

BRAC 2005
Technical Joint Cross-Service Group (TJCSG)
Meeting Minutes of 17 March 2005

Dr. Segal chaired the meeting. The agenda is enclosed in attachment 1. The list of attendees is enclosed in attachment 2. Read ahead materials for the meeting are enclosed in attachment 3. The primary objective for the meeting was to review the Candidate Recommendation (CR) and de-confliction status, to review the ISG and Critical Action Tracking Matrix, to review the CR Quality Assurance Checklist, to review the technical capacity measures, and to review the 22 March 2005 Red Team Briefing. The agenda topics are listed below in the order in which they were covered. The key points, decisions and action items from the meeting are as follows:

Technical Capacity Measures

Key Points:

- Five of the capacity measures have produced inconsistent results with large variations due to differences in component business models and interpretations. The FTEs, building use, and test hours are the only three measures that have produced consistent results.
- A TJCSG member recommended using FTEs, building use and test hours for the purpose of measuring technical capacity. The other parameters are still useful for qualitative analysis.

Decisions:

- The TJCSG decided to use only FTEs, building use and test hours as technical capacity measures. These measures will be reported in Tab E of the CR packages as well as in the final report. The other parameters will continue to be used to influence the analysis.
- The Analysis Team will update the Capacity Report to show FTEs, building use, and test hours as the final technical capacity measures used by the TJCSG.

CR Status

Key Points:

- TECH 42A & D will be ready for submittal to the OGC today.

Decisions:

- None

Service-JCSG CR De-Confliction Status – Dr. Short

Key Points:

- None

Decisions:

- The Analysis Team will prepare a matrix showing the status of all outstanding scenarios to be worked as directed by the ISG on 11 March 2005. This matrix will be provided at each TJCSG Meeting until all are closed out.

CR Quality Assurance Checklist – Mr. Shaffer

Key Points:

- Each CR package will be reviewed by two Service representatives to look for any inconsistencies, correct any simple administrative issues, and elevate any substantive issues to the TJCSG.

Decisions:

- None

Red Team Office Call Results – COL Buckstad

Key Points:

- The presentation of the Red Team Office Call Results was not discussed.

Decisions:

- None

22 March 2005 Red Team Briefing Review – BG Castle

Key Points:

- The Red Team Briefing will be updated to show the three technical capacity measures to be used by the TJCSG separate from the five that will no longer be used as decided in the earlier discussion regarding technical capacity.
- The purple will be changed to green on Chart 11. Also, "Technology Leaves" will be changed to "Research Vacates".
- The version of charts 12 and 13 used at the 11 March 2005, ISG Briefing, will be used instead of the ones presented today. However, for chart 13, "Cross-Service

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Centers will be added and the Land, Maritime, and Air & Space Centers will be indented below it.

- The purple will be changed to green on Chart 14. Also, "Technology Leaves" will be changed to "D&A Vacates".
- A final chart showing the NPV of all CRs will be added at the end of the presentation.

Decisions:

- If TECH-0060 becomes a CR, it will be added to the Maritime Systems Integrated RDAT&E Center block on the Transformational Framework chart.
- Mr. Strack will update the 22 March 2005 Red Team Briefing and post it to the portal by 1200 hrs EST, 18 March 2005.

Other Information:

- For TECH-0005 and 0006, the Navy is working to provide the Lakehurst data.
- Tech-0059 and 0060 will be ready by Friday, 25 March 2005.
- Tonight's, 17 March 2005, TJCSG Teleconference Call is cancelled.
- The Tuesday, 22 March 2005, TJCSG Meeting is cancelled.
- The Red Team Review is scheduled for Tuesday, 22 March 2005, from 1430-1630 hrs EST, in the Pentagon, Rm 3E808.

Action Items:

1. The Analysis Team will include FTEs, building use, and test hours as technical capacity measures in Tab E of the CR packages as well as in the final report.
2. The Analysis Team will update the Capacity Report to show FTEs, building use, and test hours as the final technical capacity measures used by the TJCSG.
3. The Analysis Team will prepare a matrix showing the status of all outstanding scenarios to be worked as directed by the ISG on 11 March 2005. This matrix will be provided at each TJCSG Meeting until all are closed out.
4. Mr. Strack will update the 22 March 2005 Red Team Briefing and post it to the portal by 1200 hrs EST, 18 March 2005.
5. The Air Force will check on the Availability of building space at March AFB to accommodate the Corona personnel associated with TECH-0060.

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Approved: _____


Mr. Al Shaffer

Executive Director

Technical Joint Cross Service Group

Attachments:

1. Outline -Agenda
2. List of Attendees
3. Read Ahead Materials

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Attachment 2
Technical JCSG Meeting
March 17, 2005
Attendees

Members:

Dr. Ron Segal, Chairman

Dr. Dan Stewart, Air Force Alternate for Mr. Blaise Durante, Air Force (Via Telephone)

Dr. Bob Rohde, Army Alternate for Mr. Brian Simmons, Army

COL Walt Hamm, Marines Alternate for Dr. Barry Dillon, Marines

RADM Jay Cohen Navy

Other:

Mr. Al Shaffer, CIT Chairman

Mr. George Ryan, Navy CIT Rep

BG Fred Castle, OSD

Mr. Gary Strack, OSD

Mr. Andy Porth, OSD BRAC

Ms. Marie Felix, OSD

Mr. Don DeYoung, Navy

Mr. Roger Florence, DoD IG

COL Pete DeSalva, Marines

Mr. Matt Mleziva, C4ISR Subgroup Lead

Dr. Larry Schuette, Innovative Systems Subgroup Lead

Mr. Bob Arnold, Weapons and Armaments Subgroup Rep

Dr. Jim Short, OSD

Mr. Thom Mathes, ALSS Subgroup Lead

Mr. Doug Nation, Air Force

Mr. Kaleb Redden, OSD BRAC

Mr. Alex Yellin, OSD BRAC

COL Bob Buckstad, OSD

17 Mar 05 TJCSG

AGENDA

Pentagon, Rm 4E987

1400-1600 hrs EST

- Recommendation Status – Dr. Short
- Service-JCSG Scenario/Recommendation De-confliction Status – Dr. Short
- ISG and Critical Action Tracking Matrix – Mr. Shaffer
- Candidate Recommendation Quality Assurance Checklist - Mr. Shaffer
- Technical Capacity Measures – BG Castle
- Red Team Office Call Results - COL Buckstad/BG Castle
- 22 Mar 05 Red Team Briefing Review - BG Castle

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March 17, 2005
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Dr. Ron Segal, Chairman
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COL Walt Hamm, Marines Alternate for Dr. Barry Dillon, Marines
RADM Jay Cohen Navy

Other:

Mr. Al Shaffer, CIT Chairman
Mr. George Ryan, Navy CIT Rep
BG Fred Castle, OSD
Mr. Gary Strack, OSD
Mr. Andy Porth, OSD BRAC
Ms. Marie Felix, OSD
Mr. Don DeYoung, Navy
Mr. Roger Florence, DoD IG
COL Pete DeSalva, Marines
Mr. Matt Mleziva, C4ISR Subgroup Lead
Dr. Larry Schuette, Innovative Systems Subgroup Lead
Mr. Bob Arnold, Weapons and Armaments Subgroup Rep
Dr. Jim Short, OSD
Mr. Thom Mathes, ALSS Subgroup Lead
Mr. Doug Nation, Air Force
Mr. Kaleb Redden, OSD BRAC
Mr. Alex Yellin, OSD BRAC
COL Bob Buckstad, OSD

Technical Capacity Incorporation within TJCSG

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Technical Capacity Incorporation

- Three-Pronged Approach
 - Candidate Recommendation
 - Capacity Analysis Report
 - Final Report
- Within Candidate Recommendation
 - Quad Chart (Tab B)
 - Candidate Recommendation Narrative (Tab C)
 - Capacity Report (Tab E)

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Current Technical Capacity

- In Candidate Recommendation
 - Technical Capacity Not Addressed
 - Physical Capacity Addressed at Technical Facility Level
 - In Capacity Analysis Report
 - Building Use (Sq Ft)
 - Work Years (FTEs) – Most Reliable and Used Extensively to Date
 - Test Resource Workload (Test Hrs)
 - Equipment Use
 - Facility Use
 - Funding
 - ACAT Funding
 - Number of ACATs
- } **Inconsistent/Large Variations**

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TECH-0054 Equipment Use

TECH-0054 Technical Capacity (Equipment Use)							
Facility Name	Current Capacity Days	Current Usage Days	Potential Capacity Days	Capacity Available to Surge Days	Required to Surge Days	Excess Capacity Days	
China Lake Naval Air Warfare Center Weapons Division CA	8,049	8,049	9,287	1,238	8,854	433	
Pt Mugu Naval Air Warfare Center Weapons Division CA	9,289	9,289	11,256	1,967	10,218	1,038	
Patuxent River Naval Air Station MD	53,529	53,529	820,347	766,818	58,882	761,465	
Search							
China Lake Naval Air Warfare Center Weapons Division CA	8,098	8,098	8,139	41	8,908	(769)	
Pt Mugu Naval Air Warfare Center Weapons Division CA	0	0	0	0	0	0	
Patuxent River Naval Air Station MD	11,401	11,401	734,452	723,051	12,541	721,911	
T&E							
China Lake Naval Air Warfare Center Weapons Division CA	8,464	8,464	9,579	1,115	9,310	269	
Pt Mugu Naval Air Warfare Center Weapons Division CA	12,113	12,113	17,892	5,779	13,324	4,568	
Patuxent River Naval Air Station MD	40,358	40,358	897,030	856,672	44,394	852,636	

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Recommended Technical Capacity Measures

Addressed for Each Candidate Recommendation

- Work Years (FTEs) for D&A, Research, & T&E (Non-OAR)
 - Technical Capability Area Level
 - Parallel With Military Value – Separately for each Function

- Test Resource Workload (OAR Test Hours) in Appropriate Candidate Recommendations (Tech #005)
 - Technical Capability Area Level
 - Open Air Range Test Hours in Appropriate Scenarios

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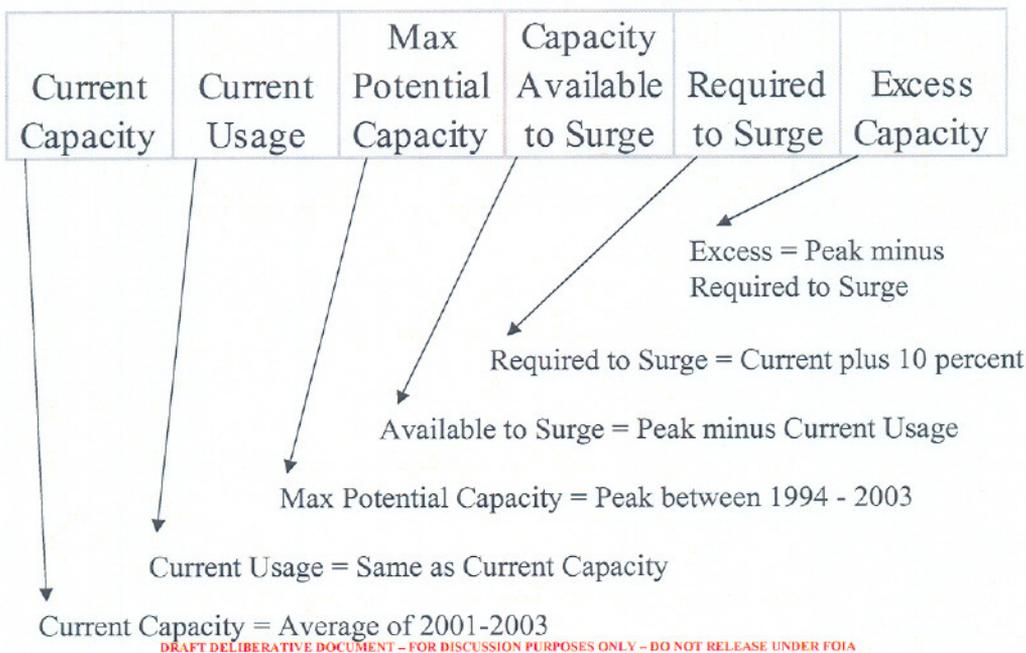
Data Sources

- Work Years (FTEs)
 - TJCSG Final Capacity Analysis Report

- Test Resource Workload (OAR Test Hours)
 - E&T JCSG

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Terms of Reference



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#Tech-0054: Navy C4ISR RDAT&E Consolidation

Candidate Recommendation: Close Naval Air Warfare Center, Weapons Division, Pt. Mugu, CA. **Relocate** the Sensors, Electronic Warfare (EW), and Electronics Research, Development, Acquisition, Test & Evaluation (RDAT&E) functions to Naval Air Warfare Center, Weapons Division, China Lake, CA.

<u>Justification</u>		<u>Military Value</u>	
<ul style="list-style-type: none"> Eliminate redundant infrastructure More efficient use of retained assets Scenario supports future Required Technical Capacity Gaining location(s) can support realigned Technical Capacity 		<ul style="list-style-type: none"> China Lake has higher quantitative MV in R and T&E. Point Mugu has slightly higher quantitative MV in D&A, although approximately the same Military judgment said consolidation at China Lake provides highest overall Military Value 	
<u>Payback</u>		<u>Impacts</u>	
<ul style="list-style-type: none"> One-time cost: \$72.8M Net implementation cost: \$51.0M Annual recurring savings: \$ 6.7M Payback time: 13 years NPV (savings): \$13.8M 		<ul style="list-style-type: none"> Criteria 6: -1075 jobs (479 direct, 596 indirect); <0.3% Criteria 7: No issues Criteria 8: No impediments 	

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TECH-0054 FTEs

TECH-0054 Technical Capacity (Work Years)						
Facility Name	Current Capacity	Current Usage	Max Potential Capacity	Capacity Available to Surge	Required to Surge	Excess Capacity
	FTEs	FTEs	FTEs	FTEs	FTEs	FTEs
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	160	160	303	143	176	127.0
Pt Mugu Naval Air Warfare Center Weapons Division CA	387	387	540	153	425.7	114.3
Patuxent River Naval Air Station MD	1375	1375	1622	247	1512.5	109.5
Research						
China Lake Naval Air Warfare Center Weapons Division CA	135	135	254	119	148.5	105.5
Pt Mugu Naval Air Warfare Center Weapons Division CA	10	10	10	0	11	(1.0)
Patuxent River Naval Air Station MD	301	301	392	91	331.1	60.9
T&E						
China Lake Naval Air Warfare Center Weapons Division CA	529	529	706	177	581.9	124.1
Pt Mugu Naval Air Warfare Center Weapons Division CA	85	85	87	2	93.5	(6.5)
Patuxent River Naval Air Station MD	728	728	785	57	800.8	(15.8)

FTEs Are Used Pervasively (COBRA, Economic Impact, ...)

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RECOMMENDATIONS

- Analyze Two Technical Capacity Measures as Appropriate
 - Work Years (FTEs) – D&A, Research, and T&E (Non-OAR)
 - Test Resource Workload (OAR Test Hours)
- Include Capacity Statements in Each Candidate Recommendation
 - Quad (Justification)
 - Narrative, Tab E
 - Only Include FTE and OAR Test Hour Tables (vs all 8 at Tab E)
- Revise Capacity Analysis Report and Include in Final Report

Evaluation and Inclusion of Appropriate Technical Capacity Meets Wynne Directive to Validate With Data the TJCSG's Strategy-Driven Scenario Derivations

BACKUPS

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TECH-0054 Facility Use

TECH-0054 Technical Capacity (Facility Use)						
Facility Name	Current Capacity Days	Current Usage Days	Max Potential Capacity Days	Capacity Available to Surge Days	Required to Surge Days	Excess Capacity Days
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	5,354	5,354	5,662	308	5,889	(227)
Pt Mugu Naval Air Warfare Center Weapons Division CA	11,369	11,369	13,336	1,967	12,506	830
Patuxent River Naval Air Station MD	38,137	38,137	412,793	374,656	41,951	370,842
Research						
China Lake Naval Air Warfare Center Weapons Division CA	5,691	5,691	5,864	173	6,260	(396)
Pt Mugu Naval Air Warfare Center Weapons Division CA	0	0	0	0	0	0
Patuxent River Naval Air Station MD	30,093	30,093	419,779	389,686	33,102	386,677
T&E						
China Lake Naval Air Warfare Center Weapons Division CA	5,486	5,486	5,891	405	6,035	(144)
Pt Mugu Naval Air Warfare Center Weapons Division CA	8,212	8,212	21,137	12,925	9,033	12,104
Patuxent River Naval Air Station MD	40,628	40,628	389,802	349,174	44,691	345,111

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TECH-0054 Funding

TECH-0054 Technical Capacity (Funding)						
Facility Name	Current Capacity \$K	Current Usage \$K	Max Potential Capacity \$K	Capacity Available to Surge \$K	Required to Surge \$K	Excess Capacity \$K
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	21,082	21,082	32,376	11,294	23,190	9,186
Pt Mugu Naval Air Warfare Center Weapons Division CA	65,115	65,115	88,501	23,386	71,627	16,875
Patuxent River Naval Air Station MD	501,417	501,417	567,315	65,898	551,559	15,756
Research						
China Lake Naval Air Warfare Center Weapons Division CA	17,989	17,989	25,538	7,549	19,788	5,750
Pt Mugu Naval Air Warfare Center Weapons Division CA	1,910	1,910	3,114	1,204	2,101	1,013
Patuxent River Naval Air Station MD	72,486	72,486	108,118	35,632	79,735	28,383
T&E						
China Lake Naval Air Warfare Center Weapons Division CA	61,119	61,119	93,530	32,411	67,231	26,299
Pt Mugu Naval Air Warfare Center Weapons Division CA	19,881	19,881	21,904	2,023	21,869	35
Patuxent River Naval Air Station MD	201,417	201,417	244,453	43,036	221,559	22,894

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TECH-0054 Building Use

TECH-0054 Technical Capacity (Building Use)						
Facility Name	Current Capacity Sq Ft	Current Usage Sq Ft	Max Potential Capacity Sq Ft	Capacity Available to Surge Sq Ft	Required to Surge Sq Ft	Excess Capacity Sq Ft
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	23,985	23,985	45,480	21,495	26,384	19,097
Pt Mugu Naval Air Warfare Center Weapons Division CA	58,065	58,065	80,970	22,905	63,872	17,099
Patuxent River Naval Air Station MD	206,259	206,259	243,359	37,100	226,885	16,474
Research						
China Lake Naval Air Warfare Center Weapons Division CA	20,245	20,245	38,100	17,855	22,270	15,831
Pt Mugu Naval Air Warfare Center Weapons Division CA	1,470	1,470	1,500	30	1,617	(117)
Patuxent River Naval Air Station MD	45,090	45,090	58,776	13,686	49,599	9,177
T&E						
China Lake Naval Air Warfare Center Weapons Division CA	79,320	79,320	105,825	26,505	87,252	18,573
Pt Mugu Naval Air Warfare Center Weapons Division CA	12,780	12,780	13,005	225	14,058	(1,053)
Patuxent River Naval Air Station MD	109,206	109,206	117,693	8,487	120,127	(2,434)

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TECH-0054 ACAT Funding

TECH-0054 Technical Capacity (ACAT Funding)						
Facility Name	Current Capacity \$K	Current Usage \$K	Max Potential Capacity \$K	Capacity Available to Surge \$K	Required to Surge \$K	Excess Capacity \$K
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	51,275	51,275	68,161	16,886	56,403	11,759
Pt Mugu Naval Air Warfare Center Weapons Division CA	30,455	30,455	35,128	4,673	33,501	1,628
Patuxent River Naval Air Station MD	449,949	449,949	637,639	187,690	494,944	142,695
Sensors, Electronics, and Electronic Warfare (EW)						
Note: ACAT Funding applies only to D&A						

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TECH-0054 Number of ACAT Programs

TECH-0054 Technical Capacity (Number of ACATs)						
Facility Name	Current Capacity	Current Usage	Max Potential Capacity	Capacity Available to Surge	Required to Surge	Excess Capacity
D&A						
China Lake Naval Air Warfare Center Weapons Division CA	7	7	7	0	8	(1)
Pt Mugu Naval Air Warfare Center Weapons Division CA	7	7	7	0	8	(1)
Patuxent River Naval Air Station MD	47	47	88	41	52	36
Sensors, Electronics, and Electronic Warfare (EW)						
Note: ACAT Funding applies only to D&A						

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CANDIDATE RECOMMENDATION (CR) CHECKLIST

SELECTION PROCESS

- Is rationale consistent with “Overarching Strategy and Transformational Framework” paper?
- Does CR identify if action
 - a) Vacates all technical activity at a location?
 - b) If only technical activity is at installation, does CR identify possible closure?
- Are other actions needed if the site includes other (into terms of documentation) operations/missions/functions?

RECOMMENDATION

- Does the CR write up clearly identify the link to the strategy?
- Does CR list the Number of Technical Facilities before and after actions?
- Does rationale include summary of quantitative MV, and technical capacity assessments in terms of FTEs and test hours?
- If moving from higher to lower quantitative MV and/or military judgment, is rationale persuasive and based on transformational value or some other compelling business case?
- Is technical excess capacity reduced and consistent with final infrastructure footprint?
 - a) Has the CR reduced DoD wide technical capacity (using FTE’s) in an area, and if so, does the department still have “sufficient” capacity for the future.
- Are installations only referred to as gainers and donors? Ensure the term “losers” has been stricken from the CR or final report. Does it employ BRAC terminology?
- Does CR address both gainers and donors?
- Do gaining locations have sufficient excess technical physical capacity to accommodate the added infrastructure if new MILCON is not included?

JUSTIFICATION

- Does CR address aggregate technical capacity?
- Is there a discussion on the Synergy of Intellectual Capital and/or operational concerns both internal and external to the sites? Ensure the CR mentions the installations capability providing competition/complementary of ideas.
- Does the action move a technical facility from a “low quantitative MV” to a “high quantitative MV”?
If not, (i.e. “high quantitative MV” moves to “lower quantitative MV”), does it have a compelling and persuasive argument based on overarching strategy and transformational framework?
- Are the appropriate capacity measures used consistently for each function identified (i.e., FTEs for Research and D&A, and test hours for T&E)?
- Is there a description/explanation for how the capacity measures and how the capacity supports the recommendations?
- Does the CR accurately describe the benefits of the action to the Department?
 - a) Financial (NPV savings)
 - b) Transformational (Efficiency & effectiveness to the Department)
 - c) Provide force protection

IMPACT/ PAYBACK

- Does the narrative text address other costs?
- Does CR list the Number of Billets (government & contractor) at the location before and after the action?
- Does it use the following single lead-in statement -- “Assuming no economic recovery, this recommendation could result in a maximum potential reduction of XXX jobs (YYY direct jobs and ZZZ indirect jobs) over the 2006-2011 period in the (fill in name of the metropolitan

statistical area, metropolitan division, micropolitan statistical area or county) economic area, which is x.x percent of economic area employment."

If the impact is less than 0.1 percent then scenario proponents shall use the phrases "less than 0.1 %" in the last phrase of these statements.

Note: The statement wording and format came from Mr. Wynne memo dated 12/20/04, subj: Transformation through BRAC 2005 Policy Memorandum six --Selection Criterion 6.

OTHER QUESTIONS (Assumptions/Footnotes under Cobra Runs)

1. Were the assumption used for the COBRA runs validated with the MILDEPS to close the Gap wrt Services' certified data? If not validated, what's the status and what needs to be validated?
2. Are there open issues listed in the COBRA runs? If so, what's process/timeline for resolving?
3. For each CR, is there an appendix that describes each assumption used in the COBRA, and have discrepancies between component scenario data response and data assumption is used been resolved. If not have they been explain and approved by the TJCSG



RED TEAM BRIEFING

Technical Joint Cross Service Group

March 22, 2005

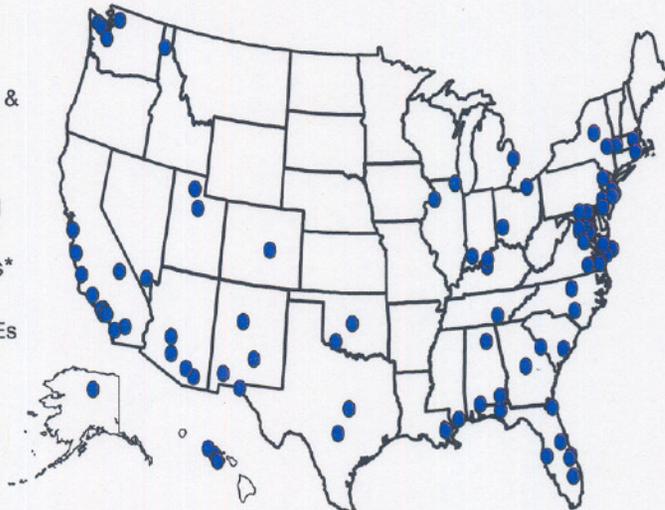
Mr. Al Shaffer

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RDAT&E Facilities*

- 3 Functions
 - Research
 - Development & Acquisition
 - Test & Evaluation
- ~\$130B Annual Funding
- 144 Installations*
- 157,315 FTEs
 - ___ Govt FTEs



*With greater than 30 Full time Equivalent personnel; Total number of facilities ~ 650

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TJCSG "Principles & Strategies"

Principles:

- 1) Ensure Efficiency--Consolidate to a few RDAT&E major centers with specialty sites as required
- 2) Competition of Ideas--Maintain Complementary/Competitive Sites

Strategies:

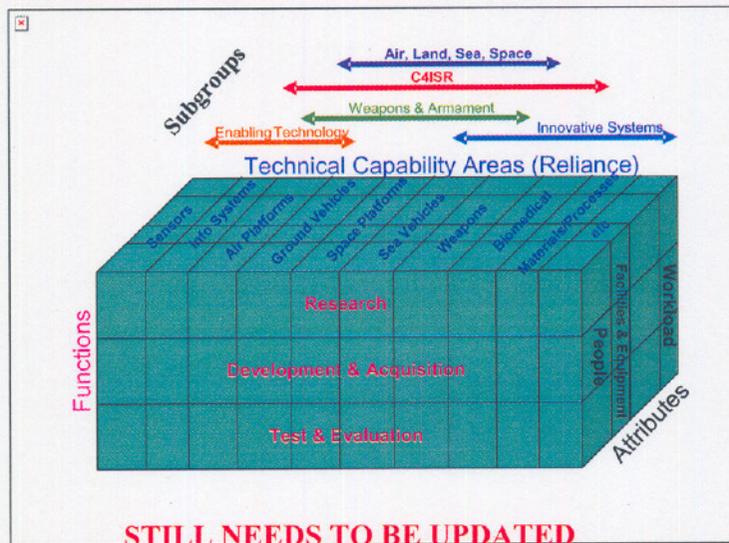
- 1) Establish Defense Research Laboratories
 - A. Collocate Program Managers
 - B. Reduce Number of In-House Laboratory Sites
- 2) Establish Air, Land, Maritime and Joint C4ISR Centers
- 3) Establish "Integrated" RDAT&E Centers for Major Defense Systems
- 4) Position Technical Sites for Jointness

3

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TJCSG MILITARY VALUE CONSTRUCT



4

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CAPACITY DEFINITIONS

- CURRENT CAPACITY = (FY01-03 Average)
- PEAK CAPACITY = (Highest Historical Average)
- REQUIRED CAPACITY
= Current + Force Structure Adjustment + Surge
- EXCESS CAPACITY = PEAK – REQUIRED

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TECHNICAL CAPACITY MEASURES

1. Work years
2. Equipment use
3. Facility use
4. Test resource workload
5. Funding
6. Building use
7. Number of ACAT programs
8. ACAT Funding

During COBRA Focused on Physical Space

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Military Value Definition

Quantitative:

4 Criteria (Statutory)

1. Mission
2. Facilities
3. Contingency
4. Cost

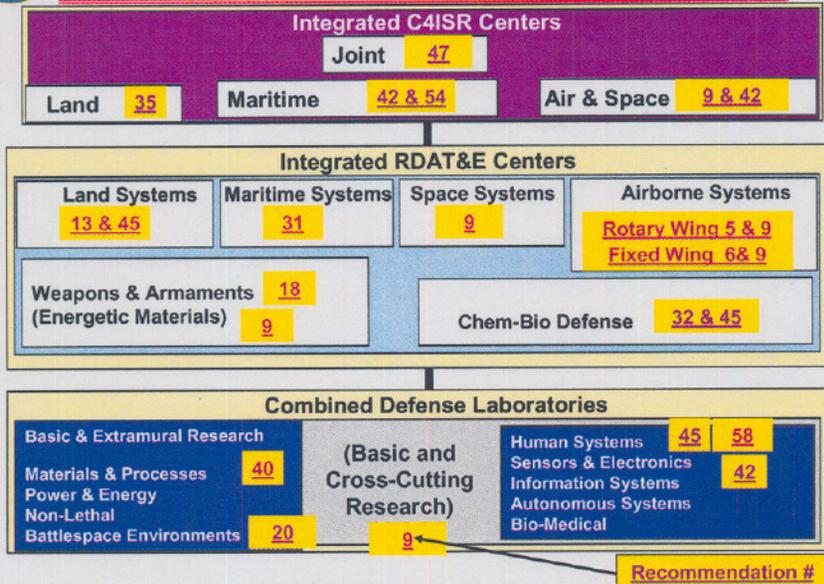
5 Attributes

1. People
2. Physical Environment
3. Physical Structures & Equipment
4. Operational Impact
5. Synergy

Qualitative: Military Judgment



TJCSG Transformational Framework with Candidate Recommendations





Scenario Families

	FAMILY	SCENARIOS
Combined Defense Lab	1. Collocation of Extramural Research PMs	40
	2. Defense Research Service Led Labs	9A&B
	3. Human Systems	45, 58
	4. Battlespace Environments	20
Integrated RDA&TE Centers	5. Chem-Bio Defense	32, 45
	6. Land Systems	13, 45
	7. Air Platforms (Fixed)	6, 9A
	8. Air Platforms (Rotary)	5, 9A
	9. Sea Vehicles	31
	10. Space Systems	9A
	11. Weapons & Armaments Centers	18A,C,D & E
	12. Guns and Ammo	18B
	13. Integrated C4ISR Centers	35, 42A,C & D, 47, 54

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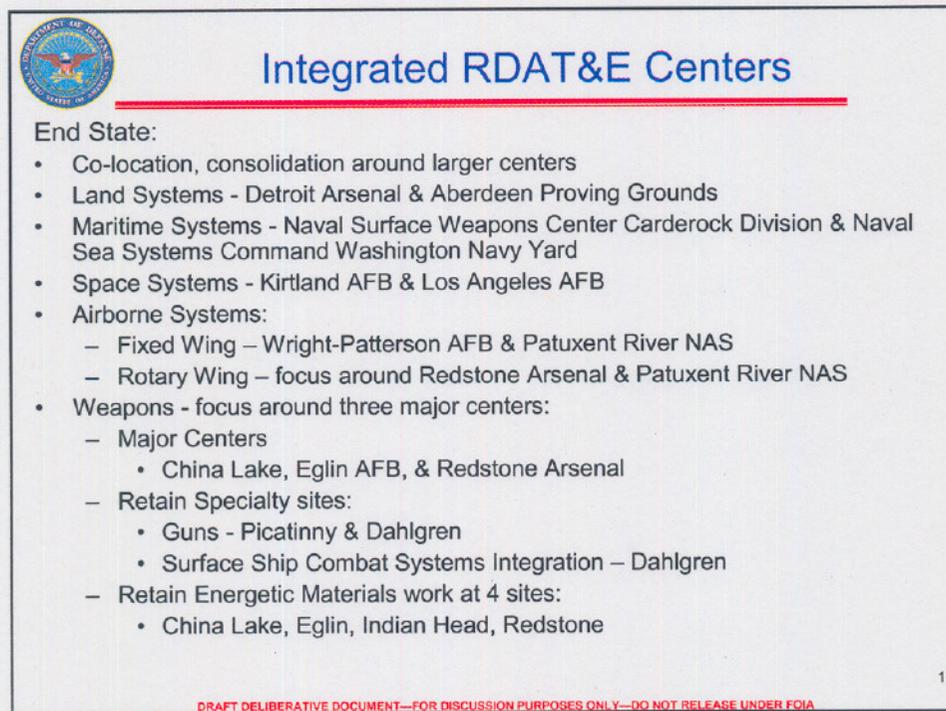
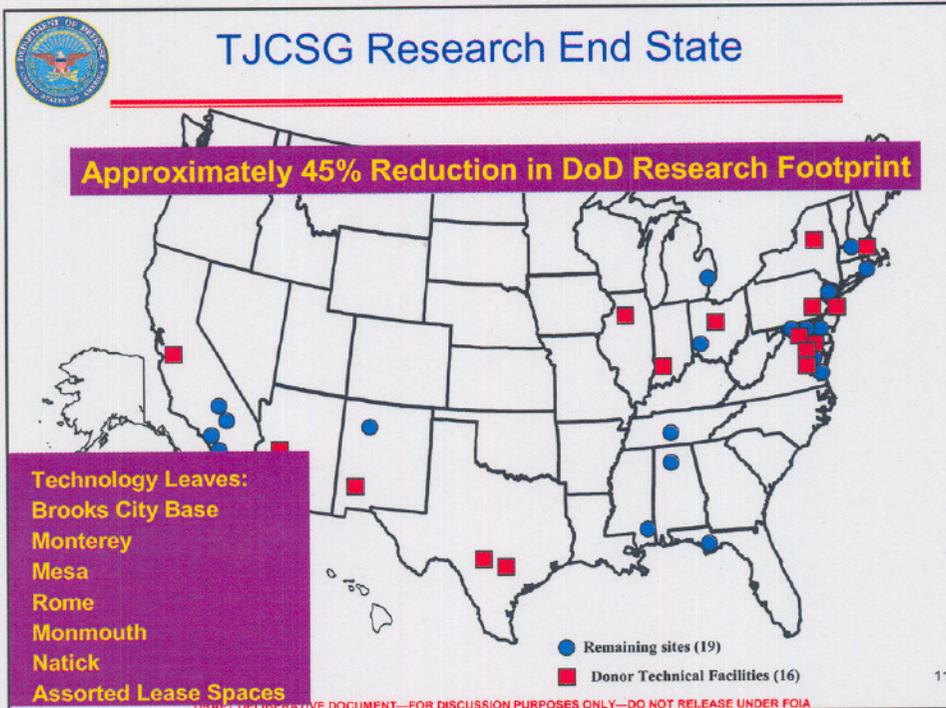
Combined Research Laboratories

Research End State:

- Co-location of Research Program Managers
 - Seven Sites to Anacostia
- Consolidation of Research Labs
 - Army—Aberdeen MD and Adelphi
 - Navy—Washington DC and Stennis Space Center MS
 - AF—Wright Patterson and Kirtland AFB
- Retention / Alignment of Product Centered Research for Major Acquisition (Major Defense Acquisition Program) Areas
 - E.G. C4ISR—Adelphi, San Diego, and Hanscom AFB

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Integrated C4ISR Centers

DCN: 11483

Create Domain Specific C4ISR Centers with an Overarching Joint Center

- Joint Center at Peterson AFB
- Land Centers at Ft. Belvoir and Adelphi MD
- Maritime Centers at San Diego and Dahlgren
- Air Centers at Hanscom and Wright Patterson AFB
- Specialty Center (underwater) at Newport RI
- Specialty Test Center at Edwards AFB

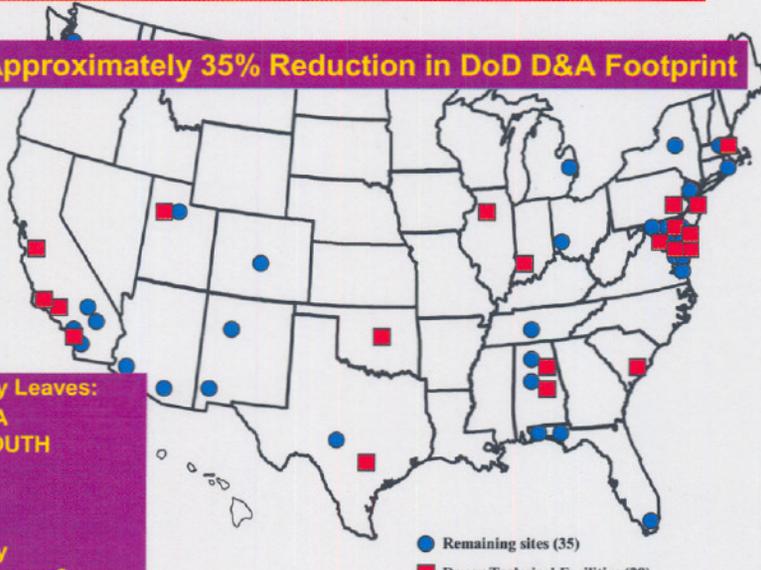
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TJCSG Development & Acquisition End State

Approximately 35% Reduction in DoD D&A Footprint



Technology Leaves:
 NATICK MA
 Ft. MONMOUTH
 CRANE
 PT. MUGU
 Corona
 Brooks City
 Assorted Lease Spaces

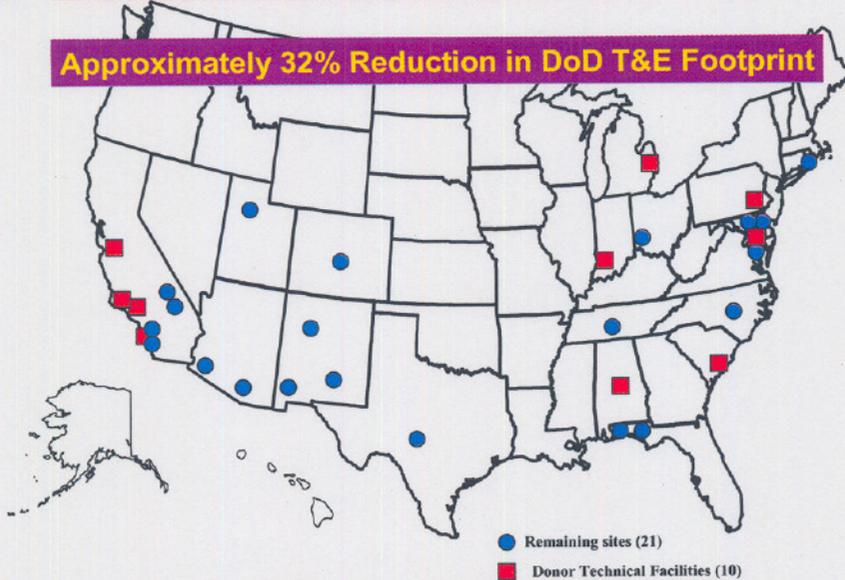
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TJCSG Testing & Evaluation End State



Approximately 32% Reduction in DoD T&E Footprint



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Back-Ups

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CAPACITY DEFINITIONS

- **CURRENT CAPACITY**
 - THE CAPACITY OF A BRAC TECHNICAL FACILITY – i.e., Weapons S&T at an installation
 - FY01-03 AVERAGE MEASURE
 - **PEAK CAPACITY**
 - THE MAXIMUM CAPACITY OF A BRAC TECHNICAL FACILITY AS REPORTED IN THE CAPACITY DATA CALL
 - **REQUIRED CAPACITY**
 - WHAT DOD WILL REQUIRE BASED ON \$ FY-09 PLUS FSA PLUS 10% SURGE REQUIREMENT. ATTAINED BY COMBINING THE CURRENT CAPACITIES OF **ALL** "LIKE" FACILITIES (Σ CURRENT CAPACITY_i) PROJECTED TO FY09 FYDP BUDGET BY DTAP + FSA + 10%
 - I.E., For Air Vehicles DTAP, R Function:
- $$\text{Required Capacity} = \text{Total Current Capacity} * \left(\frac{\$ \text{ FY09 FYDP For Air Vehicle DTAP}}{\$ \text{ FY01-03 AVE For Air Vehicle DTAP}} + \text{FSA} + 10\% \text{ SURGE} \right)$$
- REQUIREMENT
- **EXCESS CAPACITY = PEAK CAPACITY_i - REQUIRED CAPACITY**
 - AN **AGGREGATE CAPACITY** ATTAINED BY COMBINING THE PEAK YEAR CAPACITIES OF **ALL** "LIKE" FACILITIES (Σ PEAK CAPACITY_i) AND SUBTRACTING THE REQUIRED CAPACITY.
 - DOD-BASED

"FACILITY" – As TJCSG has DEFINED a BRAC TECHNICAL FACILITY
"LIKE FACILITIES" – All the BRAC TECHNICAL FACILITIES in one of the 39 Bins
 (13 DTAPS X 3 Functions)



HOMELAND DEFENSE CAPABILITIES

- Themes (**2/4 in our Lane!**)
 - ISR
 - Identify & track suspect air & maritime traffic
 - Conduct reconnaissance over wide areas
 - Discover potential threats
 - Information-Sharing
 - Integrate information
 - Share information



HOMELAND DEFENSE IMPLICATIONS

- Technology
 - Basic Research
 - Non-lethal capabilities
 - Automated triage, telemedicine, and self-care
 - Significant investment in advanced technology
 - Privacy
 - Collaboration tools
 - Imagery collection capabilities
 - Improved sensors
 - Improved remote detection of CBRNE materials

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DECISION FACTORS

1. Required terrain/climatic characteristics?
2. Necessary licenses and/or permits?
3. Existing physical structure & equipment support new workload?
4. Sufficient "buildable land"?
5. Physical structure(s) or equipment too costly/impossible to move?
6. Decrease unwarranted physical structure/equipment?
7. Required intellectual capital exist?
8. Reduce unwarranted technical personnel and/or mgmt overhead?
9. Two sources of intellectual capital where warranted?
10. Increase the synergy and/or jointness?
11. Leverage capabilities of other govt activities or the private sector?
12. Collocate technical facilities w/mission-related operational forces?
13. Enhance rapid response to meet operational deficiencies?
14. Enhance the tech facilities that support customers the most today?
15. Is it transformative?

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