	0	0	0
2	33	3	1.b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	0	0	1
2	33	5	2.c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0.40		1	1	0	1	1	1	1	1	1	0	0	1
2	33	6	3.b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	1	1	1
2	33	9	4.m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	1	1	1
2	33	10	5.b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10?	0	1	0	0	4	0.27		1	1	0	0	0	0	0	0	0	0	0	1
2	33	12	5.g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0.27		1	1	1	1	1	1	0	1	1	1	1	1
2	33	16	7.j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0.27		1	1	1	1	1	0	1	1	1	1	0	1
3	33	19	8.h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0.13		1	1	1	1	1	1	1	1	1	0	0	1
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1.97		1	1	1	1	1	1	1	1	1	1	1	1
1	23	67	E1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1.34		1	0	1	1	1	1	1	1	1	1	1	0
3	23	67	E2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0.41		1	1	1	0	0	1	0	0	0	0	0	1
2	23	67	E3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc.) accommodate future expansion?	0	1	1	0	7	1.56		1	1	1	0	0	1	1	0	1	1	1	1

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2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		1	1	1	0	1	1	0	1	0	1	0	1
					QUALITY OF LIFE							13.11	0	0	0	0	0	0	0	0	0	0		0
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		0	0	0	1	1	0	1	1	1	1	1	0
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		1	1	0	1	1	1	1	1	1	1	1	1
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		0	0	0	0	0	0	0	0	0	0	0	0
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		1	1	1	0	0	1	0	0	0	0	0	1
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		0	1	1	0	0	1	0	0	1	1	1	1
1	23	46	D1(b)(1)	H6	Are 90% of BEQ rooms adequate?	0	1	0	1	8	0.92		1	1	0	0	0	1	1	0	1	0	0	1
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		0	1	0	0	1	1	1	1	1	1	1	0
1	23	47	D1(c)(1)	H8	Are 90% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	1	1	0	1	1	1	1	0	1	1	0
2	23	48,49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		0	0	1	0	1	0	1	1	0	0	0	0
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		0	0	0	0	0	1	0	0	0	0	0	0
3	23	50	D4	H12	Are >90% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	1	0	0	1	1	0	1	0	0	0	0
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	1	1	0	1	1	1	1	1	1	0	1
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		1	1	0	0	1	1	1	1	0	1	0	0
1	23	52-55	D6,D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		1	1	1	1	1	0	1	1	1	1	1	0
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1	1	1	1	1	1	1	1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	0	1	1	1	1	1	1	1	1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30-mile radius?	0	0	0	1	1	0.05		1	0	1	1	1	1	1	1	1	1	1	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	1	0	1	1	1	1	0	1	1	1
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	1	1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	0	1	1	1	1	1	1	1	1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.05		1	1	1	0	1	0	0	1	0	1	0	0
3	23	61-66	D14	H24	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.05		1	1	0	0	0	0	0	0	0	0	0	0
3	23	61-66	D14	H25	Is the drug crime rate <402/100,000?	0	0	0	1	1	0.05		1	1	1	0	1	0	0	1	0	1	0	0
													48.04	47.56	51.44	42.06	46.39	42.61	43.75	33.22	47.42	42.18	44.54	41.59

	TTF B	TTF KB	FCTCL	FCTCP	FTC Nor	FTC May	FTC SD	ASW L	ASW P	EWTC L	EWTC P	FMWTC
FORMAL TRAINING MISSION	17.94	17.94	21.96	16.98	17.94	13.22	16.50	7.44	17.70	15.86	18.95	15.78
OTHER SUPPORT MISSIONS	0.38	0.38	1.44	0.66	0.66	0.79	0.66	0.00	0.66	0.28	0.28	0.00
TRAINING FACILITIES, EQUIPMENT AND ARE	6.15	5.92	4.54	4.31	4.77	3.42	2.73	2.77	4.65	3.76	4.57	5.35
OTHER FACILITIES	0.34	0.34	1.42	1.42	0.22	0.34	0.53	0.22	1.42	1.45	0.11	0.22

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					MAINTENANCE, REPAIR, AND EQUIPMENT E								0.69	0.69	0.69	0.69	0.69	0.00	0.69	0.69	1.49	0.69	0.69	0.69
					LOCATION								5.87	5.87	6.68	7.90	7.03	7.03	7.03	7.03	7.03	4.78	7.03	5.87
					ENCROACHMENT, ENVIRONMENTAL ISSUES								8.96	7.62	8.29	5.60	6.72	8.42	6.90	6.72	7.17	7.34	5.96	7.62
					QUALITY OF LIFE								7.71	8.80	6.40	4.50	8.35	9.39	8.72	8.35	7.29	8.01	6.96	6.06
					Total:								48.04	47.56	51.44	42.06	46.39	42.61	43.75	33.22	47.42	42.18	44.54	41.59

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Ques Impo	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses NTCGI	MCRD PI	MCRD SD
					FORMAL TRAINING MISSION							49.13			
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2.41		1	1	1
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1.92		0	0	0
1				A3	-Is annual throughput > 2003 students?	1	1	0	1	9	2.17		0	0	0
2				A4	-Is annual throughput > 233 students?	1	1	0	1	6	1.44		0	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0.19		0	0	1
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ., NPGS)	1	1	0	1	7	1.68		1	0	0
2				A7	-Is annual throughput > 1955 students?	1	1	0	1	6	1.44		0	0	0
3				A8	-Is annual throughput > 652 students?	1	1	0	1	3	0.72		0	0	0
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools, Sub School, etc)	1	1	0	1	9	2.17		1	0	0
1				A10	-Is annual throughput > 4751 students?	1	1	0	1	8	1.92		1	0	0
2				A11	-Is annual throughput > 1387 students?	1	1	0	1	5	1.20		0	0	0
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1.92		0	0	0
1				A13	-Is annual throughput > 1004 students?	1	1	0	1	7	1.68		0	0	0
2				A14	-Is annual throughput > 178 students?	1	1	0	1	4	0.96		0	0	0
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications-Electronics school, etc)	1	1	0	1	7	1.68		1	0	0
2				A16	-Is annual throughput > 4480 students?	1	1	0	1	6	1.44		0	0	0
3				A17	-Is annual throughput > 258 students?	1	1	0	1	3	0.72		1	0	0
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1.68		1	0	0
2				A19	-Is annual throughput > 542 students?	1	1	0	1	6	1.44		0	0	0
3				A20	-Is annual throughput > 93 students?	1	1	0	1	3	0.72		1	0	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1.59		1	1	1
3				A22	-Is annual throughput > 11355 students?	1	1	0	1	3	0.72		0	0	0
3				A23	-Is annual throughput > 1606 students?	1	1	0	1	1	0.24		1	0	0
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1.59		1	1	1
3				A25	-Is annual throughput > 1988 students?	1	1	0	1	3	0.72		0	0	0
3				A26	-Is annual throughput > 529 students?	1	1	0	1	1	0.24		0	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2.38		0	0	0
2				A28	-Is annual throughput > 8563 students?	1	1	0	1	5	1.20		0	0	0
3				A29	-Is annual throughput > 2729 students?	1	1	0	1	2	0.48		0	0	0
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3.97		0	0	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0.69		0	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0.52		0	0	0
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0.87		0	0	0

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2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		1	0	0
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	0	0
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		1	0	0
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	0	0
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		1	1	0
					OTHER SUPPORT MISSIONS							3.97	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	1	1
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		1	1	1
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	0
3	23	13	C1	B4	Are non-relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	0
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		0	0	0
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	0
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		1	0	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		1	1	1
3	23	14	D2	B9	Are local civilian, governmental or military agencies supported?	1	0	0	0	1	0.13		1	1	1
3	23	14	D3	B10	Are new civilian or other non-DoD missions planned?	1	0	0	0	1	0.13		0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							10.38			
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		0	0	0
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF's) available?	1	1	0	0	3	0.58		0	0	0
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	0	0
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		1	0	0
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	0	0
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		1	0	0
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		0	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		0	0	0
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom, lab)	0	1	0	1	6	0.69		1	0	0
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		1	0	0
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		1	1	1
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		0	0	0
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		1	1	0
2	23	19	E1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		1	1	1
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		1	1	0
					OTHER FACILITIES							2.36	0	0	0

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3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0.22		0	0	0
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0.77		1	1	1
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum ulilization?	0	1	0	1	3	0.34		0	1	1
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0.23		0	0	1
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0.48		0	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0.19		0	0	0
3	23	32	K1	D7	Are >90% of listed facilities in adequate condition?	0	1	0	1	1	0.11		1	0	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							3.33			
1	46	18	11.4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0.69		1	1	1
2	46	21	11.4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1.15		0	0	0
1	46	21	11.5	E3	Are non-BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0.69		1	0	1
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0.80		0	1	1
					LOCATION							8.76			
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1.21		0	0	0
2	23	40	4	F2	Do >50% of graduates have a permanant duty station <50 miles from the Training Facility?	1	0	0	1	6	1.04		0	0	0
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0.87		0	0	1
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1.39		0	1	1
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1.39		0	1	1
3	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0.85		0	1	0
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0.87		0	0	0
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1.16		0	0	0
					ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							8.96			
2	33	3	1.b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0.40		1	1	1
2	33	5	2.c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0.40		1	1	1
2	33	6	3.b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0.40		1	1	1
2	33	9	4.m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0.40		1	1	1
2	33	10	5.b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10?	0	1	0	0	4	0.27		0	1	0
2	33	12	5.g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0.27		0	1	1
2	33	16	7.j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0.27		1	1	1
3	33	19	8.h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0.13		1	1	1
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1.97		1	1	0
1	23	67	E1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1.34		1	1	1
3	23	67	E2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0.41		0	0	0
2	23	67	E3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc.) accommodate future expansion?	0	1	1	0	7	1.56		1	1	1

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impo	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses NTCGI	MCRD PI	MCRD SD
2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		1	1	1
					QUALITY OF LIFE							13.11			
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		1	1	1
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		1	1	1
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		1	0	0
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		0	1	1
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		1	1	0
1	23	46	D1(b)(1)	H6	Are 90% of BEQ rooms adequate?	0	1	0	1	8	0.92		0	1	0
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		1	1	0
1	23	47	D1(c)(1)	H8	Are 90% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	0	0
2	23	48,49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		1	1	1
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		0	0	0
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		0	1	0
3	23	50	D4	H12	Are >90% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	0	0
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	1	1
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		1	0	1
1	23	52-55	D6,D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		0	0	1
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30-mile radius?	0	0	0	1	1	0.05		1	1	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	1
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.05		1	0	0
3	23	61-66	D14	H24	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.05		1	1	0
3	23	61-66	D14	H25	Is the drug crime rate <402/100,000?	0	0	0	1	1	0.05		1	1	0
													49.51	36.46	29.81

	NTCGI	MCRD PI	MCRD SD
FORMAL TRAINING MISSION	20.61	7.70	6.93
OTHER SUPPORT MISSIONS	1.16	1.07	1.07
TRAINING FACILITIES, EQUIPMENT AND ARE	7.81	3.77	1.34
OTHER FACILITIES	0.89	1.12	1.35

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impo	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses NTCGI	MCRD PI	MCRD SD
					MAINTENANCE, REPAIR, AND EQUIPMENT E								1.38	1.49	2.18
					LOCATION								0.00	3.62	3.64
					ENCROACHMENT, ENVIRONMENTAL ISSUES								8.02	8.55	6.31
					QUALITY OF LIFE								9.65	9.14	7.00
					Total:								49.51	36.46	29.81

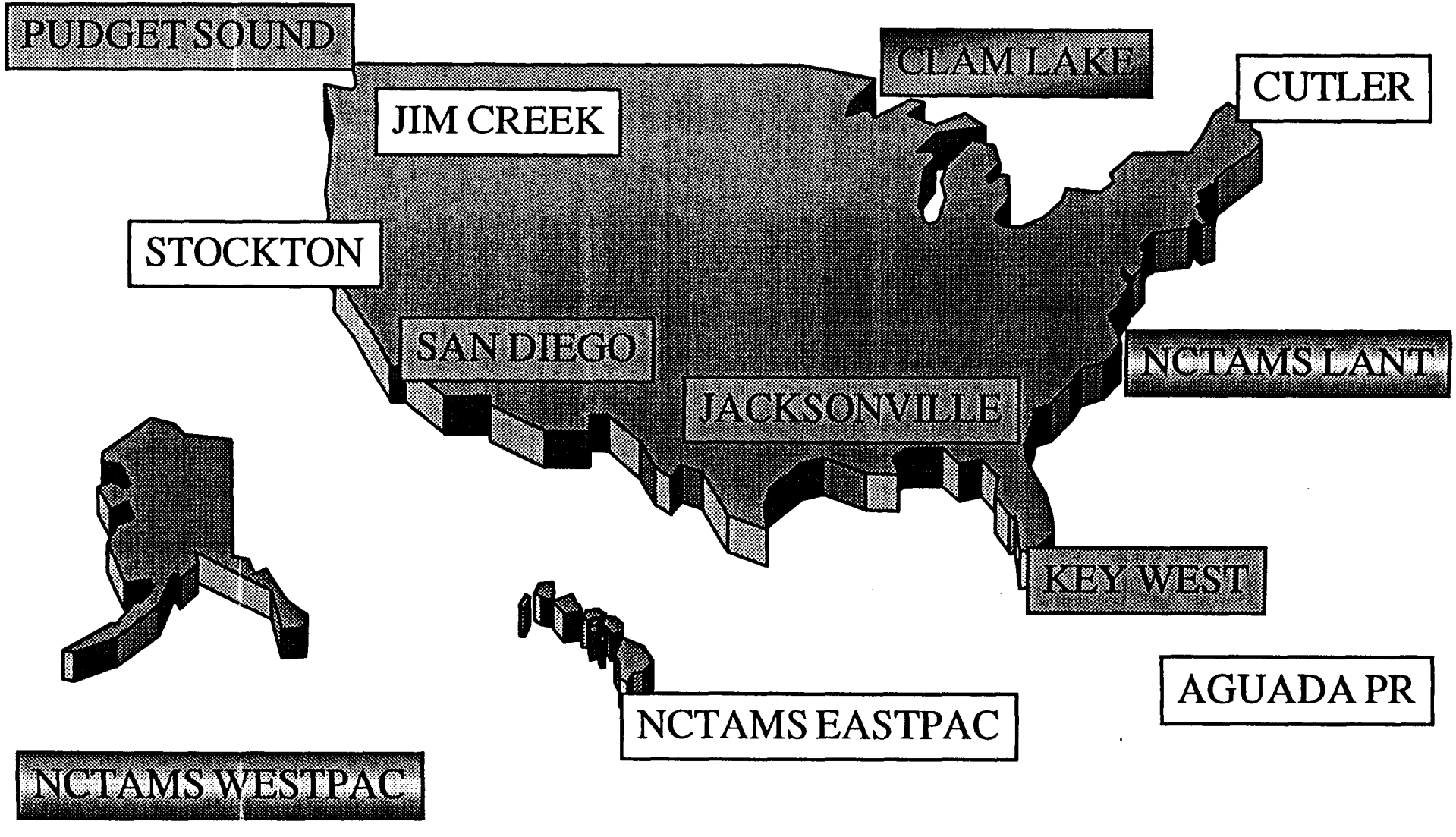
Document Separator

COMPUTER AND TELECOMMUNICATIONS CAPACITY ANALYSIS

BASIC FUNCTIONS

- **BROADCAST TRANSMISSION**
  - » ELF - VLF/LF - HF BANDS and SATCOMM
- **BASE COMPUTING SERVICES**
  - » NETWORK SETUP/MAINTENCE
  - » INFORMATION SYSTEM SUPPORT
- **OTHER SERVICES**
  - » SUBORDINATE CENTER/FACILITY MANAGEMENT
  - » TELEPHONE/INTERNET SERVICES
  - » CIRCUIT CARD/EQUIPMENT REPAIR
  - » LOCAL/WIDE AREA NETWORK MANAGEMENT

TELECOMMUNICATION BROADCAST FACILITIES



TELECOMMUNICATION STATIONS

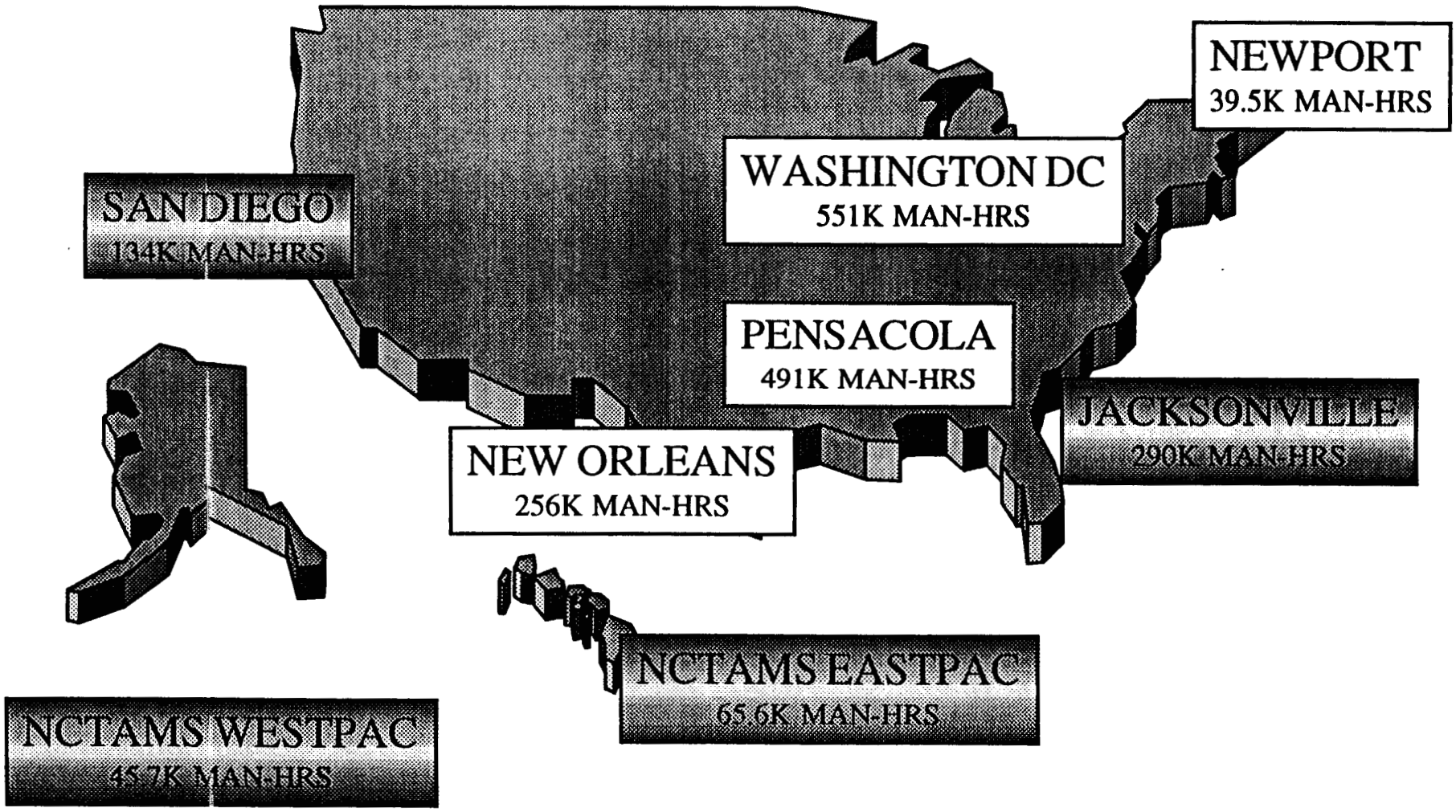
STATION	ELF	VLF/LF	HF	SATCOM
NCTAMS LANT				XXXX
NCTAMS EASTPAC		XXXX	XXXX	XXXX
NCTAMS WESTPAC			XXXX	XXXX
CLAM LAKE WI	XXXX			
CUTLER ME		XXXX	XXXX	
JACKSONVILLE FL			XXXX	
KEY WEST FL			XXXX	
PUERTO RICO		XXXX	XXXX	
SAN DIEGO CA			XXXX	
STOCKTON CA		XXXX	XXXX	XXXX
JIM CREEK WA		XXXX		
PUGET SOUND WA			XXXX	

TELECOMMUNICATION CAPACITY MEASURES

- BROADCAST TRANSMISSION COVERAGE
  - ANALYSIS BY BROADCAST BAND

ELF	NO EXCESS CAPACITY
VLF/LF	ATLANTIC NO EXCESS CAPACITY PACIFIC LIMITED CAPACITY
HF	NO EXCESS CAPACITY
SATCOMM	NO EXCESS CAPACITY

COMPUTER AND TELECOMMUNICATION FACILITIES



COMPUTER/OTHER CAPACITY MEASURES

- BASE LEVEL COMPUTING
  - CURRENT (1993) 2064K MAN-HRS/YR
  - PROJECTED (2001) 1979K MAN-HRS/YR
  -
- OTHER SERVICES
  - BASE FOLLOWER OPERATIONS
  - NOT TRANSFERABLE/REMOTEABLE

RECOMMENDATION -- NO EXCESS CAPACITY

Document Separator

Naval Air Station
Marine Corps Air Station
Capacity Analysis

Encl (7)

Capacity Measures

- Requirement taken from capacity data call.
  - Unit of measure is squadron not individual aircraft.
  - Data verified against CJCS letter and SASDT -- OUTCONUS squadrons get a US parking spot.
  - Deploying squadrons assumed 75% on base.
- Capacity is taken from the same data call.
  - Unit of measure is hangar squadron module, not apron or hangar square footage.
- Only bases that received Air Station Capacity data call included in the analysis.

Squadron Module Concept

- Each Squadron module is a self sufficient unit.
  - Hangar deck space sufficient for maintenance load.
  - Operational and Administrative spaces dedicated.
  - Organizational Level Maintenance shops assigned.
  - Associated apron parking spaces for 1 squadron.
  - NAVFAC P-80 standards provide minimum specifications by aircraft type.
- Mix of large & small aircraft hangars assumed adequate for todays force.

Deploying Squadron Percent on Base Paradigm

- Deploying squadron assumed present on base 75% of the time.
  - USMC squadrons achieve this, Navy squadrons are gone slightly more.
- All reserve squadrons assumed never deployed.
- Squadrons that "det" deploy assumed never deployed. (HSL and C-2)
- FRS squadrons never deploy.

Other Tenants

- Government Tenants currently in Navy owned hangars accounted for in analysis.
  - DOD tenants include Army, Air Force, and National Guard squadrons.
  - Other tenants include Coast Guard, Customs, DEA and FAA aircraft.

Naval & Marine Air Station Capacity Analysis

	AIRSTA Sqn Modules Available	AIRSTA Sqn Modules Available		HOST Total Squadrons Assigned	HOST Total Modules Req'd	
Module Req'd	1994	2001				
Percent in homeport						
LANTFLT						
Brunswick	8	8		4	3	
Norfolk	34	34		16	13.5	
Oceana	19	19		13	11.25	
Jacksonville	16	16		14	11.75	
Mayport	6	6		5	5	
Key West	3	3		0	0	
Roosevelt Roads	3	3		1	1	
PACFLT						
North Island	22	22		24	21.75	
Lemoore	25	25		21	16.25	
El Centro	1	1		1	1	
Fallon	6	6		6	6	
Whidbey Island	18	18		20	16	
Adak	3	3		0	0	
COMCABEAST						
Cherry Point	15	25		21	17.75	
New River	16	16		10	8.5	
Beaufort	10	10		9	7.25	
COMCABWEST						
Miramar	21	25		22	18.75	
Pendleton	8	10		10	8	
Yuma	7	9		5	4	
Kaneohe Bay	10	10		10	8.5	
RESERVES						
South Weymouth	3	3		2	2	
Willow Grove	6	6		6	6	
Washington	8	10		6	6	
Atlanta	4	4		2	2	
New Orleans	4	5		5	5	
Carswell	5	5		5	5	
TOTALS						
COMCABEAST Total	41	51		40	34	
COMCABWEST Total	46	54		47	39.25	
Marine Total	87	105		87	73.25	
* LANTFLT Total	89	89		53	45.25	
* PACFLT Total	75	75		72	61	
Reserve Total	30	33		26	26	
* Navy Total	194	197		151	132.25	
Overseas Assets	0	0		18	15.25	
* Grand Total	281	302		256	220.75	

The Answer

- Excess capacity exists:
  - Reserve Air Station Required Modules: 26
  - Reserve Air Station Modules Available: 33
  - Percent excess: 21.3%

  - Active Air Station Required Modules: 180
  - Active Air Station Modules Available: 265
  - Percent excess: 33.1%

Recommendation

- ❑ Conclude that excess capacity does exist.
- ❑ Proceed with Military Value analysis.

Reserve Air Station Military Value

Calcs	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Military Criteria				BSEC		RESRV	RESRV	RESRV	RESRV	RESRV	RESRVE		
2		R	F	M	C	95		21	22	23	24	25	26		
3	Matrix Question	40	25	20	15	Score	Weight	WILGR	S.WEY	NEWOR	ATLAN	WASH	FT WRTH		Mean
4	**Flight Training Areas/Airspace**	23	23	14	10	0	30.66	26.98	26.19	26.55	15.10	25.05	20.12		23.83
5	Are there warning areas within 100 mi. of the air station?	1	1	1	1	10	1.82	1	1	1	0	1	0		
6	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1	1	0	0	7	0.97	1	1	1	0	1	0		
7	Is the flying time to this airspace less than 30 minutes?	1	1	1	1	8	1.87	1	1	1	0	1	0		
8	Is this airspace under communications control?	1	1	0	0	7	0.97	1	1	1	0	1	0		
9	Is this airspace under radar control?	1	1	0	0	6	0.83	1	1	1	0	1	0		
10	Training within the warning areas is not affected by environmental issues.	1	1	0	0	4	0.56	1	1	1	0	1	0		
11	Are there Military Operating Areas within 100 mi. of the air station?	1	1	1	1	10	2.34	1	1	1	1	1	1		
12	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1	1	1	0	7	1.37	1	1	1	0	1	1		
13	Is the flying time to this airspace less than 30 minutes?	1	1	1	1	8	1.87	1	1	1	1	1	1		
14	Is this airspace under radar control?	1	1	0	0	6	0.83	1	1	1	1	1	1		
15	Is this airspace under communications control?	1	1	0	0	7	0.97	1	1	1	1	1	1		
16	Training within the military operating areas is not affected by environmental issues.	1	1	0	0	4	0.56	1	0	1	1	1	1		
17	Is there restricted airspace for hazardous flight training within 100 mi?	1	1	1	1	10	2.34	1	1	1	1	1	1		
18	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1	1	1	0	7	1.37	1	1	1	1	1	1		
19	Is the flying time to this airspace less than 30 minutes?	1	1	1	1	8	1.87	1	1	1	0	1	1		
20	Is this airspace under radar or communications control?	1	1	0	0	7	0.97	1	1	1	1	1	1		
21	Training within the restricted airspace is not affected by environmental issues.	1	1	0	0	4	0.56	1	1	1	1	1	1		
22	The air station or a local DON activity controls an air-ground range.	1	1	1	1	9	2.10	0	1	0	0	0	0		
23	There is access to a bombing range for live ordnance within 200 miles?	1	1	1	1	10	2.34	1	0	1	1	0	1		
24	There is an area for supersonic training within 100 n.m.?	1	1	1	1	6	1.40	1	1	1	0	1	0		
25	Does the air station normally operate without ATC delays?	1	1	1	1	5	1.17	1	1	1	1	0	1		
26	This air station can accommodate 30 flight operations per hour IMC?	1	1	1	0	4	0.78	0	0	1	0	1	1		
27	This air station can accommodate 80 flight operations per hour VMC?	1	1	1	0	4	0.78	0	0	1	1	1	1		
28	**Expansion, Encroachment and Environment**	11	10	9	4	0	12.97	6.13	8.31	7.68	8.47	8.32	7.13		7.71
29	Does current operational infrastructure, geographic location, climatalogical conditions support future ex	0	1	1	0	6	0.65	1	1	1	1	1	1		
30	Are there no encroachments at the base that restrict current operations?	0	1	0	0	6	0.30	1	1	1	1	1	1		
31	Is the existing AICUZ study encoded in local zoning ordinances?	1	0	1	0	7	1.02	0	1	0	1	1	0		
32	Is the air station's present or future mission unaffected by current estimates of population growth and ar	1	0	1	0	7	1.02	1	1	1	1	1	1		
33	Activity is an "attainment" or "maintenance" air quality control area for CO, Ozone, PM10?	1	1	0	1	10	1.77	0	0	1	0	0	0		

Reserve Air Station Military Value

Calcs	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Military Criteria				BSEC		RESRV	RESRV	RESRV	RESRV	RESRV	RESRVE		
2		R	F	M	C	95		21	22	23	24	25	26		
3	Matrix Question	40	25	20	15	Score	Weight	WILGR	S.WEY	NEWOF	ATLAN	WASH	FT WRTH		Mean
34	Activity operations or development have not been restricted due to air quality considerations.	1	1	0	0	6	0.83	1	1	1	1	1	1		
35	Base ops or development are not constrained by laws applying to environmental facilities/NPDES.	0	1	0	0	6	0.30	1	1	1	1	1	1		
36	Activity operations or development plans have not been restricted due to Installation Restoration conside	0	1	0	0	4	0.20	1	1	1	1	1	0		
37	National Register cultural resources have not restricted operations/development.	0	1	0	1	3	0.26	1	1	1	1	1	0		
38	Endangered/threatened species and/or biological habitats have not restricted operations/development.	0	1	0	0	6	0.30	1	1	1	1	1	1		
39	Jurisdictional wetlands have not restricted operations/development.	0	1	0	0	6	0.30	0	1	0	1	1	1		
40	Any on-going environmental or airspace litigation is not directed towards base operations.	1	0	0	1	4	0.50	1	1	1	1	1	1		
41	Unrestricted developable land exceeds 100 acres	0	1	1	0	8	0.86	0	1	1	0	0	0		
42	Does the airspace overlying and adjacent to the air station have the capacity to support additional workl	1	0	1	0	7	1.02	1	1	0	1	1	1		
43	It is projected that flight operations will remain unaffected by major civilian air traffic structure in the reg	1	0	1	0	7	1.02	0	0	0	1	0	1		
44	No unusual flight pattern or approach restrictions exist at this air station?	1	0	1	0	6	0.87	0	0	1	0	1	1		
45	Are new military missions planned for the air station?	1	0	0	0	3	0.27	0	0	0	0	0	0		
46	Sortie cancellation rate for weather is never 5% or greater per month.	1	0	1	1	4	0.73	0	1	0	1	0	0		
47	Instrument Meteorological Conditions (IMC) rate is never 20% or greater per month.	1	0	1	0	5	0.73	1	0	0	0	1	0		
48	**Airfield Maintenance and Unique Facilities**	10	9	5	5	0	6.95	3.66	3.66	3.66	3.66	4.00	5.52		4.02
49	Air station has weapons storage/handling facilities/magazines?	1	1	1	1	5	1.17	1	1	1	1	1	1		
50	No ESQD waivers exist at this air station?	1	1	0	0	6	0.83	1	1	1	1	0	0		
51	Air station performs intermediate or organizational level maintenance on ordnance?	1	1	1	1	2	0.47	0	0	0	0	1	1		
52	The AIMD/MALS supports all T/M/S aircraft stationed at your air station?	1	1	1	1	6	1.40	1	1	1	1	1	1		
53	This air station has an Aircraft Accoustical Enclosure (CCN 211-01)?	1	1	0	0	5	0.70	0	0	0	0	0	1		
54	This air station has a Corrosion Control Hangar (CCN 211-03)?	1	1	0	0	6	0.83	0	0	0	0	0	1		
55	This air station has an Engine Test Cell (CCN 211-81)?	1	1	0	1	4	0.71	0	0	0	0	1	1		
56	Weather does not have a significant impact on maintenance schedules?	1	0	0	1	2	0.25	1	1	1	1	1	1		
57	Can the air station berth CVs/CVNs in a cold iron status?	1	1	1	0	2	0.39	0	0	0	0	0	0		
58	Can the air station berth air capable combatant ships, including transients, in a cold iron status?	1	1	1	0	1	0.20	0	0	0	0	0	0		
59	**Air Station Facilities and Infrastructure**	14	21	15	11	0	18.64	11.36	6.73	10.65	10.05	11.57	10.07		10.07
60	Does the air station manage (schedule and control) an outlying landing field?	1	1	1	0	5	0.98	0	0	0	0	0	0		
61	Is average MRP more than 1.7 % of CPV over the past 7 years (88-94)	1	1	1	0	7	1.37	1	0	0	1	1	0		
62	Capital Improvements from 88-94 exceeded $11.5M.	0	1	0	1	3	0.26	0	0	1	1	0	0		
63	Capital Improvements from 88-94 exceeded $19M.	0	1	0	1	6	0.53	1	0	0	0	0	0		

Reserve Air Station Military Value

Calcs	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Military Criteria				BSEC		RESRV	RESRV	RESRV	RESRV	RESRV	RESRVE		
2		R	F	M	C	95		21	22	23	24	25	26		
3	Matrix Question	40	25	20	15	Score	Weight	WILGR(	S.WEYI	NEWOF	ATLAN	WASH	FT WRTH		Mean
64	Planned non-BRAC capital improvements from 94-97 < 10% of CPV	0	1	0	1	6	0.53	1	1	0	1	1	1		
65	Do current administrative support facilities provide capability for future expansion?	0	1	1	0	1	0.11	0	1	0	0	0	1		
66	Does available PW, gas, electric and sewer supply exceed peak demand?	0	1	0	1	6	0.53	1	1	1	1	1	1		
67	Area cost factor is less than 0.9	0	1	0	1	5	0.44	0	0	0	0	0	0		
68	Area cost factor is between 0.9 and 1.0	0	1	0	1	3	0.26	0	0	0	1	0	1		
69	Can this air station operate 24 hours a day?	1	0	1	0	2	0.29	1	1	1	0	1	1		
70	Runway, taxiway and ramp weight- bearing capacity accommodates all DON aircraft?	1	1	1	0	5	0.98	1	1	1	1	1	1		
71	Runway, taxiway and ramp weight- bearing capacity accommodates all MAC aircraft?	1	1	1	1	2	0.47	1	1	1	1	1	1		
72	Hangar Capacity at this air station is at least 5 modules?	1	1	1	0	7	1.37	1	0	1	0	0	1		
73	Hangar Capacity at this air station is at least 8 modules?	1	1	1	0	10	1.96	0	0	0	0	1	0		
74	Less than 10% of the hangar/maintenance facilities are in inadequate condition?	0	1	0	1	7	0.62	1	1	1	1	1	1		
75	Less than 10% of the fuel storage facilities are in inadequate condition?	0	1	0	1	7	0.62	1	1	1	1	1	1		
76	The air station has more than one NAVAID used by USN/USMC aircraft?	0	1	0	0	4	0.20	1	1	1	1	1	0		
77	Air station's parallel or dual offset runways permit dual IFR flight operations	1	0	1	0	1	0.15	0	0	0	0	1	0		
78	The air station has full-length taxiways?	1	1	1	0	7	1.37	1	1	1	1	1	1		
79	The air station has one runway at least 8000 feet long.	1	1	1	0	10	1.96	1	0	1	1	1	1		
80	The air station has a crosswind runway?	1	0	1	0	7	1.02	0	1	1	0	0	0		
81	The BEQ has space for 40% of enlisted population	0	1	0	1	5	0.44	0	0	0	0	1	0		
82	Use of off base storage at this air station is not required?	0	1	0	1	1	0.09	1	0	1	1	1	1		
83	There is at least 1 runway you control which has CLZ lighting (FCLP)?	1	1	1	0	4	0.78	0	0	0	1	0	0		
84	The air station has 50,000 but less than 90,000 flight evolutions per year?	1	0	1	0	3	0.44	1	0	0	0	0	0		
85	The air station has more than 90,000 flight evolutions per year?	1	0	1	0	6	0.87	0	0	1	0	0	1		
86	**Military/General and Support Missions**	14	6	6	8	0	6.77	4.54	4.37	2.57	3.45	3.14	5.67		3.96
87	Does air station or tenants have any non-DOD support missions?	0	1	0	1	1	0.09	1	1	1	0	1	1		
88	Are military surveillance operations conducted from the air station?	1	1	0	0	1	0.14	1	1	1	0	1	0		
89	Air station directly supports area control/surveillance mission (e.g., FACSFAC)?	1	1	0	0	1	0.14	0	0	0	0	0	0		
90	Air station is home station to other DOD components?	1	1	0	1	3	0.53	1	0	1	1	1	1		
91	Air station or tenants have significant agreements to support other DoD, gov't or civilian activities?	1	0	0	0	1	0.09	1	1	1	1	0	1		
92	Does the air station provide aircraft SAR support to the civilian community?	1	0	0	0	1	0.09	0	0	1	0	0	1		
93	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	3	0.38	1	0	0	0	1	0		

Reserve Air Station Military Value

Calcs	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Military Criteria				BSEC		RESRV	RESRV	RESRV	RESRV	RESRV	RESRVE		
2		R	F	M	C	95		21	22	23	24	25	26		
3	Matrix Question	40	25	20	15	Score	Weight	WILGR	S.WEY	NEWOR	ATLAN	WASH	FT WRTH		Mean
94	Is the air station's location of strategic military value?	1	0	0	0	2	0.18	0	0	0	0	0	0		
95	Another military airport with 8000 feet of usable runway is within 100 miles?	1	0	1	0	5	0.73	1	1	0	1	1	1		
96	Does the air station or tenants have National Command Authority missions or NATO designation?	1	0	0	0	1	0.09	0	0	1	0	0	0		
97	Are ground combat and/or special operation forces located in the area?	1	0	1	0	7	1.02	1	1	0	0	0	1		
98	Do ground combat and/or special operation forces train at this air station?	1	0	1	0	2	0.29	1	1	0	0	0	1		
99	Air station is home station to a DON non-aviation surface reserve center?	1	0	1	1	4	0.73	0	1	0	1	0	1		
100	Air station is home station to an active or reserve construction battalion?	1	0	1	1	4	0.73	0	0	0	0	0	1		
101	Air station is home station to non-DOD flying units?	0	1	0	1	2	0.18	0	0	1	0	0	0		
102	Air station is home station to non-DOD components?	0	1	0	1	1	0.09	0	0	1	1	0	1		
103	Air station is home station to a USMC reserve support unit?	1	0	1	1	7	1.28	1	1	1	1	1	1		
104	**Demographics**	8	0	8	8	0	9.89	4.58	7.87	4.40	3.85	4.03	4.94		4.94
105	The air station has in excess of 3000 SELRES billets.	1	0	1	1	8	1.47	0	1	1	0	1	1		
106	Personnel on reserve unit waiting lists are >= 10% of aggregate authorized unit strength for FY1993.	1	0	1	1	5	0.92	0	0	0	1	0	0		
107	More than 90% of the Resforon SELRES officer billets were filled in FY93.	1	0	1	1	9	1.65	1	1	0	0	1	1		
108	More than 90% of the Resforon SELRES enlisted billets were filled in FY93.	1	0	1	1	10	1.83	0	1	0	0	0	1		
109	More than 90% of the non-squadron SELRES officer billets were filled in FY93.	1	0	1	1	5	0.92	1	1	1	1	1	0		
110	More than 90% of the non-squadron SELRES enlisted billets were filled in FY93.	1	0	1	1	6	1.10	0	1	0	0	0	0		
111	SELRES officer participation has been 97.4 or greater for the last three fiscal years.	1	0	1	1	5	0.92	1	1	1	1	0	0		
112	SELRES enlisted participation has been 94.5 or greater for the last three fiscal years.	1	0	1	1	6	1.10	1	0	1	1	0	0		
113	**Training**	3	4	2	4	0	3.54	2.25	0.62	2.25	0.62	2.25	2.25		1.71
114	Required major flight/training simulators located at or near the air station?	1	1	1	1	7	1.64	1	0	1	0	1	1		
115	There is an aviation flight physiology training facility in the local area?	1	1	1	1	4	0.93	0	0	0	0	0	0		
116	Less than 10% of the training facilities are in inadequate condition.	0	1	0	1	7	0.62	1	1	1	1	1	1		
117	Is there a shipboard aircraft fire fighting trainer in the local area?	1	1	0	1	2	0.35	0	0	0	0	0	0		
118	**Quality of Life**	1	17	0	27	0	10.42	4.86	3.62	4.03	4.96	8.80	5.23		4.92
119	Is officer FH waiting list <6 months	0	1	0	1	6	0.53	0	1	0	0	1	0		
120	Is enlisted FH waiting list < 6 months	0	1	0	1	7	0.62	0	0	0	0	1	0		
121	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.53	1	1	1	1	1	0		
122	Is the BEQ occupancy rate < 90%?	0	1	0	1	8	0.70	0	0	0	0	0	1		
123	Are 90% of the BEQ rooms adequate?	0	1	0	1	8	0.70	1	0	1	1	0	1		

Reserve Air Station Military Value

Calcs	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Military Criteria				BSEC		RESRV	RESRV	RESRV	RESRV	RESRV	RESRVE		
2		R	F	M	C	95		21	22	23	24	25	26		
3	Matrix Question	40	25	20	15	Score	Weight	WILGR	S.WEY	NEWOR	ATLAN	WASH	FT WRTH		Mean
124	Is the BOQ occupancy rate < 90%?	0	1	0	1	6	0.53	1	0	0	1	0	1		
125	Are 90% of the BOQ rooms adequate?	0	1	0	1	7	0.62	0	0	0	0	1	1		
126	Does the air station have more than 90% of the listed MWR facilities?	0	1	0	1	7	0.62	0	0	0	0	0	0		
127	Does the air station have between 70% and 90% of the listed MWR facilities, including library, pool, gym	0	1	0	1	4	0.35	0	0	0	0	1	0		
128	Is the average wait for 0-12 month child care facilities < 180 days?	0	1	0	1	6	0.53	0	0	0	1	1	0		
129	Is the average wait for child care 6 months or less	0	1	0	1	7	0.62	0	0	0	1	1	0		
130	Is the average wait for child care between 6 & 12 months	0	1	0	1	4	0.35	1	1	1	0	0	1		
131	Are > 90% of the air station's child care facilities adequate?	0	1	0	1	4	0.35	1	0	1	1	1	1		
132	Are there certified home care providers?	0	1	0	0	4	0.20	1	1	1	0	1	0		
133	Does the air station have more than 90% of the listed family support facilities and programs?	0	1	0	1	6	0.53	0	0	0	0	1	0		
134	Does the air station have between 70% and 90% of listed family support facilities, including commissary	0	1	0	1	3	0.26	0	0	0	0	0	1		
135	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.38	1	0	0	0	0	0		
136	Is there sufficient off base housing?	0	1	0	1	6	0.53	1	1	1	1	1	1		
137	Are there opportunities for consecutive follow on tours in the commuting area?	0	0	0	1	10	0.38	1	1	1	1	1	1		
138	Do >50% of employees live within 30 minutes of the base	1	0	0	1	4	0.50	1	1	1	1	1	1		
139	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.15	0	1	1	1	1	1		
140	Are there educational opportunities at all college levels within a 30 mi radius?	0	0	0	1	1	0.04	1	1	1	1	1	1		
141	Are college education courses available on the base?	0	0	0	1	1	0.04	1	1	1	1	1	1		
142	Does the air station have an active FSC spouse employment program?	0	0	0	1	1	0.04	1	1	1	1	0	1		
143	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.23	1	1	1	0	1	0		
144	Is the violent crime rate less than 758 per 100,000	0	0	0	1	1	0.04	1	1	0	1	0	0		
145	Is the drug crime rate less than 402 per 100,000	0	0	0	1	1	0.04	0	1	0	0	1	1		
146	Is the property Crime rate less than 4902 per 100000	0	0	0	1	1	0.04	1	1	0	0	1	0		

Reserve Air Station Military Value

Calcs	D	J	K	L	M	N	O	P	Q	R
158										
159	Military Value Area	Weight	WILGR	S.WEY	NEWOR	ATLAN	WASH	FT WRTH		Mean
160	**Flight Training Areas/Airspace**	30.66	26.98	26.19	28.55	16.10	25.05	20.12		23.83
161	Flight Training Areas/Airspace rank		2	3	1	6	4	5		
162	Flight Training Areas/Airspace difference from mean		3.15	2.36	4.72	-7.74	1.22	-3.71		
163	**Air Station Facilities and Infrastructure**	18.64	11.36	6.73	10.65	10.05	11.57	10.07		10.07
164	Air Station Facilities and Infrastructure rank		2	6	3	5	1	4		
165	Air Station Facilities and Infrastructure difference from mean		1.29	-3.34	0.58	-0.03	1.50	-0.00		
166	**Expansion, Encroachment and Environment**	12.97	6.13	8.31	7.88	8.47	8.32	7.13		7.71
167	Expansion, Encroachment and Environment rank		6	3	4	1	2	5		
168	Expansion, Encroachment and Environment difference from mean		-1.58	0.61	0.17	0.77	0.62	-0.58		
169	**Quality of Life**	10.42	4.86	3.62	4.03	4.96	6.80	5.23		4.92
170	Quality of Life rank		4	6	5	3	1	2		
171	Quality of Life difference from mean		-0.06	-1.30	-0.88	0.05	1.88	0.31		
172	**Demographics**	9.89	4.58	7.87	4.40	3.85	4.03	4.94		4.94
173	Demographics rank		3	1	4	6	5	2		
174	Demographics difference from mean		-0.37	2.93	-0.55	-1.10	-0.92	0.00		
175	**Airfield Maintenance and Unique Facilities**	6.95	3.66	3.66	3.66	3.66	4.00	5.52		4.02
176	Airfield Maintenance and Unique Facilities rank		3	3	3	3	2	1		
177	Airfield Maintenance and Unique Facilities difference from mean		-0.37	-0.37	-0.37	-0.37	-0.03	1.50		
178	**Military/General and Support Missions**	6.77	4.54	4.37	2.57	3.45	3.14	5.67		3.96
179	Military/General and Support Missions rank		2	3	6	4	5	1		
180	Military/General and Support Missions difference from mean		0.59	0.41	-1.39	-0.51	-0.81	1.71		
181	**Training**	3.54	2.25	0.62	2.25	0.62	2.25	2.25		1.71
182	Training rank		1	5	1	5	1	1		
183	Training difference from mean		0.55	-1.09	0.55	-1.09	0.55	0.55		
184	**Total Military Value**	99.82	64.36	61.37	63.99	51.14	65.16	60.94		61.16
185	**Overall Rank**		2	4	3	6	1	5		
186	Military Value Differential		3.20	0.21	2.83	-10.02	4.00	-0.23		
187			WILGR	S.WEY	NEWOR	ATLAN	WASH	FT WRTH		

Reserve Air Station Configuration Model Specifications

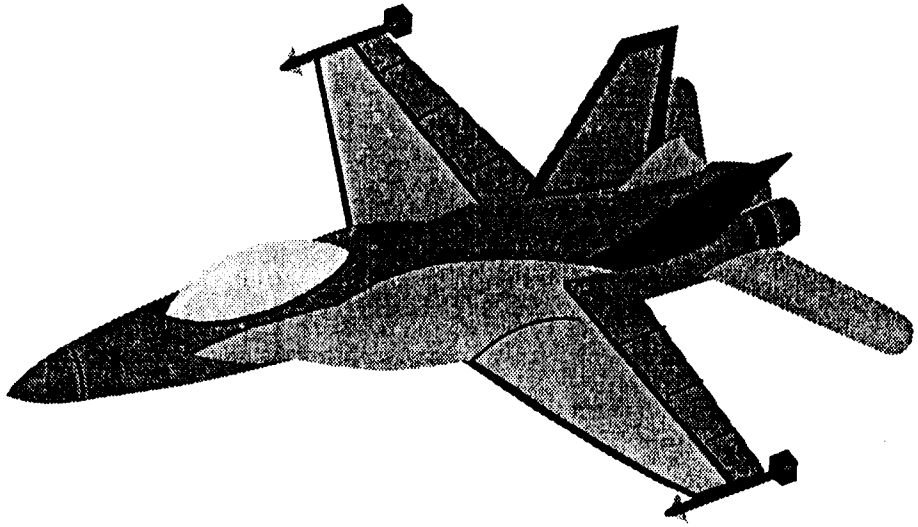


Fig. 1 (3)

Approach

- Parameters included:
  - C-20 squadron placed
  - Only DON squadrons and hangars included
  - Aircraft squadron characteristics
    - Hangar type
    - Homeport-load factor
  - Air station capacity in squadron modules by type
- Objective Function:
  - Minimize excess squadron modules

Laydown Outside the Model

- Reserve squadrons at DON T & E facilities
- Reserve squadrons at non-DON activities

Initial Configuration Model Rules

- Average military value is maintained
- Only one type administrative support squadron per base

Model Output Measures

- Air stations open or closed

Generation of Alternatives

Model allows the generation of three solution sets

- Best solution-for a given set of constraints and data
- Next best-obtained by excluding the first solution
- Third best-obtained by excluding the first two solutions

Sensitivity Analysis

Sensitivity analyses can accommodate

- Future potential force level changes
- Reserve-Active station interaction
- Check feasibility of solution

RESERVE AIR STATIONS

Air Station Characteristics

Station	Type I	Type II	MILVAL
South Weymouth	0	3	62.0
Willow Grove	2	4	64.7
Washington, DC	8	2	65.1
Atlanta	1	3	50.4
New Orleans	2	3	62.7
Fort Worth	3	2	62.7

Aircraft Squadron Characteristics

AIRCRAFT	MODULE	AIRCRAFT	MODULE
F-14	I	C-9	II
EA-6	I	C-130	II
FA-18	I	C-20	I
AV-8	I	H-1	I
E-2	I	H-46 (USMCR)	I
P-3	II	H-53 (USMCR)	I
HS	I	H-53 (USNR)	I
HSL	I		

- **All reserve squadrons receive 100% in port factor**

Initial Reserve Model Output

- 5 stations remain open
- 1 station closed (Atlanta)
- Initial average military value: 61.1
- Final average military value: 63.7
- 4 excess squadron modules retained by model

Secondary Reserve Model Output

- 6 stations remain open
- No station closed
- Initial average military value: 61.1
- Final average military value: 61.1
- 8 excess squadron modules retained by model

- Tertiary solution is identical to second solution.

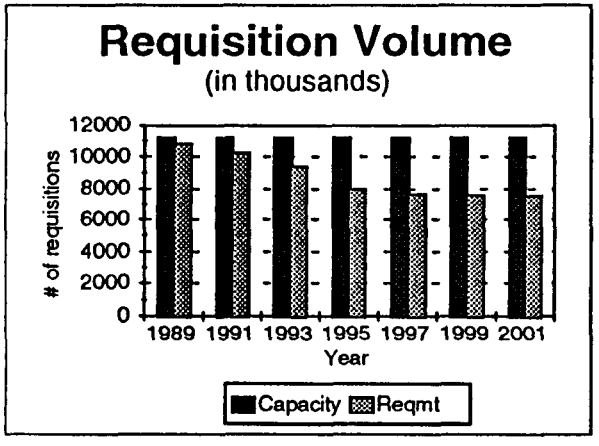
Document Separator

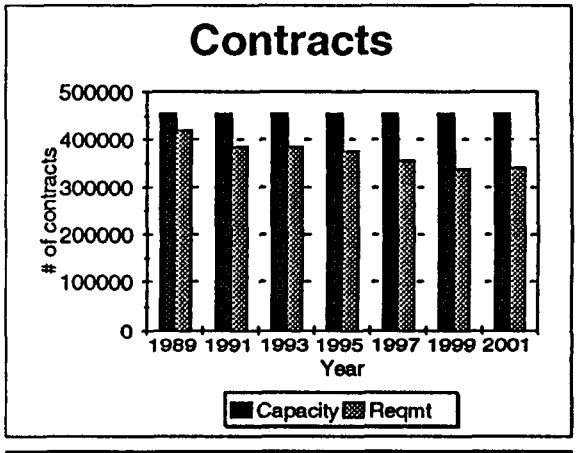
Fleet & Industrial Supply Center Capacity Analysis

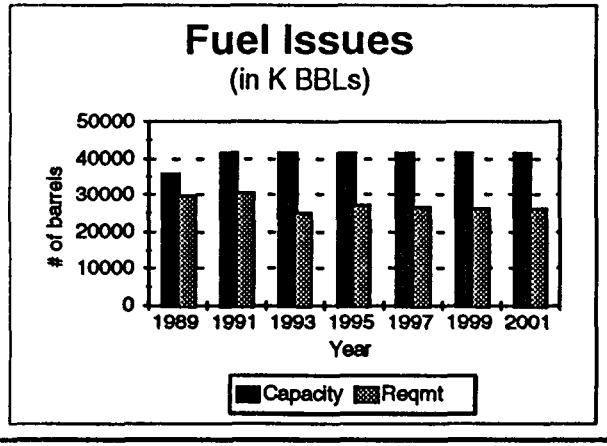
Capacity Measures

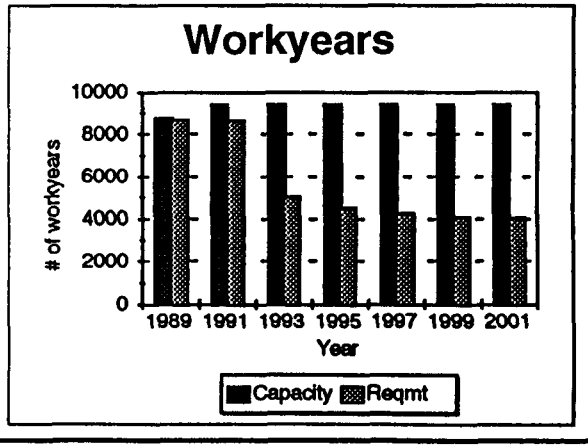
- **Capacity** is historic "high water mark"in 4 areas from capacity data call
  - requisition volume
  - contracts
  - fuel
  - workyears
- **Requirement** is direct lift from activity projections in capacity data call

Capacity Analysis Summary









The Answer:

Excess capacity does exist

Requisition Volume

Capacity in 2001:	11,205 K
Requirement:	7,535 K
Percent excess:	33%

Contracts

Capacity in 2001:	455,641
Requirement:	341,553
Percent excess:	25%

Fuel Issues

Capacity in 2001:	41,777 K BBLs
Requirement:	26,261 K BBLs
Percent excess:	37%

Workyears

Capacity in 2001:	9,423
Requirement:	4,069
Percent excess:	57%

Recommendation

- Conclude that excess capacity does exist
- Proceed with military value analysis

FISC Military Value

Calcs	F	H	I	J	K	N	O	R	S	T	U	V	W	X	Y	Z	AA
1		Criteria				BSEC											
2		R	F	M	C	95	MV										
3	QUESTIONS	50	20	10	20	Score	Weight	Norfolk+	Charleste	Jax	Puget	Oakland	San Diego	Guam	Pearl		Mean
4	OPERATIONS/CUSTOMER SUPPORT SERVICES	24	6	20	3	0	41.87	32.36	6.34	22.21	27.74	15.58	25.58	21.01	22.78		21.71
5	The annual volume of requisitions processed has exceeded 2.25 million.	1	0	1	0	10	2.54	1	0	0	0	0	0	0	0		
6	The annual volume of requisitions processed has been between 1.4 million and 2.25 million.	1	0	1	0	7	1.78	0	0	0	1	1	1	0	0		
7	The annual volume of requisitions processed has been between 650K and 1.4 million.	1	0	1	0	4	1.02	0	1	1	0	0	0	0	0		
8	Is the FISC providing large (>$25K) purchasing services?	1	0	1	0	6	1.52	1	1	1	1	1	1	1	1		
9	Is the FISC providing small (<$25K) purchasing services?	1	0	1	0	8	2.03	1	1	1	1	1	1	1	1		
10	The annual volume of contracts awarded has exceeded 85,000.	1	0	1	0	10	2.54	1	0	0	0	0	0	0	0		
11	The annual volume of contracts awarded has been between 57,000 and 85,000.	1	0	1	0	7	1.78	0	1	0	1	1	1	0	0		
12	The annual volume of contracts awarded has been between 29,000 and 57,000.	1	0	1	0	4	1.02	0	0	1	0	0	0	0	1		
13	Does the FISC have a customer service operation?	1	0	1	0	7	1.78	1	0	1	1	1	1	1	1		
14	The total annual volume of fuel issued has exceeded 8 million barrels.	1	1	1	0	10	3.57	1	0	0	0	0	0	0	0		
15	The total annual volume of fuel issued has been between 5 and 8 million barrels.	1	1	1	0	7	2.50	0	0	0	1	0	1	0	1		
16	The total annual volume of fuel issued has been between 1 and 5 million barrels.	1	1	1	0	4	1.43	0	0	1	0	1	0	1	0		
17	Does the FISC's fuel operation service fleet oilers?	1	1	1	0	4	1.43	1	0	0	1	0	1	1	1		
18	Does the FISC provide personal property support services?	0	1	0	1	6	1.51	1	0	1	1	0	1	1	1		
19	Does the FISC support overseas replenishment of ships or overseas activities?	1	0	1	0	10	2.54	1	0	0	1	1	0	1	0		
20	Does the FISC provide strategic weapons system support?	1	0	0	0	5	1.00	1	0	0	1	0	0	0	0		
21	Does the FISC perform engineering/technical support/cataloging services?	1	0	1	0	5	1.27	1	0	1	1	1	1	1	1		
22	Does the FISC perform repairables management services?	1	0	1	0	7	1.78	1	0	1	1	0	1	1	1		
23	Does the FISC perform non-repairables management services?	1	0	1	0	5	1.27	1	0	1	1	1	1	1	1		
24	Does the FISC provide regional consumer level inventory management services?	1	0	1	0	8	2.03	1	0	1	1	0	1	0	1		
25	Does the FISC provide foreign military sales support?	0	0	0	1	2	0.30	1	0	1	1	0	1	0	0		
26	Does the FISC have retail store operations (Servmart,Shop Store, Ready Supply Store)?	1	0	0	1	7	2.44	1	0	1	1	0	1	1	1		
27	Does the FISC provide publication support?	1	0	0	0	1	0.20	1	0	1	1	1	1	0	1		
28	Does the FISC provide material movement service?	1	0	1	0	4	1.02	1	0	1	0	0	1	1	1		
29	Does the FISC provide provision support to its customers?	1	0	1	0	4	1.02	1	0	1	0	0	1	1	1		
30	Does the FISC provide any special project support using a unique capability?	1	1	0	0	2	0.61	1	0	1	1	0	0	0	0		
31	OPERATIONAL INFRASTRUCTURE	12	12	9	6	0	28.56	26.59	8.74	12.50	19.38	12.83	12.01	5.64	12.56		13.59
32	Is the FISC part of a major fleet concentration?	1	0	0	1	9	3.13	1	0	1	1	0	1	0	1		
33	Does the FISC location provide any strategic or geographic advantages?	1	0	1	0	8	2.03	1	1	1	1	1	1	1	1		
34	Is the FISC within 25 miles of all transportation modes?	0	0	1	1	6	1.21	1	1	1	0	1	1	0	0		
35	Is the FISC serviced by a railroad?	1	1	1	0	4	1.43	1	1	1	1	1	1	0	0		
36	Is the FISC capable of cold iron berthing of general class ships?	0	1	1	0	3	0.47	1	0	0	0	1	0	0	0		
37	Can the FISC berth more than one ship?	0	1	1	0	2	0.31	1	1	0	1	1	1	1	1		
38	Does the FISC have significant excess covered storage?	0	1	1	0	1	0.16	0	1	0	0	1	0	0	1		

FISC Military Value

Calcs	F	H	I	J	K	N	O	R	S	T	U	V	W	X	Y	Z	AA
1		Criteria				BSEC											
2		R	F	M	C	95	MV										
3	QUESTIONS	50	20	10	20	Score	Weight	Norfolk+	Charleste	Jax	Puget	Oakland	San Dieg	Guam	Pearl		Mean
39	Does the FISC possess unique and specialized fuel operations equipment or facilities?	1	1	0	0	7	2.12	1	0	0	1	1	0	0	1		
40	Does the FISC possess unique personal property facilities, warehouse space or equipment?	1	1	0	1	7	3.16	1	0	0	0	0	0	0	0		
41	Does the FISC have access to unique facilities or equipment for container loadout?	1	1	1	0	7	2.50	1	0	0	0	0	0	0	0		
42	Does the FISC have acess to unique facilities or equipment for breakbulk loadout?	1	1	1	0	7	2.50	1	0	0	0	0	0	0	0		
43	Does the FISC possess specialized material movement facilities or equipment?	1	1	0	0	4	1.21	1	0	0	0	0	0	0	0		
44	The average fuel storage capacity out of service has not exceeded 5%?	1	1	0	0	5	1.52	0	1	0	0	0	0	1	0		
45	Does the FISC operate a hazardous material minimization/reuse center?	1	1	0	1	6	2.71	1	0	1	1	1	1	1	1		
46	Does the FISC possess a unique capability for providing CLF overseas support?	1	1	1	1	4	2.02	1	0	0	0	0	0	0	0		
47	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	2.09	1	1	1	1	1	1	1	1		
48	BASE INFRASTRUCTURE AND INVESTMENT	4	16	3	12	0	7.74	3.52	2.01	3.77	3.27	2.45	2.01	0.75	2.01		2.47
49	Is the FISC clear of any contiguous support requirements (police, security, cafeteria, fire prote	1	1	0	1	1	0.45	0	0	0	0	1	0	0	0		
50	Is average MRP more than 1.7% of CPV over the past 7 years (88-94)?	0	1	0	1	7	1.76	0	0	1	1	0	0	0	0		
51	Capital improvements from 1988 to 1994 exceeded $33 million.	0	1	0	1	6	1.51	1	0	0	1	0	0	0	0		
52	Capital improvements from 1988 to 1994 exceeded $10 million.	0	1	0	1	3	0.75	0	1	0	0	1	1	1	1		
53	Planned non-BRAC capital improvements from 1994-1997 are less than 10% of CPV	0	1	0	1	5	1.26	1	0	1	0	1	1	0	1		
54	Area cost factor is less than 0.9	0	1	0	1	5	1.26	0	1	0	0	0	0	0	0		
55	Area cost factor is between 0.9 and 1.0	0	1	0	1	3	0.75	1	0	1	0	0	0	0	0		
56	EXPANSION, ENCROACHMENT AND ENVIRONMENT	3	11	3	5	0	15.20	5.51	3.40	5.51	12.70	5.88	2.05	11.88	5.88		7.10
57	Are there no encroachments at the base that restrict current operations?	0	1	0	0	6	0.62	1	1	1	0	1	1	1	1		
58	Activity is in an "attainment" or "maintenance" area for CO, Ozone, PM10.	1	1	0	1	10	4.51	0	0	0	1	0	0	1	1		
59	Activity operations or development plans not restricted due to air quality considerations.	1	1	0	0	6	1.82	1	0	1	1	1	0	1	1		
60	Activity operations or development plans have not been restricted due to Installation Restorat	0	1	0	0	4	0.41	1	0	1	1	0	1	1	1		
61	National register cultural resources have not restricted operations/development.	0	1	0	1	3	0.75	1	0	1	1	0	0	1	0		
62	Ops/Devel plans not constrained by endangered/threatened species or wetlands.	0	1	0	0	6	0.62	1	1	1	1	1	1	0	1		
63	Unrestricted developable land exceeds 50 acres.	0	1	1	0	8	1.25	1	0	1	0	0	0	1	0		
64	Does the activity have any specific capabilities for handling/disposing of hazardous waste/ma	0	1	0	1	8	2.01	0	0	0	1	1	0	1	0		
65	Is the FISC clear of environmental restrictions for expansion?	0	1	1	0	4	0.63	1	0	1	0	0	0	0	0		
66	Is the FISC clear of any weather impacts?	1	0	1	1	1	0.40	1	1	1	1	1	1	0	1		
67	Is the FISC clear of restrictive explosive quantity standard limitations?	0	1	0	0	4	0.41	0	0	0	1	1	0	0	0		
68	Have environmental enhancements for fuel handling systems exceeded $10 million dollars ov	0	1	0	1	7	1.76	0	1	0	1	0	0	0	0		
69	QUALITY OF LIFE	3	2	0	9	0	8.68	4.09	5.33	5.18	5.33	4.23	5.79	5.24	5.08		3.97
70	Is there sufficient off base housing?	0	1	0	1	4	1.00	1	1	1	1	0	1	0	0		
71	Does the FISC/host base have more than 90% of listed MWR facilities?	0	1	0	1	4	1.00	0	0	0	0	0	0	0	0		
72	Are there educational opportunities at all college levels within a 30 mi radius?	1	0	0	1	4	1.39	1	1	1	1	1	1	1	1		

FISC Military Value

Calcs	F	H	I	J	K	N	O	R	S	T	U	V	W	X	Y	Z	AA
1		Criteria				BSEC											
2		R	F	M	C	95	MV										
3	QUESTIONS	50	20	10	20	Score	Weight	Norfolk+	Charlesto	Jax	Puget	Oakland	San Diego	Guam	Pearl		Mean
73	Are college education courses available at the FISC/host base?	1	0	0	1	4	1.39	1	1	1	1	0	1	1	1		
74	Do >50% of site military and civilian personnel live within 30 minutes commute?	1	0	0	1	4	1.39	0	1	1	1	0	0	0	0		
75	Is the violent crime rate less than 758 per 100,000?	0	0	0	1	1	0.15	1	0	0	1	0	0	1	1		
76	Is the drug crime rate less than 402 per 100,000?	0	0	0	1	1	0.15	1	1	0	1	0	0	1	1		
77	Is the property crime rate less than 4902 per 100,000?	0	0	0	1	1	0.15	0	0	0	1	0	0	1	0		
78								73.36	25.83	50.26	63.15	37.85	46.39	45.03	48.81		48.8346

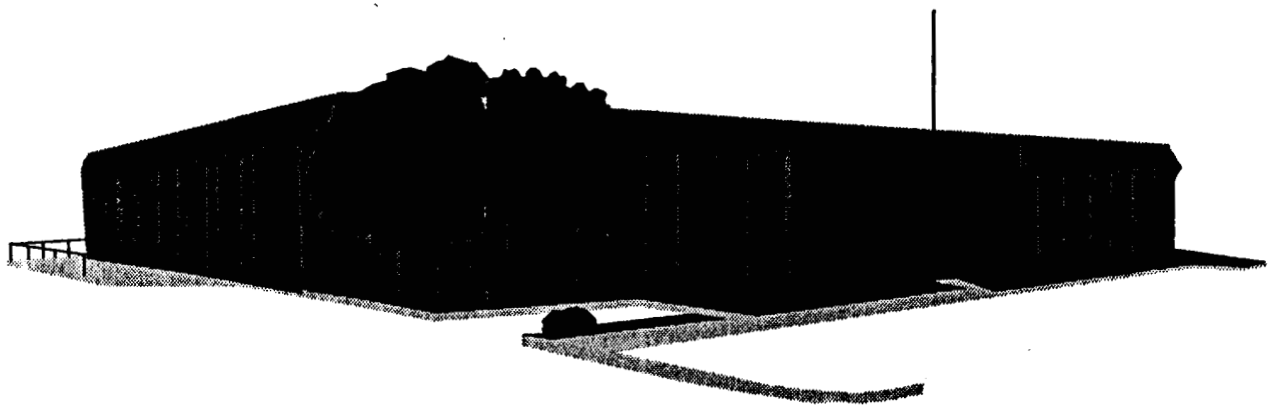
FISC Military Value

Calcs	F	O	R	S	T	U	V	W	X	Y	Z	AA
89		MV										
90	**Military Value Area**	Weight	Norfolk+	Charlesto	Jax	Puget	Oakland	San Dieg	Guam	Pearl		Mean
91	**Operations/Customer Support Services**	41.87	32.36	6.34	22.21	27.74	15.58	25.62	21.01	22.79		21.71
92	Operations/Customer Support Services rank		1	8	5	2	7	3	6	4		
93	Operations/Customer Support Services difference from mean		10.65	-15.36	0.50	6.03	-6.12	3.92	-0.70	1.08		
94	**Operational Infrastructure**	28.56	26.89	8.74	12.60	13.82	12.53	12.91	8.66	12.55		13.59
95	Operational Infrastructure rank		1	7	4	2	6	3	8	5		
96	Operational Infrastructure difference from mean		13.30	-4.84	-0.99	0.23	-1.06	-0.68	-4.93	-1.04		
97	**Base Infrastructure and Investment**	7.74	3.52	2.01	3.77	3.27	2.46	2.01	0.75	2.01		2.47
98	Base Infrastructure and Investment rank		2	5	1	3	4	5	8	5		
99	Base Infrastructure and Investment difference from mean		1.04	-0.46	1.29	0.79	-0.01	-0.46	-1.72	-0.46		
100	**Expansion, Encroachment and Environment**	15.20	6.51	3.40	6.51	12.70	5.88	2.05	11.38	8.38		7.10
101	Expansion, Encroachment and Environment rank		4	7	4	1	6	8	2	3		
102	Expansion, Encroachment and Environment difference from mean		-0.59	-3.70	-0.59	5.60	-1.22	-5.05	4.28	1.28		
103	**Quality of Life**	6.63	4.09	5.33	5.18	5.63	1.39	3.79	3.23	3.08		3.97
104	Quality of Life rank		4	2	3	1	8	5	6	7		
105	Quality of Life difference from mean		0.12	1.37	1.22	1.66	-2.57	-0.17	-0.74	-0.88		
106	**Total Military Value**	100	73.36	25.83	50.26	63.15	37.85	46.39	45.03	48.81		48.83
107	Overall Rank		1	8	3	2	7	5	6	4		
108	Military Value Differential		24.53	-23.01	1.43	14.32	-10.99	-2.45	-3.81	-0.02		
109			Norfolk+	Charlesto	Jax	Puget	Oakland	San Dieg	Guam	Pearl		

Encl (3)

Fleet and Industrial Supply Centers

Configuration Model Specifications



Approach

- Parameters included:
  - FISC capacity in workyears
  - FY 2001 workyears is requirement
- Objective function:
  - minimize excess capacity

Initial Configuration Model Rules

- Average military value is maintained
- Retain any FISC that supports, at any fleet concentration, at least 50% of major DON functional mission areas (aviation, surface, sub-surface, depot, USMC ground)

Model Output Measures

- FISCs open or closed

Generation of Alternatives

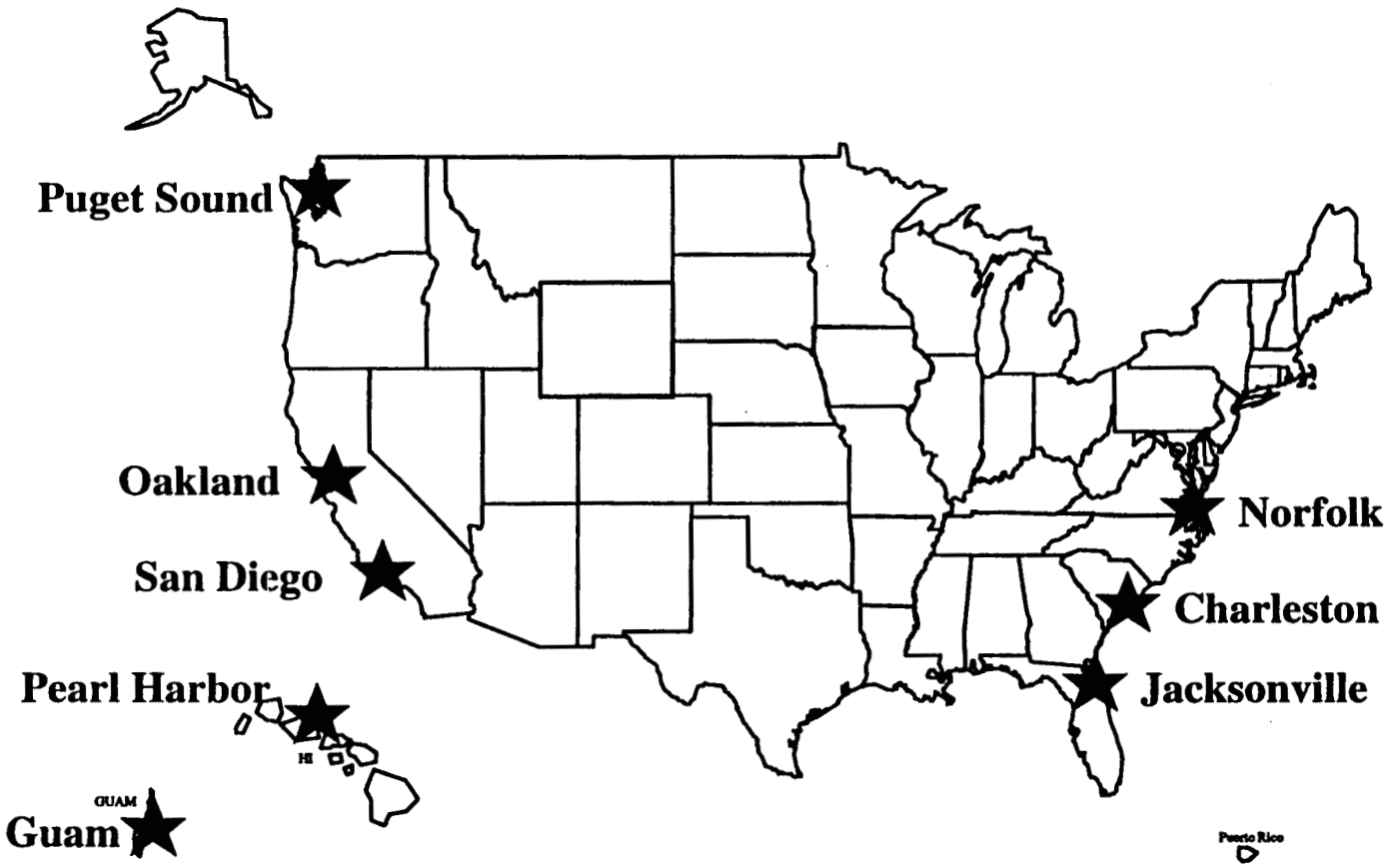
- Model allows the generation of three solution sets
  - Best solution-for a given set of constraints and data
  - Next best-obtained by excluding the first solution
  - Third best-obtained by excluding the first two solutions

Sensitivity Analysis

Sensitivity analyses can accommodate

- Reduce requirement by:
  - 10%
  - 20%
- Increase requirement by:
  - 10%

FISCs



Fleet and Industrial Supply Centers

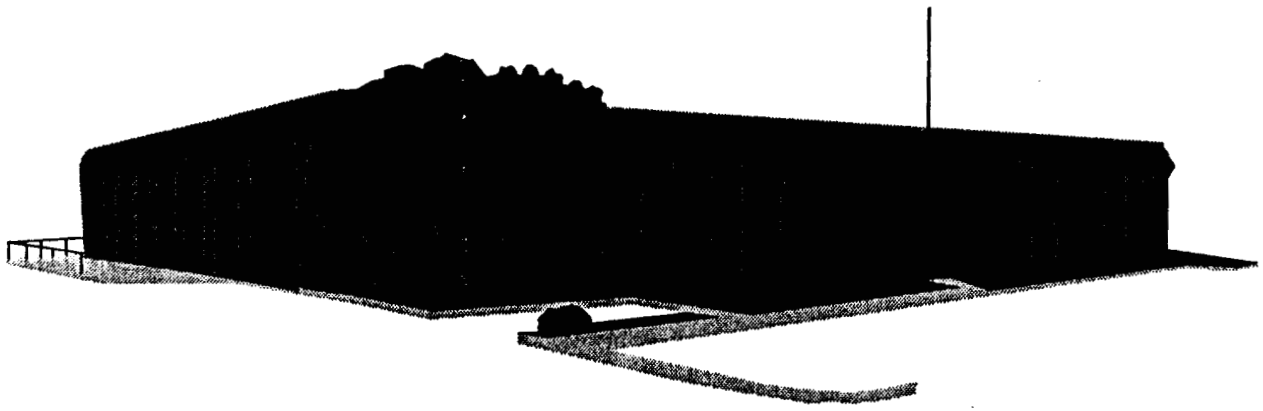
FISC Characteristics

FISC	Workyear Capacity	Military Value
Norfolk	3296	73.36
Puget Sound	606	63.15
Jacksonville	588	50.26
San Diego	852	47.64
Pearl Harbor	668	48.81
Guam	413	45.03
Oakland	2017	42.84
Charleston	1100	25.83

Encl (11)

Fleet and Industrial Supply Centers

Configuration Model
Results



Initial FISC Model Output

- 5 FISCs remain open (Jax, Norfolk, Pearl, Puget, San Diego)
- 3 FISCs closed (Chasn, Guam, Oakland)
- Initial average military value: 49.62
- Final average military value: 56.64
- 1700 excess workyears retained

Second FISC Solution Output

- 6 FISCs remain open (Guam, Jax, Norfolk, Pearl, Puget, San Diego)
- 2 FISCs closed (Chasn, Oakland)
- Initial average military value: 49.62
- Final average military value: 54.71
- 2113 excess workyears retained by model

Third FISC Solution Output

- 6 FISCs remain open (Chasn, Jax, Norfolk, Pearl, Puget, San Diego)
- 2 FISCs closed (Guam, Oakland)
- Initial average military value: 49.62
- Final average military value: 51.51
- 2800 excess workyears retained by model

Fleet and Industrial Supply Centers Modeling Results

16 November 1994

Option	Norfolk	Puget	Jax	SanDiego	Pearl	Guam	Oakland	Chasn	% Excess	AVG MV
Primary									28%	56.64
Second									33%	54.71
Third									39%	51.51
Up 10%									28%	56.64
Second									33%	54.71
Third									39%	51.51
Down 10%									28%	56.64
Second									33%	54.71
Third									39%	51.51
Down 20%									28%	56.64
Second									33%	54.71
Third									39%	51.51

Note: % excess is based on constant (FY 2001) requirement

=closed Initial avg MV = 49.62

Rules Applied to the Model

1. Average military value is maintained

2. Retain any FISC that supports, at any fleet concentration, at least 50% of major DON functional mission areas (aviation, surface, sub-surface, depot, USMC ground)

Document Separator

Technical Center Configuration Modeling

Preliminary Specifications

Approach

- Parameters included:
  - Technical Center total technical workyear capacity
  - Technical Center functional capacity in workyears
  - Technical Center functional requirement in workyears

- Objective function components:
  - Minimize technical excess capacity

Technical Function Definitions

- Activities partitioned their workload into 1,386 functional categories:
  - 18 life-cycle phases
  - 77 functional support areas
- For the configuration model, these were aggregated into 116 functional categories:
  - 4 life-cycle phases
  - 29 functional support areas

Total Technical Workyear Capacity

Symbol	Description
bwy94	1994 budgeted workyears
maxbwy	Maximum budgeted workyears
onbd94	1994 civilian and military onboard
exppers	Expansion personnel capacity
expspace	Expansion space capacity
sqfpers	Square feet required per person (125)
twy93	1993 total technical workyears
bwy93	1993 budgeted workyears
bwy97	1997 budgeted workyears
twyfut	Estimated future technical workyears

maximum onboard = $(onbd94/bwy94) \times maxbwy$

Alternate calculation: maximum onboard =

$$\max\left[(onbd94/bwy94) \times maxbwy,\ onbd94 + exppers,\ onbd94 + (expspace/sqfpers)\right]$$

maximum technical workyears = maximum onboard x $(twy93/onbd94)$

twyfut = $twy93 \times (bwy97/\ bwy93)$

Technical Center Workload Capacity Data

Technical Center	1994 civ/mil onboard	1994 budgeted workyear	1997 budgeted workyear	Onboard/ workyear factor	Maximum budget. wy	Max bwy onboard	Personnel expansion potential	Maximum onbd with exp. pers.	Expansion space (SF)	Expansion space/ 125 SF	Maximum onbd with exp. sp.	Alternate maximum onboard	1993 technical workload	Future technical workload	Tech wy/ onbd	Maximum BYYY tech workload	Alternate max tech workload
NAWC HQ	38	35.00		1.09	35.00	38	0	38	0	0	38	38	0.0	0.0	0.00	0	0
NAWC CHINA LAKE	4963	5130.00	4526.00	0.97	5910.00	5718	2594	7557	302,000	2416	7379	7557	3567.8	3147.7	0.72	4111	5433
NAWC POINT MUGU	4315	4718.00	4098.00	0.91	5969.00	5459	1120	5435	0	0	4315	5459	3423.1	2973.3	0.79	4331	4331
NAWC INDIANAPOLIS	2861	3031.00	2736.00	0.94	3383.00	3193	1415	4276	0	0	2861	4276	2639.8	2382.9	0.92	2946	3945
NAWC PAX RIVER	6100	4804.00	5939.00	1.27	6183.00	7851	0	6100	0	0	6100	7851	5335.3	6595.8	0.87	6867	6867
NAWC DET WARMINSTER	30			0.00	14.00	0	0	30	0	0	30	30	12.0	0.0	0.40	0	12
NAWC DWTF ORELAND	0			0.00	0.00	0	0	0	0	0	0	0	0.0	0.0	0.00	0	0
NAWC LAKEHURST	2120	1967.00	1825.00	1.08	2619.00	2823	43	2163	43,000	344	2464	2823	1164.0	1079.9	0.55	1550	1550
NATSD ORLANDO	967	1069.00	1050.00	0.90	1323.00	1197	150	1117	0	0	967	1197	1080.0	1060.8	1.12	1337	1337
NATSF PHILADELPHIA	247	300.00	284.00	0.82	323.00	266	0	247	0	0	247	266	206.0	195.0	0.83	222	222
NAESU LAKEHURST	86	939.00	891.00	0.09	1614.00	148	0	86	0	0	86	148	0.0	0.0	0.00	0	0
NSWC HQ	14			0.00	0.00	0	0	14	0	0	14	14	0.0	0.0	0.00	0	0
NSWC CRANE	3698	3796.00	2973.00	0.97	4002.00	3899	1225	4923	193,000	1544	5242	5242	2637.1	2065.4	0.71	2780	3738
NSWC DET LOUISVILLE	2178	2229.00	1746.00	0.98	2705.00	2643	0	2178	119,000	952	3130	3130	1463.3	1146.2	0.67	1776	2103
NSWC HTA SULLIVAN	0	3.00	3.00	0.00	3.00	0	0	0	0	0	0	0	3.0	3.0	0.00	0	3
NSWC DAHLGREN	2986	3301.20	2860.00	0.90	3429.20	3102	0	2986	0	0	2986	3102	2241.1	1941.6	0.75	2328	2328
NSWC PANAMA CITY	1299	1245.00	1156.00	1.04	1352.00	1411	168	1467	25,493	203.944	1503	1503	887.8	824.3	0.68	964	1027
NSWC PORT HUENEME	2718	2715.00	2168.00	1.00	3346.00	3350	541	3259	67,800	542.4	3260	3350	2389.0	1907.7	0.88	2944	2944
NSWC CARDEROCK	1443	1405.00	1425.00	1.03	1963.00	2016	448	1891	10,900	87.2	1530	2016	938.0	951.4	0.65	1310	1310
NSWC DET PHILADELPHIA	1673	1585.00	1614.00	1.06	1758.00	1856	0	1673	6,812	54.4928	1727	1856	1308.0	1331.9	0.78	1451	1451
NSWC DET ANNAPOLIS	785	715.00	431.00	1.10	807.00	886	0	785	0	0	785	886	454.3	273.9	0.58	513	513
NSWC ARD BAYVIEW	49	68.00	51.00	0.72	68.00	49	15	64	0	0	49	64	39.8	29.9	0.81	40	52
NSWC INDIAN HEAD	2293	2185.00	1895.20	1.05	2637.70	2768	32	2325	50,820	406.56	2700	2768	1333.8	1156.9	0.58	1610	1610
NSWC DET YORKTOWN	46	48.44	43.89	0.95	61.33	58	0	46	0	0	46	58	39.0	35.3	0.85	49	49
NAVSEALOGCEN MECHANICSBUR	312	298.00	308.00	1.05	374.00	392	0	312	0	0	312	392	367.0	379.3	1.18	461	461
NAVSEASUPCEN SAN DIEGO	508	463.00	329.00	1.10	494.00	542	0	508	0	0	508	542	504.0	358.1	0.99	538	538
NAVSEASUPCEN PEARL HARBOR	54	54.00	55.00	1.00	55.00	55	0	54	0	0	54	55	54.0	55.0	1.00	55	55
NUWC HQ	19	19.00	19.00	1.00	19.00	19	0	19	0	0	19	19	0.0	0.0	0.00	0	0
NUWC NEWPORT	2184	2470.00	2820.00	0.88	2881.00	2547	402	2586	88,164	705.312	2889	2889	1803.4	2058.9	0.83	2103	2386
NUWC DET NEW LONDON	1290	1312.00	510.00	0.98	1584.00	1557	800	2090	0	0	1290	2090	1091.5	424.3	0.85	1317	1768
NUWC KEYPORT	2969	2681.10	2206.90	1.11	3452.00	3823	0	2969	24,000	192	3161	3823	2253.3	1854.8	0.76	2901	2901
SEASPARROW PSO	49	52.00	65.00	0.94	65.00	61	0	49	0	0	49	61	51.0	63.8	1.04	63	61
NAVWARASSESDIV CORONA	896	1054.80	1062.80	0.85	1322.10	1123	948	1844	74,050	592.4	1488	1844	874.8	881.4	0.98	1096	1800
NAVEODTECHDIV INDIAN HEAD	327	233.00	233.00	1.40	267.00	375	0	327	0	0	327	375	152.0	152.0	0.46	174	174
NOC INDIAN HEAD	104	104.00	95.00	1.00	104.00	104	0	104	0	0	104	104	0.0	0.0	0.00	0	0
AEGIS COMBAT CENTER WALLOPS	133	388.00	345.00	0.34	388.00	133	0	133	0	0	133	133	86.0	76.5	0.65	86	86
AEGIS TECH REP MOORESTOWN	49	97.50	97.50	0.50	103.50	52	0	49	0	0	49	52	93.5	93.5	1.91	99	99
NCCOSC HQ	29			0.00	0.00	0	0	29	0	0	29	29	0.0	0.0	0.00	0	0
NCCOSC RDT&E SAN DIEGO	2789	2825.00	2416.00	0.99	3525.00	3480	1114	3903	391,895	3135.16	5924	5924	1690.8	1446.0	0.61	2110	3591
NCCOSC RDT&E DET WARMINSTER	265	291.00	292.00	0.91	303.00	276	0	265	0	0	265	276	220.3	221.1	0.83	229	229
NCCOSC ISE EAST CHARLESTON	329	347.00	620.00	0.95	628.00	595	0	329	0	0	329	595	324.0	578.9	0.98	586	586
NCCOSC ISE EAST DET NORFOLK	432	391.00	285.00	1.10	445.00	492	0	432	0	0	432	492	393.0	286.5	0.91	448	448
NCCOSC ISE WEST SAN DIEGO	816	622.00	631.00	1.31	775.00	1017	0	816	0	0	816	1017	609.6	618.4	0.75	760	760
NCCOSC ISE WEST PEARL HARBOR	136	132.00	132.00	1.03	223.00	230	0	136	0	0	136	230	170.1	170.1	1.25	288	288
NAVMASO CHESAPEAKE	387	512.00	500.00	0.76	677.00	512	0	387	0	0	387	512	531.0	518.6	1.37	703	703
NAVTECHREPO LAUREL	16	14.00	11.00	1.14	40.00	46	tenant	16	0	0	16	46	0.0	0.0	0.00	0	0
NRL	2958	3115.00	2989.00	0.95	3502.00	3325	292	3250	37,000	296	3254	3325	1887.0	1810.7	0.64	2121	2121
NRL DET UNDERWATER SOUND RE	111	118.00	100.00	0.94	127.00	119		111		0	111	119	62.8	53.2	0.57	67	67

Technical Center Workload Capacity Data

Technical Center	1994 civ/mil onboard	1994 budgeted workyear	1997 budgeted workyear	Onboard/ workyear factor	Maximum budget wy	Max bwy onboard	Personnel expansion potential	Maximum onbd with exp. pers.	Expansion space (SF)	Expansion space/ 125 SF	Maximum onbd with exp. sp.	Alternate maximum onboard	1993 technical workload	Future technical workload	Tech wy/ onbd	Maximum BWY tech workload	Alternate max tech workload
ONR	478	496.00	449.00	0.96	555.00	535	0	478	0	0	478	535	452.5	409.6	0.95	506	506
NAVFACENGSERCEN PT HUENEME	514	520.00	525.00	0.99	602.00	595	0	514	0	0	514	595	428.4	432.5	0.83	496	496
AFWTF	127	40.00	39.00	3.18	47.00	149	0	127	0	0	127	149	44.0	42.9	0.35	52	52
FTSC ATLANTIC	617	607.00	653.00	1.02	699.00	711	0	617	0	0	617	711	753.0	810.1	1.22	868	868
FTSC ATLANTIC NORFOLK	127	151.00	151.00	0.84	151.00	127	0	127	0	0	127	127	299.0	299.0	2.35	299	299
FTSC ATLANTIC MAYPORT	123	130.00	138.00	0.95	138.00	131	0	123	0	0	123	131	118.0	125.3	0.96	126	126
PMRF BARKING SANDS	254	141.00	153.00	1.80	153.00	276	0	254	0	0	254	276	244.0	264.8	0.96	265	265
NPRDC SAN DIEGO	236	231.00	167.00	1.02	371.00	379	0	236	0	0	236	379	245.3	177.3	1.04	394	394
COMOPTEVFOR NORFOLK	301	71.00	71.00	4.24	71.00	301	0	301	0	0	301	301	61.0	61.0	0.20	61	61
NCTRF NATICK	47	47.00	47.00	1.00	52.00	52	0	47	0	0	47	52	54.9	54.9	1.17	61	61
NAVMEDRESINST BETHESDA	372	162.00	162.00	2.30	166.00	381	0	372	0	0	372	381	289.0	289.0	0.78	296	296
NAVHTHRESCEN SAN DIEGO	83	150.00	165.00	0.55	165.00	91	0	83	0	0	83	91	48.0	52.8	0.58	53	53
NAVAERMEDRESLAB PENSACOLA	38	42.00	35.00	0.90	60.00	54	0	38	0	0	38	54	42.0	35.0	1.11	60	60
NAVBIOLAB NEW ORLEANS	63	66.00	46.00	0.95	86.00	82	0	63	0	0	63	82	21.0	14.6	0.33	27	27
NAVSUBMEDRESLAB GROTON	61	64.00	64.00	0.95	72.00	69	0	61	0	0	61	69	42.8	42.8	0.70	48	48
NAVDENRESINST GREAT LAKES	31	47.00	47.00	0.66	47.00	31	0	31	0	0	31	31	37.0	37.0	1.19	37	37
													47561.08			56983	63596

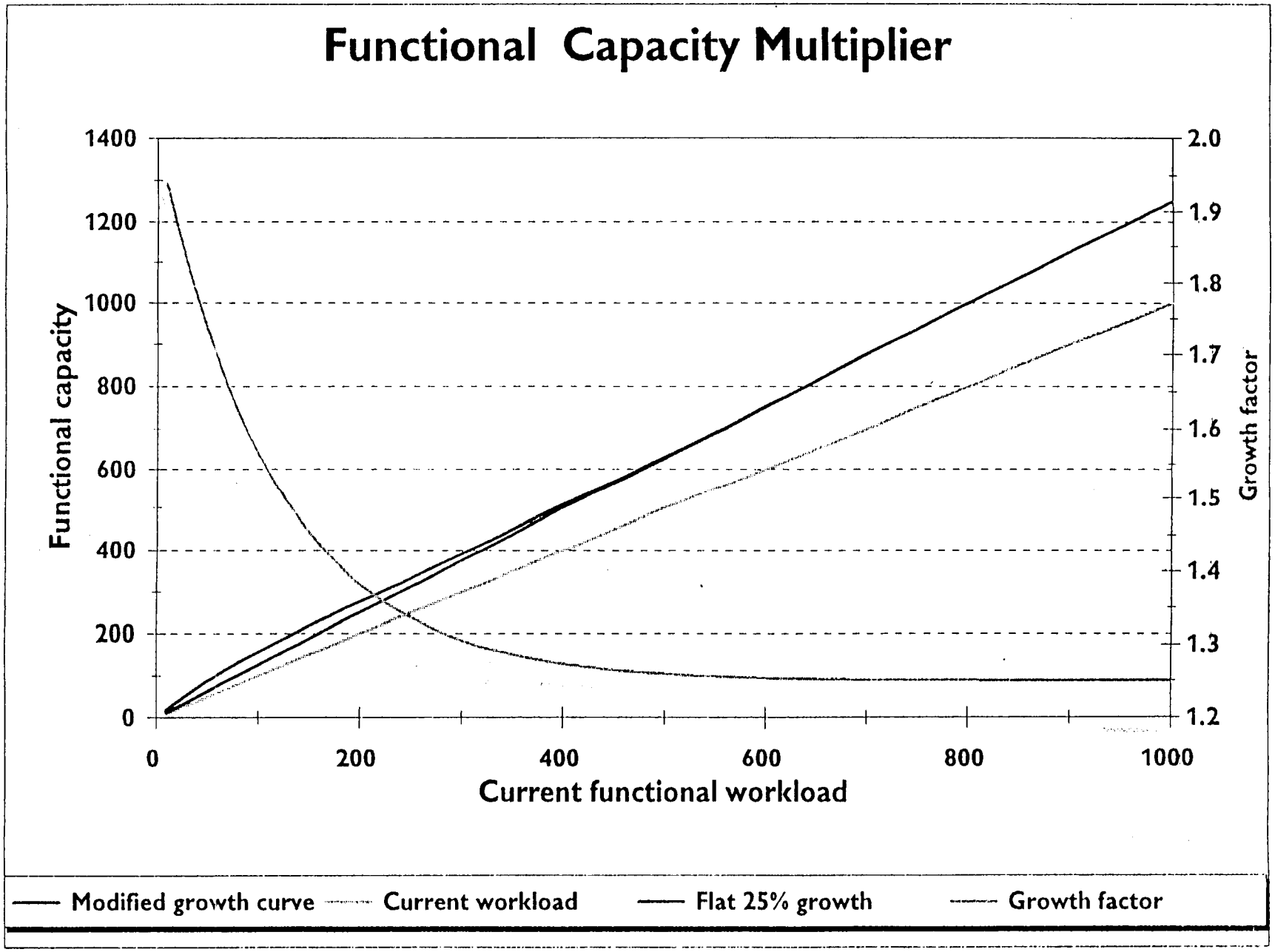
Technical Function Capacities and Requirements

Symbol	Description
twy93	1993 total technical workyears
twyfut	1997 total technical workyears
cur(l,f)	Current technical workyears in (l,f) life cycle/functional support area combination
mingro	Minimum growth in any (l,f) combination (1.25)
maxgro	Maximum growth in any (l,f) combination (2.00)
α	solves mingro x (1-((maxgro/mingro) - 1) x exp(-500α))= mingro + 0.01

Functional capacity (l,f) =

$$cur(l,f) \times mingro \times \left(1+((maxgro/mingro) - 1) \times \exp(-\alpha\, cur(l,f))\right)$$

Functional requirement (l,f) = $(twyfut / twy93) \times cur(l,f)$


Functional Capacity Multiplier
Functional capacity
1400
1200
1000
800
600
400
200
0
Growth factor
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
0
200
400
600
800
1000
Current functional workload
Modified growth curve
Current workload
Flat 25% growth
Growth factor

Initial Configuration Model Rules

- Average military value is maintained
- Preserve minimum required capability at specific geographically restricted activities:
  - Keep open: FTSC LANT, Det Norfolk, Det Mayport; FTCS PAC, Det Pearl
  - Maintain at least one:
    - Lake: NRL Det Orlando, Bayview ID
    - AEGIS facility: Moorestown NJ, Wallops Island
- Future requirements scaled down by 20%
- No workload transferred between open activities
- No workload transferred between different functional support areas
- Workload can be transferred between life-cycle areas where capability exists

Functional Support Areas

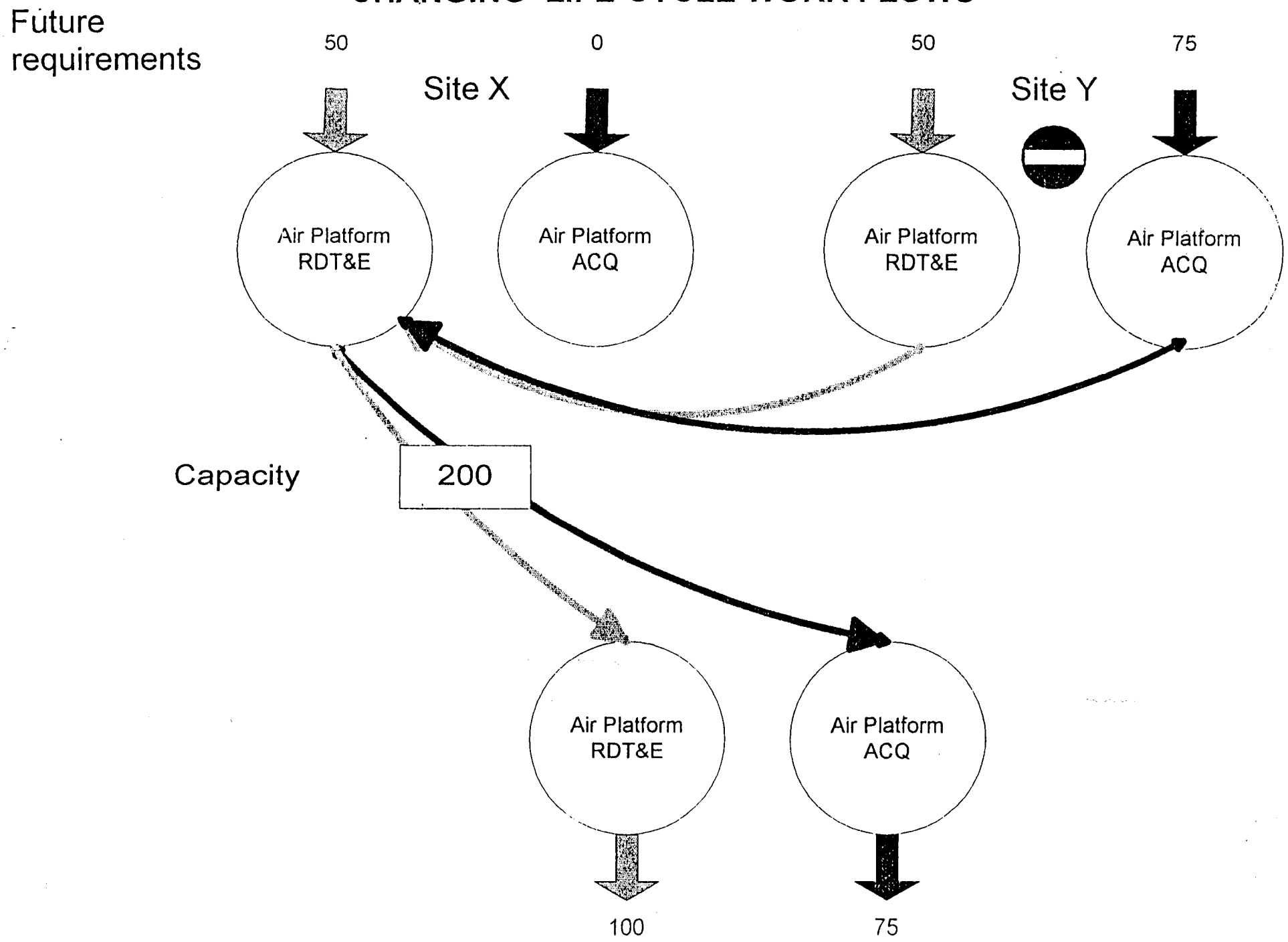
Configuration Model Functional Support Categories		Data Call Functional Support Categories
Platform	Ship	Undersea and surface ship
	Air	Aircraft
	Space	Space satellites
	Ground	Ground vehicles
Weapon systems	Missiles and free-fall weapons	Guided missiles, free fall weapons and rockets
	Torpedoes	Torpedoes
	Mines	Mines
	Guns	Gun systems
	Other	Directed energy systems, explosives, launchers, fire control, weapon data links, weapons fuzing, weapons propulsion, other ordnance, and EOD
Combat systems integration	Subsurface	Subsurface
	Air	Air
	Surface	Surface
	Multi-platform	Multi-platform
Special operations		Special operations, landing force equipment and systems, coastal/ special warfare support
Sensors and surveillance systems		Sonar systems, radar systems, special sensors, space sensors/surveillance systems, and ocean surveillance
Navigation		Submarine navigation systems, aircraft navigation systems, surface ship navigation, weapons navigation systems, satellite navigation systems.
C4I		Submarine, airborne, shipboard, land-based, space communications systems, non-tactical data systems, air traffic control systems, intelligence information systems
Defense Systems	Ballistic missile defense	Ballistic missile defense
	Other	Countermeasures and electronic warfare (EW) systems
Strategic systems		Navy strategic systems and nuclear weapons effects

Configuration Model Functional Support Categories		Data Call Functional Support Categories
General mission support	Training	Personnel and training: submarine-, aircraft-, surface-, weapons-related training systems; human resources research and development
	Logistics	Logistics planning and implementation
	Facilities	Facilities engineering
	Diving	Diving, salvage, and ocean engineering
	Environment	Environmental description, prediction, and effects
	Crew support	Crew equipment and life support: submarine, aircraft, surface ship, medical research and combat casualty care, and clothing and textiles
	Ranges	Major range development and operation
	Other	Other subsidary systems or components; center mission and functional support
Generic technology base		Computers; software; communications networking; electronic devices; materials and processes; energy storage, propulsion and energy conversion; design automation; human-systems interfaces; and other technology base programs

Life-Cycle Phases

Configuration Model Life-Cycle Phases	Data Call Life-Cycle Phases
RDT&E	Basic research, exploratory development, advanced development, engineering and manufacturing development, RDT&E managment support, and operational systems development
Acquisition	Production, acceptance testing, modernization, and program support
Life time support	Maintenance, repair, testing, in-service engineering, program support, and retirement
General	Training and operations support; simulation modeling and analysis

CHANGING LIFE-CYCLE WORK FLOWS



Model Output Measures

- Technical centers open or closed
- Additional measures:
  - Percent reduction in technical capacity
  - Average military value
  - Percent excess capacity
  - Functional workload assignment

Generation of Alternatives

Model allows the generation of three solution sets:

- Best solution-for a given set of constraints and data
- Next best-obtained by excluding the first solution
- Third best-obtained by excluding the first two solutions

Output measures will be reported for all solutions

Sensitivity Analysis

Sensitivity analyses will be conducted by:

- Varying the reduced requirements scaling
  - +10%, -10%, -20%
- Varying the rules for calculating capacities
  - Use alternative calculation for maximum onboard

Technical Center	Baseline Best	Baseline 2nd best	Baseline 3rd best	+10% Best	-10% Best	-20% Best	Alt. cap. baseline
CL	1	1	1	1	1	1	1
MUGU	1	1	1	1	1	1	1
INDY	0	0	0	0	0	0	0
PAX	1	1	1	1	1	1	1
LAKE	0	0	0	0	0	0	0
WARM	1	1	1	0	0	0	1
NATSD	1	1	1	1	1	1	1
NATSF	1	1	1	1	1	1	1
CRANE	0	0	0	0	0	0	0
LOUIS	1	1	1	1	1	1	1
DAHL	1	1	1	1	1	1	1
PANAM	1	1	1	1	1	1	1
HUEN	1	1	1	1	1	1	1
CARD	1	1	1	1	1	1	1
PHIL	1	1	1	1	0	0	1
ANN	0	0	0	0	0	0	0
BAYV	1	1	1	0	1	1	1
IHEAD	0	0	0	0	0	0	0
SULL	0	1	0	0	0	0	0
YORK	1	1	1	1	1	1	1
MECH	1	1	1	1	0	0	1
SUPSD	1	1	1	1	1	1	1
SUPPH	1	1	1	1	1	1	1
NPT	1	1	1	1	1	1	1
NLON	0	0	0	0	0	0	0
KEY	1	1	1	1	1	1	1
SEASP	1	1	1	1	1	1	1
COR	0	0	0	0	0	0	0
EOD	0	0	0	0	0	0	0
WALL	1	1	0	0	1	1	1
MOOR	0	0	1	1	0	0	0
OSSD	1	1	1	1	1	1	1
OSWAR	0	0	0	1	0	0	0
ISECH	1	1	1	1	1	1	1
ISENOR	0	0	0	0	0	0	0
ISESD	0	0	0	0	0	0	0
ISEPH	0	0	0	0	0	0	0
MASO	0	0	0	0	0	0	0
NRL	1	1	1	1	1	1	1
NRLUW	0	0	0	1	0	0	0
ONR	1	1	1	1	1	1	1
FAC	1	1	1	1	1	1	1
AFWTF	1	1	1	1	1	1	1
FLNT	1	1	1	1	1	1	1
FNOR	1	1	1	1	1	1	1
FMAY	1	1	1	1	1	1	1
BARK	1	1	1	1	1	1	1
NPRDC	0	0	0	0	0	0	0
OPTEV	0	0	0	0	0	0	0
NCTRF	1	1	1	0	0	0	1
BETH	0	0	0	1	0	0	0
HLTH	1	1	1	0	1	0	1
MEDPEN	0	0	0	1	0	0	0
BIOLAB	0	0	0	1	1	1	0
SUBMED	1	1	1	0	0	0	1
DENGL	1	1	1	0	1	1	1
No. open	35	36	35	34	31	30	35
No. closed	21	20	21	22	25	26	21
Capacity	41578	41581	41591	42019	39572	39519	45066
Pct. reduct.	27.1	27.1	27.0	26.3	30.6	30.7	29.1
Avg. MV	26.8	26.2	26.7	27.0	27.7	28.1	26.8

BASELINE

OPEN	CLOSE
CHINA LAKE	NAWC INDY
PT. MUGU	NAWC LAKEHURST
PAX	NSWC CRANE
PAX DET WARMINISTER	NSWC ANNAPOLIS
NATSD	NSWC INDIANHEAD
NATSF	CRANE DET SULLIVAN (LAKE)
LOUISVILLE	NUWC NEW LONDON
DAHLGREN	NWAD CORONA
PANAMA CITY	EOD TECH CNTR
PORT HUENEME	AEGIS MOORESTOWN
CARDEROCK	NCCOSC DET WARMINISTER
NSWC PHILLY	NISE E NORFOLK
BAYVIEW	NISE W SAN DIEGO
YORKTOWN	NISE W PEARL HARBOR
NAVSEALOGCEN	NAVMASSO
FSTC SAN DIEGO	NRL UW ORLANDO
FSTC PEARL	NPRDC
NEWPORT	OPTEVFOR
KEYPORT	NAMRI BETHESDA
SEASPARROW	AEROMED PENSCAOLA
WALLOPS	BIODYNAMICS LAB N O
NRAD	
NISE E CHARLESTON	
NRL	
ONR	
NFESC	
AFWTF	
BARKING SANDS	
FTSC LANT NORFOLK	
FSTC DET NORFOLK	
FTSC DET MAYPORT	
NCTRF	
HEALTH RESEARCH S. DIEGO	
SUBMED	
DENTAL RES INST.	

2ND BEST CHANGES

CRANE DET SULLIVAN (LAKE)

3RD BEST CHANGES

AEGIS MOORESTOWN	AEGIS WALLOPS

+ 10 %

OPEN	CLOSE
MOORESTOWN	NAWC PAX DET WARM
NCCOSC DET WARM	BAYVIEW
NRL UWRL ORLANDO	AEGIS WALLOPS
NAMRI BETHESDA	NCTRF
AEROMED PENSACOLA	HEALTH RESEARCH CEN
BIODYNAMICS LAB NEW ORL.	SUBMED GROTON
	DENTAL INSTITUTE GL

- 10 %

BIODYNAMICS LAB NO	NAWC PAX DET WARM
	NSWC PHILLY
	NAVSEALOGCEN MECH.
	NCTRF
	SUBMED GROTON

- 20 %

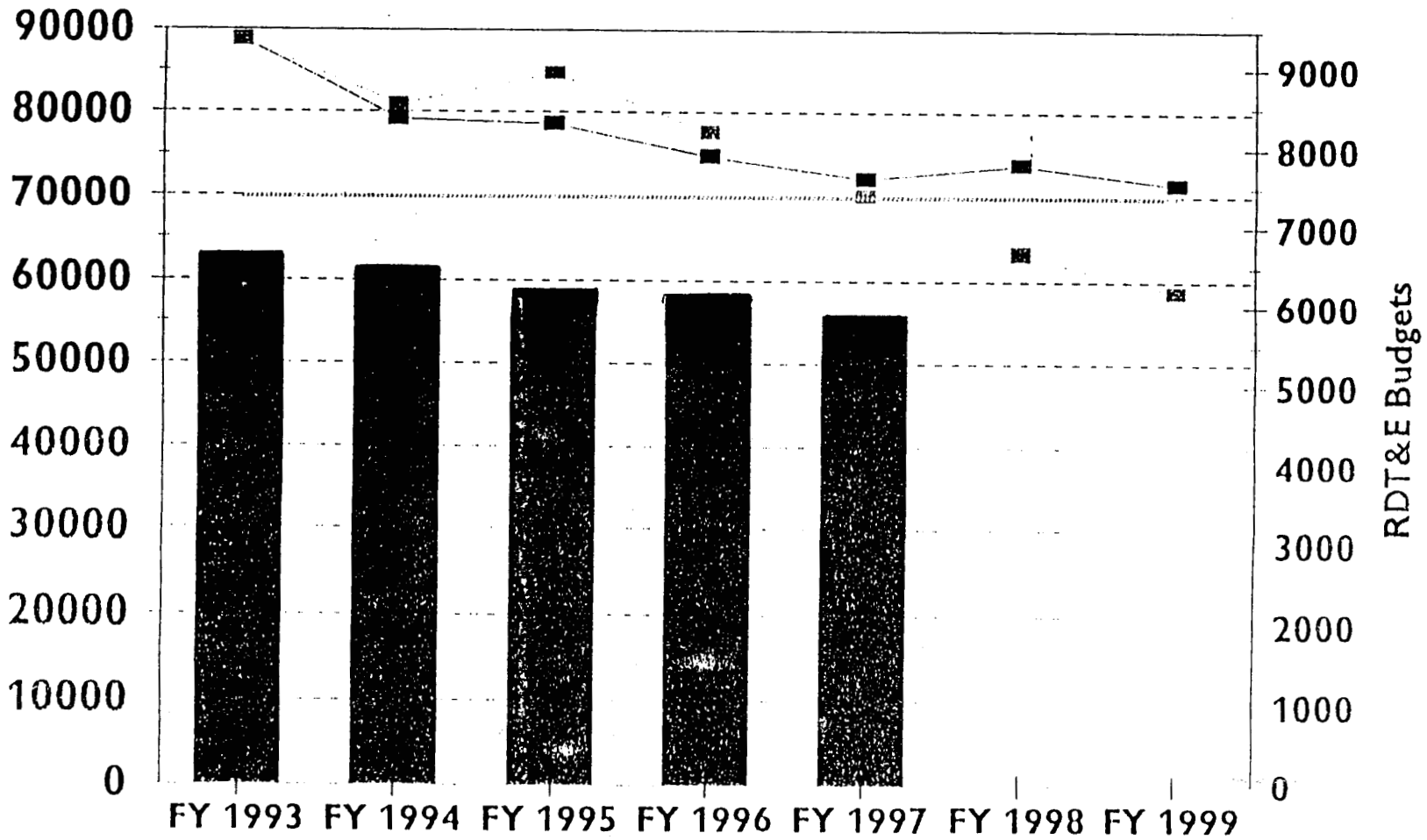
BIODYNAMICS LAB NO	NAWC PAX DET WARM.
	NSWC PHILLY
	NAVSEALOGCEN MECH.
	NCTRF
	HEALTH RESEARCH LAB SD
	SUBMED GROTON

BASELINE TECH WKYR	EXCURSIONS
NO CHANGE FROM BASELINE	NO CHANGE FROM BASELINE

SITES WITH NO TECHNICAL WORKYEARS

NAWC HQ
ORELAND (LAKE)
NAESU PHILLY
NSWC HQ
NUWC HQ
NOC INDIAN HEAD
NCCOSC HQ
NAVTECHREP LAUREL

Technical Center Capacity Analysis



DoN Budget (constant FY 95 $M)
RDT&E Budgets (constant FY 95 $M)
Tech ctr workyear requirement
Tech ctr capacity (workyears)

CAPACITY ANALYSIS

(Technical Centers & Laboratories)

Maximum Work Years (1986 - 1994)		71,986.80
1997 Projected Work Years	-	56,749.29
		15,237.51

	BUDGETED WORKYEARS														
	86	87	88	89	90	91	92	93	94	95	96	97	Max BWY	Total Civilians on Board	Civilian Technical on Board
NAWC HQ	ND	ND	ND	ND	ND	ND	ND	34	35	33	33	ND	35	0	0
NAWC CHINA LAKE	5910	5668	5720	5784	5876	5867	5658	5344	5130	4901	4687	4526	5910	4495	3266
NAWC POINT MUGU	5279	5661	5707	5584	5761	5710	5969	5138	4718	4402	4242	4098	5969	3549	2533
NAWC INDIANAPOLIS	2801	3025	3054	3241	3328	3314	3383	3159	3031	2766	2766	2736	3383	2844	2414
NAWC PAX RIVER	3892	3863	3994	4039	4207	4242	4308	3861	4804	4618	6183	5939	6183	4546	3149
NAWC DET WARMINSTER	NA	NA	8	12	8	14	11	12	ND	ND	ND	ND	14	25	24
NAWC DWTF ORELAND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0	0
NAWC LAKEHURST	ND	2619	2532	2492	2567	2428	2320	2190	1967	1779	1885	1825	2619	1879	1243
NATSD ORLANDO	1318	1323	1312	1311	1298	1228	1185	1093	1069	1050	1050	1050	1323	931	616
NATSF PHILADELPHIA	307	323	322	303	286	322	317	309	300	289	284	284	323	237	201
NAESU LAKEHURST	1614	1542	1423	1313	1069	1042	1042	994	939	916	903	891	1614	78	20
NSWC HQ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	11	0
NSWC CRANE	3210	3505	3490	3708	3671	4002	3867	3648	3796	3609	3163	2973	4002	3666	2577
NSWC DET LOUISVILLE	2493	2527	2532	2472	2251	2264	2705	2561	2229	2120	1857	1746	2705	2165	1732
NSWC HTA SULLIVAN	2	2	2	2	2	2	2	2	3	3	3	3	3	0	0
NSWC DAHLGREN	3142.9	3220.5	3099.9	3207.8	3196.3	3271.8	3429.2	3242.4	3301.2	2795.3	2767.9	2860	3429.2	3637	2774
NSWC PANAMA CITY	1210	1207	1300	1333	1246	1242	1300	1211	1245	1352	1250	1156	1352	1431	1073
NSWC PORT HUENEME	2753	2621	2673	2664	3113	3346	3121	2979	2715	2462	2292	2168	3346	2508	2185
NSWC CARDEROCK	1915	1963	1849	1863	1834	1829	1696	1519	1405	1362	1322	1425	1963	1712	1223
NSWC DET PHILADELPHIA	1250	1462	1593	1683	1751	1753	1758	1746	1585	1560	1715	1614	1758	1899	1443
NSWC DET ANNAPOLIS	775	807	764	781	761	778	719	659	715	743	680	431	807	372	386
NSWC ARD BAYVIEW	14	25	23	29	26	34	32	35	68	60	57	51	68	48	37
NSWC INDIAN HEAD	2250.8	2237.5	2263	2126.6	2290.1	2637.7	2560.3	2341.2	2185	2082.3	1980.9	1895.2	2637.7	2414	1714
NSWC DET YORKTOWN	58.69	56.74	61.33	50	51.1	53.5	59.1	45.8	48.44	55.2	49.86	43.89	61.33	46	46
NAVSEALOGCEN MACHANICSBURG	134	323	314	328	374	328	322	314	298	326	308	308	374	357	214
NAVSEASUPCEN SAN DIEGO	ND	ND	ND	467	494	482	494	471	463	492	462	329	494	442	399
NAVSEASUPCEN PEARL HARBOR	ND	ND	ND	48	51	52	54	54	54	55	55	55	55	54	51
NUWC HQ	0	0	0	0	0	0	0	17	19	19	19	19	19	17	3
NUWC NEWPORT	2378	2337	2343	2300	2310	2347	2222	2308	2470	2739	2881	2820	2881	1146	1013
NUWC DET NEW LONDON	1584	1542	1551	1566	1539	1536	1380	1354	1312	1073	734	510	1584	528	459
NUWC KEYPORT	3277	3173	3147	3018	3160	3452	3432	3159	2681.1	2498.9	2228.9	2206.9	3452	2695	2251
SEASPARROW PSO	30	34	34	34	40	47	47	51	52	59	65	65	65	32	18
NAVWARASSESDIV CORONA	1060	1270.4	1247.9	1305.5	1322.1	1157.2	1100.4	1215.4	1054.8	1069.9	1067.6	1062.8	1322.1	890	813
NAVEODTECHDIV INDIAN HEAD	210	250	240	262	247	251	267	265	233	233	233	233	267	235	186
NOC INDIAN HEAD	NA	NA	NA	NA	NA	NA	NA	NA	104	95	95	95	104	85	0
AEGIS COMBAT CENTER WALLOPS	ND	ND	ND	ND	316	354	371	382	388	338	347	345	388	40	16
AEGIS TECH REP MOORESTOWN	93.4	93.4	99	99	99	103	103	103.5	97.5	97	97.5	97.5	103.5	29	14
NCCOSC HQ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	23	0
NCCOSC RDT&E SAN DIEGO	3465	3319	3358	3399	3389	3301	3525	3427	2825	2542	2490	2416	3525	2665	2156
NCCOSC RDT&E DET WARMINSTER	303	265	278	281	274	281	284	289	291	296	288	292	303	293	291
NCCOSC ISE EAST CHARLESTON	325	330	347	375	379	372	377	362	347	319	628	620	628	604	500
NCCOSC ISE EAST DET NORFOLK	433	432	445	444	437	421	412	407	391	360	325	285	445	53	50
NCCOSC ISE WEST SAN DIEGO	558	600	621	662	606	616	616	605	622	775	662	631	775	801	592
NCCOSC ISE WEST PEARL HARBOR	159	196	223	218	218	213	195	132	132	132	132	132	223	135	108
NAVMASO CHESAPEAKE	647	677	607	578	575	602	560	531	512	503	501	500	677	270	216
NAVTECHREPO LAUREL	33	26	38	31	40	26	18	15	14	12	11	11	40	14	3
NRL	3169	3313	3502	3439	3466	3450	3142	2988	3115	3049	3005	2989	3502	2924	2077

	BUDGETED WORKYEARS														
	86	87	88	89	90	91	92	93	94	95	96	97	Max BWY	Total Civilians on Board	Civilian Technical on Board
NRL DET UNDERWATER SOUND RE	108	112	116	114	120	127	113	124	118	100	100	100	127	111	85
ONR	NA	555	517	498	496	506	477	466	496	485	466	449	555	443	281
NAVFACENGSERCEN PT HUENEME	432	503	602	565	553	561	531	548	520	473	525	525	602	434	324
AFWTF	42	46	46	45	47	43	41	41	40	39	39	39	47	36	15
FTSC ATLANTIC	ND	ND	ND	514	606	567	575	585	607	699	653	653	699	557	484
FTSC ATLANTIC NORFOLK	ND	ND	ND	122	122	122	122	122	151	151	151	151	151	30	26
FTSC ATLANTIC MAYPORT	ND	ND	ND	116	120	120	123	123	130	136	138	138	138	49	43
PMRF BARKING SANDS	ND	80	92	96	103	107	108	129	141	153	153	153	153	140	65
NPRDC SAN DIEGO	371	365	302	311	307	285	266	264	231	168	167	167	371	220	152
COMOPTEVFOR NORFOLK	ND	ND	42	43	43.7	55.25	63	71	71	71	71	71	71	59	5
NCTRF NATICK	50	52	48	50	50	47	49	49	47	47	47	47	52	41	34
NAVMEDRESINST BETHESDA	ND	ND	ND	ND	ND	166	162	162	162	162	162	162	166	139	112
NAVHTHRESCEN SAN DIEGO	110	110	110	115	125	140	150	155	150	160	163	165	165	58	43
NAVAERMEDRESLAB PENSACOLA	UKNWN	UKNWN	UKNWN	60	57	45	43	45	42	32	34	35	60	26	14
NAVBIOLAB NEW ORLEANS	ND	ND	70	72	86	83	75	66	66	66	46	46	86	34	16
NAVSUBMEDRESLAB GROTON	ND	ND	ND	72	72	72	72	72	64	64	64	64	72	34	25
NAVDENRESINST GREAT LAKES	35	35	35	35	37	39	47	47	47	47	47	47	47	10	6
								63642.3	61847	59093.6	58831.7	56749.29	71986.8	55246	41816

Document Separator

BSAT BASE STRUCTURE ANALYSIS TEAM

4401 Ford Avenue • Post Office Box 16268 • Alexandria, Virginia 22302-0268 • (703) 681-0490

RP-0599-F12
BSAT/OZ
21 FEB 1995

MEMORANDUM FOR THE BASE STRUCTURE EVALUATION COMMITTEE

Subj: REPORT OF BSEC DELIBERATIONS ON 21 FEBRUARY 1995

Encl:
(1) Briefing Materials for LJCSG Energetics-Explosives Alternative
(2) Briefing Materials for COBRA Analysis (Indian Head to Picatinny)
(3) Briefing Materials for NRL (Satellites) - LJCSG #17 Suggested Alternatives
(4) Briefing Materials for COBRA Analysis (NRL Satellites)
(5) Briefing Materials for Satellites (NRAD San Diego to SMC-LAAFB)
(6) Briefing Materials for COBRA Analysis (SPAWAR to Hanscomb, Scenario 101)
(7) Briefing Materials for COBRA Analysis (SPAWAR Comparison)
(8) Results of COBRA Analysis (SECGRU USAF, Scenario 115)
(9) Briefing Materials for Engineering Field Divisions Military Value Analysis (Data Revisions)
(10) Briefing Materials for Naval Air Station Military Value Analysis (Data Revisions)
(11) Briefing Materials for Reserve Naval Air Station Military Value Analysis (Data Revisions)
(12) Briefing Materials for Fleet and Industrial Supply Centers Capacity Analysis
(13) Briefing Materials for Fleet and Industrial Supply Centers Military Value Analysis (Data Revisions)
(14) Briefing Materials for Training Air Stations/Training Centers (Clarifications)
(15) Briefing Materials for Fleet Activities Military Value Analysis (Data Revisions)
(16) Briefing Materials for Pipeline (Non-Fleet) Activities Military Value Analysis (Data Revisions)
(17) Briefing Materials for NAWC Lakehurst 13(Scenario 123), Clarifications
(18) Briefing Materials for Weapons Stations/Magazines (Final Capacity/Military Value Update)

1. The eighty-first deliberative session of the Base Structure Evaluation Committee (BSEC) convened at 0810 on 21 February 1995 in the Base Structure Analyses Team (BSAT) Conference Room at the Center for Naval Analyses. The following members of the BSEC were present: Mr. Charles P. Nemfakos, Vice Chairman; Ms. Genie McBurnett; Vice Admiral William A. Earner, Jr., USN; Lieutenant

General Harold W. Blot, USMC; Lieutenant General James A. Brabham, USMC; and Ms. Elsie Munsell. The following members of the BSAT were present: Mr. Gerald Schiefer; Mr. C. John Turnquist; Mr. Richard Leach; Ms. Anne Rathmell Davis; Mr. David Wennergren; Captain Richard R. Ozmun, JAGC, USN; Lieutenant Colonel Orval E. Nangle, USMC; and Commander Mark Samuels, CEC, USN.

2. Mr. Nemfakos advised that one purpose of the deliberative session was to ensure that the deliberative record fully reflected the intent of the BSEC regarding its analyses, findings, and recommendations. In the writing of the final report several issues had been identified that required resolution by the BSEC. Specifically, he noted that the deliberative record reflected that the BSEC had directed that NAVSEA be relocated "at NDW or other DoN-owned property in the Washington D.C. area." (See Report of BSEC Deliberations on 29 December 1994). He further noted that Navy-owned space is a known quantity and is part of the optimization model, and does not provide much flexibility in identifying an alternative to NDW. Upon discussion the BSEC determined that its intent is to provide additional flexibility in the relocation of NAVSEA. Accordingly, the BSEC directed that the deliberative record now reflect that NAVSEA be relocated at NDW or other government-owned (vice DoN-owned) space. This would allow for more flexibility and potential economies in the NAVSEA relocation process.

3. Commander Samuels briefed the JCSG-Laboratories (LJCSG) recommendation that the Military Departments consider cross-servicing and consolidating the energetics-explosives function to the extent possible at NAWC China Lake and ARDEC Picatinny. The term "consolidation" as used by LJCSG is "collocation" with any associated efficiencies. See enclosure (1). The LJCSG-Labs cited Wright Laboratory at Eglin Air Force Base and NSWC Indian Head as the principal candidates for closure or realignment of the energetics-explosives function. As reflected in enclosure (1), the LJCSG alternative addresses only energetics-explosives, which comprises only 15% of the NSWC Indian Head workload. The results of COBRA analysis for Indian Head to Picatinny, enclosure (1), reflect one-time costs of $82.7 million, with return on investment in 100+ years. No positions would be eliminated, and 241 positions would move. Military construction costs as identified by the Army totalled $1.3 million. This figure appeared to the BSEC to be significantly understated. Still, the figure was used. The one-time costs were predominantly the cost of providing required equipment either through moving existing or buying new. The Army response indicated that numerous portions of certain processes would be accomplished at the various Army Ammunition Plants. This was deemed to be an unacceptable further fragmentation of the DoN Energetics work. Therefore the required equipment was moved to Picatinny. As reflected in enclosure (1), consolidation costs at

China Lake totalled $86.4 million, while consoldiation costs at Picatinny totalled $136.3 million. There are some Navy unique requirements that the Army plans to disburse among other plants; however, the Army has not identified the construction costs and it appears that they are very understated.

4. Mr. Trick briefed the BSEC on the COBRA response collected for the LJCSG scenario locating NRL (Satellites-Engineering Development) at SMC, Los Angeles AFB. See enclosures (3) and (4). Since there is no available space at SMC, military construction would be required for the Satellites-Engineering Development function. The Lab equipment at NRL's present site would have to remain there to support other functions that are not moving. The one-time costs reflected in the analysis do not include the costs of replacing necessary equipment which would not move. This makes the approach very conservative as costs would probably be $20M to $30M greater. The scenario produces only steady-state costs, not savings. There would be no synergism from collocation as SMC's work is primarily contract administration and NRL's work is technical.

5. Mr. Trick briefed the BSEC on the BSAT response to the LJCSG alternative locating Satellites-Engineering Development function from NRAD San Diego to SMC, Los Angeles AFB. The NRAD functions are associated with communications interface of shipboard terminals and as such are really a C4I function. None of its functions are for engineering development of control of satellite positioning or for the satellite itself. See enclosure (5). As such it is inappropriate to consider this satellite function as intended by the LJCSG.

6. Mr. Trick and Commander Samuels departed. Captain Golembieski entered.

7. Captain Golembieski briefed the BSEC on the COBRA analysis for the JCSG scenario locating SPAWAR headquarters at Hanscom Air Force Base, Scenario 101. See enclosure (6). One time costs were $68.3 million and return on investment was in six years. Military construction costs totalled $42.8 million, with the construction of a new administrative building costing $36.7 million. Enclosure (7) is a comparison of the JCSG scenarios locating SPAWAR at Fort Monmouth or Hanscom, and the DoN recommendation consolidating SPAWAR at San Diego. The DoN recommendation consolidating SPAWAR Headquarters with the lab work at San Diego results in much greater savings because it eliminates an entire layer of management (405 billets). The DoN lab work cannot be moved to Fort Monmouth or Hanscom because it uses DoN ships as test vehicles.

8. Captain Golembieski briefed the results of the COBRA analysis for relocating the Naval Security Group Potomac Detachment to the

Space and Missile Systems Center at Los Angeles AFB (scenario 115). See enclosure (8). There is no existing space at Los Angeles AFB for the activity. Consequently, one-time costs include MILCON of $ 1.9M. The scenario would produce steady state savings of $ .2M but never provide a return on investment. The BSEC accepted the analysis, but after comparing it with the previously approved COBRA analysis for redirecting the Detachment to the Naval Research Lab (NRL), the BSEC affirmed its prior decision to recommend redirect to NRL.

9. Mr. Schiefer and Captain Golembieski departed the session.

10. Captain Michael Nordeen, USN; Captain Kevin Ferguson, USN; Captain David Rose, USN; Commander Robert Souders, USN; Commander Loren Heckelman, USN; and Lieutenant Commander Beth E. Leinberry, CEC, USN, entered the deliberative session.

11. Mr. Wennergren briefed the BSEC on a gap in the deliberative record for scenario 103Z, realigning Key West as a Naval Air Facility. The COBRA analysis presented on 19 December 1994 identified 6 technical personnel at the Naval Air Warfare Center, Key West, who were proposed to move to lease space when the facility was realigned. The record fails to indicate the dispostion of those personnel. The BSEC advised that those personnel were to remain in available space on the Naval Air Facility and not to move to leased space.

12. Lieutenant Commander Leinberry briefed the BSEC concerning data revisions to the Engineering Field Divisions (EFD) Military Value Analysis. See enclosure (9). The data revisions were the result of a Naval Audit Service check of Military Value scores, which resulted in only 7 (2%) revisions out of 408 questions reviewed (100% review). Four EFDs maintained the same score (EFA Chesapeake (45.84), SouthDiv (45.62), EFA West (34.13), and SouthWestDiv (56.12)); two EFDs gained in military value (LantDiv (71.78/+1.66) and PacDiv (44.49/+3.30)); and two EFDs decreased in military value (NorthDiv (27.35/-3.05) and EFA NW (37.77/-3.54)). EFA NW (from 5th to 6th) and PacDiv (from 6th to 5th) exchanged rankings. While there were some clarifications from the field, there was no evidence of systemic problems in the EFD Military Value Analysis. The BSEC accepted the data revisions as presented.

13. Captain Nordeen briefed the BSEC concerning data revisions to the Naval Air Station (NAS) Military Value Analysis. See enclosure (10). A Naval Audit Service check of NAS Military Value Scores resulted in only 54 (2.04%) revisions out of 2,640 questions (100% review). Only one base maintained the same score (Oceana), 7 bases gained in military value (+0.92 largest gain (New River)), and 12 bases decreased in military value (-1.63 largest loss (Beaufort)). The top three bases maintained the same ranking (Oceana, Whidbey

Island, and Cherry Point), with the lowest four bases maintaining the same ranking (Roosevelt Roads, El Centro, Key West, and Adak). Beaufort decreased 1.63 due to the existence of unusual flight patterns (Question 45) and Brunswick decreased 1.49 because DoD did not manage the airspace (Question 12). NAS Adak (the only closure recommendation) and Key West (NAF recommendation) remained at the bottom of the rankings. The BSEC accepted the data revisions as presented.

14. Captain Nordeen briefed data revisions to the Reserve Naval Air Station Military Value Analysis. See enclosure (11). A Naval Audit Service check of Military Value scores resulted in 15 revisions (1.87%) out 804 questions (100% review). One base maintained the same score (Willow Grove (64.36)); 3 bases gained in military value (New Orleans had the largest gain (1.64)); and two bases decreased in military value (Fort Worth had the largest loss (2.12)). Washington maintained its top ranking (65.16) and Atlanta maintained its bottom ranking (51.14). The BSEC accepted the data revisions as presented.

15. Commander Heckelman briefed data revisions to the Fleet and Industrial Supply Centers (FISC) Military Value Analysis. See enclosure (12). Certified data call revisions resulted in three changes to military value matrix scoring. The Naval Audit Service review identified one error in the data call response which resulted in a revision and two changes to military value matrix scoring. There were no changes in military value rankings. No systemic problems were found to exist in the FISC Military Value Analysis. Specific FISC military value changes are reflected in enclosure (12). Commander Heckelman then briefed a revision to the FISC Capacity Analysis. See enclosure (13). The capacity measures included capacity and requirements. Capacity is the historic "high water mark" in 4 areas from the capacity data call: requisition volume; contracts; fuel; and workyears. Requirement is a direct lift from activity projections in the capacity data call. The Capacity Analysis Summary reflected that excess capacity existed in all 4 areas of the data call. Commander Heckelman noted that an error had been found in the capacity calculation for contracts. The corrected percentage of excess capacity in contracts was 25%. The previously made decision to proceed with military value analysis is still valid.

16. Captain Nordeen, Captain Rose, Captain Ferguson, Commander Heckelman, Commander Souders, and Lieutenant Commander Leinberry departed the deliberative session. Captain Bryan Buzzell, USN, Captain Martha Bills, USN, and Lieutenant Commander Steve Bertolaccini, CEC, USN, entered the deliberative session.

17. Lieutenant Commander Bertolaccini clarified for the deliberative record previous BSEC directions concerning Training

Air Station scenarios (Scenarios 14/14D/15/15D/16D), specifically noting the following BSEC directions: (a) all ROICC billets identified as relocations will be eliminated; (b) MILCON identified for NAS Norfolk is outside the BRAC process and not included in the COBRA analysis; (c) a new BOQ at Pensacola was eliminated due to existing excess capacity; and (d) average on board (AOB) was used for determining square footage at new Pensacola vice AOB + 20%. See enclosure (14). The BSEC accepted the clarifications as presented.

18. Captain Bills advised the BSEC that the Naval Audit Service review resulted in no changes or revisions to the Military Value Analysis of Recruit Training Centers or Degree Granting Institutions. Captain Bills further advised the BSEC that changes and revisions to the Military Value Analysis of Fleet Activities (enclosure (15)) and Pipeline (Non-Fleet) Activities (enclosure (16)) did not result in a change in the relative ranking of any activity. The BSEC accepted the revisions as presented.

19. Captain Buzzell, Captain Bills, and Lieutenant Commander Bertolaccini departed. Mr. Schiefer and Mr. Trick entered.

20. Mr. Trick presented the BSEC with a summary of the COBRA personnel and MILCON exclusions to the Lakehurst scenario approved by the BSEC (scenario 123). Enclosure (17) summarizes the BSEC directions and decisions made on 15, 19, 28 and 29 December 1994, leading up to the final decisions on 10 January 1995. The BSEC reviewed each of the items to ensure it reflected its guidance. The scenario eliminated a number of personnel rather than move them. It also eliminated MILCON when there were existing facilities. This was consistent with the BSEC approach to not build new spaces for small numbers of personnel when there was space available at existing facilities. The BSEC confirmed, for the record, its decision to eliminate personnel and exclude the military construction noted in enclosure (17).

21. Mr. Schiefer and Mr. Trick departed. Commander Dennis Biddick, CEC, USN, and Commander Judy Cronin, USNR, entered.

22. Commander Biddick briefed the BSEC concerning the final update for Weapons Stations/Magazines Capacity Analysis Value and Military Value Analysis. See enclosure (18). Capacity analysis adjustments were made to the FY 2001 inventory and maximum capacity values for storage for both Weapons Stations and Magazines. The adjustments were not significant and resulted in less excess capacity than previously identified. Only two revisions to Military Value questions were identified: Question 96 for the Charleston Weapons Station changed from "0" to "1"; and Question 101 for Yorktown Weapon Station changed from "1" to "0". Overall military value average changed from 44.0 to 44.1. The BSEC accepted the presented

changes.

23. The BSEC continued its discussion on the feasibility/costs of converting database to electronic files. The BSEC decided to continue its discussion at the next meeting.

24. The meeting adjourned at 1026.

Richard R. Ozmun
RICHARD R. OZMUN
CAPT, JAGC, USN
Recording Secretary

Base Ranking

Base	Rank/Previous	MV Score/Previous	+ / -
Oceana	1 / 1	82.90 / 82.90	+ 0.00
Whidbey Isl	2 / 2	78.75 / 78.33	- 0.42
Cherry Pt	3 / 3	77.08 / 78.15	- 1.07
Lemoore	4 / 5	72.87 / 72.82	+ 0.05
Miramar	5 / 4	72.51 / 73.48	- 0.97
Jax	6 / 7	70.27 / 71.01	- 0.74
North Isl	7 / 9	70.23 / 70.61	- 0.38
Norfolk	8 / 10	69.91 / 69.41	- 0.50
Beaufort	9 / 6	69.44 / 71.07	- 1.63
Mayport	10 / 8	69.22 / 65.70	- 1.55
New River	11 / 12	66.62 / 65.70	+ 0.92
Kaneohe Bay	12 / 11	65.24 / 66.24	- 1.00
Yuma	13 / 13	64.56 / 64.89	- 0.33
Pendleton	14 / 14	63.89 / 64.21	- 0.32
Fallon	15 / 16	61.99 / 61.49	+ 0.50
Brunswick	16 / 15	60.16 / 61.65	- 1.49
Roosy Roads	17 / 17	55.00 / 54.56	+ 0.44
El Centro	18 / 18	52.20 / 52.61	+ 0.41
Key West	19 / 19	48.18 / 47.99	+ 0.19
Adak	20 / 20	30.82 / 30.36	+ 0.46

NAS/MCAS Military Value Responses (1's&0's) -- incorporates auditors rev. 2 -- 1/23/95

CALCS	D	F	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1					NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2					1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	DC #	Q #	Matrix Question	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYP	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTR	ADAK		Mean
4			**Flight Training Areas/Airspace**	31.16	29.92	28.24	31.16	30.56	10.08	22.23	19.72	31.16	26.73	23.47	29.84	28.68	27.59	30.06	29.68	31.16	29.66	23.47	20.38	2.38		25.21
5	16	12b	Are there warning areas within 100 mi. of the air station?	2.17	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0		
6	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1.24	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0		
7	38	12 d	Is the flying time to this airspace less than 30 minutes?	1.73	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0		
8	38	12 i	Is this airspace under communications control?	1.05	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0		
9	38	12h	Is this airspace under radar control?	0.90	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0		
10	38	12 r	Training within the warning areas is not affected by environmental issues.	0.60	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0		
11	16	12b	Are there Military Operating Areas within 100 mi. of the air station?	2.17	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
12	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1.24	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
13	38	12 d	Is the flying time to this airspace less than 30 minutes?	1.73	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
14	38	12 h	Is this airspace under radar control?	0.90	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
15	38	12i	Is this airspace under communications control?	1.05	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
16	38	12 r	Training within the military operating areas is not affected by environmental issues.	0.60	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
17	16	12b	Is there restricted airspace for hazardous flight training within 100 mi?	2.17	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
18	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1.24	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
19	38	13c	Is the flying time to this airspace less than 30 minutes?	1.73	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
20	38	13g&i	Is this airspace under radar or communications control?	1.05	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
21	38	13q	Training within the restricted airspace is not affected by environmental issues.	0.60	1	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	0	0		
22	38	13d	The air station or a local DON activity controls an air-ground range.	1.95	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0		
23	16	12b s	There is access to a bombing range for live ordnance within 200 miles?	2.17	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0		
24	38	12a	There is an area for supersonic training within 100 n.m.?	1.30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25	38	35a	Does the air station operate without ATC delays?	1.08	1	0	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1		
26	16	2a	This air station can accommodate 45 flight operations per hour IMC?	1.24	1	1	1	1	0	1	1	1	0	1	0	0	0	1	0	1	1	1	0	0		
27	16	2a	This air station can accommodate 135 flight operations per hour VMC?	1.24	0	0	1	1	0	0	0	1	0	1	1	0	0	1	0	1	1	1	0	0		
28			**Expansion, Encroachment and Environment**	12.43	5.99	9.38	9.85	6.45	9.42	9.07	9.72	9.17	9.81	7.97	10.33	8.57	5.14	8.62	3.23	11.26	8.54	11.23	8.81	9.77		8.45
29	16,38	17,37	Does current operational infrastructure, geographic location, climatalogical conditions sup	0.43	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1		
30	38	14	Are there no encroachments at the base that restrict current operations?	0.27	0	1	0	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0	0	1		
31	38	36a	Is the existing AICUZ study encoded in local zoning ordinances?	0.93	0	1	1	1	1	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1		
32	38	34a	Is the air station's present or future mission unaffected by current estimates of population	0.93	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1		
33	33	5b	Activity is an "attainment" or "maintenance" air quality control area for CO, Ozone, PM10'	1.89	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	0	1	0	1		

NAS/MCAS Military Value Responses (1's&0's) -- incorporates auditors rev. 2 -- 1/23/95

CALCS	D	F	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1					NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2					1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	DC #	Q #	Matrix Question	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYF	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTR	ADAK		Mean
34	33	5g&h	Activity operations or development have not been restricted due to air quality consideratio	0.90	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1		
35	33	4	Base ops or development are not constrained by laws applying to environmental facilities	0.27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
36	33	7j	Activity operations or development plans have not been restricted due to Installation Rest	0.18	1	1	1	0	0	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1		
37	33	3b	National Register cultural resources have not restricted operations/development.	0.25	1	1	1	1	0	0	1	1	0	1	0	1	0	1	0	1	1	1	1	0		
38	33	1b,e,	Endangered/threatened species and/or biological habitats have not restricted operations/d	0.27	1	0	1	0	0	0	1	1	0	0	1	1	0	0	0	1	1	1	1	1		
39	33	1b,e&	Jurisdictional wetlands have not restricted operations/development.	0.27	1	1	0	1	0	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0		
40	38	36a	Any on-going environmental or airspace litigation is not directed towards base operations.	0.58	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	0	1		
41	16	29a	Unrestricted developable land exceeds 1000 acres	0.58	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	1	1	0	1		
42	16	29a	Unrestricted developable land is between 100 and 1000 acres	0.36	0	1	0	0	0	0	1	1	1	1	0	1	0	0	0	1	0	0	1	0		
43	16	12(h)	Does the airspace overlying and adjacent to the air station have the capacity to support ac	0.93	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1		
44	16	2h	It is projected that flight operations will remain unaffected by major civilian air traffic struc	0.93	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1		
45	16	1e	No unusual flight pattern or approach restrictions exist at this air station?	0.80	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0		
46	38	6	Are new military missions planned for the air station?	0.32	1	0	1	0	0	1	0	1	1	0	1	0	0	1	1	1	1	1	0	0		
47	38	33a	Sortie cancellation rate for weather is never 5% or greater per month.	0.69	0	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1		
48	38	33a	Instrument Meteorological Conditions (IMC) rate is never 20% or greater per month.	0.67	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0		
49			**Airfield Maintenance and Unique Facilities**	10.10	7.09	5.63	5.73	6.56	7.27	4.15	7.53	5.63	7.09	5.76	6.63	5.30	6.69	6.46	7.49	6.80	5.73	6.19	2.17	3.10		5.95
50	16	30a	Air station has weapons storage/handling facilities/magazines?	1.73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
51	16	30c	No ESQD waivers exist at this air station?	0.90	1	1	0	1	1	0	1	0	1	0	1	1	1	0	1	1	0	1	0	1		
52	16	30e	Air station performs intermediate or organizational level maintenance on ordnance?	0.43	0	0	1	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	1	0		
53	16	19a	The AIMD/MALS supports all T/MS aircraft stationed at your air station?	1.95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0		
54	16	18	This air station has an Aircraft Accoustical Enclosure (CCN 211-01)?	0.75	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0		
55	16	18	This air station has a Corrosion Control Hangar (CCN 211-03)?	0.90	1	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0		
56	16	18	This air station has an Engine Test Cell (CCN 211-81)?	1.32	1	0	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	0		
57	38	24a	Is there a NADEP located at the air station?	0.76	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0		
58	38	33c	Weather does not have a significant impact on maintenance schedules?	0.29	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1		
59	16	15c	Can the air station berth CVNs in a cold iron status?	0.53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
60	16	15c	Can the air station berth CVs, but not CVNs, in a cold iron status?	0.36	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
61	16	15a&	Can the air station berth air capable combatant ships, including transients, in a cold iron s	0.18	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1		
62			**Air Station Facilities and Infrastructure**	21.82	10.56	11.58	16.90	10.05	11.84	11.14	11.57	15.34	8.12	13.35	11.56	10.01	6.88	14.62	14.64	14.14	14.41	13.00	11.75	6.77		11.89
63	16	1a	Does the air station manage (schedule and control) outlying landing fields with a runway	1.42	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		

NAS/MCAS Military Value Responses (1's&0's) -- incorporates auditors rev. 2 -- 1/23/95

CALCS	D	F	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1					NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2					1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	DC #	Q #	Matrix Question	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYF	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTR	ADAK		Mean
64	16	1a	Does the air station manage (schedule and control) an outlying landing field?	1.24	0	0	1	0	0	0	0	1	0	1	0	1	0	0	1	1	0	0	0	0		
65	16	24	Is average MRP more than 1.7 % of CPV over the past 7 years (88-94)	0.50	0	0	1	1	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0		
66	38	19	Capital Improvements from 88-94 exceeded 48M $	0.25	0	0	0	1	0	0	0	0	1	0	1	1	0	0	1	1	0	0	0	1		
67	38	19	Capital Improvements from 88-94 exceeded 101M $	0.50	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0		
68	38	20a	Planned non-BRAC capital improvements from 94-97 < 10% of CPV	0.50	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	0	1		
69	38	22	Do current administrative support facilities provide capability for future expansion?	0.07	0	0	1	1	1	0	1	0	1	0	1	1	0	0	0	1	0	1	0	1		
70	16	23a	Does available PW, gas, electric and sewer supply exceed peak demand?	0.50	0	1	1	1	1	0	1	1	1	1	1	1	0	1	0	1	0	1	1	0		
71	67	ENCL	Area cost factor is less than 0.9	0.42	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
72	67	ENCL	Area cost factor is between 0.9 and 1.0	0.25	1	1	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0		
73	16	2j	Can this air station operate 24 hours a day?	0.67	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
74	38,16	1,1b	Runway, taxiway and ramp weight- bearing capacity accommodates all DON aircraft?	1.42	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
75	38,16	1,1b	Runway, taxiway and ramp weight- bearing capacity accommodates all MAC aircraft?	1.08	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
76	16	17	Hangar Capacity at this air station is at least 14 modules?	1.24	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0		
77	16	17	Hangar Capacity at this air station is at least 23 modules?	1.78	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0		
78	16	17a	Less than 10% of the hangar/maintenance facilities are in inadequate condition?	0.58	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1		
79	16	20a	Less than 10% of the fuel storage facilities are in inadequate condition?	0.58	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
80	16	4	The air station has more than one NAVAID used by USN/USMC aircraft?	0.18	0	1	0	0	1	0	0	1	1	1	0	1	1	1	0	1	1	0	1	1		
81	38	17d	The air station has parallel or dual offset runways.	1.60	0	0	1	0	0	0	1	1	0	1	0	0	0	1	0	0	1	1	0	0		
82	38	17 d	Air station's parallel or dual offset runways permit dual IFR flight operations	0.80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
83	38	17e	The air station has full-length taxiways?	1.78	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0		
84	16	1a	The air station has one runway at least 8000 feet long.	1.78	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	0		
85	38	17g	The air station has a crosswind runway?	0.93	0	1	1	0	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	1		
86	16	25b	The BEQ has space for 40% of enlisted population	0.42	0	0	0	0	1	1	0	1	1	1	1	1	0	1	0	0	1	1	1	1		
87	16	21d	Use of off base storage at this air station is not required?	0.08	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1		
88	16	2c	There is at least 1 runway you control which has CLZ lighting (FCLP)?	1.24	1	0	1	0	1	1	0	1	0	0	1	0	0	1	1	1	1	0	1	0		
89			**Military/General and Support Missions**	4.21	2.16	2.13	2.43	1.27	2.78	2.87	2.11	3.09	3.72	2.31	1.79	2.64	2.84	3.07	3.03	1.26	1.27	0.61	1.23	1.18		2.25
90	38	10a	Does air station or tenants have any non-DOD support missions?	0.08	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	0		
91	38	30a	Are military surveillance operations conducted from the air station?	0.15	0	1	1	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0		
92	38	3a	Air station directly supports area control/surveillance mission (e.g., FACSFAC)?	0.15	0	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	0	0		
93	16	8	Air station is home station to other DOD components?	0.57	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0		

NAS/MCAS Military Value Responses (1's&0's) -- incorporates auditors rev. 2 -- 1/23/95

CALCS	D	F	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1					NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2					1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	DC #	Q #	Matrix Question	Weight	NORF	JAX	OCEAN	MAYP	KEY	ROSYF	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTR	ADAK		Mean
94	38	28	Air station or tenants have significant agreements to support other DoD, gov't or civilian a	0.11	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	1	1		
95	38	9a	Does the air station provide aircraft SAR support to the civilian community?	0.11	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0		
96	38	53	Do active duty personnel have reasonable access to medical/dental care?	0.87	0	1	1	0	0	1	0	1	1	0	1	1	1	1	0	0	0	0	0	1		
97	1	1	Is the air station's location of strategic military value?	0.21	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1		
98	38	31a	Another military airport with 8000 feet of usable runway is within 100 miles?	0.67	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0		
99			Does the air station or tenants have National Command Authority missions or NATO desi	0.11	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
100	1,38	12,7a	Are ground combat and/or special operation forces located in the area?	0.93	1	0	1	0	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0		
101	38	7a	Do ground combat and/or special operation forces train at this air station?	0.27	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0		
102			**Baseloading**	3.31	1.42	1.53	2.78	0.13	0.40	0.13	0.58	0.98	1.42	2.38	1.42	0.71	2.11	1.69	2.09	1.11	1.69	0.13	0.13	0.00		1.14
103	16	2b	The air station has 50,000 but less than 150,000 flight evolutions per year?	0.13	1	1	0	1	0	1	0	0	1	0	1	1	1	0	0	0	0	1	1	0		
104	16	2b	The air station has 150,000 but less than 250,000 flight evolutions per year?	0.40	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	1	1	0	0	0		
105	16	2b	The air station has more than 250,000 flight evolutions per year?	0.80	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
106	16	6a	Are reserve squadrons scheduled to be homebased at the air station in 2001	0.71	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	0		
107	16	6b	Is aggregate Navy/USMC SELRES manning above 90% for FY93?	0.69	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0		
108	16	9a &	Significant deployable aviation support or surface units are supported here?	0.58	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0		
109			**Training**	6.24	6.24	6.24	6.24	6.24	2.55	1.62	5.30	5.30	2.56	3.78	3.78	3.78	6.24	6.24	6.24	6.24	6.24	1.62	0.58	0.58		4.38
110	38	23a/b	Major flight simulators for assigned T/M/S aircraft are located at the air station?	2.17	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0		
111	16	13a	There is an aviation flight physiology training facility in the local area?	1.52	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0		
112	38	30b	Air station's location permits training with other operational units (e.g., Battle Groups or Jo	1.03	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0		
113	16	14e	Less than 10% of the training facilities are in inadequate condition.	0.58	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
114	16	13	Is there a shipboard aircraft fire fighting trainer in the local area?	0.94	1	1	1	1	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0		
115			**Quality of Life**	10.72	6.51	5.54	7.01	7.96	5.78	3.83	4.84	6.41	6.00	5.54	6.08	6.62	8.46	3.71	4.84	6.82	5.33	5.74	7.15	7.02		5.86
116	38	47a4	Is officer FH waiting list <6 months	0.50	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	1	1	0	1	1		
117	38	47a4	Is enlisted FH waiting list < 6 months	0.58	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	1	0	1	1		
118	38	47a6	Do 90% or more of the housing units have all the required amenities?	0.50	0	1	0	1	0	1	0	0	1	1	1	0	1	0	0	0	0	1	1	1		
119	38	47b1	Is the BEQ occupancy rate < 90%?	0.67	1	0	0	1	1	0	0	0	1	1	0	1	1	0	1	0	1	1	1	1		
120	16	25a	Are 90% of the BEQ rooms adequate?	0.67	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	1	1	1	0	1		
121	38	41c	Is the BOQ occupancy rate < 90%?	0.50	1	0	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1		
122	16	25a	Are 90% of the BOQ rooms adequate?	0.58	1	0	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	0	1		
123	38	48	Does the air station have >90% of the listed MWR facilities?	0.58	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0		

NAS/MCAS Military Value Responses (1's&0's) -- incorporates auditors rev. 2 -- 1/23/95

CALCS	D	F	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1					NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2					1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	DC #	Q #	Matrix Question	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYF	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTR	ADAK		Mean
124	38		Does the air station have between 70% and 90% of listed MWR facilities, including libran	0.33	1	1	1	1	1	1	0	1	0	0	0	1	0	1	1	1	1	1	1	0		
125	38		Is the average wait for 0-12 month child care facilities < 180 days?	0.50	0	1	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	1	1		
126	38	50a	Is the average wait for child care 6 months or less	0.58	0	1	0	1	1	0	1	1	0	0	1	0	0	0	0	0	0	1	1	1		
127	38	50a	Is the average wait for child care between 6 & 12 months	0.33	1	0	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0		
128	38		Are > 90% of the air station's child care facilities adequate?	0.33	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	0	1	1	1		
129	38	44d	Are there certified home care providers?	0.18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0		
130	38	45	Does the air station have >90% of the listed family support facilities?	0.50	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	0		
131	38	45	Does the air station have between 70% and 90% of listed family support facilities, includir	0.25	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0		
132	38	48b,d	Is off base housing rental and purchase affordable?	0.39	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
133	38	41a5,	Is there sufficient off base housing?	0.50	1	1	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	0		
134	38	55	Are there opportunities for consecutive follow on tours in the commuting area?	0.39	1	0	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0		
135	38	56	Do >50% of base military and civilian personnel live within a 30 minute commute?	0.58	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1		
136	38	57b-c	Are local area educational institution programs adequate for military family members?	0.16	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0		
137	38	57b-c	Are there educational opportunities at all college levels within a 30 mile radius?	0.04	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0		
138	38	58	Are college education courses available on the base?	0.04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1		
139	38		Does the air station have an active FSC spouse employment program?	0.04	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	0	0		
140	38	60	Do military family members have masonable access to medical/dental care?	0.87	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	0	1	1		
141	38	61	Is the violent crime rate less than 758 per 100,000	0.04	1	0	1	0	0	0	1	1	1	1	0	1	0	0	0	1	1	1	1	1		
142	38	61	Is the drug crime rate less than 402 per 100,000	0.04	1	0	1	0	0	1	1	1	1	1	1	1	0	0	0	1	0	1	0	1		
143	38	61	Is the property crime rate less than 4902 per 100000	0.04	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	1	1	1	1	1		

NAS/MCAS Military Value Rankings -- incorporates 11/17/94 clarifications

CALCS	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1			NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	NAVEA	USMC	USMC	USMC	USMC	USMC	USMC	USMC	NAVW	NAVW	NAVW	NAVW	NAVW	NAVWEST		
2			1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21		
3	Matrix Question	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYT	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTF	ADAK		Mean
153																								
154	Military Value Area	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYT	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTF	ADAK		Mean
155	**Flight Training Areas/Airspace**	31.2	29.9	28.2	31.2	30.6	10.1	22.2	21.0	31.2	26.7	23.5	28.8	28.7	27.0	30.1	28.7	31.2	29.7	23.5	21.0	2.4		25.4
156	Flight Training Areas/Airspace rank		6	12	1	4	19	16	18	1	9	14	8	9	13	5	9	1	7	14	17	20		
157	Flight Training Areas/Airspace difference from mean		4.6	2.9	5.8	5.2	-15.3	-3.1	-4.4	5.8	3.3	-1.9	3.5	3.3	1.6	4.7	3.3	5.8	4.3	-1.9	-4.4	-23.0		
158	**Air Station Facilities and Infrastructure**	21.8	10.6	11.6	16.9	10.0	11.2	11.1	11.6	15.3	7.9	13.3	12.1	9.8	7.8	14.2	14.8	14.1	14.4	12.5	11.7	6.8		11.9
159	Air Station Facilities and Infrastructure rank		15	11	1	16	13	14	12	2	18	7	9	17	19	5	3	6	4	8	10	20		
160	Air Station Facilities and Infrastructure difference from mean		-1.3	-0.3	5.0	-1.9	-0.7	-0.7	-0.3	3.5	-4.0	1.5	0.2	-2.1	-4.1	2.3	3.0	2.3	2.5	0.6	-0.1	-5.1		
161	**Expansion, Encroachment and Environment**	12.43	5.99	8.45	9.65	7.38	9.42	8.80	8.72	9.17	9.61	7.97	11.13	7.74	5.14	6.40	3.23	11.49	8.54	11.23	8.81	9.77		8.4
162	Expansion, Encroachment and Environment rank		18	13	5	16	7	10	11	8	6	14	3	15	19	17	20	1	12	2	9	4		
163	Expansion, Encroachment and Environment difference from mean		-2.4	0.0	1.2	-1.1	1.0	0.4	0.3	0.7	1.2	-0.5	2.7	-0.7	-3.3	-2.0	-5.2	3.1	0.1	2.8	0.4	1.3		
164	**Airfield Maintenance and Unique Facilities**	10.10	7.53	5.63	5.73	6.55	7.27	4.15	7.53	5.63	7.27	5.76	6.63	5.30	6.63	6.48	7.48	6.80	5.73	6.19	2.17	3.10		6.0
165	Airfield Maintenance and Unique Facilities rank		1	15	13	9	4	18	1	15	4	12	7	17	7	10	3	6	13	11	20	19		
166	Airfield Maintenance and Unique Facilities difference from mean		1.5	-0.4	-0.2	0.6	1.3	-1.8	1.5	-0.4	1.3	-0.2	0.7	-0.7	0.7	0.5	1.5	0.8	-0.2	0.2	-3.8	-2.9		
167	**Quality of Life**	10.72	6.51	6.60	7.01	7.96	5.78	3.62	4.89	6.91	5.74	5.88	5.42	6.62	6.46	4.62	5.03	6.32	5.28	5.74	7.15	6.56		6.0
168	Quality of Life rank		8	6	3	1	12	20	18	4	13	11	15	5	9	19	17	10	16	14	2	7		
169	Quality of Life difference from mean		0.5	0.6	1.0	2.0	-0.2	-2.4	-1.1	0.9	-0.3	-0.1	-0.6	0.6	0.5	-1.4	-1.0	0.3	-0.7	-0.3	1.1	0.6		
170	**Training**	6.24	6.24	5.66	6.24	6.24	1.03	1.62	5.30	5.30	2.56	3.78	3.78	3.78	6.24	6.24	6.24	6.24	6.24	1.62	0.58	0.58		4.3
171	Training rank		1	9	1	1	18	16	10	10	15	12	12	12	1	1	1	1	1	16	19	19		
172	Training difference from mean		2.0	1.4	2.0	2.0	-3.2	-2.7	1.0	1.0	-1.7	-0.5	-0.5	-0.5	2.0	2.0	2.0	2.0	2.0	-2.7	-3.7	-3.7		
173	**Military/General and Support Missions**	4.21	1.23	3.33	3.43	1.27	2.78	2.87	2.11	3.66	3.80	2.31	1.79	2.84	2.84	3.07	3.09	1.47	1.27	0.61	1.04	1.18		2.3
174	Military/General and Support Missions rank		17	4	3	15	10	7	12	2	1	11	13	8	8	5	6	14	15	20	19	18		
175	Military/General and Support Missions difference from mean		-1.1	1.0	1.1	-1.0	0.5	0.6	-0.2	1.4	1.5	0.0	-0.5	0.5	0.5	0.8	0.7	-0.8	-1.0	-1.7	-1.3	-1.1		
176	**Baseloading**	3.31	1.42	1.53	2.78	0.82	0.40	0.13	0.58	0.98	0.71	2.38	1.42	0.98	2.11	2.38	2.09	1.11	1.69	0.13	0.13	0.00		1.2
177	Baseloading rank		8	7	1	13	16	17	15	11	14	2	8	11	4	2	5	10	6	17	17	20		
178	Baseloading difference from mean		0.2	0.3	1.8	-0.4	-0.8	-1.1	-0.6	-0.2	-0.5	1.2	0.2	-0.2	0.9	1.2	0.9	-0.1	0.5	-1.1	-1.1	-1.2		
179	**Total Military Value**	100	69.41	71.01	82.90	70.77	47.99	54.56	61.85	78.15	66.24	64.89	71.07	65.70	64.21	73.48	70.61	78.75	72.82	61.49	52.61	30.36		65.4
180	Overall Rank		10	7	1	8	19	17	15	3	11	13	6	12	14	4	9	2	5	16	18	20		
181	Military Value Differential		4.0	5.6	17.5	5.3	-17.4	-10.9	-3.8	12.7	0.8	-0.5	5.6	0.3	-1.2	8.0	5.2	13.3	7.4	-3.9	-12.8	-35.1		
182			NORF	JAX	OCEAN	MAYPT	KEY	ROSYT	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOF	FALN	LCNTF	ADAK		

NAS/MCAS Military Value Rankings -- incorporates auditors rev. 2 -- 1/23/95

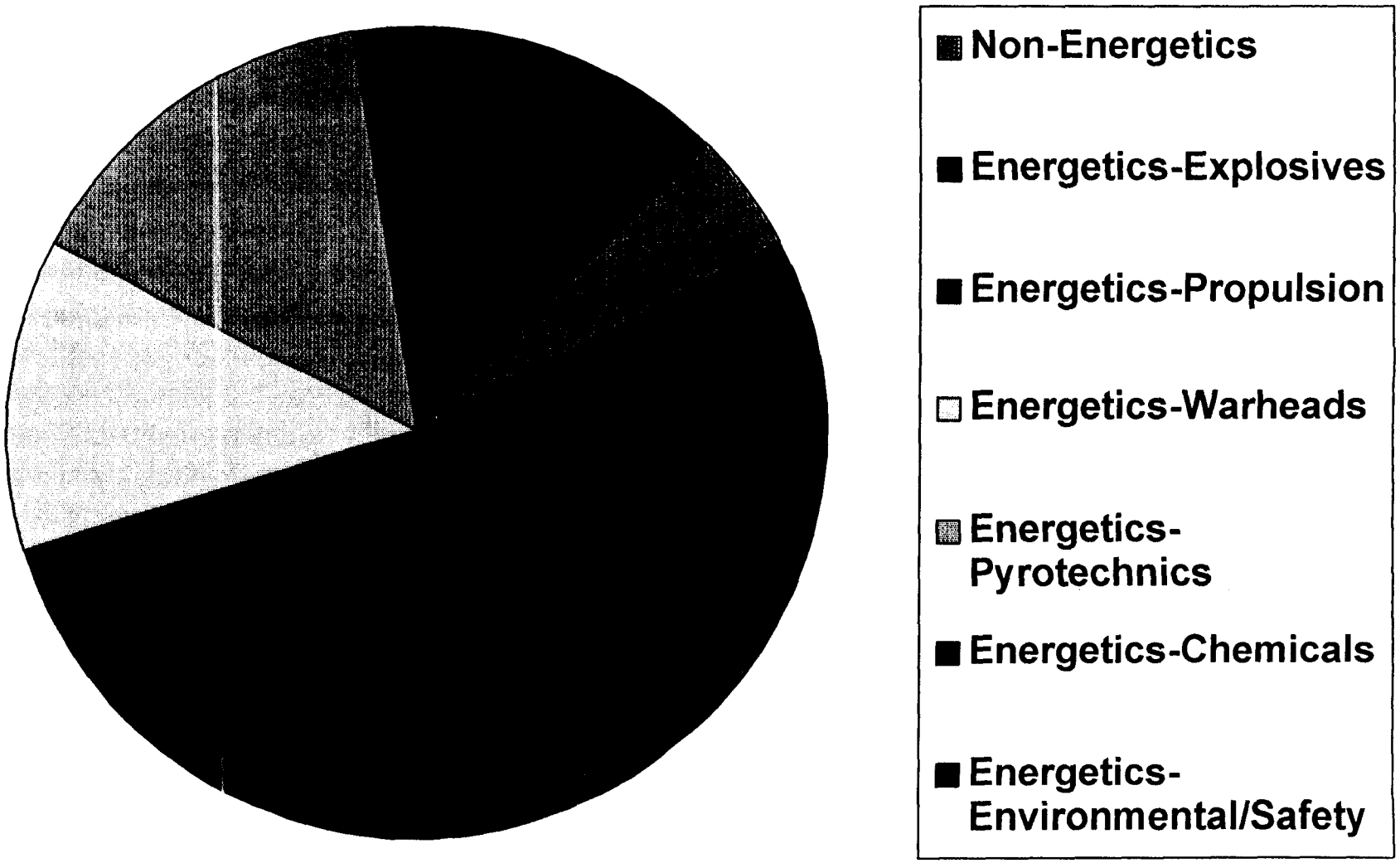
CALCS	G	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
153																								
154	Military Value Area	Weight	NORF	JAX	OCEAN	MAYPT	KEY	ROSYR	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOR	FALN	LCNTR	ADAK		Mean
155	**Flight Training Areas/Airspace**	31.2	29.9	28.2	31.2	30.6	10.1	22.2	19.7	31.2	26.7	23.5	28.8	28.7	27.6	30.1	28.7	31.2	29.7	23.5	20.4	2.4		25.2
156	Flight Training Areas/Airspace rank		6	11	1	4	19	16	18	1	13	14	8	9	12	5	9	1	7	14	17	20		
157	Flight Training Areas/Airspace difference from mean		4.7	3.0	6.0	5.4	-15.1	-3.0	-5.5	6.0	1.5	-1.7	3.6	3.5	2.4	4.9	3.5	6.0	4.5	-1.7	-4.8	-22.8		
158	**Air Station Facilities and Infrastructure**	21.8	10.6	11.6	16.9	10.1	11.2	11.1	11.6	15.3	8.1	13.3	11.6	10.0	6.9	14.6	14.8	14.1	14.4	13.0	11.7	6.8		11.9
159	Air Station Facilities and Infrastructure rank		15	10	1	16	13	14	11	2	18	7	12	17	19	4	3	6	5	8	9	20		
160	Air Station Facilities and Infrastructure difference from mean		-1.3	-0.3	5.0	-1.8	-0.7	-0.8	-0.3	3.4	-3.8	1.5	-0.3	-1.9	-5.0	2.7	3.0	2.2	2.5	1.1	-0.1	-5.1		
161	**Expansion, Encroachment and Environment**	12.43	5.99	9.38	9.65	6.45	9.42	9.07	8.72	9.17	9.61	7.97	10.33	8.67	5.14	6.62	3.23	11.28	8.54	11.23	8.81	9.77		8.5
162	Expansion, Encroachment and Environment rank		18	8	5	17	7	10	12	9	6	15	3	13	19	16	20	1	14	2	11	4		
163	Expansion, Encroachment and Environment difference from mean		-2.5	0.9	1.2	-2.0	1.0	0.6	0.3	0.7	1.2	-0.5	1.9	0.2	-3.3	-1.8	-5.2	2.8	0.1	2.8	0.4	1.3		
164	**Airfield Maintenance and Unique Facilities**	10.10	7.09	5.63	5.73	6.55	7.27	4.15	7.53	5.63	7.09	5.76	6.63	5.30	6.63	6.48	7.48	6.80	5.73	6.19	2.17	3.10		5.9
165	Airfield Maintenance and Unique Facilities rank		4	15	13	9	3	18	1	15	4	12	7	17	7	10	2	6	13	11	20	19		
166	Airfield Maintenance and Unique Facilities difference from mean		1.1	-0.3	-0.2	0.6	1.3	-1.8	1.6	-0.3	1.1	-0.2	0.7	-0.6	0.7	0.5	1.5	0.9	-0.2	0.2	-3.8	-2.8		
167	**Quality of Life**	10.72	6.51	5.54	7.01	7.96	5.78	3.83	4.64	6.41	6.00	5.54	5.08	6.62	6.46	3.71	4.64	6.32	5.33	5.74	7.15	7.02		5.9
168	Quality of Life rank		6	14	4	1	11	19	17	8	10	13	16	5	7	20	18	9	15	12	2	3		
169	Quality of Life difference from mean		0.6	-0.3	1.1	2.1	-0.1	-2.0	-1.2	0.5	0.1	-0.3	-0.8	0.8	0.6	-2.2	-1.2	0.5	-0.5	-0.1	1.3	1.2		
170	**Training**	6.24	6.24	6.24	6.24	6.24	2.55	1.62	5.30	5.30	2.56	3.78	3.78	3.78	6.24	6.24	6.24	6.24	6.24	1.62	0.58	0.58		4.4
171	Training rank		1	1	1	1	16	17	10	10	15	12	12	12	1	1	1	1	1	17	19	19		
172	Training difference from mean		1.9	1.9	1.9	1.9	-1.8	-2.8	0.9	0.9	-1.8	-0.6	-0.6	-0.6	1.9	1.9	1.9	1.9	1.9	-2.8	-3.8	-3.8		
173	**Military/General and Support Missions**	4.21	2.16	2.13	3.43	1.27	2.78	2.87	2.11	3.09	3.72	2.31	1.79	2.84	2.84	3.07	3.03	1.26	1.27	0.61	1.23	1.18		2.2
174	Military/General and Support Missions rank		11	12	2	15	9	6	13	3	1	10	14	7	7	4	5	17	15	20	18	19		
175	Military/General and Support Missions difference from mean		-0.1	-0.1	1.2	-1.0	0.5	0.6	-0.1	0.8	1.5	0.1	-0.5	0.6	0.6	0.8	0.8	-1.0	-1.0	-1.6	-1.0	-1.1		
176	**Baseloading**	3.31	1.42	1.53	2.78	0.13	0.40	0.13	0.58	0.98	1.42	2.38	1.42	0.71	2.11	1.69	2.09	1.11	1.69	0.13	0.13	0.00		1.1
177	Baseloading rank		8	7	1	16	15	16	14	12	8	2	8	13	3	5	4	11	5	16	16	20		
178	Baseloading difference from mean		0.3	0.4	1.6	-1.0	-0.7	-1.0	-0.6	-0.2	0.3	1.2	0.3	-0.4	1.0	0.5	0.9	-0.0	0.5	-1.0	-1.0	-1.1		
179	**Total Military Value**	100	69.91	70.27	82.90	69.22	49.51	55.04	60.16	77.08	65.24	64.56	69.44	66.62	63.89	72.51	70.23	78.33	72.87	61.99	52.20	30.82		65.1
180	Overall Rank		8	6	1	10	19	17	16	3	12	13	9	11	14	5	7	2	4	15	18	20		
181	Military Value Differential		4.8	5.1	17.8	4.1	-15.6	-10.1	-5.0	11.9	0.1	-0.6	4.3	1.5	-1.3	7.4	5.1	13.2	7.7	-3.2	-12.9	-34.3		
182			NORF	JAX	OCEAN	MAYPT	KEY	ROSYR	BRUNS	CHPT	KBAY	YUMA	BEAUF	NWRV	PEND	MIRAM	N.ISL	WHDIS	LEMOR	FALN	LCNTR	ADAK		

LJCSG Energetics-Explosives Recommendation

The Military Departments should consider cross-servicing and consolidating this function to the degree possible at NAWC China Lake and ARDEC Picatinny Arsenal, taking advantage of the pre-production and production capacity of the facilities owned by the U.S. Army as the Single Product Manager for Conventional Ammunition. Principal candidates for closure or realignment of this function are Wright Laboratory @ Eglin AFB and NSWC Indian Head.

ENCL (1)

NSWC Indian Head Workload



China Lake - Picatinny Comparision

Capability	Cost at China Lake	Cost at Picatinny
Energetics-Explosives Capabilities		
Energetics Materials Research Lab	$27.8M	$38.4M
Weapons Product Development	$19.9M	$50.1M
Ordnance Test and Evaluation	$1.1M	$10.2M
Chemicals Processing Facility	$22.8M	$22.8M
Explosives Processing	$14.8M	$14.8M
Sub-Total:	$86.4	$136.3M
Non Energetics-Explosives Capabilities		
Nitramine Gun & High Energy Propellant	$60.0M	N/A
Extruded Products	$15.3M	N/A
Ordnance Device Development, Engr, & Prototyping	$13.1M	N/A
Common Support	$3.4M	N/A
Sub-Total:	$91.8M	N/A
TOTAL:	$178.2M	$136.3M

Encl (1)

ROI Summary

Scenario	One-Time Costs	Steady-State Savings	ROI Years	20 Year NPV
Ind Hd to Picatinny	82.7	-0.1	100+ Years	71.0

All Dollars shown in Millions

Notes:

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
Ind Hd to Picatinny	Eliminate	0	0	0		0
	Move	0	0	241	0	241

ENCL (2)

One-Time Costs Summary

Scenario	Const	Pers	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
Ind Hd to Picatinny	1.3	0.4	1.1	58.2	21.5	82.7	0.0	82.7

All Dollars shown in Millions

Notes:

ENCL (2)

MILCON Summary Report

Scenario:		Ind Hd to Picatinny		
Construction		PICATINNY ARSENAL, NJ		
Description	Type	New Rqmt	Rehab Rqmt	Cost
Add'l Admin Rehab	ADMIN	0	9,800	0.3
Spklr/Deluge Sys	MAINT	0	0	0.2
Install/Mod HVAC	MAINT	0	0	0.1
Rehab 3 Buildings	MAINT	0	0	0.1
Misc Bldg Mods	MAINT	0	0	0.2
Detonation Sciences	RDT&E	0	0	0.2
TOTAL:				1.3

All Dollars shown in Millions

ENCL (2)

One-Time Costs Summary

Scenario	Const	Pers	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
NRL (SATELLITES)	73.0	0.4	1.0	5.7	0.0	80.2	0.0	80.2

All Dollars shown in Millions

Notes:

ENCL (3)

ROI Summary

Scenario		One-Time Costs	Steady-State Savings	ROI Years	20 Year NPV
NRL (SATELLITES)		80.2	1.3	Never	96.3

All Dollars shown in Millions

Notes:

ENCL (3)

MILCON Summary Report

Scenario:		NRL (SATELLITES)		
Construction		SMC LOS ANGELES AFB, CA		
Description	Type	New Rqmt	Rehab Rqmt	Cost
ADMINISTRATIVE (SF)	ADMIN	22,500	0	5.6
RDT&E FACILITIES	RDT&E	162,600	0	52.7
SUPPLY/STORAGE (SF)	STORA	76,900	0	14.6
TOTAL:				73.0

All Dollars shown in Millions

ENCL (3)

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
NRL (SATELLITES)	Eliminate	0	0	0		0
	Move	0	0	213	0	213

ENCL (7)

LN

NRL (SATELLITES) - LJCSG #17 SUGGESTED ALTERNATIVE

REQUIREMENTS SENT TO THE AIR FORCE

ADMIN SPACE	24000 SQFT
STORAGE SPACE	31400 SQFT
RDT&E SPACE	122200 SQFT OF WHICH 35300 SQFT MUST BE 50FT HIGH MINIMUM
LAB SCIF SPACE	30300 SQFT OF WHICH 14400 SQFT MUST BE 50FT HIGH MINIMUM

AIR FORCE CERTIFIED RESPONSE

NO SPACE AVAILABLE, MILCON REQUIRED

NRL CERTIFIED SPACE REQUIREMENTS

ADMIN SPACE	22500 SQFT
STORAGE SPACE	76900 SQFT
RDT&E SPACE	59500 SQFT OF WHICH 35300 SQFT MUST BE HIGH BAY
SCIF	40400 SQFT OF WHICH 24500 SQFT MUST BE HIGH BAY
ENG'RING DESIGN	62700 SQFT

COBRA ANALYSIS

*UTILIZED NRL CERTIFIED SPACE REQUIREMENTS FOR NEW MILCON AS FOLLOWS:

22500 SQFT	ADMINISTRATIVE
76900 SQFT	SUPPLY/STORAGE
162600 SQFT	RDT&E (INCLUDED SCIF, ENG'RING DESIGN, & HIGH BAY RQMTS)

*UTILIZED NAVY STANDARD MILCON COSTS AS AIR FORCE DOES NOT USE STANDARDS

ENCL (4)

SATELLITES
NRaD San Diego to SMC-LAAFB

NRaD CERTIFIED RESPONSE

Note 1: This data call deals with efforts identified in BRAC 95 Data Call 12 - (DoD Joint/Cross Service Laboratories Data Call). The NRaD efforts listed under the satellite common support function for Data Call 12 were (and are) for ashore and afloat communications equipment for the telemetry of C4I data. None of the efforts are for engineering development of launch vehicles, satellites or associated ground control (satellite control) systems. Therefore, there are no billets or resources available for transfer in support of engineering development or any other satellite control efforts.

ENCL (5)

ROI Summary

Scenario	One Time Costs	Steady State Savings	ROI Years	20 Year NPV
SPAWAR AIR FORCE	68.3	-5.5	6 Years	-36.7

All Dollars shown in Millions

Notes:

ENCL (6)

MILCON Summary Report

Screenation		SPAWAR AIR FORCE		
Scenario Name		ESC HANSCOMB AFB, MA		
Description	Type	New Rqmt	Rehab Rqmt	Cost
ADMIN BUILDING	ADMIN	141,500	0	36.7
COMMUNICATION FAC	COMFC	1,670	0	0.5
SCIF	RDT&E	7,100	0	2.4
COMPUTER ROOM	RDT&E	6,550	0	2.2
STORAGE FACILITY	STORA	4,950	0	0.9
TOTAL				42.8

All Dollars shown in Millions

ENCL (6)

One-Time Costs Summary

Scenario	Consol	Plans	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
SPAWAR AIR FORCE	42.8	1.3	6.2	16.3	1.5	68.3	40.4	27.9

All Dollars shown in Millions

Notes:

ENCL (6)

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
SPAWAR AIR FORCE	Eliminate	0	0	0		0
	Move	175	24	732	0	931

ENCL (C)

ROI Summary

Scenario	One Time Costs	Steady State Savings	ROI Years	20 Year NPV
SPAWAR	24.0	-24.3	Immediate	-346.7
SPAWAR AIR FORCE	68.3	-5.5	6 Years	-36.7
SPAWAR ARMY	32.8	-0.7	Immediate	-14.8

All Dollars shown in Millions

Notes:

ROI Summary

Scenario	One Time Costs	Steady State Savings	ROI Years	20 Year NPV
SECGRU USAF	1.9	0.2	Never	4.3

All Dollars shown in Millions

Notes:

ENCL (8)

One-Time Costs Summary

Scenario	Constr	Pers	Ovhd	Move	Other	Total Costs	Svgs	Net Costs
SECGRU USAF	1.6	0.0	0.0	0.2	0.0	1.9	0.0	1.8

All Dollars shown in Millions

Notes:

ENCL (8)

Disposition of Billets/Positions

Scenario		Officers	Enlisted	Civilian	Students	Total
SECGRU USAF	Eliminate	0	0	0		0
	Move	15	17	0	0	32

Encl (2)

MILCON Summary Report

Stateside		SECGRU USAF		
Construction		LOS ANGELES AFB, CA		
Description	Type	New Rqmt	Rehab Rqmt	Cost
SCIF	RDT&E	5,180	0	1.6
TOTAL				1.6

All Dollars shown in Millions

ENCL (8)

ROI Summary

Scenario	One Time Costs	Steady State Savings	ROI Years	20 Year NPV
NAVSECGRUPOT ALT	0.0	0.0	Immediate	-4.0
SECGRU USAF	1,905.0	249.0	Never	4,351.0

All Dollars shown in Thousands

Notes:

ENCL (8)

Military Value Changes

- Naval Audit Service check of MILVAL scores reveals:
  - 408 questions reviewed (100%)
  - 7 revisions (2%)
  - 4 EFDs maintained same score
  - 2 EFDs gained in MILVAL (+3.30 largest gain)
  - 2 EFDs lost in MILVAL (-3.54 largest loss)
  - Fifth and sixth ranked EFDs swapped ranking

Base Ranking

Base	Rank/Previous	MV Score Previous	+/-
Northdiv	8/8	30.40/27.35	-3.05
EFA Ches	3/3	45.84/45.84	0.00
Lantdiv	1/1	70.12/71.78	+1.66
Southdiv	4/4	45.62/45.62	0.00
EFA NW	5/6	41.31/37.77	-3.54
EFA West	7/7	34.13/34.13	0.00
Southwestdiv	2/2	56.12/56.12	0.00
Pacdiv	6/5	41.19/44.49	+3.30

ENCL (9)

EFD Military Value Responses - 2/16/95

audit	B	D	E	K	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1			EFD MILITARY VALUE MATRIX											
2														
3	DC #	Q #	Matrix Question	Weight	NDIV	EFACHES	LANTDV	SDIV	EFANW	WDIV	SWDIV	PACDIV		MEAN
4			CUSTOMER SUPPORT SERVICES	26.31	10.17	9.92	21.84	16.27	9.92	9.57	12.39	14.15		13.03
5	57	3b	The EFD manages over 300K acres	2.54	0	0	1	0	0	1	1	0		
6	57	3b	The EFD/EFA manages contracts greater than 2.25% of CPV	2.03	1	1	0	1	1	1	0	0		
7	57	3b	The EFD/EFA manages housing units	2.54	1	0	1	1	0	0	1	1		
8	57	3b	The EFD/EFA does Facility Planning for >65 bases	2.03	1	0	1	1	0	0	0	0		
9			The EFD Provides technical/legal support	2.03	1	1	1	1	1	1	1	1		
10	57	3d	There have been space/personnel/mission changes since 1988	0.61	1	1	1	1	1	1	1	1		
11	57	3e	There are other known future additions to mission or support requi	2.69	0	0	1	0	0	0	0	1		
12	57	3d	The EFD/EFA's customer base increased since FY1988	1.69	0	0	1	1	0	0	1	0		
13	58	10b	The EFD/EFA provides contracting services for non-Navy local ager	0.93	1	1	1	1	1	1	1	1		
14	57	3b	CPV of customer base is greater than $22B	2.04	0	0	1	1	0	0	1	1		
15	57	3b	The EFD/EFA manages contracts over 400 million	1.43	0	0	1	1	0	1	0	0		
16	57	4a	The EFD/EFA customer base will not be diminished as a result of BI	3.38	0	1	0	0	1	0	0	0		
17	57	4a	The EFD/EFA customer base will not be reduced by more than 2 ma	2.37	0	0	1	0	0	0	0	1		
18	57	3b	The EFD volume of contracts per capita is greater than $950K	0.94	0	1	1	1	1	0	0	1		
19			LOCATION	22.18	5.94	13.30	14.40	5.53	14.43	7.26	18.14	9.97		11.122
20	57	4c	Your #1 customer is within 100 miles of your location	3.38	0	1	1	1	1	0	1	0		
21	57	4c	Your #2 customer is within 100 miles of your location	3.04	0	1	0	0	0	0	1	0		
22	57	4c	Your #3 customer is within 100 miles of your location	2.70	1	1	0	0	1	0	1	1		
23	58	4d	The activities location helps in the hiring of qualified personnel	0.13	1	1	1	1	1	1	1	1		
24	58	5	The activity has a role in regional emergency response actions	1.07	1	0	1	0	1	1	1	0		
25	58	6	Reserve units train at this installations/compound	2.01	0	1	1	1	0	1	1	1		
26	58	6	More than 50 reservists train at this location per month	2.69	0	0	1	0	0	1	0	0		
27	57	4e	The closest DON activity not serviced by you is more than 200 mile	1.35	0	0	1	0	1	1	0	1		
28	57	4d	The furthest in CONUS customer from this location is less than 500	2.03	1	1	0	0	1	0	1	0		
29	57	4d	This EFD/EFA serves customers out CONUS	3.76	0	0	1	0	1	0	1	1		
30			SPECIAL MISSION	12.99	5.90	1.22	11.03	3.90	0.00	0.00	0.00	5.90		3.4965
31	57	4b	The EFD/EFA has specialized, unique or peculiar facilities, equipm	3.90	1	0	1	1	0	0	0	0		
32	58	9	There are unique, service particular functions performed by this EF	3.90	0	0	1	0	0	0	0	1		
33	58	7a	The EFD/EFA has a special support mission	1.22	0	1	1	0	0	0	0	0		
34	57	7a	Realignments to 1997 will add non-DOD or civilian support mission	0.93	0	0	0	0	0	0	0	0		
35	58	7c	The EFD/EFA will support other new active military missions	1.02	0	0	0	0	0	0	0	0		
36	57	7	The EFD/EFA has a mobilization requirement	2.00	1	0	1	0	0	0	0	1		
37			WORKLOAD CAPABILITY	22.17	2.37	14.46	16.94	12.55	7.55	9.28	18.00	4.84		10.748
38	57	1	Workyears from FY91 to FY94 increased or remain the same	2.48	0	0	1	1	1	0	1	0		
39	57	1	Workyears from FY95 to FY2001 will increase	3.54	0	0	1	0	0	0	1	0		
40	57	3	Work in Place (Income Bearing (IB) + Non-IB) from FY91 to FY94 inc	2.48	0	1	1	1	0	0	0	1		
41	57	3	WIP (IB + NIB) from FY95 to FY97 will increase	3.54	0	1	0	1	0	1	1	0		
42	57	3b	Caretaker Support Office WYs is not > 5% of the total WYS in FY97	2.70	0	1	1	0	1	0	1	0		

Encl (9)

Engineering Field Divisions Military Value Analysis

Data Revisions

ENCL (9)

EFD Military Value Responses - 2/16/95

audit	B	D	E	K	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
43	57	3b	Caretaker Support Office WYs is not > 10% of the total WYS in FY97	1.69	0	0	0	1	0	0	0	0		
44	57	3	Environmental costs (all) increased from FY91-94	2.37	1	1	1	1	1	1	1	1		
45	57	3	Environmental costs (all) increased from FY95-97	3.38	0	1	1	0	0	1	1	0		
46			FACILITIES + COST	8.14	0.00	5.31	3.18	1.77	0.00	5.31	2.12	5.31		2.87
47	58	3a	EFD/EFA occupies government owned space	2.12	0	1	1	0	0	1	1	1		
48	57	6a	There is government owned expansion space avail	1.77	0	1	0	0	0	1	0	1		
49	57	6c	Can the EFD's capacity be increased (i.e. no limiting factors)	1.41	0	1	0	0	0	1	0	1		
50	67	encl	The area cost factor is less than 0.9	1.77	0	0	0	1	0	0	0	0		
51	67	encl	The area cost factor is between 0.9 and 1.0	1.06	0	0	1	0	0	0	0	0		
52			QUALITY OF LIFE	7.29	2.97	1.62	4.39	5.60	5.87	2.70	5.47	4.32		4.12
53	58	12	Does the site have >90% of the listed MWR Facilities	1.41	0	0	0	0	0	0	0	0		
54	58	20	Do > 50% of site military and civilian personnel live within a 30 min	1.35	1	0	0	1	1	1	1	1		
55	58	21b	There are educational opportunities at all coll. levels within 30 mi	1.35	1	1	1	1	1	1	1	1		
56	58	21c	Are college education courses available on the base	1.35	0	0	1	1	1	0	1	1		
57	58		Is there sufficient off base housing	1.41	0	0	1	1	1	0	1	0		
58	58	25	Is the property Crime rate less than 4902 per 100000	0.13	1	1	0	0	1	0	0	0		
59	58	25	Is the violent crime rate less than 758 per 100,000	0.13	1	0	1	0	1	0	0	1		
60	58	25	Is the drug crime rate less than 402 per 100,000	0.13	0	1	1	1	1	0	0	1		
83														
84			TOTAL MILITARY VALUE		27.36	45.84	71.78	45.62	37.77	34.13	56.12	44.49		45.39
85			Overall Rank		8	3	1	4	6	7	2	5		
86			Military Value Differential		-18.03	0.45	26.39	0.23	-7.62	-11.26	10.74	-0.90		
87					NDIV	EFACHES	LANTDV	SDIV	EFANW	WDIV	SWDIV	PACDIV		

ENCL (9)

EFD Military Value Responses - 2/16/95

audit	D	E	K	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
94		MILITARY VALUE AREA		NDIV	EFACHES	LANTDV	SDIV	EFANW	WDIV	SWDIV	PACDIV		MEAN
95		Customer Support Services		10.17	9.92	21.84	16.27	9.92	9.57	12.39	14.15		13.03
96		Customer Support Services rank		5	6	1	2	6	8	4	3		
97		Customer Support Services difference from mean		-2.86	-3.11	8.81	3.24	-3.11	-3.46	-0.64	1.12		
98		LOCATION		5.94	13.30	14.40	5.53	14.43	7.26	18.14	9.97		11.122
99		Location rank		7	4	3	8	2	6	1	5		
100		Location difference from mean		-5.18	2.18	3.28	-5.59	3.31	-3.86	7.02	-1.16		
101		SPECIAL MISSION		5.90	1.22	11.03	3.90	0.00	0.00	0.00	5.90		3.4965
102		Special Mission rank		2	5	1	4	6	6	6	2		
103		Special Mission difference from mean		2.4081	-2.272	7.5371	0.4081	-3.4965	-3.4965	-3.4965	2.4081		
104		WORKLOAD CAPABILITY		2.37	14.46	16.94	12.55	7.55	9.28	18.00	4.84		10.748
105		Workload Capability rank		8	3	2	4	6	5	1	7		
106		Workload Capability difference from mean		-8.382	3.7151	6.1911	1.7969	-3.2021	-1.4649	7.2522	-5.9062		
107		FACILITIES AND COST		0.00	5.31	3.18	1.77	0.00	5.31	2.12	5.31		2.8739
108		Facilities and Cost rank		7	1	4	6	7	1	5	1		
109		Facilities and Cost difference from mean		-2.874	2.4317	0.3095	-1.105	-2.8739	2.4317	-0.7516	2.4317		
110		QUALITY OF LIFE		2.97	1.62	4.39	5.60	5.87	2.70	5.47	4.32		4.1194
111		Quality of Life rank		6	8	4	2	1	7	3	5		
112		Quality of Life difference from mean		-1.147	-2.4995	0.2674	1.4855	1.7533	-1.4153	1.3516	0.2046		
113		TOTAL MILITARY VALUE		27.36	45.84	71.78	45.62	37.77	34.13	56.12	44.49		45.389
114		Overall Rank		8	3	1	4	6	7	2	5		
115		Military Value Differential		-18.03	0.4467	26.393	0.2328	-7.6151	-11.262	10.735	-0.8995		

ENCL (9)

Naval Air Station Military Value Analysis

Data Revisions

ENCL (10)

Military Value Changes

- Naval Audit Service check of MILVAL scores reveals:
  - 2,640 questions reviewed (100 %)
  - 54 revisions (2.04 %)
  - 1 base maintained same score
  - 7 bases gained in MILVAL (+ 0.92 largest gain)
  - 12 bases lost in MILVAL (- 1.63 largest loss)
  - Top 3 bases maintained same ranking
  - Lowest 4 bases maintained same ranking

Reserve Naval Air Station Military Value Analysis

Data Revisions

ENCL (11)

Military Value Changes

- Naval Audit Service check of MILVAL scores reveals:
  - 804 questions reviewed (100 %)
  - 15 revisions (1.87 %)
  - 1 base maintained same score
  - 3 bases gained in MILVAL (+ 1.64 largest gain)
  - 2 bases lost in MILVAL (- 2.12 largest loss)
  - Top base maintained its ranking
  - Lowest base maintained its ranking

Reserve Air Station Military Value Matrix Responses (Scoring) -- POST AUDIT/PRE BSEC 2/21/95

Calcs	B	C	D	J	K	L	M	N	O	P	Q	R
1					RESRVE	RESRVE	RESRVE	RESRVE	RESRVE	RESRVE		
2					21	22	23	24	25	26		
3	DC #	Q #	Matrix Question	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
94	1	1	Is the air station's location of strategic military value?	0.18	0	0	0	0	0	0		
95	38	31a	Another military airport with 8000 feet of usable runway is within 100 miles?	0.73	1	1	0	1	1	1		
96	1,16	12,21	Does the air station or tenants have National Command Authority missions or NATO designation?	0.09	0	0	1	0	0	0		
97	1,16	12,10	Are ground combat and/or special operation forces located in the area?	1.02	1	1	0	0	0	1		
98	16,38	9a,7a	Do ground combat and/or special operation forces train at this air station?	0.29	1	1	0	0	0	1		
99	1	12	Air station is home station to a DON non-aviation surface reserve center?	0.73	0	1	0	1	0	1		
100	16	10	Air station is home station to an active or reserve construction battalion?	0.73	0	0	0	0	0	1		
101	16	8	Air station is home station to non-DOD flying units?	0.18	0	0	1	0	0	0		
102	1	12	Air station is home station to non-DOD components?	0.09	0	0	1	1	0	1		
103	1	12	Air station is home station to a USMC reserve support unit?	1.28	1	1	1	1	1	1		
104			Demographics	9.89	4.58	7.87	4.40	3.85	4.03	4.94		4.94
105	1	10	The air station has in excess of 3000 SELRES billets.	1.47	0	1	1	0	1	1		
106	16	11	Personnel on reserve unit waiting lists are >= 10% of aggregate authorized unit strength for FY1993.	0.92	0	0	0	1	0	0		
107	16	6b	More than 90% of the Resforon SELRES officer billets were filled in FY93.	1.65	1	1	0	0	1	1		
108	16	6a	More than 90% of the Resforon SELRES enlisted billets were filled in FY93.	1.83	0	1	0	0	0	1		
109	16	10b	More than 90% of the non-squadron SELRES officer billets were filled in FY93.	0.92	1	1	1	1	1	0		
110	16	10b	More than 90% of the non-squadron SELRES enlisted billets were filled in FY93.	1.10	0	1	0	0	0	0		
111	38	39	SELRES officer participation has been 97.4 or greater for the last three fiscal years.	0.92	1	1	1	1	0	0		
112	38	39	SELRES enlisted participation has been 94.5 or greater for the last three fiscal years.	1.10	1	0	1	1	0	0		
113			Training	3.54	2.25	0.62	2.25	0.62	2.25	2.25		1.71
114	38	23a/b	Required major flight/training simulators located at or near the air station?	1.64	1	0	1	0	1	1		
115	16	13a	There is an aviation flight physiology training facility in the local area?	0.93	0	0	0	0	0	0		
116	16	14e	Less than 10% of the training facilities are in inadequate condition.	0.62	1	1	1	1	1	1		
117	16	13	Is there a shipboard aircraft fire fighting trainer in the local area?	0.35	0	0	0	0	0	0		
118			Quality of Life	10.42	4.86	3.62	4.03	4.96	6.80	5.23		4.92
119	38	41a4	Is officer FH waiting list <6 months	0.53	0	1	0	0	1	0		
120	38	41a4	Is enlisted FH waiting list < 6 months	0.62	0	0	0	0	1	0		
121	38	41a6	Do 90% or more of the housing units have all the required amenities?	0.53	1	1	1	1	1	0		
122	38	41b1	Is the BEQ occupancy rate < 90%?	0.70	0	0	0	0	0	1		
123	16	25a	Are 90% of the BEQ rooms adequate?	0.70	1	0	1	1	0	1		

Reserve Air Station Military Value Matrix Responses (Scoring) -- POST AUDIT/PRE BSEC 2/21/95

Calcs	B	C	D	J	K	L	M	N	O	P	Q	R
1					RESRVE	RESRVE	RESRVE	RESRVE	RESRVE	RESRVE		
2					21	22	23	24	25	26		
3	DC #	Q #	Matrix Question	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
124	38	41c1	Is the BOQ occupancy rate < 90%?	0.53	1	0	0	1	0	1		
125	16	25b	Are 90% of the BOQ rooms adequate?	0.62	0	0	0	0	1	1		
126	38	45	Does the air station have more than 90% of the listed MWR facilities?	0.62	0	0	0	0	0	0		
127	38	45	Does the air station have between 70% and 90% of the listed MWR facilities, including library, pool, g	0.35	0	0	0	0	1	0		
128	38	44	Is the average wait for 0-12 month child care facilities < 180 days?	0.53	0	0	0	1	1	0		
129	38	44	Is the average wait for child care 6 months or less	0.62	0	0	0	1	1	0		
130	38	44	Is the average wait for child care between 6 & 12 months	0.35	1	1	1	0	0	1		
131	38	44	Are > 90% of the air station's child care facilities adequate?	0.35	1	0	1	1	1	1		
132	38	44	Are there certified home care providers?	0.20	1	1	1	0	1	0		
133	38	45	Does the air station have more than 90% of the listed family support facilities and programs?	0.53	0	0	0	0	1	0		
134	38	45	Does the air station have between 70% and 90% of listed family support facilities, including commissa	0.26	0	0	0	0	0	1		
135	38	48d	Is off base housing rental and purchase affordable?	0.38	1	0	0	0	0	0		
136			Is there sufficient off base housing?	0.53	1	1	1	1	1	1		
137	38	49	Are there opportunities for consecutive follow on tours in the commuting area?	0.38	1	1	1	1	1	1		
138	38	50	Do >50% of employees live within 30 minutes of the base	0.50	1	1	1	1	1	1		
139	38	51b,c	Are local area educational institution programs adequate for military family members?	0.15	0	1	1	1	1	1		
140	34-3	51b-c	Are there educational opportunities at all college levels within a 30 mi radius?	0.04	1	1	1	1	1	1		
141	36	51c	Are college education courses available on the base?	0.04	1	1	1	1	1	1		
142	38	52	Does the air station have an active FSC spouse employment program?	0.04	1	1	1	1	0	1		
143	38	54	Do military family members have reasonable access to medical/dental care?	0.23	1	1	1	0	1	0		
144	37-4	61	Is the violent crime rate less than 758 per 100,000	0.04	1	1	0	1	0	0		
145	37-4	61	Is the drug crime rate less than 402 per 100,000	0.04	0	1	0	0	1	1		
146	37-4	61	Is the property Crime rate less than 4902 per 100000	0.04	1	1	0	0	1	0		

Base Ranking

Base	Rank/Previous	MV Score/Previous	+ / -
Washington	1 / 1	65.16 / 65.03	+ 0.13
Willow Grove	2 / 2	64.36 / 64.36	- 0.00
New Orleans	3 / 4	63.99 / 62.35	+ 1.64
South Weymouth	4 / 5	61.37 / 61.99	- 0.62
FT Worth	5 / 3	60.94 / 63.06	- 2.12
Atlanta	6 / 6	51.14 / 50.35	+ 0.79

Reserve Air Station Military Value Matrix Responses (Scoring) -- POST AUDIT/PRE BSEC 2/21/95

Calcs	B	C	D	J	K	L	M	N	O	P	Q	R
1					RESRVE	RESRVE	RESRVE	RESRVE	RESRVE	RESRVE		
2					21	22	23	24	25	26		
3	DC #	Q #	Matrix Question	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
4			**Flight Training Areas/Airspace**	30.66	26.98	26.19	28.55	16.10	25.05	20.12		23.83
5	16	12b	Are there warning areas within 100 mi. of the air station?	1.82	1	1	1	0	1	0		
6	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	0.97	1	1	1	0	1	0		
7	38	12 d	Is the flying time to this airspace less than 30 minutes?	1.87	1	1	1	0	1	0		
8	38	12 i	Is this airspace under communications control?	0.97	1	1	1	0	1	0		
9	38	12h	Is this airspace under radar control?	0.83	1	1	1	0	1	0		
10	38	12 r	Training within the warning areas is not affected by environmental issues.	0.56	1	1	1	0	1	0		
11	16	12b	Are there Military Operating Areas within 100 mi. of the air station?	2.34	1	1	1	1	1	1		
12	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1.37	1	1	1	0	1	1		
13	38	12 d	Is the flying time to this airspace less than 30 minutes?	1.87	1	1	1	1	1	1		
14	38	12 h	Is this airspace under radar control?	0.83	1	1	1	1	1	1		
15	38	12i	Is this airspace under communications control?	0.97	1	1	1	1	1	1		
16	38	12 r	Training within the military operating areas is not affected by environmental issues.	0.56	1	0	1	1	1	1		
17	16	12b	Is there restricted airspace for hazardous flight training within 100 mi?	2.34	1	1	1	1	1	1		
18	16	12b	Is this airspace managed (i.e., scheduled or controlled) by DoD?	1.37	1	1	1	1	1	1		
19	38	13c	Is the flying time to this airspace less than 30 minutes?	1.87	1	1	1	0	1	1		
20	38	13g&h	Is this airspace under radar or communications control?	0.97	1	1	1	1	1	1		
21	38	13g	Training within the restricted airspace is not affected by environmental issues.	0.56	1	1	1	1	1	1		
22	38	13d	The air station or a local DON activity controls an air-ground range.	2.10	0	1	0	0	0	0		
23	16	12b st	There is access to a bombing range for live ordnance within 200 miles?	2.34	1	0	1	1	0	1		
24	38	12a	There is an area for supersonic training within 100 n.m.?	1.40	1	1	1	0	1	0		
25	38	35a	Does the air station normally operate without ATC delays?	1.17	1	1	1	1	0	1		
26	16	2a	This air station can accommodate 30 flight operations per hour IMC?	0.78	0	0	1	0	1	1		
27	16	2a	This air station can accommodate 80 flight operations per hour VMC?	0.78	0	0	1	1	1	1		
28			**Expansion, Encroachment and Environment**	12.97	6.13	6.31	7.86	8.47	6.32	7.13		7.71
29	38	37	Does current operational infrastructure, geographic location, climatalogical conditions support future e	0.65	1	1	1	1	1	1		
30	38	14	Are there no encroachments at the base that restrict current operations?	0.30	1	1	1	1	1	1		
31	38	36a	Is the existing AICUZ study encoded in local zoning ordinances?	1.02	0	1	0	1	1	0		
32	38	36c	Is the air station's present or future mission unaffected by current estimates of population growth and a	1.02	1	1	1	1	1	1		
33	33	5b	Activity is an "attainment" or "maintenance" air quality control area for CO, Ozone, PM10?	1.77	0	0	1	0	0	0		

Reserve Air Station Military Value Matrix Rankings -- POST AUDIT/PRE BSEC 2/21/95

Calcs	D	J	K	L	M	N	O	P	Q	R
158										
159	Military Value Area	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
160	**Flight Training Areas/Airspace**	30.66	26.98	26.19	28.55	16.10	25.05	20.12		23.83
161	Flight Training Areas/Airspace rank		2	3	1	6	4	5		
162	Flight Training Areas/Airspace difference from mean		3.15	2.36	4.72	-7.74	1.22	-3.71		
163	**Air Station Facilities and Infrastructure**	18.64	11.36	6.73	10.65	10.05	11.57	10.07		10.07
164	Air Station Facilities and Infrastructure rank		2	6	3	5	1	4		
165	Air Station Facilities and Infrastructure difference from mean		1.29	-3.34	0.58	-0.03	1.50	-0.00		
166	**Expansion, Encroachment and Environment**	12.97	6.13	8.31	7.88	8.47	8.32	7.13		7.71
167	Expansion, Encroachment and Environment rank		6	3	4	1	2	5		
168	Expansion, Encroachment and Environment difference from mean		-1.58	0.61	0.17	0.77	0.62	-0.58		
169	**Quality of Life**	10.42	4.86	3.62	4.03	4.96	6.80	5.23		4.92
170	Quality of Life rank		4	6	5	3	1	2		
171	Quality of Life difference from mean		-0.06	-1.30	-0.88	0.05	1.88	0.31		
172	**Demographics**	9.89	4.58	7.87	4.40	3.85	4.03	4.94		4.94
173	Demographics rank		3	1	4	6	5	2		
174	Demographics difference from mean		-0.37	2.93	-0.55	-1.10	-0.92	0.00		
175	**Airfield Maintenance and Unique Facilities**	6.95	3.66	3.66	3.66	3.66	4.00	5.52		4.02
176	Airfield Maintenance and Unique Facilities rank		3	3	3	3	2	1		
177	Airfield Maintenance and Unique Facilities difference from mean		-0.37	-0.37	-0.37	-0.37	-0.03	1.50		
178	**Military/General and Support Missions**	6.77	4.54	4.37	2.57	3.45	3.14	5.67		3.96
179	Military/General and Support Missions rank		2	3	6	4	5	1		
180	Military/General and Support Missions difference from mean		0.59	0.41	-1.39	-0.51	-0.81	1.71		
181	**Training**	3.54	2.25	0.62	2.25	0.62	2.25	2.25		1.71
182	Training rank		1	5	1	5	1	1		
183	Training difference from mean		0.55	-1.09	0.55	-1.09	0.55	0.55		
184	**Total Military Value**	99.82	64.36	61.37	63.99	51.14	65.16	60.94		61.16
185	**Overall Rank**		2	4	3	6	1	5		
186	Military Value Differential		3.20	0.21	2.83	-10.02	4.00	-0.23		
187			WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		

Reserve Air Station Military Value Matrix Rankings -- FINAL 11/8/94

Calcs	D	J	K	L	M	N	O	P	Q	R
158										
159	Military Value Area	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
160	**Flight Training Areas/Airspace**	30.66	26.98	26.19	28.55	17.47	25.05	20.12		24.06
161	Flight Training Areas/Airspace rank		2	3	1	6	4	5		
162	Flight Training Areas/Airspace difference from mean		2.92	2.13	4.49	-6.59	0.99	-3.94		
163	**Air Station Facilities and Infrastructure**	18.64	11.36	6.73	10.65	10.34	11.04	10.27		10.07
164	Air Station Facilities and Infrastructure rank		1	6	3	4	2	5		
165	Air Station Facilities and Infrastructure difference from mean		1.30	-3.34	0.59	0.27	0.98	0.20		
166	**Expansion, Encroachment and Environment**	12.97	6.13	8.31	7.88	7.45	8.32	7.13		7.54
167	Expansion, Encroachment and Environment rank		6	2	3	4	1	5		
168	Expansion, Encroachment and Environment difference from mean		-1.41	0.78	0.34	-0.08	0.79	-0.41		
169	**Quality of Life**	10.42	4.86	4.23	4.03	4.26	6.80	5.23		4.90
170	Quality of Life rank		3	5	6	4	1	2		
171	Quality of Life difference from mean		-0.04	-0.67	-0.87	-0.64	1.90	0.33		
172	**Demographics**	9.89	4.58	7.87	4.40	3.85	5.13	6.96		5.46
173	Demographics rank		4	1	5	6	3	2		
174	Demographics difference from mean		-0.89	2.41	-1.07	-1.62	-0.34	1.50		
175	**Airfield Maintenance and Unique Facilities**	6.95	3.66	3.66	3.66	3.66	3.29	5.52		3.91
176	Airfield Maintenance and Unique Facilities rank		2	2	2	2	6	1		
177	Airfield Maintenance and Unique Facilities difference from mean		-0.25	-0.25	-0.25	-0.25	-0.62	1.62		
178	**Military/General and Support Missions**	6.77	4.54	4.37	2.57	2.72	3.14	5.58		3.82
179	Military/General and Support Missions rank		2	3	6	5	4	1		
180	Military/General and Support Missions difference from mean		0.72	0.55	-1.25	-1.10	-0.68	1.76		
181	**Training**	3.54	2.25	0.62	0.62	0.62	2.25	2.25		1.43
182	Training rank		1	4	4	4	1	1		
183	Training difference from mean		0.82	-0.82	-0.82	-0.82	0.82	0.82		
184	**Total Military Value**	99.82	64.36	61.99	62.35	50.35	65.03	63.06		61.19
185	**Overall Rank**		2	5	4	6	1	3		
186	Military Value Differential		3.17	0.80	1.16	-10.84	3.84	1.87		
187			WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		

Reserve Air Station Military Value Matrix Responses (Scoring) -- POST AUDIT/PRE BSEC 2/21/95

Calcs	B	C	D	J	K	L	M	N	O	P	Q	R
1					RESRVE	RESRVE	RESRVE	RESRVE	RESRVE	RESRVE		
2					21	22	23	24	25	26		
3	DC #	Q #	Matrix Question	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
34	33	5g	Activity operations or development have not been restricted due to air quality considerations.	0.83	1	1	1	1	1	1		
35	33	4k,m	Base ops or development are not constrained by laws applying to environmental facilities/NPDES.	0.30	1	1	1	1	1	1		
36	33	7j	Activity operations or development plans have not been restricted due to Installation Restoration consi	0.20	1	1	1	1	1	0		
37	33	3b	National Register cultural resources have not restricted operations/development.	0.26	1	1	1	1	1	0		
38	33	1b,e,2	Endangered/threatened species and/or biological habitats have not restricted operations/development.	0.30	1	1	1	1	1	1		
39	33	2c	Jurisdictional wetlands have not restricted operations/development.	0.30	0	1	0	1	1	1		
40	38	36e	Any on-going environmental or airspace litigation is not directed towards base operations.	0.50	1	1	1	1	1	1		
41	16	29a	Unrestricted developable land exceeds 100 acres	0.86	0	1	1	0	0	0		
42	16	12(h)	Does the airspace overlying and adjacent to the air station have the capacity to support additional worl	1.02	1	1	0	1	1	1		
43	16	2h	It is projected that flight operations will remain unaffected by major civilian air traffic structure in the re	1.02	0	0	0	1	0	1		
44	16	1e	No unusual flight pattern or approach restrictions exist at this air station?	0.87	0	0	1	0	1	1		
45	38	6	Are new military missions planned for the air station?	0.27	0	0	0	0	0	0		
46	38	33a	Sortie cancellation rate for weather is never 5% or greater per month.	0.73	0	1	0	1	0	0		
47	38	33a	Instrument Meteorological Conditions (IMC) rate is never 20% or greater per month.	0.73	1	0	0	0	1	0		
48			**Airfield Maintenance and Unique Facilities**	6.95	3.66	3.66	3.66	3.66	4.00	5.52		4.02
49	16	30a	Air station has weapons storage/handling facilities/magazines?	1.17	1	1	1	1	1	1		
50	16	30c	No ESQD waivers exist at this air station?	0.83	1	1	1	1	0	0		
51	16	30e	Air station performs intermediate or organizational level maintenance on ordnance?	0.47	0	0	0	0	1	1		
52	16	19a	The AIMD/MALS supports all T/M/S aircraft stationed at your air station?	1.40	1	1	1	1	1	1		
53	16	18	This air station has an Aircraft Accoustical Enclosure (CCN 211-01)?	0.70	0	0	0	0	0	1		
54	16	18	This air station has a Corrosion Control Hangar (CCN 211-03)?	0.83	0	0	0	0	0	1		
55	16	18	This air station has an Engine Test Cell (CCN 211-81)?	0.71	0	0	0	0	1	1		
56	38	33c	Weather does not have a significant impact on maintenance schedules?	0.25	1	1	1	1	1	1		
57	16	15c	Can the air station berth CVs/CVNs in a cold iron status?	0.39	0	0	0	0	0	0		
58	16	15a&	Can the air station berth air capable combatant ships, including transients, in a cold iron status?	0.20	0	0	0	0	0	0		
59			**Air Station Facilities and Infrastructure**	18.64	11.36	6.73	10.65	10.05	11.57	10.07		10.07
60	16	1a	Does the air station manage (schedule and control) an outlying landing field?	0.98	0	0	0	0	0	0		
61	16	24	Is average MRP more than 1.7 % of CPV over the past 7 years (88-94)	1.37	1	0	0	1	1	0		
62	38	19	Capital Improvements from 88-94 exceeded $11.5M.	0.26	0	0	1	1	0	0		
63	38	19	Capital Improvements from 88-94 exceeded $19M.	0.53	1	0	0	0	0	0		

Reserve Air Station Military Value Matrix Responses (Scoring) -- POST AUDIT/PRE BSEC 2/21/95

Calcs	B	C	D	J	K	L	M	N	O	P	Q	R
1					RESRVE	RESRVE	RESRVE	RESRVE	RESRVE	RESRVE		
2					21	22	23	24	25	26		
3	DC #	Q #	Matrix Question	Weight	WILGRO	S.WEYM	NEWORL	ATLAN	WASH	FT WRTH		Mean
64	38	20a	Planned non-BRAC capital improvements from 94-97 < 10% of CPV	0.53	1	1	0	1	1	1		
65	38	22	Do current administrative support facilities provide capability for future expansion?	0.11	0	1	0	0	0	1		
66	16	23a	Does available PW, gas, electric and sewer supply exceed peak demand?	0.53	1	1	1	1	1	1		
67	67	ENCL	Area cost factor is less than 0.9	0.44	0	0	0	0	0	0		
68	67	ENCL	Area cost factor is between 0.9 and 1.0	0.26	0	0	0	1	0	1		
69	16	2j	Can this air station operate 24 hours a day?	0.29	1	1	1	0	1	1		
70	38,16	1,1b	Runway, taxiway and ramp weight- bearing capacity accommodates all DON aircraft?	0.98	1	1	1	1	1	1		
71	38,16	1,1b	Runway, taxiway and ramp weight- bearing capacity accommodates all MAC aircraft?	0.47	1	1	1	1	1	1		
72	16	17	Hangar Capacity at this air station is at least 5 modules?	1.37	1	0	1	0	0	1		
73	16	17	Hangar Capacity at this air station is at least 8 modules?	1.96	0	0	0	0	1	0		
74	16	17a	Less than 10% of the hangar/maintenance facilities are in inadequate condition?	0.62	1	1	1	1	1	1		
75	16	20a	Less than 10% of the fuel storage facilities are in inadequate condition?	0.62	1	1	1	1	1	1		
76	16	4	The air station has more than one NAVAID used by USN/USMC aircraft?	0.20	1	1	1	1	1	0		
77	38	17 d &	Air station's parallel or dual offset runways permit dual IFR flight operations	0.15	0	0	0	0	1	0		
78	38	17e	The air station has full-length taxiways?	1.37	1	1	1	1	1	1		
79	16	1a	The air station has one runway at least 8000 feet long.	1.96	1	0	1	1	1	1		
80	38	17g	The air station has a crosswind runway?	1.02	0	1	1	0	0	0		
81	16	25b	The BEQ has space for 40% of enlisted population	0.44	0	0	0	0	1	0		
82	16	21d	Use of off base storage at this air station is not required?	0.09	1	0	1	1	1	1		
83	16	1a	There is at least 1 runway you control which has CLZ lighting (FCLP)?	0.78	0	0	0	1	0	0		
84	16	2b	The air station has 50,000 but less than 90,000 flight evolutions per year?	0.44	1	0	0	0	0	0		
85	16	2b	The air station has more than 90,000 flight evolutions per year?	0.87	0	0	1	0	0	1		
86			**Military/General and Support Missions**	6.77	4.54	4.37	2.57	3.45	3.14	5.67		3.96
87	38	10a	Does air station or tenants have any non-DOD support missions?	0.09	1	1	1	0	1	1		
88	38	3a	Are military surveillance operations conducted from the air station?	0.14	1	1	1	0	1	0		
89	38	3a	Air station directly supports area control/surveillance mission (e.g., FACSFAC)?	0.14	0	0	0	0	0	0		
90	16	8	Air station is home station to other DOD components?	0.53	1	0	1	1	1	1		
91	38	28	Air station or tenants have significant agreements to support other DoD, gov't or civilian activities?	0.09	1	1	1	1	0	1		
92	38	9a	Does the air station provide aircraft SAR support to the civilian community?	0.09	0	0	1	0	0	1		
93	38	53	Do active duty personnel have reasonable access to medical/dental care?	0.38	1	0	0	0	1	0		

Fleet & Industrial Supply Centers Military Value Analysis

Data Revisions

ENCL (12)

FISC Military Value Changes

- Certified data call revisions resulted in three changes to military value matrix scoring
- Naval Audit Service review identified one error in data call response which resulted in a revision and two changes to military value matrix scoring
- Naval Audit Service review identified five errors (0.81 %) in military value matrix scoring
- No change in military value ranking
- Fourteen answers in matrix scoring have been clarified but are still awaiting certification

FISC Military Value Changes

- Cheatham Annex
  - line 58... "attainment or maintenance area for CO, ozone, PM10" -- lost 4.51
- Oakland
  - line 43... "specialized material movement facilities" -- lost 1.21
  - line 46... "unique capability for CLF/overseas support" -- lost 2.02
  - line 68... "environmental enhancements for fuel handling exceeded $10M in past 5 years -- lost 1.76
- San Diego
  - line 50... "average MRP more than 1.7% of CPV" -- lost 1.76
  - line 51/52... "capital improvements 1988-1994" -- net loss .76
  - line 53... "planned non-BRAC capital improvemetns less than 10% of CPV" -- gained 1.26

FISC Military Value Changes

- Guam
  - line 53... "planned non-BRAC capital improvemetns less than 10% of CPV" -- lost 1.26
  - line 63... "unrestricted developable land exceeds 50 acres" -- gained 1.25

FISC Military Value Responses (1's & 0's) -- 1/25/95 Post Audit/Pre BSEC

Calcs	D	E	F	O	R	S	T	U	V	W	X	Y	Z	AA
1														
2	DC#	Q#		MV										
3			QUESTIONS	Weight	Norfolk+	Charlesto	Jax	Puget	Oakland	San Diego	Guam	Pearl		Mean
4			OPERATIONS/CUSTOMER SUPPORT SERVICES	41.87	52.96	6.94	22.21	27.74	16.58	25.62	21.01	22.79		21.71
5	15	2	The annual volume of requisitions processed has exceeded 2.25 million.	2.54	1	0	0	0	0	0	0	0		
6	15	2	The annual volume of requisitions processed has been between 1.4 million and 2.25 million	1.78	0	0	0	1	1	1	0	0		
7	15	2	The annual volume of requisitions processed has been between 650K and 1.4 million.	1.02	0	1	1	0	0	0	0	0		
8	40	2a	Is the FISC providing large (>$25K) purchasing services?	1.52	1	1	1	1	1	1	1	1		
9	40	2b	Is the FISC providing small (<$25K) purchasing services?	2.03	1	1	1	1	1	1	1	1		
10	15	3	The annual volume of contracts awarded has exceeded 85,000.	2.54	1	0	0	0	0	0	0	0		
11	15	3	The annual volume of contracts awarded has been between 57,000 and 85,000.	1.78	0	1	0	1	1	1	0	0		
12	15	3	The annual volume of contracts awarded has been between 29,000 and 57,000.	1.02	0	0	1	0	0	0	0	1		
13	40	6a	Does the FISC have a customer service operation?	1.78	1	0	1	1	1	1	1	1		
14	15	8	The total annual volume of fuel issued has exceeded 8 million barrels.	3.57	1	0	0	0	0	0	0	0		
15	15	8	The total annual volume of fuel issued has been between 5 and 8 million barrels.	2.50	0	0	0	1	0	1	0	1		
16	15	8	The total annual volume of fuel issued has been between 1 and 5 million barrels.	1.43	0	0	1	0	1	0	1	0		
17	40	7e	Does the FISC's fuel operation service fleet oilers?	1.43	1	0	0	1	0	1	1	1		
18	40	8a	Does the FISC provide personal property support services?	1.51	1	0	1	1	0	1	1	1		
19	40	12a	Does the FISC support overseas replenishment of ships or overseas activities?	2.54	1	0	0	1	1	0	1	0		
20	40	14a	Does the FISC provide strategic weapons system support?	1.00	1	0	0	1	0	0	0	0		
21	40	1c	Does the FISC perform engineering/technical support/cataloging services?	1.27	1	0	1	1	1	1	1	1		
22	40	1d	Does the FISC perform repairables management services?	1.78	1	0	1	1	0	1	1	1		
23	40	1e	Does the FISC perform non-repairables management services?	1.27	1	0	1	1	1	1	1	1		
24	15	7	Does the FISC provide regional consumer level inventory management services?	2.03	1	0	1	1	0	1	0	1		
25	15	7	Does the FISC provide foreign military sales support?	0.30	1	0	1	1	0	1	0	0		
26	40	11a	Does the FISC have retail store operations (Servmart,Shop Store, Ready Supply Store)?	2.44	1	0	1	1	0	1	1	1		
27	40	3a	Does the FISC provide publication support?	0.20	1	0	1	1	1	1	0	1		
28	40	5a	Does the FISC provide material movement service?	1.02	1	0	1	0	0	1	1	1		
29	40	10a	Does the FISC provide provision support to its customers?	1.02	1	0	1	0	0	1	1	1		
30	40	13a	Does the FISC provide any special project support using a unique capability?	0.61	1	0	1	1	0	0	0	0		
31			OPERATIONAL INFRASTRUCTURE	28.56	25.69	8.74	12.60	15.62	12.53	12.91	9.66	12.55		13.59
32	1	1	Is the FISC part of a major fleet concentration?	3.13	1	0	1	1	0	1	0	1		
33	40	15e	Does the FISC location provide any strategic or geographic advantages?	2.03	1	1	1	1	1	1	1	1		
34	40	15b	Is the FISC within 25 miles of all transportation modes?	1.21	1	1	1	0	1	1	0	0		

FISC Military Value Responses (1's & 0's) -- 1/25/95 Post Audit/Pre BSEC

Calcs	D	E	F	O	R	S	T	U	V	W	X	Y	Z	AA
1														
2	DC#	Q#		MV										
3			QUESTIONS	Weight	Norfolk+	Charlesto	Jax	Puget	Oakland	San Diego	Guam	Pearl		Mean
35	40	15c	Is the FISC serviced by a railroad?	1.43	1	1	1	1	1	1	0	0		
36	15	39	Is the FISC capable of cold iron berthing of general class ships?	0.47	1	0	0	0	1	0	0	0		
37	15	40	Can the FISC berth more than one ship?	0.31	1	1	0	1	1	1	1	1		
38	40	19a	Does the FISC have significant excess covered storage?	0.16	0	1	0	0	1	0	0	1		
39	40	7d	Does the FISC possess unique and specialized fuel operations equipment or facilities?	2.12	1	0	0	1	1	0	0	1		
40	40	8d	Does the FISC possess unique personal property facillities, warehouse space or equipment	3.16	1	0	0	0	0	0	0	0		
41	40	12d	Does the FISC have access to unique facilities or equipment for container loadout?	2.50	1	0	0	0	0	0	0	0		
42	40	12c,d	Does the FISC have acess to unique facilities or equipment for breakbulk loadout?	2.50	1	0	0	0	0	0	0	0		
43	40	5d	Does the FISC possess specialized material movement facilities or equipment?	1.21	1	0	0	0	0	0	0	0		
44	15	26	The average fuel storage capacity out of service has not exceeded 5%?	1.52	0	1	0	0	0	0	1	0		
45	40	11a	Does the FISC operate a hazardous material minimization/reuse center?	2.71	1	0	1	1	1	1	1	1		
46	40	12d	Does the FISC possess a unique capability for providing CLF overseas support?	2.02	1	0	0	0	0	0	0	0		
47	40	31	Do active duty personnel have reasonable access to medical/dental care?	2.09	1	1	1	1	1	1	1	1		
48			BASE INFRASTRUCTURE AND INVESTMENT	7.74	3.52	2.01	3.77	3.27	2.46	2.01	0.75	2.01		2.47
49	40	15a	Is the FISC clear of any contiguous support requirements (police, security, cafeteria, fire pro	0.45	0	0	0	0	1	0	0	0		
50	15	30	Is average MRP more than 1.7% of CPV over the past 7 years (88-94)?	1.76	0	0	1	1	0	0	0	0		
51	40	16a	Capital improvements from 1988 to 1994 exceeded $33 million.	1.51	1	0	0	1	0	0	0	0		
52	40	16a	Capital improvements from 1988 to 1994 exceeded $10 million.	0.75	0	1	0	0	1	1	1	1		
53	40	17a	Planned non-BRAC capital improvements from 1994-1997 are less than 10% of CPV	1.26	1	0	1	0	1	1	0	1		
54	67	4	Area cost factor is less than 0.9	1.26	0	1	0	0	0	0	0	0		
55	67	4	Area cost factor is between 0.9 and 1.0	0.75	1	0	1	0	0	0	0	0		
56			EXPANSION, ENCROACHMENT AND ENVIRONMENT	15.20	6.51	3.40	6.51	12.70	6.88	2.05	11.38	8.98		7.10
57	40	18b	Are there no encroachments at the base that restrict current operations?	0.62	1	1	1	0	1	1	1	1		
58	33	5b	Activity is in an "attainment" or "maintenance" area for CO, Ozone, PM10.	4.51	0	0	0	1	0	0	1	1		
59	33	5g	Activity operations or development plans not restricted due to air quality considerations.	1.82	1	0	1	1	1	0	1	1		
60	33	7j	Activity operations or development plans have not been restricted due to Installation Restor	0.41	1	0	1	1	0	1	1	1		
61	33	3b,c	National register cultural resources have not restricted operations/development.	0.75	1	0	1	1	0	0	1	0		
62	33	1b,e	Ops/Devel plans not constrained by endangered/threatened species or wetlands.	0.62	1	1	1	1	1	1	0	1		
63	15	37	Unrestricted developable land exceeds 50 acres.	1.25	1	0	1	0	0	0	1	0		
64			Does the activity have any specific capabilities for handling/disposing of hazardous waste/m	2.01	0	0	0	1	1	0	1	0		
65	40	18c	Is the FISC clear of environmental restrictions for expansion?	0.63	1	0	1	0	0	0	0	0		

FISC Military Value Responses (1's & 0's) -- 1/25/95 Post Audit/Pre BSEC

Calcs	D	E	F	O	R	S	T	U	V	W	X	Y	Z	AA
1														
2	DC#	Q#		MV										
3			QUESTIONS	Weight	Norfolk+	Charleste	Jax	Puget	Oakland	San Dieg	Guam	Pearl		Mean
66	40	34	Is the FISC clear of any weather impacts?	0.40	1	1	1	1	1	1	0	1		
67	40	15d	Is the FISC clear of restrictive explosive quantity standard limitations?	0.41	0	0	0	1	1	0	0	0		
68	40	16a	Have environmental enhancements for fuel handling systems exceeded $10 million dollars	1.76	0	1	0	1	0	0	0	0		
69			QUALITY OF LIFE	0.63	4.09	5.33	5.18	5.63	1.39	3.79	3.23	3.09		3.97
70	40	26	Is there sufficient off base housing?	1.00	1	1	1	1	0	1	0	0		
71	40	21	Does the FISC/host base have more than 90% of listed MWR facilities?	1.00	0	0	0	0	0	0	0	0		
72	40	29b	Are there educational opportunities at all college levels within a 30 mi radius?	1.39	1	1	1	1	1	1	1	1		
73	40	29b	Are college education courses available at the FISC/host base?	1.39	1	1	1	1	0	1	1	1		
74	40	28	Do >50% of site military and civilian personnel live within 30 minutes commute?	1.39	0	1	1	1	0	0	0	0		
75	Nat'l		Is the violent crime rate less than 758 per 100,000?	0.15	1	0	0	1	0	0	1	1		
76	Crim		Is the drug crime rate less than 402 per 100,000?	0.15	1	1	0	1	0	0	1	1		
77	Stats		Is the property crime rate less than 4902 per 100,000?	0.15	0	0	0	1	0	0	1	0		
78					73.36	25.83	50.26	63.15	37.85	46.39	45.03	48.81		48.835

FISC Military Value Rankings -- 1/25/95 Post Audit/Pre BSEC

Calcs	F	O	R	S	T	U	V	W	X	Y	Z	AA
89		MV										
90	**Military Value Area**	Weight	Norfolk+	Charlesto	Jax	Puget	Oakland	San Diego	Guam	Pearl		Mean
91	**Operations/Customer Support Services**	41.87	32.36	6.34	22.21	27.74	15.58	25.62	21.01	22.79		21.71
92	Operations/Customer Support Services rank		1	8	5	2	7	3	6	4		
93	Operations/Customer Support Services difference from mean		10.65	-15.36	0.50	6.03	-6.12	3.92	-0.70	1.08		
94	**Operational Infrastructure**	28.56	26.89	8.74	12.60	13.82	12.53	12.91	8.66	12.55		13.59
95	Operational Infrastructure rank		1	7	4	2	6	3	8	5		
96	Operational Infrastructure difference from mean		13.30	-4.84	-0.99	0.23	-1.06	-0.68	-4.93	-1.04		
97	**Base Infrastructure and Investment**	7.74	3.52	2.01	3.77	3.27	2.46	2.01	0.75	2.01		2.47
98	Base Infrastructure and Investment rank		2	5	1	3	4	5	8	5		
99	Base Infrastructure and Investment difference from mean		1.04	-0.46	1.29	0.79	-0.01	-0.46	-1.72	-0.46		
100	**Expansion, Encroachment and Environment**	15.20	6.51	3.40	6.51	12.70	5.88	2.05	11.38	8.38		7.10
101	Expansion, Encroachment and Environment rank		4	7	4	1	6	8	2	3		
102	Expansion, Encroachment and Environment difference from mean		-0.59	-3.70	-0.59	5.60	-1.22	-5.05	4.28	1.28		
103	**Quality of Life**	6.63	4.09	5.33	5.18	5.63	1.39	3.79	3.23	3.08		3.97
104	Quality of Life rank		4	2	3	1	8	5	6	7		
105	Quality of Life difference from mean		0.12	1.37	1.22	1.66	-2.57	-0.17	-0.74	-0.88		
106	**Total Military Value**	100	73.36	25.83	50.26	63.15	37.85	46.39	45.03	48.81		48.83
107	Overall Rank		**1**	**8**	**3**	**2**	**7**	**5**	**6**	**4**		
108	Military Value Differential		24.53	-23.01	1.43	14.32	-10.99	-2.45	-3.81	-0.02		
109			Norfolk+	Charlesto	Jax	Puget	Oakland	San Diego	Guam	Pearl		

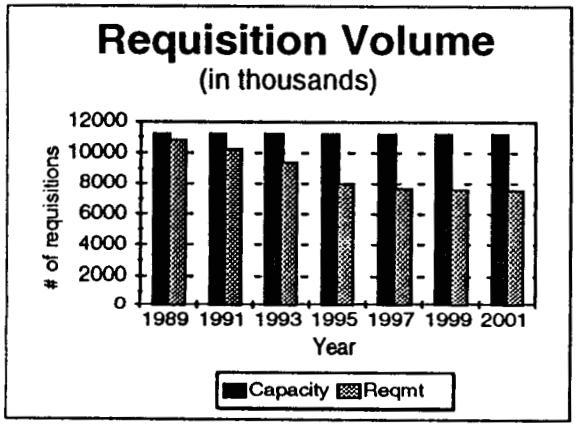
Fleet & Industrial Supply Center Capacity Analysis

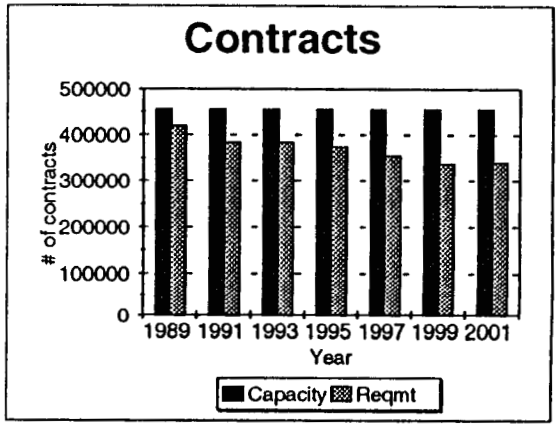
ENCL (13)

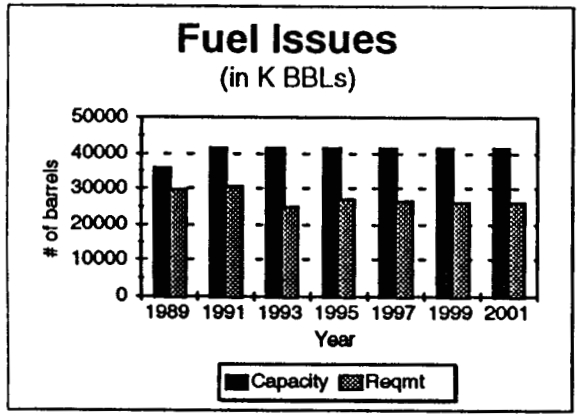
Capacity Measures

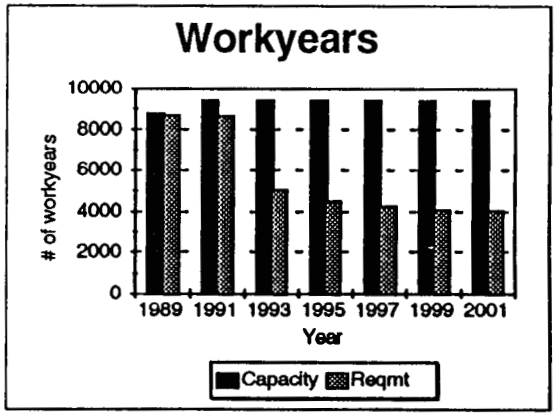
- **Capacity** is historic "high water mark"in 4 areas from capacity data call
  - requisition volume
  - contracts
  - fuel
  - workyears
- **Requirement** is direct lift from activity projections in capacity data call

Capacity Analysis Summary









The Answer:

Excess capacity does exist

Requisition Volume

Capacity in 2001:	11,205 K
Requirement:	7,535 K
Percent excess:	33%

Contracts

Capacity in 2001:	455,641
Requirement:	341,553
Percent excess:	25%

Fuel Issues

Capacity in 2001:	41,777 K BBLs
Requirement:	26,261 K BBLs
Percent excess:	37%

Workyears

Capacity in 2001:	9,423
Requirement:	4,069
Percent excess:	57%

Recommendation

- Conclude that excess capacity does exist
- Proceed with military value analysis

Scenario		Issue
Accepted	Rejected	
16D	14/14D/15 15D/16	All ROICC billets identified as relocations will be eliminated
	15/15D	MILCON identified for NAS Norfolk is outside the BRAC process
16D	15/15D/16	New BOQ at Pensacola eliminated due to existing excess capacity
16D	14/14D/15	AOB for determining SF at new BEQ will be actual AOB vice AOB + 20%

ENCL (14)

FLEET ACTIVITIES

A6/7 FCTCP changed from 0 to 1 (courses taught and number of students) Plus 3.12

A10 ASWPAC changed from 1 to 0 (student numbers) Minus 2.17

A20 FCTCP changed from 0 to 1 (student numbers) Plus .72

A20 FTCN changed from 1 to 0 (student numbers) Minus .72

A20 ASWPAC changed from 0 to 1 (student numbers) Plus .72

A23 ASWPAC changed from 0 to 1 (student numbers) Plus .24

A25 FCTCL changed from0 to 1 (student numbers) Plus .72

A25 FTCSD changed from 1 to 0 (student numbers) Minus .72

A25 ASWPAC changed from 0 to 1 (Student numbers)Plus .72

A25 FMWTC changed from 0 to 1 (student numbers Plus .72

A26 FCTCP changed from0 to 1 (student numbers) Plus .24
same for FTCNor, FTCSD

A26 ASWPAC and FMWTC changed from 1 to 0 Minus .24

B9 FTC SD changed from 1 to 0 (no local agencies supported) Minus 0.13

C12 FCTCLANT changed from 0 to 1 (facilities adequate) Plus 0.34

D7 FTC Norfolk changed from 1 to 0 (90% of facilities not adequate)
Minus 0.11

E1 FTCSD changed from 1 to 0 (MRP numbers) Minus .69

F1 FCTCL changed from 1 to 0 (student numbers) Minus 1.21

G7 FTCNor changed from 0 to 1 (restrictions,environ) Plus .27

H9 FCTCLANT changed from 1 to 0 (BOQ occupancy more than 90%) Minus 0.69

H11 TRITRAFAC Bangor changed from 1 to 0 (does not have 90% of MWR facilities)
Minus 0.80

ENCL (15)

	Initial	Audited
TTFB	48.85	48.04
TTFKB	46.71	47.56
FCTCL	51.55	51,44
FCTCP	38.69	42.06
FTCNor	46.96	46.39
FTCMP	42.37	42.61
FTCSD	45.05	43.75
ASWL	33.82	33.22
ASWP	48.82	47.42
AMPHIBLC	43.05	42.18
AMPHIBCo	46.67	44.54
FMWTC	41.11	41.59

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impor	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	I 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses TTF B	TTF KB	FCTCL	FCTCP	FTC Nor	FTC May	FTC SD	ASW L	ASW P	EWTC L	EWTC P	FMWTC
					FORMAL TRAINING MISSION							49 13												
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2 41		0	0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1 92		0	0	0	0	0	0	0	0	0	0	0	0
1				A3	Is annual throughput > 2003 students?	1	1	0	1	9	2 17		0	0	0	0	0	0	0	0	0	0	0	0
2				A4	Is annual throughput > 233 students?	1	1	0	1	6	1 44		0	0	0	0	0	0	0	0	0	0	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0 19		0	0	0	0	0	0	0	0	0	0	0	0
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ , NPGS)	1	1	0	1	7	1 68		1	1	0	1	1	1	0	0	0	0	1	0
2				A7	Is annual throughput > 1955 students?	1	1	0	1	6	1 44		0	0	0	1	0	1	0	0	0	0	1	0
3				A8	Is annual throughput > 652 students?	1	1	0	1	3	0 72		1	1	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools Sub School, etc)	1	1	0	1	9	2 17		0	0	1	0	0	0	0	0	1	1	0	1
1				A10	Is annual throughput > 4751 students?	1	1	0	1	8	1 92		0	0	0	0	0	0	0	0	0	0	0	0
2				A11	Is annual throughput > 1387 students?	1	1	0	1	5	1 20		0	0	1	0	0	0	0	0	0	0	0	0
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1 92		0	0	1	0	0	0	0	0	0	1	1	0
1				A13	Is annual throughput > 1004 students?	1	1	0	1	7	1 68		0	0	0	0	0	0	0	0	0	0	0	0
2				A14	Is annual throughput > 178 students?	1	1	0	1	4	0 96		0	0	1	0	0	0	0	0	0	0	0	0
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications Electronics school, etc)	1	1	0	1	7	1 68		1	1	1	1	1	1	1	0	1	1	1	1
2				A16	Is annual throughput > 4480 students?	1	1	0	1	6	1 44		0	0	0	0	1	0	1	0	0	0	0	0
3				A17	Is annual throughput > 258 students?	1	1	0	1	3	0 72		1	1	1	1	0	0	0	0	1	1	1	1
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1 68		1	1	1	0	1	0	1	0	1	1	1	0
2				A19	Is annual throughput > 542 students?	1	1	0	1	6	1 44		0	0	0	0	0	0	0	0	0	0	0	0
3				A20	Is annual throughput > 93 students?	1	1	0	1	3	0 72		1	1	1	0	0	0	1	0	1	1	1	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1 59		1	1	1	1	1	1	1	1	1	1	1	1
3				A22	Is annual throughput > 11355 students?	1	1	0	1	3	0 72		0	0	0	0	1	0	1	0	0	0	0	0
3				A23	Is annual throughput > 1606 students?	1	1	0	1	1	0 24		1	1	1	1	0	1	0	1	1	1	1	1
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1 59		1	1	1	1	1	1	1	1	1	1	1	1
3				A25	Is annual throughput > 1988 students?	1	1	0	1	3	0 72		0	0	1	0	1	0	0	1	1	0	1	1
3				A26	Is annual throughput > 529 students?	1	1	0	1	1	0 24		1	1	0	1	0	1	1	0	0	1	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2 38		1	1	1	1	1	1	1	1	1	1	1	1
2				A28	Is annual throughput > 8563 students?	1	1	0	1	5	1 20		0	0	0	1	1	0	1	0	0	0	0	0
3				A29	Is annual throughput > 2729 students?	1	1	0	1	2	0 48		1	1	0	0	0	1	0	0	0	0	1	1
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3 97		0	0	0	0	0	0	0	0	0	0	0	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0 69		0	0	0	0	0	0	0	0	0	0	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0 52		0	0	0	0	0	0	0	0	0	0	0	0
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0 87		0	0	0	0	0	0	0	0	0	0	0	0

TRAINING CENTERS AND SCHOOLS 08-Feb-95

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2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	0	1	0	1	1
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	0	1	0	0	1
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	0	1	0	0	0	0	0	0	0	0	0
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		1	1	1	1	0	1	0	0	1	0	0	1
					OTHER SUPPORT MISSIONS							3.97	0	0	0	0	0	0	0	0	0	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	0	1	0	0	0	0	0	0	0	0	0
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		0	0	1	1	1	1	1	0	1	1	1	0
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	1	1	1	1	1	0	1	0	0	0
3	23	13	C1	B4	Are non-relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	0	0	0	0	0	0	0	0	0	0
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		0	0	0	0	0	0	0	0	0	0	0	0
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	0	0	0	0	0	0	0	0	0	0
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		0	0	0	0	0	0	0	0	0	0	0	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		1	1	1	0	0	0	0	0	0	0	0	0
3	23	14	D2	B9	Are local civilian, governmental or military agencies supported?	1	0	0	0	1	0.13		0	0	1	0	0	1	0	0	0	0	0	0
3	23	14	D3	B10	Are new civilian or other non-DoD missions planned?	1	0	0	0	1	0.13		0	0	0	0	0	0	0	0	0	0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							10.38	0	0	0	0	0	0	0	0	0	0	0	0
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		0	0	1	1	0	0	0	0	1	0	0	0
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF s) available?	1	1	0	0	3	0.58		1	1	1	1	1	1	1	1	1	0	1	1
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	1	1	1	1	1	1	1	1	1	1	1
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		1	0	1	0	1	1	1	0	0	0	0	1
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	1	1	1	1	1	1	0	1	1	1	1
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		1	1	0	0	1	0	0	0	0	0	0	1
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		1	1	1	1	1	1	1	1	1	1	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		1	1	0	0	0	1	0	0	0	0	1	0
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom lab)	0	1	0	1	6	0.69		1	1	0	1	0	1	1	1	1	1	1	1
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		1	1	1	1	1	0	0	1	1	1	1	1
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		0	1	1	0	0	0	0	0	1	1	1	1
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
2	23	19	F1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		1	0	1	0	1	0	0	0	0	1	0	0
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		0	0	0	0	0	0	0	0	0	0	0	0
					OTHER FACILITIES							2.36	0	0	0	0	0	0	0	0	0	0	0	0

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impor	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses TTF B	TTF KB	FCTCL	FCTCP	FTC Nor	FTC May	FTC SD	ASW L	ASW P	EWTC L	EWTC P	FMWTC
3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0.22		1	1	0	0	1	1	1	1	0	1	0	1
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0.77		0	0	1	1	0	0	0	0	1	1	0	0
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum utilization?	0	1	0	1	3	0.34		0	0	1	1	0	0	0	0	1	1	0	0
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0.23		0	0	0	0	0	0	0	0	0	0	0	0
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0.48		0	0	0	0	0	0	0	0	0	0	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0.19		0	0	1	1	0	0	1	0	1	0	0	0
3	23	32	K1	D7	Are >50% of listed facilities in adequate condition?	0	1	0	1	1	0.11		1	1	1	1	0	1	1	0	1	1	1	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							3.33	0	0	0	0	0	0	0	0	0	0	0	0
1	46	18	11.4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0.69		0	0	1	0	0	0	0	0	0	0	0	0
2	46	21	11.4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1.15		0	0	0	0	0	0	0	0	0	0	0	0
1	46	21	11.5	E3	Are non-BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0.69		1	1	0	1	1	0	1	1	1	1	1	1
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0.80		0	0	0	0	0	0	0	0	1	0	0	0
					LOCATION							8.76	0	0	0	0	0	0	0	0	0	0	0	0
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1.21		1	1	0	1	1	1	1	1	1	0	1	1
2	23	40	4	F2	Do >50% of graduates have a permanent duty station <50 miles from the Training Facility?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	0	1	1
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0.87		0	0	1	1	0	0	0	0	0	0	0	0
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1.39		1	1	1	1	1	1	1	1	1	1	1	1
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1.39		1	1	1	1	1	1	1	1	1	1	1	1
1	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0.85		1	1	1	1	1	1	1	1	1	1	1	1
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0	0
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1.16		0	0	1	1	1	1	1	1	1	1	1	0
					ENCROACHMENT, ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							8.96	0	0	0	0	0	0	0	0	0	0	0	0
2	33	3	1 b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	0	0	1
2	33	5	2 c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0.40		1	1	0	1	1	1	1	1	1	0	0	1
2	33	6	3 b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	1	1	1
2	33	9	4 m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0.40		1	1	1	1	1	1	1	1	1	1	1	1
2	33	10	5 b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM 10?	0	1	0	0	4	0.27		1	1	0	0	0	0	0	0	0	0	0	1
2	33	12	5 g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0.27		1	1	1	1	1	1	0	1	1	1	1	1
2	33	16	7 j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0.27		1	1	1	1	1	0	1	1	1	1	0	1
3	33	19	8 h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0.13		1	1	1	1	1	1	1	1	1	0	0	1
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1.97		1	1	1	1	1	1	1	1	1	1	1	1
3	23	67	F1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1.34		1	0	1	1	1	1	1	1	1	1	1	0
3	23	67	F2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0.41		1	1	1	0	0	1	0	0	0	0	0	1
2	23	67	F3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc.) accommodate future expansion?	0	1	1	0	7	1.56		1	1	1	0	0	1	1	0	1	1	1	1

TRAINING CENTERS AND SCHOOLS 08-Feb-95

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2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		1	1	1	0	1	1	0	1	0	1	0	1
					QUALITY OF LIFE							13.11	0	0	0	0	0	0	0	0	0	0	0	0
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		0	0	0	1	1	0	1	1	1	1	1	0
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		1	1	0	1	1	1	1	1	1	1	1	1
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		0	0	0	0	0	0	0	0	0	0	0	0
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		1	1	1	0	0	1	0	0	0	0	0	1
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		0	1	1	0	0	1	0	0	1	1	1	1
1	23	46	D1(b)(1)	H6	Are 50% of BEQ rooms adequate?	0	1	0	1	8	0.92		1	1	0	0	0	1	1	0	1	0	0	1
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		0	1	0	0	1	1	1	1	1	1	1	0
1	23	47	D1(c)(1)	H8	Are 50% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	1	1	0	1	1	1	1	0	1	1	0
2	23	48 49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		0	0	1	0	1	0	1	1	0	0	0	0
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0	0
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		0	0	0	0	0	1	0	0	0	0	0	0
3	23	50	D4	H12	Are >50% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	1	0	0	1	1	0	1	0	0	0	0
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	1	1	0	1	1	1	1	1	1	0	1
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		1	1	0	0	1	1	1	1	0	1	0	0
1	23	52 55	D6 D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		1	1	1	1	1	0	1	1	1	1	1	0
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1	1	1	1	1	1	1	1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	0	1	1	1	1	1	1	1	1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30 mile radius?	0	0	0	1	1	0.05		1	0	1	1	1	1	1	1	1	1	1	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	1	0	1	1	1	1	0	1	1	1
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	1	1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	0	1	1	1	1	1	1	1	1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.05		1	1	1	0	1	0	0	1	0	1	0	0
3	23	61-66	D14	H24	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.05		1	1	0	0	0	0	0	0	0	0	0	0
3	23	61-66	D14	H25	Is the drug crime rate <102/100,000?	0	0	0	1	1	0.05		1	1	1	0	1	0	0	1	0	1	0	0
													48.04	47.56	51.44	42.06	46.39	42.61	43.75	33.22	47.42	42.18	44.54	41.59

	TTF B	TTF KB	FCTCL	FCTCP	FTC Nor	FTC May	FTC SD	ASW L	ASW P	EWTC L	EWTC P	FMWTC
FORMAL TRAINING MISSION	17.94	17.94	21.96	16.98	17.94	13.22	16.50	7.44	17.70	15.86	18.95	15.78
OTHER SUPPORT MISSIONS	0.38	0.38	1.44	0.66	0.66	0.79	0.66	0.00	0.66	0.28	0.28	0.00
TRAINING FACILITIES, EQUIPMENT AND ARE	6.15	5.92	4.54	4.31	4.77	3.42	2.73	2.77	4.65	3.76	4.57	5.35
OTHER FACILITIES	0.34	0.34	1.42	1.42	0.22	0.34	0.53	0.22	1.42	1.45	0.11	0.22

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					MAINTENANCE, REPAIR, AND EQUIPMENT E								0.69	0.69	0.69	0.69	0.69	0.00	0.69	0.69	1.49	0.69	0.69	0.69
					LOCATION								5.87	5.87	6.68	7.90	7.03	7.03	7.03	7.03	7.03	4.78	7.03	5.87
					ENCROACHMENT, ENVIRONMENTAL ISSUES								8.96	7.62	8.29	5.60	6.72	8.42	6.90	6.72	7.17	7.34	5.96	7.62
					QUALITY OF LIFE								7.71	8.80	6.40	4.50	8.35	9.39	8.72	8.35	7.29	8.01	6.96	6.06
					Total:								48.04	47.56	51.44	42.06	46.39	42.61	43.75	33.22	47.42	42.18	44.54	41.59

EDUCATION TRAINING CENTERS -- changes/clarifications since last brief to BSEC

PIPELINE (NON-FLEET) ACTIVITIES

A3/4 NETC Newport changed from 1 to 0 (numbers of students) Minus 3.61

A8 NATTC changed from 1 to 0 (student numbers) Minus .72

A12 NETC Newport changed from 0 to 1 (courses taught) Plus 1.92

A14 NETC Newport changed from 0 to 1 (number of students) Plus 1.92

A24 NTTC Corry Station changed to 0 to 1 (FO taught) Plus 1.59

A29 NETC Newport changed from 1 to 0 (student numbers) Minus .48

A38 SUBSCHOOL changed from 1 to 0 (no correspondence courses) Minus 0.17

B7 SUBSCHOOL changed from 1 to 0 (no new missions) Minus 0.38

C5 SWOS changed from 0 to 1 (LSD 41 trainer special) Plus 0.77

H6 NTTC Corry Station changed from 1 to 0 (Tenant of NAS Pensacola; housing does not meent amentities percentage) Minus 0.69

H6 NATTC changed from 1 to 0 (same as above for NAS Pensacola) Minus 0.69

H7 SUBSCHOOL changed from0 to 1 (BEQ occupancy less than 90%) Plus 0.92

H15 AEGIS changed from 0 to 1 (20 on waiting list) Plus 0.69

H17 NAB changed from 1 to 0 (none of facilities are adequate) Minus 0.69

H15 NAB changed from 1 to 0 (381 on waiting list) Minus 0.69

	Initial	**Audited**
SWOS	40.43	40.83
SUP	37.06	37.06
SUB	57.80	58.17
NETC	50.54	51.85
NTTCC	42.77	43.66
NTTCM	31.07	31.07
NATTC	41.91	39.16
AEGIS	27.32	28.01
MCCDC	48.18	47.92

ENCL (16)

MCAGCC	53.22	53.22
NAB	52.73	52.00

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					FORMAL TRAINING MISSION							49.13											
1	23	5	A1	A1	Is recruit training conducted?	1	1	0	1	10	2.41		0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A2	Is officer acquisition training conducted?	1	1	0	1	8	1.92		0	0	0	1	0	0	0	0	1	0	0
1				A3	Is annual throughput > 2003 students?	1	1	0	1	9	2.17		0	0	0	0	0	0	0	0	1	0	0
2				A4	Is annual throughput > 233 students?	1	1	0	1	6	1.44		0	0	0	1	0	0	0	0	0	0	0
3	23	5	A1	A5	Are other enlisted commissioning programs conducted?	0	0	0	1	4	0.19		0	0	0	1	0	0	0	0	0	0	0
2	23	5	A1	A6	Is professional development education training conducted? (NWC, Marine Corps Univ., NPGS)	1	1	0	1	7	1.68		1	0	1	1	1	0	1	0	1	1	1
2				A7	Is annual throughput > 1955 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	1	0	1
3				A8	Is annual throughput > 652 students?	1	1	0	1	3	0.72		0	0	0	1	0	0	0	0	0	1	0
1	23	5	A1	A9	Is enlisted initial skills training conducted? ("A" schools, MOS schools, Sub School, etc)	1	1	0	1	9	2.17		0	0	1	0	1	1	1	0	1	1	1
1				A10	Is annual throughput > 4751 students?	1	1	0	1	8	1.92		0	0	1	0	1	0	1	0	0	1	0
2				A11	Is annual throughput > 1387 students?	1	1	0	1	5	1.20		0	0	0	0	0	1	0	0	0	0	1
1	23	5	A1	A12	Is officer initial skills training conducted? (SWOS Division Officer, The Basic School, etc)	1	1	0	1	8	1.92		1	1	1	1	1	0	0	0	1	1	1
1				A13	Is annual throughput > 1004 students?	1	1	0	1	7	1.68		0	0	0	0	0	0	0	0	1	0	0
2				A14	Is annual throughput > 178 students?	1	1	0	1	4	0.96		0	1	1	1	1	0	0	0	0	0	1
2	23	5	A1	A15	Is enlisted skill progression training conducted? ("C" schools, Communications-Electronics school, etc)	1	1	0	1	7	1.68		0	1	1	0	1	1	1	1	1	1	1
2				A16	Is annual throughput > 4460 students?	1	1	0	1	6	1.44		0	0	0	0	0	0	0	0	0	0	0
3				A17	Is annual throughput > 258 students?	1	1	0	1	3	0.72		0	1	1	0	1	0	1	1	1	1	1
2	23	5	A1	A18	Is officer skill progression training conducted? (PCO/PXO, Infantry Officer course, etc)	1	1	0	1	7	1.68		1	1	1	1	1	0	1	1	1	1	1
2				A19	Is annual throughput > 542 students?	1	1	0	1	6	1.44		1	1	0	0	0	0	0	1	1	0	0
3				A20	Is annual throughput > 93 students?	1	1	0	1	3	0.72		0	0	1	1	1	0	0	0	0	0	0
3	23	5	A1	A21	Is enlisted functional training conducted? (Fire fighting, Drill Instructor school, etc)	1	1	1	1	4	1.59		1	1	1	1	1	1	1	0	1	0	1
3				A22	Is annual throughput > 11355 students?	1	1	0	1	3	0.72		0	0	0	0	0	0	0	0	0	0	0
3				A23	Is annual throughput > 1606 students?	1	1	0	1	1	0.24		0	0	1	1	0	0	0	0	0	0	0
3	23	5	A1	A24	Is officer functional training conducted? (AEGIS, Fire fighting, etc)	1	1	1	1	4	1.59		1	1	1	1	1	0	0	0	1	0	1
3				A25	Is annual throughput > 1988 students?	1	1	0	1	3	0.72		0	1	0	1	0	0	0	0	0	0	0
3				A26	Is annual throughput > 529 students?	1	1	0	1	1	0.24		0	0	1	0	0	0	0	0	0	0	0
2	23	5	A1	A27	Is functional team training conducted? (Damage Control team training, AEGIS team training, etc)	1	1	1	1	6	2.38		0	0	1	1	0	0	1	0	0	0	0
2				A28	Is annual throughput > 856 students?	1	1	0	1	5	1.20		0	0	1	0	0	0	0	0	0	0	0
3				A29	Is annual throughput > 2725 students?	1	1	0	1	2	0.48		0	0	0	0	0	0	0	0	0	0	0
1	23	5	A1	A30	Are Combined Arms Exercises conducted?	1	1	1	1	10	3.97		0	0	0	0	0	0	0	0	0	1	0
3	23	6	A3(a)	A31	Are undergraduate degrees granted?	1	0	0	1	4	0.69		0	0	0	0	0	0	0	0	0	0	0
3	23	7	A3(b)	A32	Are graduate degrees granted?	1	0	0	1	3	0.52		0	0	0	0	0	0	0	0	0	0	0
2	23	7	A3(d)	A33	Are degrees granted that cannot be obtained elsewhere?	1	0	0	1	5	0.87		0	0	0	0	0	0	0	0	0	0	0

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2	23	8	A4	A34	Is an officer training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	0	1	1	1	1	1
2	23	8	A4	A35	Is an enlisted training course single sited at the installation?	1	1	0	0	6	1.16		1	1	1	1	1	1	1	1	1	1	1
3	23	9	A5(a)	A36	Are courses taught that utilize classified resources?	1	1	0	0	3	0.58		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	A37	Is training conducted by Mobile Training Teams?	1	0	0	1	2	0.35		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	A38	Are correspondence or non-resident courses administered?	1	0	0	1	1	0.17		0	1	0	1	0	0	0	0	1	0	0
2	23	11	A10	A39	Can course/CAX training be completed without utilizing facilities at other locations?	1	1	0	0	5	0.97		0	1	0	0	1	1	1	0	0	0	0
					OTHER SUPPORT MISSIONS							3.97	0	0	0	0	0	0	0	0	0	0	0
3	23	12	B1	B1	Are facilities utilized by ground combat units?	1	0	1	0	1	0.28		0	0	0	0	0	0	0	0	1	1	1
3	23	12	B2	B2	Are facilities utilized by active, reserve, or guard units?	1	0	1	0	1	0.28		0	0	1	1	0	0	0	0	1	1	1
3	23	12	B3	B3	Is local area unit or battle group level training supported by either the installation or tenants?	1	0	0	0	3	0.38		0	0	1	0	0	0	0	0	0	1	1
3	23	13	C1	B4	Are non relocatable RDT&E projects or funded studies currently active?	0	0	0	1	1	0.05		0	0	0	0	0	0	0	0	1	1	0
2	23	13	C2	B5	Are wartime logistics and mobilization requirements supported?	1	0	1	0	4	1.13		0	0	0	0	0	0	0	0	1	1	1
3	23	13	C3	B6	Are other military support missions currently conducted at/from this installation?	1	0	1	0	3	0.85		0	0	1	0	1	0	0	0	1	1	1
3	23	13	C4	B7	Are any new military missions planned for this installation?	1	0	0	0	3	0.38		0	0	0	1	0	0	0	0	0	1	0
3	23	14	D1	B8	Are disaster assistance, search and rescue, or local evacuation plans supported?	1	0	0	0	3	0.38		0	1	1	0	0	1	0	1	1	1	1
3	23	14	D2	B9	Are local civilian governmental or military agencies supported?	1	0	0	0	1	0.13		1	1	1	1	1	1	0	0	1	1	1
3	23	14	D3	B10	Are new civilian or other non DoD missions planned?	1	0	0	0	1	0.13		0	0	0	0	0	0	0	0	0	0	0
					TRAINING FACILITIES, EQUIPMENT AND AREAS							10.38	0	0	0	0	0	0	0	0	0	0	0
2	23	9	A5(b)	C1	Does the installation have an approved SCIF?	1	1	0	0	4	0.77		1	0	1	0	1	0	0	1	0	1	0
3	23	9	A5(c)	C2	Are secure classrooms/labs (other than SCIF's) available?	1	1	0	0	3	0.58		1	0	1	1	1	0	1	1	1	1	1
3	23	9	A5(e)	C3	Are current facilities adequate to support courses that use classified material?	1	1	0	0	2	0.39		1	1	1	1	1	0	1	1	1	1	1
3	23	9	A6	C4	Are Video Teletraining facilities present?	0	1	0	1	1	0.11		0	0	0	0	0	0	0	0	0	0	1
2	23	10	A8	C5	Are courses taught that require special facilities?	1	1	0	0	4	0.77		1	1	1	1	1	0	1	1	1	1	1
1	23	10	A8	C6	Are courses taught that require unique facilities?	1	1	0	0	7	1.35		0	0	1	0	0	0	0	0	1	1	0
3	23	11	A9	C7	Is course/CAX training completed without waivers granted for inadequate facilities?	1	1	0	0	1	0.19		1	1	1	0	1	1	1	1	1	1	1
1	23	15	A1	C8	Are >90% of CCN 171-10 facilities adequate? (academic classrooms)	0	1	0	1	6	0.69		0	1	0	1	0	0	0	0	0	0	1
1	23	16	B1	C9	Are >90% of CCN 171-20 facilities adequate? (applied instruction classroom lab)	0	1	0	1	6	0.69		1	0	1	1	1	1	1	1	0	1	1
1	23	17	C1	C10	Are >90% of CCN 171-35 facilities adequate? (operational trainers)	0	1	0	1	8	0.92		1	1	1	1	0	0	1	0	0	1	1
1	23	18	D1	C11	Are >90% of CCN 171-60 facilities adequate? (recruit processing bldg)	0	1	0	1	6	0.69		0	0	0	0	0	0	0	0	0	0	0
3	23	18	D1	C12	Are >90% of all other CCN 171 facilities listed adequate? (training bldg)	0	1	0	1	3	0.34		1	0	1	1	1	0	0	0	0	0	1
2	23	19	E1	C13	Are >90% of CCN 179-55 facilities adequate? (combat training pool/tank)	0	1	0	1	6	0.69		0	0	0	1	0	0	0	0	0	1	1
2	23	19	F1	C14	Are >90% of all other CCN 179 facilities listed adequate? (training facilities other than bldgs)	0	1	0	1	4	0.46		0	0	0	1	1	1	1	0	0	1	0
1	23	21	G1	C15	Is >90% of training area total acreage available for normal usage?	1	1	0	0	9	1.74		0	0	0	0	0	0	0	0	0	1	1
					OTHER FACILITIES							2.36	0	0	0	0	0	0	0	0	0	0	0

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impor	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	MCCDC	MCAGCC	NAB
3	23	22	H1	D1	Are ship berthing facilities available?	0	1	1	0	1	0 22		1	0	1	1	0	0	0	0	0	0	1
2	23	28	I2	D2	Are there weapons handling and storage facilities?	1	1	0	0	4	0 77		0	0	1	1	1	0	0	0	1	1	1
3	23	30	I4	D3	Are weapons/munitions storage facilities free of restrictions that prevent maximum utilization?	0	1	0	1	3	0 34		0	0	1	1	1	0	0	0	0	1	1
3	23	42	C3	D4	Does the installation's armory have an automated weapon retrieval system?	0	1	0	1	2	0 23		0	0	0	0	0	0	0	0	0	0	0
3	23	31	J1	D5	Does installation plant account include an operational airfield?	1	1	0	1	2	0 48		0	0	0	0	0	0	0	0	1	0	0
3	23	31	J2	D6	Are there facilities/equipment that play a special role in military operations?	1	1	0	0	1	0 19		0	0	0	1	0	0	0	0	0	0	1
3	23	32	K1	D7	Are >50% of listed facilities in adequate condition?	0	1	0	1	1	0 11		0	1	1	0	1	1	0	1	1	0	0
					MAINTENANCE, REPAIR, AND EQUIPMENT EXPENDITURE DATA							3.33	0	0	0	0	0	0	0	0	0	0	0
1	46	18	11 4	E1	Did capital improvements and MRP expenditures over the last five years exceed $42 million?	0	1	0	1	6	0 69		0	0	0	0	0	0	0	0	0	0	1
2	46	21	11 4	E2	Did capital improvements and MRP expenditures over the last five years exceed $97 million?	0	1	0	1	10	1 15		0	0	0	1	0	0	0	0	1	1	0
1	46	21	11 5	E3	Are non BRAC investments < 6% of the FY 1994 CPV planned over the next three years?	0	1	0	1	6	0 69		1	1	1	1	1	1	1	1	0	0	0
1	23	33	L1	E4	Is the average MRP expenditures for the past 3 years >2% of the CPV?	0	1	0	1	7	0 80		0	0	0	0	0	0	0	0	1	1	1
					LOCATION							8.76	0	0	0	0	0	0	0	0	0	0	0
2	23	40	4	F1	Is >50% of incoming students <50 miles from the Training Facility?	1	0	0	1	7	1 21		0	0	1	0	0	0	0	0	0	0	0
2	23	40	4	F2	Do >50% of graduates have a permanant duty station <50 miles from the Training Facility?	1	0	0	1	6	1 04		0	0	1	0	0	0	0	0	0	0	0
2	23	40	4	F3	Do >50% of graduates have follow on training < 50 miles from the facility?	1	0	0	1	5	0 87		0	0	0	0	0	0	0	0	0	0	0
1	23	40	5	F4	Is the installation within 50 miles of an operational base?	1	0	0	1	8	1 39		1	0	1	1	0	0	0	0	1	0	1
1	23	40	7	F5	Does location facilitate sea/shore rotation of instructors?	1	0	0	1	8	1 39		0	0	1	0	0	0	0	0	0	0	1
3	23	40	8	F6	Does location permit any specialized training with operational units?	1	0	1	0	3	0 85		0	0	1	0	0	0	0	0	0	0	1
2	23	40	9	F7	Is the training mission currently supported by civilian owned facilities?	1	0	0	1	5	0 87		1	0	0	0	0	0	0	0	0	0	1
2	23	42	C1	F8	Does installation's geographic location and natural features enhance training quality?	1	1	0	0	6	1 16		1	0	1	1	0	0	0	0	1	1	1
					ENCROACHMENT, ENVIRONMENTAL ISSUES AND ABILITY FOR EXPANSION							8.96	0	0	0	0	0	0	0	0	0	0	0
2	33	3	1 b	G1	Have operations/development been free of restrictions due to endangered/threatened species and/or biological h	0	1	0	0	6	0 40		1	1	1	1	1	1	1	0	1	0	0
2	33	5	2 c	G2	Have operations/development been free of restrictions due to jurisdictional wetlands?	0	1	0	0	6	0 40		1	1	0	1	1	1	1	1	0	1	0
2	33	6	3 b	G3	Have operations/development been free of restrictions due to National Register cultural resources?	0	1	0	0	6	0 40		1	1	1	1	1	1	1	1	1	0	1
2	33	9	4 m	G4	Are operations/development free of restrictions due to laws applying to environmental facilities?	0	1	0	0	6	0 40		1	1	1	1	1	1	1	1	0	1	1
2	33	10	5 b	G5	Is the installation in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10?	0	1	0	0	4	0 27		0	1	0	0	1	1	1	1	0	0	0
2	33	12	5 g	G6	Have operations/development plans been free of restrictions due to air quality considerations?	0	1	0	0	4	0 27		1	1	1	1	1	1	1	1	1	1	1
2	33	16	7 j	G7	Have operations/development plans been free of restrictions due to Installation Restoration considerations?	0	1	0	0	4	0 27		1	1	1	1	1	1	1	1	0	1	0
1	33	19	8 h	G8	Is the installation free of significant maintenance dredging restrictions?	0	1	0	0	2	0 13		1	1	1	0	1	1	1	1	1	1	0
2	23	42	B1	G9	Is existing or planned mission free of restrictions due to estimates of population growth and development?	1	0	1	0	7	1 97		1	1	1	1	1	1	1	1	0	1	1
1	23	67	F1	G10	Does the current operational infrastructure provide capabilities for future expansion or change in mission?	0	1	1	0	6	1 34		1	1	1	1	1	1	0	1	0	1	1
3	23	67	E2	G11	Is there off base acreage available for future installation development?	0	0	1	1	2	0 41		0	1	1	0	0	1	1	1	0	1	0
2	23	67	E3	G12	Can the installation's current infrastructure (utilities, water, sewage, etc) accommodate future expansion?	0	1	1	0	7	1 56		1	1	1	1	1	1	1	1	1	1	1

TRAINING CENTERS AND SCHOOLS 08-Feb-95

Ques Impor	Data Call	Page Num	Question Number	Ques Seq	QUESTIONS	M V Criteria/Score R 40	F 30	M 10	C 20	MV Score	MV Weight	MV Weight	Responses SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	MCCDC	MCAGCC	NAB
2	23	68	E4	G13	Is there >50 unrestricted acres available for development?	0	1	1	0	5	1.12		0	0	1	0	1	1	1	1	1	1	0
					QUALITY OF LIFE							13.11	0	0	0	0	0	0	0	0	0	0	0
2	23	43	D1(a)(2)	H1	Does the installation have >200 units of adequate officer family housing?	0	1	0	1	7	0.80		1	0	1	1	0	0	0	0	1	1	1
1	23	43	D1(a)(2)	H2	Does the installation have >300 units of adequate enlisted family housing?	0	1	0	1	8	0.92		1	0	1	1	1	1	1	0	1	1	1
1	23	44	D1(a)(4)	H3	Is the average wait for housing three months or less?	0	1	0	1	7	0.80		1	0	0	1	0	0	0	0	0	0	0
2	23	45	D1(a)(6)	H4	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.69		0	1	0	0	0	1	0	0	1	1	0
1	23	46	D1(b)(1)	H5	Is the BEQ occupancy rate <90%?	0	1	0	1	8	0.92		1	1	1	1	0	1	1	0	0	0	1
1	23	46	D1(b)(1)	H6	Are 90% of BEQ rooms adequate?	0	1	0	1	8	0.92		0	1	1	0	1	1	1	1	0	1	0
2	23	47	D1(c)(1)	H7	Is the BOQ occupancy rate <90%?	0	1	0	1	6	0.69		1	1	0	1	1	1	1	1	0	0	1
1	23	47	D1(c)(1)	H8	Are 90% of BOQ rooms adequate?	0	1	0	1	7	0.80		1	1	1	1	1	0	1	1	0	0	1
2	23	48 49	D2,D3	H9	Does the installation have >90% of the listed MWR facilities?	0	1	0	1	7	0.80		1	0	1	1	1	1	1	0	0	0	0
2	23	50	D4	H10	Is child care waiting list <50 children?	0	1	0	1	6	0.69		1	1	0	1	0	1	0	1	0	1	0
2	23	50	D4	H11	Is the average wait for 0-12 month child care <180 days?	0	1	0	1	6	0.69		1	1	0	1	0	1	0	0	0	1	0
3	23	50	D4	H12	Are >90% of installation's child care facilities adequate?	0	1	0	1	4	0.46		1	1	1	1	0	1	1	1	1	1	0
3	23	50	D4(d)	H13	Are there certified home care providers?	0	1	0	0	4	0.27		1	0	1	1	0	1	1	1	1	1	0
2	23	51	D4(f)	H14	Does the installation have >90% of the listed Family Support Facilities and programs?	0	1	0	1	6	0.69		1	0	1	1	1	1	1	0	1	1	0
1	23	52-55	D6,D7	H15	Is off base housing rental and purchase affordable?	0	0	0	1	10	0.48		1	0	0	1	0	1	0	1	1	1	1
3	23	56	D9	H16	Do >50% of the installations military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.69		1	1	1	1	1	1	1	0	1	1	1
3	23	57	D10(a)	H17	Are local area educational institution programs adequate for military family members?	0	0	0	1	4	0.19		1	1	1	1	1	1	1	1	1	1	1
3	23	58	D10(b)	H18	Are there educational opportunities at all college levels within a 30-mile radius?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	0	0	1
3	23	59	D10(c)	H19	Are college education courses available on the base?	0	0	0	1	1	0.05		1	1	1	1	1	1	1	1	1	1	1
3	23	60	D11	H20	Does the installation have an active FSC spouse employment program?	0	0	0	1	1	0.05		1	0	1	1	1	1	1	1	1	1	1
2	23	60	D12	H21	Do active duty personnel have reasonable access to medical/dental care?	1	0	0	1	6	1.04		1	1	1	1	1	1	1	1	1	1	1
2	23	60	D13	H22	Do military family members have reasonable access to medical/dental care?	0	0	0	1	6	0.29		1	1	0	1	1	1	1	1	1	1	1
3	23	61-66	D14	H23	Is the violent crime rate <758/100 000?	0	0	0	1	1	0.05		1	1	1	1	0	1	0	1	1	1	0
3	23	61-66	D14	H24	Is the property crime rate <4902/100 000?	0	0	0	1	1	0.05		0	0	1	0	0	1	0	1	1	1	0
3	23	61-66	D14	H25	Is the drug crime rate <402/100 000?	0	0	0	1	1	0.05		0	1	0	0	0	1	0	1	1	0	0
													40.83	37.06	58.17	51.85	43.66	31.07	39.16	28.01	47.99	53.22	52.00

	SWOS	SUP	SUB	NETC	NTTCC	NTTCM	NATTC	AEGIS	MCCDC	MCAGCC	NAB
FORMAL TRAINING MISSION	13.15	16.70	23.95	21.19	20.85	8.76	18.04	8.78	25.11	19.72	19.89
OTHER SUPPORT MISSIONS	0.13	0.50	2.01	0.79	0.97	0.50	0.00	0.38	3.09	3.84	3.42
TRAINING FACILITIES, EQUIPMENT AND ARE	4.65	2.96	8.01	5.52	4.19	1.34	4.00	3.39	3.28	8.55	7.11
OTHER FACILITIES	0.22	0.11	1.45	1.53	1.23	0.11	0.00	0.11	1.37	1.12	1.53

NAWC LAKEHURST 13 (REALIGN & RETAIN ALRE)

1. NORTHDIV CONTRACTS OFFICE AND NAVFAC to NETC NEWPORT

*ELIMINATED 4 OFFICERS & 11 CIVILIANS IN LIEU OF MOVING

2. NAVAL AIR TECHNICAL TRAINING to NAS PENSACOLA

*ELIMINATED 2 OFFICERS, 5 ENLISTED & 2 CIVILIANS
*MOVED 2 OFFICERS, 28 ENLISTED, 1 CIVILIAN & 48 STUDENTS IN LIEU OF 4 OFFICERS, 33 ENLISTED, 3 CIVILIANS & 48 STUDENTS
*ELIMINATED 92490 SQFT TRAINING NEW MILCON
*ELIMINATED 31760 SQFT BACHELOR QUARTERS NEW MILCON

3. US ARMY CECOM - ARMY CERTIFIED RESPONSE GAVE FIRST PREFERENCE TO REMAIN IN CURRENT FACILITIES AS AN ENCLAVE, SECOND CHOICE IS TO MOVE TO FT BELVOIR WITH THE FOLLOWING ESTIMATED COSTS: 22000 SQFT AIR MAINTENANCE MILCON; 3100 SQFT ADMIN MILCON; 25000SQFT RDT&E MILCON; AND $25K ONE TIME MOVING COSTS.

*MOVED TO BASE X (CECOM) WITH NO MILCON OR ONE TIME COSTS

4. MOVE TO NADEP JACKSONVILLE

*ELIMINATED 94600 SQFT OF SHIP MAINTENANCE NEW MILCON

5. BRANCH CLINIC to NNMC BETHESDA

*ELIMINATED 5 OFFICERS & 26 ENLISTED IN LIEU OF MOVING

6. DENTAL CLINIC to NAWC PATUXENT RIVER

*ELIMINATED 1 OFFICER & 2 ENLISTED IN LIEU OF MOVING

ENCL (17)

NAWC LAKEHURST 13 (REALIGN & RETAIN ALRE) CONTINUED

7. PERSONNEL SUPPORT ACTIVITY DETACHMENT to WPNSTA EARLE

*ELIMINATED 11 ENLISTED & 2 CIVILIAN IN LIEU OF MOVING

8. DEFENSE REUTILIZATION SERVICE to McGUIRE AFB

*MOVED TO BASE X WITHOUT 57958 SQFT STORAGE NEW MILCON

WEAPONS STATIONS/ MAGAZINES

Final

Capacity/Military Value

Update

ENCL (18)

WEAPONS STATIONS/MAGAZINES FINAL UPDATE

CAPACITY SUMMARY

- Adjustments were made to the FY 2001 inventory and maximum capacity values for storage for both weapons stations and magazines. The adjustments were not significant and resulted in less excess capacity than previously identified: (numbers in 000)

Activity	Inventory				Capacity			
	Tons		SF		Tons		SF	
	Old	New	Old	New	Old	New	Old	New
Earle	No change		570	642	No change		No change	
Seal Beach	17.1	17.8	524	603	14.4	17.8	524	603
Yorktown	29.9	35.7	724	695	31.0	35.7	686	695
Net change		+5.8		+122		+8.1		+88
(% excess for square feet for WEPSTAs remains at 9%)								
NAVMAGS	No change		No change		No change		1103	1086
(% excess for SF capacity changed from 18% to 16%)								

MILITARY VALUE

- Line item #96 for Charleston WPNSTA
  "Average wait list for housing three months or less"
  - changed from "0" to "1"
  - Charleston MilVal went from 49.54 to 50.90

- Line item #101 for Yorktown WPNSTA
  "Child care waiting list <50 children"
  - changed from "1" to "0"
  - Yorktown MilVal went from 50.98 to 50.17

- Overall Military Value average changed from 44.0 to 44.1

ORDNANCE ACTIVITIES CAPACITY ANALYSIS

Weapons Inventory (All measurements in thousands)

	Inventory		Capacity		Excess		% Excess	
	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT
Weapons Stations (1)	198	3,884	218	4,261	20	377	9%	9%
Afloat (2)	65	1,309	126	2,518	60	1,208	48%	48%
MPF (Marine Corps) (2)	31	624	31	624	0	0	0%	0%
NATO	14	262	14	254	(0)	(8)	-3%	-3%
SMCA (3)	653	10,440	653	10,440	0	0	0%	0%
Naval Magazines (4)	83	907	89	1,086	6	179	7%	16%
Fleet Activities	88	1,666	100	1,810	12	144	12%	8%
Naval Technical Centers	39	787	54	1,071	14	284	26%	27%
CNET Training Activities	0	3	1	23	1	20	86%	86%
USMC	13	233	20	342	7	108	34%	32%
Pipeline (5)	N/A							
Total (6)	1,185	20,116	1,304	22,428	120	2,312	9%	10%
Total Exclude Afloat/MPF	1,088	18,183	1,147	19,286	59	1,103	5%	6%

(1) Includes POMFLANT assets being turned over to WEPSTA Charleston
(2) Provides shore storage equivalency in optimum SQ FT.
(3) There are no allotments to Navy or other services for storage (predicted inventories done on year to year basis)
(4) Includes magazine space dedicated to storage of Army ordnance, but does not include assets at Waikele
(5) Pipeline quantities are ordnance in transit and are accounted for within the category totals.
(6) Does not include assets at the Strategic Weapons Facilities

Throughput Capacity (Tons/Day)

Transport Mode	Requirement	Capacity	Excess	Percent Excess
Pier/VERTREP	2,581	10,370	7,789	75%
Rail	727	6,354	5,627	89%
Truck	1,496	3,512	2,016	57%

Transport Mode	Sustainment	Capacity	Excess	Percent Excess
Pier/VERTREP	16,649	10,370	(6,279)	-61%
Rail	6,585	6,354	(231)	-4%
Truck	4,116	3,512	(604)	-17%

Maintenance/Testing Capacity (DLMHs)

		Requirement		Capacity		Excess		Percent Excess	
	Weapon Type	Depot	Inter	Depot	Inter	Depot	Inter	Depot	Inter
1	Mines	6,000	82,875	15,000	107,895	9,000	25,020	60%	23%
9	Torpedoes	0	200,540	0	273,415	0	72,875	0%	27%
9	Threat	31,000	688,019	122,000	1,543,143	91,000	855,124	75%	55%
5	Other	373,245	248,932	427,070	775,280	53,825	526,348	13%	68%
1	Mines	5,000	90,575	15,000	115,595	10,000	25,020	67%	22%
9	Torpedoes	0	312,540	0	385,415	0	72,875	0%	19%
9	Threat	0	539,048	126,000	1,549,457	126000	1,010,409	100%	65%
7	Other	211,190	316,471	427,070	809,280	215,880	492,809	51%	61%
2	Mines	5,000	90,775	15,000	115,795	10,000	25,020	67%	22%
0	Torpedoes	0	317,540	0	385,415	0	67,875	0%	18%
0	Threat	0	522,775	135,000	1,583,057	135,000	1,060,282	100%	67%
1	Other	198,290	315,471	427,070	854,280	228,780	538,809	54%	63%

Activities Included:

NWS Charleston
NWS Concord
NWS Earle
NWS Seal Beach
NWS Yorktown
NAVORDCEN PACDIV DET Port Hadlock
NAVORDCEN PACDIV DET Fallbrook
NAVMAG Guam
NAVMAG Lualualei

Other Activities

POMFLANT
SWFPAC
SWFLANT

basecscore	E	F	G	H	I	N	O	P	Q	R	S	T	U	V	W	X
1	**Weapon Stations/NAVMAGs Military Value Matrix**															
2								RESPONSES								
3	QUESTIONS	R	F	M	C	SCORE	TOTAL									
4		30	30	20	20		MV	CHAS	CON	EARLE	FB	PH	SB	YTWN	GUAM	LLL
5	**STORAGE CAPABILITY**						14.27	4.98	4.78	3.34	5.38	2.44	3.76	6.18	3.70	4.84
6	Can the activity store > 50,000 tons of munitions ?	1	1	1	0	10	2.09	0	1	0	0	0	0	0	0	0
7	Can the activity store > 25,000 tons of munitions?	1	1	1	0	7	1.47	1	0	1	1	0	0	1	1	1
8	Can the activity store > 10,000 tons of munitions ?	1	1	1	0	4	0.84	0	0	0	0	0	1	0	0	0
9	Does the activity possess > 600,000 square feet of munitions storage space?	1	1	1	0	10	2.09	0	1	0	0	0	0	1	0	1
10	Does the activity possess > 400,000 square feet of munitions storage space?	1	1	1	0	7	1.47	1	0	1	1	0	1	0	0	0
11	Does the activity possess > 200,000 square feet of munitions storage space?	1	1	1	0	4	0.84	0	0	0	0	0	0	0	1	0
12	Explosive ordnance storage assets will increase by 20,000 square feet by FY 2001?	1	1	1	0	5	1.05	1	0	0	1	1	1	1	0	0
13	Has explosive ordnance storage averaged >/= 80% utilization from FY 1991-94?	0	1	1	1	5	0.98	0	0	0	1	1	0	1	1	0
14	Is there excess storage available through FY 2001?	0	1	1	1	3	0.59	1	1	0	0	0	0	1	0	1
15	Does the activity have DON unique facilities, equipment, or skills to perform storage?	1	1	0	1	10	2.16	0	0	0	0	0	0	0	0	0
16	Is > 5% of its storage capacity used for non DON requirements?	1	0	1	0	2	0.28	0	0	0	0	0	0	0	0	1
17	Is the activity free of ESQD arc waivers for its magazines?	0	1	0	0	6	0.41	1	0	1	1	1	1	0	1	1
18	**OUTLOAD CAPABILITIES**	0	0	0	0	0	19.22	7.11	11.78	13.67	0.84	8.84	2.25	6.07	3.50	8.58
19	Is the maximum rated over the pier/VERTREP munitions throughput >/= 1000 tons per day?	1	1	1	0	10	2.09	0	1	1	0	0	0	0	1	0
20	Is the maximum rated over the pier/VERTREP munitions throughput >/= 500 tons per day?	1	1	1	0	7	1.47	0	0	0	0	1	0	1	0	1
21	Is the maximum rated over the pier/VERTREP munitions throughput >/= 200 tons per day?	1	1	1	0	4	0.84	1	0	0	1	0	1	0	0	0
22	Has the over the pier/VERTREP annual throughput exceeded 40,000 tons between FY 1986-1994?	1	0	1	0	10	1.41	0	1	1	0	0	0	0	1	0
23	Has the over the pier/VERTREP annual throughput exceeded 25,000 tons between FY 1986-1994?	1	0	1	0	7	0.99	0	0	0	0	0	0	1	0	0
24	Has the over the pier/VERTREP annual throughput exceeded 10,000 tons between FY 1986-1994?	1	0	1	0	4	0.56	1	0	0	0	1	1	0	0	1
25	Does the activity have full service outload (container,break bulk,specialized) capability?	1	1	1	1	10	2.77	1	1	1	0	1	0	1	0	1
26	Can the activity outload a CV/CVN from the pier?	1	1	1	0	7	1.47	0	0	1	0	1	0	0	0	0
27	Does the activity have DON unique facilities, equipment, or skills to perform outload?	1	1	0	1	10	2.16	0	1	1	0	1	0	0	0	0
28	Can 3 or more Ammunition type vessels (AE, AOE, etc.) load out simultaneously?	1	1	1	0	8	1.68	1	1	1	0	0	0	0	0	1
29	Can 5 or more surface combatants/submarines load out simultaneously?	1	1	1	0	6	1.26	0	1	1	0	0	0	0	0	1
30	Has the activity outloaded > 150 ships/year on average over the period FY1991-1993?	1	0	1	0	9	1.27	1	0	0	0	0	0	0	0	0
31	Has the activity outloaded > 100 ships/year on average over the period FY1991-1993?	1	0	1	0	6	0.85	0	0	1	0	0	1	1	0	1
32	Has the activity outloaded > 50 ships/year on average over the period FY1991-1993?	1	0	1	0	3	0.42	0	1	0	0	1	0	0	0	0
33	**PRODUCTION / MAINTENANCE**	0	0	0	0	0	18.79	5.75	8.06	4.40	1.97	0.85	10.82	11.76	5.19	5.83
34	Does the activity maintain/repair mines?	1	0	1	0	7	0.99	0	0	1	0	0	0	1	0	1
35	Does the activity maintain/repair torpedoes?	1	0	1	0	9	1.27	1	1	0	0	0	0	1	1	1
36	Does the activity maintain/repair threat weapons?	1	0	1	0	10	1.41	1	1	0	1	0	1	1	1	1
37	Does the activity maintain/repair LOE weapons?	1	0	1	0	6	0.85	1	1	0	0	1	1	1	1	0
38	Did the work effort for I-level maintenance/testing average > 150 DLMY's from FY 1990-1993?	1	0	1	0	8	1.13	0	1	0	0	0	1	1	0	1
39	Did the work effort for I-level maintenance/testing average > 100 DLMY's from FY 1990-1993?	1	0	1	0	5	0.70	0	0	0	0	0	0	0	0	0
40	Did the work effort for I-level maintenance/testing average > 50 DLMY's from FY 1990-1993?	1	0	1	0	2	0.28	1	0	0	1	0	0	0	0	0
41	Does the activity have DON unique facilities, equipment, or skills to maintain/repair ordnance?	1	1	0	1	10	2.16	0	0	0	0	0	1	1	0	0
42	Is greater than 5% of maintenance capacity used for non DON requirements?	1	0	1	0	2	0.28	1	1	0	1	0	0	1	0	0
43	Does the Activity perform depot level maintenance?	1	0	1	1	3	0.62	1	1	0	0	0	1	1	1	0
44	Does the activity design or repair packaging or handling equipment?	1	0	1	1	5	1.04	1	1	1	0	0	1	1	1	1
45	Does the activity possess DON unique packaging/handling facilities, equipment or skills?	1	1	0	1	7	1.51	0	0	1	0	0	0	0	0	0
46	Does the activity support tactical/strategic nuclear weapons systems?	1	0	1	1	7	1.46	0	1	0	0	0	1	1	0	0
47	Does the activity have DON unique facilities, equipment, or skills for nuclear weapon systems?	1	1	0	1	10	2.16	0	0	0	0	0	1	0	0	0
48	Does the activity provide any combat system/subsystem support?	1	0	1	0	4	0.56	0	0	0	0	0	0	1	0	0
49	Does the activity have DON unique capabilities to maintain combat systems/subsystems?	1	1	0	1	7	1.51	0	0	0	0	0	0	0	0	0
50	Does the activity provide a unique ordnance publication capability for DON?	1	1	0	1	4	0.86	0	0	1	0	0	0	0	0	0
51	**EQUIPMENT AND FACILITIES**	0	0	0	0	0	15.35	8.65	8.87	8.46	3.90	4.27	4.94	7.84	4.01	5.16
52	Is pier facility capable of handling 5M pounds Net Explosive Weight?	1	1	1	0	10	2.09	0	1	1	0	0	0	0	0	0
53	Is pier facility capable of handling 1M pounds Net Explosive Weight?	1	1	1	0	7	1.47	1	0	0	0	1	0	1	1	1
54	Is the average MRP expenditures for the past 3 years >2% of the average CPV?	0	1	0	1	6	0.81	1	1	1	1	0	1	1	1	0
55	Is the activity free of exceptional restrictions when moving munitions?	0	1	1	0	6	0.78	1	1	1	1	1	1	1	1	1
56	Can 3 or more ammunition ships be berthed at the activity?	0	1	1	0	3	0.39	0	0	0	0	0	0	0	0	0
57	Can 6 or more ammunition ships be berthed at the activity?	0	1	1	0	6	0.78	1	1	1	0	0	0	1	0	1
58	Can 4 or more surface combatants or submarines be berthed at the activity?	0	1	1	0	2	0.26	0	0	0	0	1	0	0	0	0
59	Can 8 or more surface combatants or submarines be berthed at the activity?	0	1	1	0	5	0.65	1	1	1	0	0	0	1	0	1
60	Are less than 10% of the activity facilities classified as inadequate?	0	1	0	1	7	0.95	1	1	1	1	1	1	1	1	0
61	Has reserve unit training averaged over 100 personnel for the past three years?	1	0	1	1	5	1.04	1	1	1	0	0	1	1	0	0
62	Does your activity possess any unique characteristics or facilities to facilitate reserve training?	1	1	0	1	7	1.51	0	0	0	0	0	0	0	0	0
63	Did capital improvements and MRP expenditures over the last seven years exceed $150 million?	0	1	0	1	10	1.36	1	0	1	0	0	0	1	0	0
64	Did capital improvements and MRP expenditures over the last seven years exceed $75 million?	0	1	0	1	7	0.95	0	1	0	0	0	0	0	0	0

1=Readiness 2=Facilities 3=Mobilization 4=Cost

Weapon Stations/NAVMAGs Military Value Matrix

Usecscore	E	F	G	H	I	N	O	P	Q	R	S	T	U	V	W	X
3	QUESTIONS	R	F	M	C	SCORE	TOTAL	RESPONSES								
4		30	30	20	20		MV	CHAS	CON	EARLE	FB	PH	SB	YTWN	GUAM	LLL
65	Did capital improvements and MRP expenditures over the last seven years exceed $25 million?	0	1	0	1	4	0.54	0	0	0	1	0	1	0	0	1
66	Are non-BRAC investments < 10% of the FY 1994 CPV planned over the next seven years?	0	1	0	1	7	0.95	0	0	0	0	0	0	0	0	1
67	Are non-BRAC investments < 20% of the FY 1994 CPV planned over the next seven years?	0	1	0	1	6	0.81	1	1	0	1	1	1	0	0	0
68	**STRATEGIC CONCERNS**	0	0	0	0	0	10.12	5.95	5.57	7.85	5.29	2.84	6.71	4.26	3.72	3.52
69	Is the activity clear of any contiguous support requirements(police,security,cafeteria,fire protection)?	0	0	0	1	3	0.20	1	1	1	0	1	1	1	1	0
70	Is the Activity 10 miles or less from open sea?	1	0	1	0	10	1.41	0	0	1	1	0	1	0	1	1
71	Is the average transit time to the open sea 1 hour or less?	1	0	1	0	7	0.99	0	0	1	1	0	1	0	1	1
72	Is the Activity within 25 miles of all transportation modes?	0	0	1	1	6	0.77	1	0	0	0	0	1	1	0	0
73	Is the activity serviced by a railroad?	0	1	1	1	8	1.58	1	1	1	0	0	1	1	0	0
74	Is the activity serviced by multiple rail tracks?	0	1	1	1	3	0.59	1	1	0	0	0	0	1	0	0
75	Does your activity function as a homeport?	1	1	0	0	7	1.04	1	1	1	0	0	0	0	0	0
76	Is closest homeport serviced by your Activity within 200 miles?	1	0	1	0	5	0.70	1	1	1	1	1	1	1	1	1
77	Does temporary/contingent storage exceed 50% of fixed assets?	0	1	1	0	3	0.39	1	1	1	0	1	1	0	0	0
78	Do the explosive anchorage assets utilized by your activity exceed 5M pounds Net Explosive Weight?	0	1	1	0	5	0.65	0	1	0	1	0	0	0	0	0
79	Do the explosive anchorage assets utilized by your activity exceed 1M pounds Net Explosive Weight?	0	1	1	0	2	0.26	1	0	0	0	0	1	0	0	0
80	Have natural inhibitors interrupted your work schedule by less than 5% annually?	1	0	1	1	2	0.42	1	1	1	1	1	1	1	1	1
81	Is the Activity clear of waterway,harbor and approach harbor restrictions?	1	0	1	0	8	1.13	0	0	1	1	1	0	0	0	0
82	**ENVIRONMENT / ENCROACHMENT**	0	0	0	0	0	9.86	9.04	7.29	7.70	5.55	9.86	6.40	6.88	9.45	7.29
83	Activity has no less than 100 acres of unrestricted land available for mission expansion.	0	1	1	0	8	1.04	1	1	1	1	1	1	1	1	1
84	Endangered/threatened species and/or biological habitats have not restricted operations/development.	0	1	0	0	6	0.41	1	1	1	1	1	1	1	0	1
85	Jurisdictional wetlands have not restricted operations/development.	0	1	0	0	6	0.41	0	1	1	1	1	1	1	1	1
86	National Register cultural resources have not restricted operations/development.	0	1	0	1	3	0.41	1	1	1	1	1	1	0	1	1
87	Base ops or development are not constrained by laws applying to environmental facilities/NPDES.	0	1	0	0	6	0.41	0	1	1	1	1	1	1	1	1
88	Activity is in an "attainment" or "maintenance" air quality control area for CO, Ozone, PM-10.	1	1	0	1	10	2.16	1	0	0	0	1	0	0	1	1
89	Activity operations or development have not been restricted due to air quality considerations.	1	1	0	0	6	0.89	1	1	1	1	1	0	1	1	1
90	Activity operations or development plans have not been restricted due to Installation Restoration considerations.	0	1	0	0	4	0.27	1	1	1	1	1	1	1	1	1
91	Activity has no significant maintenance dredging restrictions.	1	1	0	1	6	1.29	1	1	1	1	1	1	1	1	1
92	Does the activity have any specific capabilities for handling/disposing of hazardous waste/material?	1	1	0	1	10	2.16	1	1	1	0	1	1	1	1	0
93	Are there no encroachment at the activity that restrict current operations?	0	1	0	0	6	0.41	1	0	1	1	1	0	0	1	0
94	**QUALITY OF LIFE**	0	0	0	0	0	12.40	9.41	7.31	6.97	10.84	5.61	6.09	7.17	9.57	5.95
95	Is there sufficient off base housing?	0	1	0	1	6	0.81	1	1	0	1	1	1	1	1	0
96	Is the average wait for housing three months or less?	0	1	0	1	10	1.36	1	1	0	1	1	1	0	1	0
97	Do 90% or more of the housing units have all the required amenities?	0	1	0	1	6	0.81	1	1	1	1	1	1	1	1	1
98	Does the site have >90% of the listed MWR facilities?	0	1	0	1	7	0.95	0	0	0	1	0	0	0	0	0
99	Does the site have > 90% of the list Family Support Facilities and Programs?	0	1	0	1	6	0.81	1	0	0	1	0	0	0	1	0
100	Are > 90% of the child care facilities adequate?	0	1	0	1	4	0.54	0	0	1	1	0	0	1	1	0
101	Is the child care waiting list < 50 children?	0	1	0	1	6	0.81	0	0	0	0	0	0	0	0	1
102	Are there certified home care providers?	0	1	0	1	6	0.81	1	1	1	1	0	0	1	1	0
103	Are off base housing rental and purchase affordable?	0	0	0	1	7	0.47	1	1	0	1	1	0	1	0	0
104	Does the site have an active FSC spouse employment program?	0	0	0	1	1	0.07	1	0	1	1	0	0	1	1	1
105	Are there educational opportunities at all college levels within a 30 mile radius?	0	0	0	1	1	0.07	1	1	1	1	0	1	1	1	1
106	Are college education courses available on the base?	0	0	0	1	1	0.07	1	0	0	1	0	0	0	1	0
107	Are local area educatiional institution programs adequate for military family members?	0	0	0	1	4	0.27	1	1	1	1	1	1	1	1	1
108	Do > 50% of site military and civilian personnel live within a 30 minute commute?	1	0	0	1	4	0.59	1	1	1	1	1	1	1	0	1
109	Are 90% of BEQ rooms adequate?	0	1	0	1	8	1.09	1	0	1	1	1	0	0	1	1
110	Are 90% of BOQ rooms adequate?	0	1	0	1	4	0.54	0	0	1	0	0	0	1	1	0
111	Do active duty personnel have reasonable access to medical/dental care?	1	1	0	1	6	1.29	1	1	1	1	0	1	1	1	1
112	Do military family members have reasonable access to medical/dental care?	0	1	0	1	6	0.81	1	1	1	1	0	1	1	1	1
113	Is the violent crime rate <758/100,000?	0	0	0	1	1	0.07	0	0	0	0	1	1	1	1	1
114	Is the property crime rate <4902/100,000?	0	0	0	1	1	0.07	0	0	0	0	1	0	0	1	0
115	Is the drug crime rate <402/100,000?	0	0	0	1	1	0.07	1	0	1	0	1	0	0	1	1
116							100.00									
117																
118		54	66	53	52		100.00	50.90	53.66	52.40	33.77	34.71	40.98	50.17	39.14	41.18

1=Readiness 2=Facilities 3=Mobilization 4=Cost

Document Separator

DON BRAC 95 Analytical Approach

Description and Examples

Introduction

This paper describes the analytical approach the Department of the Navy Base Structure Evaluation Committee (BSEC) used in its deliberations to develop recommendations for base closures and realignments. This approach was applied to all types of facilities, thus, providing a consistent methodology for use during the BSEC deliberations. The Defense Base Closure and Realignment Act of 1990 (Public Law 101-510), as amended, establishes the legal requirements that each military department's base closure and realignment process must meet. The law requires that the process followed by a department be consistently and fairly applied to all categories of installations. Within each category, installations are to be treated equally. The approach described here satisfies these requirements. This approach emphasizes procedure and the use of quantitative methods to exploit quantitative data.

Optimal sets of installations were identified using a mathematical programming approach. By varying some parameters for these models, the BSEC could do sensitivity analyses. Alternative solution sets, besides the optimal solution set, were then reviewed by the BSEC. These solutions served as inputs to the process of identifying closure and realignment scenarios for COBRA[1] and economic impact analyses.

The remainder of this paper presents a description of the analytical approach and examples of its application. Two fictional examples are used to explain the approach. One is a naval air station case that is typical of operational bases. The other is a naval shipyard case that is typical of industrial facilities. The paper ends with a summary.

Analytical Approach

The analytical approach went through three stages:

1. Perform capacity analysis.
2. Assess military value.
3. Perform configuration analysis.

Capacity Analysis

A capacity analysis was conducted in each subcategory[2] to decide if excess capacity exists in the subcategory. If the BSEC determined that the subcategory had excess capacity, installations in the subcategory would be assessed for military value and a configuration analysis would be done for the category.

Throughput measures were used to measure capacity. For example, the maximum number of students that could be processed in a year could be the measure for a training center. For operational air stations, the number of squadron modules available for hosting aircraft squadrons is the measure of capacity. The number of CG-sized ships that can be homeported is the measure for naval stations. The number of technical workyears performed is the measure for technical centers. These measures, although complex and sometimes difficult to assess, avoid the false sense of precision that follows from simple measures such as square feet of floor or ramp space or linear feet of pier space.

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[1] Cost of Base Realignment Actions model. This is the DOD-mandated model for estimating the costs and savings associated with a closure and/or realignment scenario.

[2] Major categories included Operational Support, Industrial Support, Technical Centers and Laboratories, Education and Training, and Personnel Support and Administration. Subcategories include such installation types as training air stations (Education and Training), shipyards (Industrial Support), operational air stations (Operational Support), and administrative activities (Personnel Support and Administration).

Comparing the total capacity in all of the installations to the future total requirement determined the excess capacity in a subcategory of that type. A positive difference between these two numbers suggests excess capacity. The presence of excess capacity in a subcategory does not necessarily imply that a closure is possible. Many factors will ultimately determine whether future requirements can be assigned to a lesser number of installations. The examples will further illustrate this idea.

Assessing Military Value

The BRAC process specifies four criteria for assessing military value. The four criteria are as follows:

- **Readiness** - current and future mission requirements and operational readiness.
- **Facilities** - availability and conditions of land, facilities, and air space.
- **Mobilization** - ability to accommodate contingency, mobilization, and future force requirements.
- **Cost and manpower** - cost and manpower implications.

For each subcategory, a set of yes/no or true/false questions was created based upon the information available in the data calls. An installation would be given credit for a question if the answer to the question for that installation was true or affirmative. The BSEC reviewed the list of questions for each subcategory and made changes as necessary.

For each subcategory the BSEC assigned a positive value to each of the military value criteria. The values always sum to 100. The value assigned to a criterion reflected the relative importance that the BSEC gave to that criterion in assessing the military value of installations in that subcategory. For each question, the BSEC determined for which of the four criteria the question was relevant. A question could be relevant to more than one criterion.

The BSEC also assigned a relative score to each question or statement. The relative score was always a number from one to ten. The total weight assigned to a question was computed as follows:

> For each of the four military value criteria, for which the question is relevant, do the following. Multiply the relative score assigned to the question by the value assigned to the criteria and divide by the sum of the relative scores of all questions relevant to that criteria. Repeat this calculation for each of the relevant criteria for the question. The sum of these calculated numbers is the total weight associated with the question.

Table 1 shows an example of calculating military value question weights. In this example the value given to the readiness criterion is 40, the facilities criterion 30, the mobilization criterion 20, and the cost and manpower criterion 10. Question A is relevant to the readiness and facilities criteria, but not to the remaining two criteria. The weight that question A receives for the readiness criterion is calculated as $40 \times \frac{10}{10+5+1} = 25$ the denominator of the second term in the product is the sum of the scores from all of the questions that are relevant to the readiness criterion. Note that the weights in the readiness column sum to the value given to the readiness criterion. Note also that the weights in a column corresponding to a criterion are proportional to the scores in the relative score column. Total weights for questions are, usually, not proportional to the relative scores. For example, the weights computed for questions C and D are not proportional to the relative scores for these two questions. It should be noted that the BSEC completed the calculation of question weights before the answers to the questions for specific installations were made available to them.

Table 1. Military value question weights.

Question	Military value criteria				Relative score	Total weight
	Readiness	Facilities	Mobilization	Cost and manpower		
	Criteria value					
	40	30	20	10		
A	25.00	27.27			10	52.27
B	12.50		14.29		5	26.79
C			5.71	6.67	2	12.38
D	2.50	2.73		3.33	1	8.56
Totals	40.00	30.00	20.00	10.00		100.00

Table 2 carries this example further by applying the weights to a set of three installations. This table shows the questions for which each installation received credit. The military value for installation I is computed as $1 \times 52.27 + 0 \times 26.79 + 1 \times 12.38 + 1 \times 8.56 = 73.21$.

Table 2. Military value matrix.

Question	Question weight	Installation		
		I	II	III
A	52.27	1	0	1
B	26.79	0	1	1
C	12.38	1	1	0
D	8.56	1	1	0
Military value	100.00	73.21	47.73	79.06

Configuration Analysis

Configuration analysis is a mathematical programming approach to finding the set of installations in a subcategory that can meet future requirements, maintain average military value, and minimize the total retained capacity. This approach minimizes capacity, rather than cost, because obtaining comparable cost data for activities is exceedingly difficult. The BSEC considered capacity an acceptable surrogate for cost.

This stage of the analysis is called *configuration analysis* because the configuration of retained bases or installations may be constrained by operational necessity. For example, fleet assets must be distributed between east and west coast facilities regardless of military value assessments. The process of assessing the military value of each installation in a subcategory is myopic in that it does not consider the constraints that may exist on the assignment of supported units to the installations.

The basic capacity minimization problem has the following form:

minimize $\sum_{j=1}^{n} c_j Z_j$ (Minimize total capacity.)

subject to:

$\sum_{j=1}^{n} U_{ij} = K_i$ for all i (Number of units assigned must equal the number needing assignment.),

$\sum_{i=1}^{m} r_{ki} U_{ij} \leq R_{kj} Z_j$ for all j and $k \in \{1 \cdots l\}$ (Each installation has limited resources.),

$\sum \hat{v}_j Z_j \geq 0$ (Maintain average military value.),

where

n = the number of installations in the subcategory,

m = the number of types of units to be assigned to installations,

l = the number of resource types,

$Z_j = 1$ if installation j is retained and 0 otherwise,

U_{ij} = the number of units of type i assigned to installation j,

c_j = the capacity of installation j,

K_i = the number of units of type i that must be assigned.

r_{ki} = the amount of resource type k required by each unit of type i,

R_{kj} = the amount of resource k available at installation j, and

$\hat{v}_j$ = the military value of installation j minus the average military value for all of the installations in the subcategory.

The decision variables in this mathematical program are the Z_j and U_{ij} variables. The optimal solution to this mathematical program has the following characteristics:

- the total retained capacity is as small as possible,
- all units have been assigned to an installation,
- no installation has more units assigned than it can support in terms of resources, and
- the average military value of the retained installations is equal to or greater than the average military value for all of the installations in the subcategory.

Note that the optimal solution to this formulation may retain an installation having a lower military value than one excluded from the solution. This may happen because the process of assessing military value for individual installations cannot consider all of the basing restrictions such as dividing squadrons between coasts.

The actual configuration models used by the BSEC sometimes included additional constraints. Additional constraints were added to preclude solutions that were not operationally feasible.

Air Station Example

In this fictitious example, eight naval air stations, PAC1, PAC2, PAC3, PAC4, LNT1, LNT2, LNT3, and LNT4, currently accommodate 60 aircraft squadrons as shown in table 3. Table 4 shows the number of squadrons of each aircraft type that will be in the force in the future. The analyses of operational, reserve, and training air stations conducted for BRAC 95 did not use the analysis described here. This example was constructed to illustrate the general approach

Table 3. Current squadron assignments.

Squadron types	PAC1	PAC2	PAC3	PAC4	PAC totals	LNT1	LNT2	LNT3	LNT4	LNT totals
F-14	5	0	0	0	**5**	5	0	0	0	**5**
FA-18	0	10	0	0	**10**	0	10	0	0	**10**
A-6	0	0	4	0	**4**	4	0	0	0	**4**
P-3	0	0	3	2	**5**	0	0	3	2	**5**
H-60	0	0	4	2	**6**	0	0	2	4	**6**
Total	**5**	**10**	**11**	**4**	**30**	**9**	**10**	**5**	**6**	**30**

Table 4. Future force structure and allocations.

Squadron type	Pacific Fleet	Atlantic Fleet
F-14	4	4
FA-18	8	8
A-6	3	3
P-3	4	4
H-60	4	5
Total	**23**	**24**

Step 1: Capacity Analysis

Capacity analysis for this example begins with noting that the eight air stations currently support 60 squadrons while the future requirement is to support 47 squadrons as shown in table 4. The number of squadrons the air station can support measures the throughput, or capacity, of an air station. This data shows 13 units of excess capacity in this subcategory. The process, therefore, must proceed with the military value and configuration analyses.

Step 2: Assessing Military Value

The questions and military value weightings for these questions appear in table 5. In this example, readiness has been given a value of 35, facilities a value of 30, mobilization a value of 25, and cost and manpower a value of 10. In this example, the presence of a bombing range is the most important factor in the military value matrix. An air station having a bombing range will receive 26.126 points. Note that the only other question receiving a score of 10 is only worth 9.459 military value points. This question only applies to the readiness criteria. The bombing range question applies to both readiness and mobilization and, therefore, receives a much higher military value weight.

The remainder of the military value matrix for the eight air stations is shown in table 6. Table 6 shows how each of the eight air stations was scored on each of the nine questions and the resulting military value for each.

Table 5. Air station military value questions.

Questions	R 35	F 30	M 25	C 10	Score	MV weight
Is there a NADEP located at this air station?	1	1	1	0	5	20.958
Does the air station have specialized training simulators?	1	1	0	0	2	5.050
Does the air station have bombing ranges?	1	0	1	0	10	26.126
No ATC constraints are expected in the future.	1	0	0	0	5	4.730
Air station has the ability to berth naval vessels.	1	0	0	0	10	9.459
No foreseeable encroachment problems at this air station.	1	1	0	0	5	12.624
Off-base housing is affordable.	0	1	0	1	4	9.393
Base is free of environmental problems that prohibit development.	0	1	0	1	3	7.045
Military and civilian medical and dental care are available.	0	0	0	1	6	4.615
					Total	100.000

Table 6. Military values for the example air stations.

Questions	Air Stations							
	PAC				LNT			
	1	2	3	4	1	2	3	4
Is there a NADEP located at this air station?	1	1	1	1	1	0	1	1
Does the air station have specialized training simulators?	1	0	0	1	1	1	0	1
Does the air station have bombing ranges?	1	1	1	0	1	1	0	1
No ATC constraints are expected in the future.	1	1	1	0	1	1	1	0
Air station has the ability to berth naval vessels.	1	1	0	1	1	1	1	1
No foreseeable encroachment problems at this air station.	1	0	1	1	1	1	1	1
Off-base housing is affordable.	1	0	1	1	1	1	1	1
Base is free of environmental problems that prohibit development.	0	0	1	1	1	1	1	1
Military and civilian medical and dental care are available.	1	1	1	1	0	0	1	0
Military value	92.96	65.89	85.49	69.14	95.38	74.43	68.82	90.65

Table 7 summarizes the ranking of the eight air stations and their military value scores.

Table 7. Military value assessment results.

Air station	Military value
LNT1	95.38
PAC1	92.96
LNT4	90.65
PAC3	85.49
LNT2	74.43
PAC4	69.14
LNT3	68.82
PAC2	65.89

Step 3. Configuration Analysis

In this example, five types of aircraft squadrons must be allocated to the air stations. Each of the five types of aircraft squadrons requires certain resources to maintain their operational readiness. The allocation is constrained by the resources available at each air station and the requirement for resources by each allocat[illegible] squadron. Table 8 shows the resource [illegible]quirements for each type of squadron. All [illegible] the aircraft may be assigned to a type II hangar, but a P-3 aircraft squadron may only be assig[illegible] II hangar. Type I hangars are not tall enough to fit the P-3 tail.

Table 8. Squadron resource requirements.

Squadron type	Ramp space (KSF)	Runway ops (evol/day)	Hangar module type	Training airspace			
				Fighter	Attack	MPA	Helo
F-14	120	40	I or II	1	0	0	0
FA-18	100	80	I or II	1	1	0	0
A-6	150	30	I or II	0	1	0	0
P-3	200	15	II	0	0	1	0
H-60	75	40	I or II	0	0	0	1

Table 9 lists the resources available at each air station. In this example, ramp space measures the area available for parking aircraft outside the hangars. Runway operations capacity measures the capacity of the runways and taxiways of an air station to generate sorties. Training air space resources are necessary to maintain squadron readiness.

Table 9. Air station available resources.

Resource type	Air station								Total
	PAC1	PAC2	PAC3	PAC4	LNT1	LNT2	LNT3	LNT4	
Ramp space (SF)	1000	1500	2200	750	1700	1400	1000	900	10450
Runway ops (evolutions/day)	400	1200	500	240	600	1100	500	250	4790
Type I modules	8	12	6	4	12	12	4	4	62
Type II modules	0	0	6	2	0	0	4	4	16
Training airspace									
Fighter	10	15	5	5	10	11	5	0	61
Attack	5	15	10	5	6	12	5	0	58
MPA	2	0	5	5	0	0	5	5	22
Helo	2	0	5	5	0	0	5	5	22

Finding the set of air stations having the smallest total number of hangar modules that can hold all of the squadrons and satisfies the average military value constraint is the optimization problem that must be solved. The three best solutions to this optimization problem are given in table 10. The formulation of

this optimization problem in the AMPL modeling language[3] is included in appendix A along with the corresponding data file. Optimal solutions were obtained using the OSL solver[4]. Table 10 shows the retained air stations and the total number of hangar modules at the retained air stations. The table also shows the average military value of the retained air stations.

Table 10. Air station optimal solutions.

Air Station	First solution	Second solution	Third solution
PAC1	0	1	1
PAC2	1	0	1
PAC3	1	1	1
PAC4	0	1	0
LNT1	1	1	1
LNT2	0	0	0
LNT3	1	1	1
LNT4	1	1	1
Hangar modules retained	52	54	60
Average military value	81.246	83.740	83.198

In this example, the second-best solution, while having only two more hangar modules, has an average military value that is more than two points higher than the best solution. If this was a real case, these results would be briefed to the BSEC for consideration in their deliberations.

Note that these solutions do not eliminate all of the excess capacity identified in the capacity analysis. The optimal solution retains 52 hangar modules, five more than the number required. There is no solution with a smaller number of retained hangar modules that satisfies the constraints on the potential solutions.

Naval Shipyard Example

For this example, six shipyards are considered. Three of the shipyards are on the Pacific Coast: SYP1, SYP2, and SYP3. SYL1, SYL2, and SYL3 are shipyards on the Atlantic Coast. Two types of work are done in these shipyards: nuclear and non-nuclear repairs. Throughput capacity is measured in millions of direct labor man-hours (MDLMH) of repair work that can be fit into each shipyard. Each shipyard has the capacity to do a certain amount of these types of work and each shipyard has a total capacity for both types of work. Sometimes the total capacity is less than the sum of the individual work type capacities

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because some flexibility between the facilities is required for each [illegible] of work. The capacities for each of the six shipyards are displayed in table 11.

Table 11. Shipyard capacities (MDLMH).

Type of work	Pacific Coast shipyards			Atlantic Coast shipyards			Total
	SYP1	SYP2	SYP3	SYL1	SYL2	SYL3	
Nuclear	4.0	5.0	4.5	0	3.0	0	16.5
Non-nuclear	0.5	3.0	2.0	2.7	1.0	0.5	9.7
Total capacity	4.0	7.0	6.0	2.7	4.0	0.5	24.2

Step 1: Capacity Analysis

For this example, 9.75 million direct labor man-hours are required for nuclear work and 7.95 million direct labor man-hours are required for non-nuclear work. Given 41 percent excess capacity for the nuclear work and 18 percent for non-nuclear work, the process must go on with military value assessment and configuration analysis.

Step 2: Assessing Military Value

The questions used in this example to assess the military value of shipyards are shown in table 12. Table 12 also shows the applicability of each question to the military value criteria and the score and military value weight for each question.

Table 13 shows how each of the six shipyards was scored on each of the 13 questions and the resulting military value for each. The average military value for the six shipyards is 43.

Step 3: Configuration Analysis

The configuration analysis finds the set of shipyards whose sum of total capacities is the smallest and sum of nuclear and non-nuclear capacities are sufficient to do the requisite amount of nuclear and non-nuclear repair work. In addition, the retained shipyards must have an average military value of at least 43. Table 13 displays the best, the second-best, and third-best solutions.

The optimal solution in this example has a total capacity that exactly matches the total requirement, 17.7. On the one hand, this appears to be the perfect solution. On the other hand, if the requirement is understated, the capacity will be insufficient. Of the three solutions given here, only the third one has sufficient capacity to perform at a level that is 10 percent higher than the estimated requirement. The third solution also has the highest average military value. It is likely that if the BSEC were to be presented with a situation similar to this, it would consider the possibility that the estimates of future requirements were understated. If the real requirements were 10 percent higher than the figures used here, only the third solution would have the necessary capacities. Given the higher average military value of the third solution and its extra capacity, the BSEC might elect to pursue that alternative. The formulation of this optimization problem in the AMPL modeling language is included in appendix A along with the corresponding data file. Optimal solutions were obtained using the OSL solver.

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Off-base housing is affordable.	0	1	0	1	4	9.393
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Military and civilian medical and dental care are available.	0	0	0	1	6	4.615
					Total	100.000

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	PAC				LNT			
	1	2	3	4	1	2	3	4
Is there a NADEP located at this air station?	1	1	1	1	1	0	1	1
Does the air station have specialized training simulators?	1	0	0	1	1	1	0	1
Does the air station have bombing ranges?	1	1	1	0	1	1	0	1
No ATC constraints are expected in the future.	1	1	1	0	1	1	1	0
Air station has the ability to berth naval vessels.	1	1	0	1	1	1	1	1
No foreseeable encroachment problems at this air station.	1	0	1	1	1	1	1	1
Off-base housing is affordable.	1	0	1	1	1	1	1	1
Base is free of environmental problems that prohibit development.	0	0	1	1	1	1	1	1
Military and civilian medical and dental care are available.	1	1	1	1	0	0	1	0
Military value	92.96	65.89	85.49	69.14	95.38	74.43	68.82	90.65

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Training airspace									
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Attack	5	15	10	5	6	12	5	0	58
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Helo	2	0	5	5	0	0	5	5	22

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Table 11. Shipyard capacities (MDLMH).

Type of work	Pacific Coast shipyards			Atlantic Coast shipyards			Total
	SYP1	SYP2	SYP3	SYL1	SYL2	SYL3	
Nuclear	4.0	5.0	4.5	0	3.0	0	16.5
Non-nuclear	0.5	3.0	2.0	2.7	1.0	0.5	9.7
Total capacity	4.0	7.0	6.0	2.7	4.0	0.5	24.2

Step 1: Capacity Analysis

For this example, 9.75 million direct labor man-hours are required for nuclear work and 7.95 million direct labor man-hours are required for non-nuclear work. Given 41 percent excess capacity for the nuclear work and 18 percent for non-nuclear work, the process must go on with military value assessment and configuration analysis.

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Table 12. Shipyard military value questions.

Question	R	F	M	C	Score	MV weight
	40	25	15	20		
Can the NSY drydock a CVN/CV?	1	1	1	0	10	14.92
Can the NSY drydock 4 or more SSN-688s, simultaneously?	1	1	1	0	10	14.92
Can the NSY drydock 4 or more CG/DDG/DDs simultaneously?	1	1	1	0	9	13.43
Can the NSY drydock 4 or more SSN-637s, simultaneously?	1	1	1	0	4	5.97
Were more than 500 apprentices trained over the past 5 years?	0	0	0	1	4	3.20
The two closest fleet homeport concentrations average less than 500 miles from the NSY.	1	0	0	1	6	8.33
Is the average age of industrial plant equipment less than 25 years?	0	1	0	0	7	3.24
Site is in an "attainment" or "maintenance" air quality control area for CO, ozone, PM-10.	1	1	0	1	10	18.51
Can CVNs be berthed at this NSY for surge berthing?	0	0	1	0	1	0.44
Did the level of effort of nuclear shipwork exceed 3000 DLMYs on the average, annually from FY 1991?	1	0	0	0	10	5.86
Did the level of effort of non-nuclear shipwork exceed 2000 DLMYs on the average, annually from FY 1991?	1	0	0	0	9	5.29
Is the violent crime rate < 758/100,000?	0	0	0	1	1	0.80
Are more than 10 percent of crews of customer ships berthed on barges?	0	1	0	1	4	5.05
					Total	100

Table 1.3 Military values for the example shipyards.

Question	Pacific Coast shipyards			Atlantic Coast shipyards		
	SYP1	SYP2	SYP3	SYL1	SYL2	SYL3
Can the NSY drydock a CVN/CV?	1	1	1	1	1	0
Can the NSY drydock 4 or more SSN-688s, simultaneously?	0	1	0	1	0	1
Can the NSY drydock 4 or more CG/DDG/DDs simultaneously?	0	0	0	1	0	0
Can the NSY drydock 4 or more SSN-637s, simultaneously?	0	1	0	1	0	0
Were more than 500 apprentices trained over the past 5 years?	1	0	0	1	0	0
The two closest fleet homeport concentrations average less than 500 miles from the NSY.	1	1	0	0	0	0
Is the average age of industrial plant equipment less than 25 years?	1	1	0	1	1	0
Site is in an "attainment" or "maintenance" air quality control area for CO, ozone, PM-10.	0	0	1	0	1	1
Can CVNs be berthed at this NSY for surge berthing?	0	1	0	1	0	0
Did the level of effort of nuclear shipwork exceed 3000 DLMYs on the average, annually from FY 1991?	0	1	0	1	0	0
Did the level of effort of non-nuclear shipwork exceed 2000 DLMYs on the average, annually from FY 1991?	0	0	0	0	0	0
Is the violent crime rate < 758/100,000?	1	1	0	1	1	1
Are more than 10 percent of crews of customer ships berthed on barges?	0	0	0	0	1	0
Military value	30.49	54.51	33.44	62.81	42.53	34.24

Differences from BRAC 93

The analytical process used in the BRAC 95 process is a refinement of that used for the 1993 process. The major difference is the added capability that the AMPL/OSL mixed-integer linear programming solver gave to the modeling process. Many models used for the various subcategories are richer in the level of detail modeled. For example, the configuration model for the technical centers models the technical support functions and life-cycle support functions of the technical centers. This model had to consider the capabilities of each technical center in arriving at a solution. The technical center model was very complex, having nearly 10,000 variables and almost 1,000 constraints. This level of modeling would not have been possible with the tools available to the BSEC for the BRAC 93 process.

In several models, notional squadrons or other units were assigned to activities as part of the computations to assure that the retained sites could fit the workload. In some of these cases, fitting the units into a given set of retained activities in many different ways is possible. In these cases, the military

value was used to help the solver to determine that it had the best solution regarding retained sites. These features were designed such that they did not affect the choice of sites for retention.

Table 14. Naval shipyard optimal solutions.

Shipyard	First solution	Second solution	Third solution
SYP1	1	1	0
SYP2	1	1	1
SYP3	0	0	1
SYL1	1	1	1
SYL2	1	1	1
SYL3	0	1	0
Capacity retained (MDLMH)	17.7	18.2	19.7
Average military value	47.59	44.92	48.323

Summary

The analytical approach described in this paper was only a part of a much larger process by which the BSEC arrived at its recommendations. The analytical approach was a tool used by the BSEC. As can be seen in the record of the BSEC deliberations, the information that the BSEC considered went far beyond the information included in the configuration analysis. Recommendations, therefore, cannot be expected to follow exactly the optimal solutions from the configuration modeling. The configuration analysis did serve the purpose of framing a reasonable solution space for the BSEC to consider as they constructed the alternatives that were subjected to the COBRA analysis.

APPENDIX A

AMPL Model and Data Files for the Air Station Example

The following is the model file describing the air station model.

```
#######################################################################
#                                                                     #
#                                                                     #
# Example Air Station Model                                           #
#                                                                     #
# Model file for the AMPL/OSL mathematical program                    #
#                                                                     #
#######################################################################

set PAC_AS;      # The set of PAC air stations.

set LNT_AS;      # The set of LNT air stations.

set AS := PAC_AS union LNT_AS;  # The set of all air stations.

#######################################################################
# These sets are used to generate alternative solutions.              #
#######################################################################

set EXCLD1 within AS default {};  # A solution to be excluded.

set EXCLD2 within AS default {};  # A solution to be excluded.

set EXCLD_INTER := if card(EXCLD2) > 0 then (EXCLD1 inter EXCLD2)
                        else EXCLD1;

set EXCLD_1DIFF2 := EXCLD1 diff EXCLD2;    # Sites in EXCLD1 but not
                                           # in EXCLD2.

set EXCLD_2DIFF1 := EXCLD2 diff EXCLD1;    # Sites in EXCLD2 but not
                                           # in EXCLD1.

set EXCLD_COMPLEMENT := AS diff (EXCLD1 union EXCLD2);
               # The set of sites not in EXCLD1 or EXCLD2.

#######################################################################

set AC_TYPE;     # The set of aircraft squadron types.

set RESOURCE;    # The set of resource types excluding hangars.

set HANGARS;     # Resources corresponding to hangar modules.
```

```
param RES_AVAIL {AS, RESOURCE}; # The amount of resources available
                                # at each air station.

param AS_HANGARS {AS, HANGARS}; # The number of hangar modules of
                                # each type available at each type.

param RES_REQ {AC_TYPE, RESOURCE};  # The resources required for
                                    # each aircraft type squadron.

set AC_HNG within {AC_TYPE, HANGARS};   # Aircraft that must be
                                        # assigned to a particular
                                        # type of hangar.

param PAC_AC_REQ {AC_TYPE}; # Aircraft requirements for PAC.
param LNT_AC_REQ {AC_TYPE}; # Aircraft requirements for LNT.

#####################################################################
# Military value parameters.                                        #
#####################################################################

param MV {AS};  # Military value for each technical center.

param AVGMV := sum {i in AS} MV[i]/card(AS);
param MVCOEFF {i in AS} := MV[i]-AVGMV;
param mil_val_req default 0.0;  # RHS for the average military value
                                # constraint.

#####################################################################
# Decision variables.                                               #
#####################################################################

var OPEN {AS} binary;   # 1 if the air station is retained, and
                        # 0 otherwise.

var ASSIGN {AS, AC_TYPE} integer, >= 0; # The number of squadrons
                                        # of each type assigned to
                                        # each air station.

# The following variables, ALPHA, BETA,and GAMMA, are used to find
# alternative solutions.

var ALPHA binary; # At least one site from the intersection is excluded
                  # from the solution.

var BETA binary;  # At least one site from the complement of the union
                  # is included is included in the solution.

var GAMMA binary; # At least one site from
                  #   EXCLD1 - (EXCLD1 intersect EXCLD2)
                  # and at least one site from
                  #   EXCLD2 - (EXCLD1 intersect EXCLD2)
                  # are included in the solution.
```

```
##################   ##################################################
#                                                                    #
# Objective function.                                                #
#                                                                    #
######################################################################

# Minimize the retained hangar modules.

minimize total_modules:
    sum {j in AS} OPEN[j] * (sum {k in HANGARS} AS_HANGARS[j,k]);

######################################################################
# Constraints.                                                       #
######################################################################

# Maintain average military value.

subject to mil_val_avg:
    sum {j in AS} OPEN[j] * MVCOEFF[j] >= mil_val_req;

# Satisfy fleet aircraft requirements.

subject to PAC_requirements {i in AC_TYPE}:
    sum {j in PAC_AS} ASSIGN[j,i] = PAC_AC_REQ[i];

subject to LNT_requirements {i in AC_TYPE}:
    sum {j in LNT_AS} ASSIGN[j,i] = LNT_AC_REQ[i];

# Assignments are constrained by resources.

subject to resource_constraint {j in AS, k in RESOURCE}:
    sum {i in AC_TYPE} ASSIGN[j,i] * RES_REQ[i,k] <=
                    OPEN[j] * RES_AVAIL[j,k];

# Assignments must fit into available hangars.

subject to hangars_available_1 {j in AS}:
    sum {i in AC_TYPE} ASSIGN[j,i] <=
            OPEN[j] * sum {l in HANGARS} AS_HANGARS[j,l];

subject to hangars_available_2 {j in AS, l in HANGARS}:
    sum {i in AC_TYPE: (i,l) in AC_HNG} ASSIGN[j,i] <=
                OPEN[j] * AS_HANGARS[j,l];

######################################################################
# Exclude solutions defined by the sets EXCLD1 and EXCLD2.           #
######################################################################

subject to alt_opt_cond_1:
    sum {s in EXCLD_INTER} OPEN[s] <= card(EXCLD_INTER) - ALPHA;

subject to alt_opt_cond_2:
   sum {s in EXCLD_COMPLEMENT} OPEN[s] >= BETA;
```

```
subject to alt_opt_cond_3a:
   sum {s in EXCLD_1DIFF2} OPEN[s] >= GAMMA;

subject to alt_opt_cond_3b:
   sum {s in EXCLD_2DIFF1} OPEN[s] >= GAMMA;

subject to alt_opt_cond_123:
   ALPHA + BETA + GAMMA >= 1;
```

The following is the data file describing the air station example.

```
#######################################################################
#                                                                     #
# Example Air Station Model                                           #
#                                                                     #
# Data file for the AMPL/OSL mathematical program solver              #
#                                                                     #
#######################################################################

set PAC_AS := PAC1 PAC2 PAC3 PAC4;

set LNT_AS := LNT1 LNT2 LNT3 LNT4;

set EXCLD1 := LNT1 LNT3 LNT4 PAC2 PAC3;
set EXCLD2 := LNT1 LNT3 LNT4 PAC1 PAC3 PAC4;

set AC_TYPE := F14 FA18 A6 P3 H60;

set RESOURCE := RAMP RUNWAY TA_FIGHTER TA_ATTACK TA_MPA TA_HELO;

set HANGARS := TYPE1 TYPE2;

set AC_HNG :=   (P3, TYPE2);

param RES_AVAIL :
            RAMP    RUNWAY  TA_FIGHTER  TA_ATTACK   TA_MPA  TA_HELO :=
    PAC1    1000    400     10          5           2       2
    PAC2    1500    1200    15          15          0       0
    PAC3    2200    500     5           10          5       5
    PAC4    750     240     5           5           5       5
    LNT1    1700    600     10          6           0       0
    LNT2    1400    1100    11          12          0       0
    LNT3    1000    500     5           5           5       5
    LNT4    900     250     0           0           5       5;

param AS_HANGARS :  TYPE1   TYPE2 :=
            PAC1    8       0
            PAC2    12      0
            PAC3    6       6
            PAC4    4       2
            LNT1    12      0
            LNT2    12      0
            LNT3    4       4
            LNT4    4       4;
```

```
param RES_REQ :
            RAMP    RUNWAY  TA_FIGHTER  TA_ATTACK   TA_MPA  TA_HELO :=
    F14     120     40      1           0           0       0
    FA18    100     80      1           1           0       0
    A6      150     30      0           1           0       0
    P3      200     15      0           0           1       0
    H60     75      40      0           0           0       1;

param :     PAC_AC_REQ  LNT_AC_REQ :=
    F14     4           4
    FA18    8           8
    A6      3           3
    P3      4           4
    H60     4           5;

param MV :=
    PAC1    92.96
    PAC2    65.89
    PAC3    85.49
    PAC4    69.14
    LNT1    95.38
    LNT2    74.43
    LNT3    68.82
    LNT4    90.65;
```

APPENDIX B

AMPL Mode and Data Files for the Naval Shipyard Example

```
#######################################################################
#                                                                     #
#    Example Naval Shipyard                                           #
#                                                                     #
#    Model file for the AMPL/OSL mathematical program                 #
#                                                                     #
#######################################################################

set SYLANT; # The set of LANT shipyards.

set SYPAC;  # The set of PAC shipyards.

set SY := SYLANT union SYPAC;   # The set of all shipyards.

set WORK;   # The set of work types performed at shipyards.

#######################################################################
# These sets are used to generate alternative solutions.              #
#######################################################################

set EXCLD1 within SY default {}; # A solution to be excluded.

set EXCLD2 within SY default {}; # A solution to be excluded.

set EXCLD_INTER := if card(EXCLD2) > 0 then (EXCLD1 inter EXCLD2)
                       else EXCLD1;

set EXCLD_1DIFF2 := EXCLD1 diff EXCLD2;   # Sites in EXCLD1 but not
                                          # in EXCLD2.

set EXCLD_2DIFF1 := EXCLD2 diff EXCLD1;   # Sites in EXCLD2 but not
                                          # in EXCLD1.

set EXCLD_COMPLEMENT := SY diff (EXCLD1 union EXCLD2);
               # The set of sites not in EXCLD1 or EXCLD2.

#######################################################################
#    Parameters                                                       #
#######################################################################

param require {WORK} >= 0;  # Requirements by worktype.

param sy_cap {WORK,SY} >= 0;     # Maximum workload that can be
                                 # assigned to shipyards.
```

```
param tot_cap {SY} >= 0;

param MV {SY} >= 0; # Military value of each shipyard.

param AVGMV := sum {j in SY} MV[j]/card(SY);
param MVCOEFF {j in SY} := MV[j] - AVGMV;
param mil_val_req default 0;     # RHS for the average military value
                                 # constraint.

param mult >= 0;     # Adjustment factor for requirements.

#####################################################################
#   Decision variables.                                             #
#####################################################################

var OPEN {SY} binary >= 0;  # Decision variable for each shipyard:
                            # 1 if shipyard is to be retained,
                            # 0 otherwise.

var ASSIGN {i in WORK, j in SY} >= 0;   # Amount of work to assign to
                                        # each shipyard.
# The following variables, ALPHA, BETA,and GAMMA, are used to find
# alternative solutions.

var ALPHA binary; # At least one site from the intersection is excluded
                  # from the solution.

var BETA binary;  # At least one site from the complement of the union
                  # is included is included in the solution.

var GAMMA binary; # At least one site from
                  #   EXCLD1 - (EXCLD1 intersect EXCLD2)
                  # and at least one site from
                  #   EXCLD2 - (EXCLD1 intersect EXCLD2)
                  # are included in the solution.

#####################################################################
#                                                                   #
#  Objective Function: minimize total capacity of open shipyards    #
#                                                                   #
#####################################################################

minimize capacity:
        sum {j in SY} tot_cap[j] * OPEN[j];

#####################################################################
#    Constraints                                                    #
#####################################################################

# Maintain average military value.

subject to mil_val_avg:
      sum {j in SY} MVCOEFF[j] * OPEN[j] >= mil_val_req;
```

```
# Ensure that workload requirements can be met.

subject to workload_check {i in WORK}:
    sum {j in SY} ASSIGN[i,j] = mult * require[i];

# Ensure that shipyard nuclear capacities are not exceeded.

subject to nuc_workload_check {j in SY}:
    ASSIGN["NUC",j] <= sy_cap["NUC",j] * OPEN[j];

# Do not exceed total shipyard capacity.

subject to total_workload_check {j in SY}:
    sum {k in WORK} ASSIGN[k,j] <= OPEN[j] * tot_cap[j];

#######################################################################
# Exclude solutions defined by the sets EXCLD1 and EXCLD2.            #
#######################################################################

subject to alt_opt_cond_1:
    sum {s in EXCLD_INTER} OPEN[s] <= card(EXCLD_INTER) - ALPHA;

subject to alt_opt_cond_2:
   sum {s in EXCLD_COMPLEMENT} OPEN[s] >= BETA;

subject to alt_opt_cond_3a:
   sum {s in EXCLD_1DIFF2} OPEN[s] >= GAMMA;

subject to alt_opt_cond_3b:
   sum {s in EXCLD_2DIFF1} OPEN[s] >= GAMMA;

subject to alt_opt_cond_123:
   ALPHA + BETA + GAMMA >= 1;
```

The following is the data file for the naval shipyard example.

```
#######################################################################
#                                                                     #
# Example Naval Shipyard Model                                        #
#                                                                     #
# Data file for the AMPL/OSL mathematical program solver              #
#                                                                     #
#######################################################################

set SYLANT:= SYL1 SYL2 SYL3;

set SYPAC:= SYP1 SYP2 SYP3;

set EXCLD1 := SYL1 SYL2 SYP1 SYP2;

set EXCLD2 := SYL1 SYL2 SYL3 SYP1 SYP2;

set WORK := NUC  NNUC;
```

```
param MV :=
    SYP1    30.49
    SYP2    54.51
    SYP3    33.44
    SYL1    62.81
    SYL2    42.53
    SYL3    34.24;

param sy_cap (tr) : NUC NNUC :=
        SYP1        4.0 0.5
        SYP2        5.0 3.0
        SYP3        4.5 2.0
        SYL1        0   2.7
        SYL2        3.0 1.0
        SYL3        0   0.5;

param tot_cap :=
    SYP1    4.0
    SYP2    7.0
    SYP3    6.0
    SYL1    2.7
    SYL2    4.0
    SYL3    0.5;

param require :=  NUC 9.75  NNUC 7.95;
```