

BRAC 2005
Technical Joint Cross-Service Group (TJCSG)
VTC Meeting Minutes of 24 June 2004

Mr. Al Shaffer chaired the meeting in the absence of Dr. Sega. The list of attendees is attached. Mr. Shaffer opened the meeting by providing a brief overview of the process for resolving open issues. He emphasized all issues will be written up as Critical Unresolved Issue Papers to be addressed first by the CIT and then presented for final decision from the TJCSG. He proceeded to cover all of the current open issues that must be resolved for release of Military Value questions. All issue papers covered at this meeting are attached. The key points, decisions and action items from the meeting are as follows:

Key Points and Decisions:

Critical Issue 6-24-04-01 Military Value Scoring Plan for Open Air Ranges (OARs)

- Dr. Foulkes proposed the following equation:

$$MV_{T\&E/DTAP/respondent} = (\alpha \bullet MV_{1-5 \text{ Test Resources}} + \beta \bullet MV_{OAR})$$

Where,

α = relative worth of Test Resources 1-5 on the overall T&E Military Value in a Defense Technology Area Plan (DTAP)

β = relative worth of Open Air Range, Test Resource 6, on the overall T&E Military Value in a Defense Technology Area Plan (DTAP)

Note: Calculation of either α or β , enables calculation of the other as the complement ($\alpha = 1 - \beta$).

The TJCSG approved the following:

1. Subgroup Leaders shall use military judgment to recommend α and β weights for the T&E function for each of their respective DTAP areas. These recommended weights shall be documented as an issue paper along with the rationale for how they were determined. The T&E Sub-Working Group of the Ranges Subgroup will provide input to the Subgroup Leaders regarding the determination of the weights.
2. The CIT will discuss the draft subgroup recommended weights at the Monday, 28 June 2004, CIT VTC. This discussion shall be limited to ensuring consistency.
3. The TJCSG Principals shall approve the α and β weights at the 30 June 2004 TJCSG VTC.
4. If the TJCSG cannot agree on the α and β weights during the 30 June 2004 TJCSG VTC, the α and β weights shall be assigned consistent with the CIT Chair recommendation in Issue Paper 6-24-04-01; namely, as a percentage of the test

hours by resource category. (NOTE: This is NOT the position of all of the TJCSG Principals)

5. The Military Value Analysis Report will be updated to reflect the final values and rationale.

Critical issue 6-24-04-02 Federally Funded Research & Development Centers (FFRDCs)

- Mr. Shaffer presented the recommendation as stated in the issue paper.
- Mr. Potochney indicated it would be necessary to develop rules that could be applied equally across the Department for determining when FFRDCs would be a factor in military value in order to fulfill the statutory requirement to treat all bases equally. Absent such rules, counting only FFRDCs at Hanscom AFB and Los Angeles AFB would be a violation of the statute.
- Dr. Stewart indicated those particular FFRDCs are examples of FFRDCs that are an integral part of the intellectual capital required to accomplish the mission at these locations. He indicated FFRDCs were established to fill a void for intellectual capital within DoD and therefore this intellectual capital should be included in the Military Value score.
- Mr. Potochney requested that rationale for differentiating FFRDCs from other contractors.
- Dr. Stewart stated FFRDCs are different from other contractors in that they are established by different statute and governed by different rules. He agreed that specific organizations should not be singled out, but rather the criteria for including FFRDCs should be applied across all installations.
- In regard to contract termination costs, Mr. Potochney indicated the costs could be avoided by using the time prescribed by the six year statutory requirement to implement BRAC recommendations to simply not renew contracts vice terminating.. He also stated potential cost associated with the relocation of an FFRDC due to a BRAC action may be accounted for during the COBRA analysis
- Mr. Potochney indicated that the TJCSG may raise the issue by asking Mr. Wynne to revisit his decision in his 4 June 2004 memo that contractors are not to be counted in the Military Value analysis.
- Mr. Shaffer indicated the TJCSG would like to seek clarification from Mr. Wynne on his intent of including FFRDCs in the no contractor decision.
- Dr. Dillon indicated he did not know how the TJCSG would be able to accurately account for all FFRDCs at other locations.
- Dr. Foulkes indicated he was not opposed to asking Mr. Wynne for clarification but he also indicated these same arguments could be made for all DoD contractors. Therefore any outcome should either include all contractors and not just FFRDCs or exclude all contractors
- Dr. Stewart indicated FFRDCs are auditable which would satisfy the IG recommendations to ensure any contractor data is auditable.
- Mr. Ryan indicated he was neutral on this issue.
- Dr. Short indicated this could have up to a 25% impact on the associated Military Value scores.

- Mr. Goldstajn indicated approximately 30% of the personnel at Hanscom AFB and Los Angeles AFB were FFRDC employees and therefore would be a significant impact to those locations.
- Dr. Dillon non-concurred with gathering the data and with the TJCSG asking for clarification.
- Dr. Foulkes non-concurred with gathering the data but concurred with asking for clarification.
- Mr. Ryan and Dr. Stewart indicated the TJCSG should get clarification first and then gather data in accordance with the decision.
- Mr. Shaffer left it to the Air Force to build the package to go forward for clarification.
- Mr. Shaffer indicated the data call would go out as is which includes FFRDCs for capacity and excludes FFRDCs in Military Value. If the decision was not made prior to Data Call #2 any necessary data clarifications would be made at a later date. In the mean time the questions for Data Call #2 will be prepared to be issued either way.

Critical Issue 6-24-04-03 Data Call Target List

- Mr. Potochney supported the TJCSG decision to seek data below the installation level if necessary.
- Dr. Foulkes indicated it is better to get data at a low level rather than a high level. Data can always be aggregated to a higher level later if necessary.
- Dr. Schuette indicated the PEO/PM relationship/location determination is still be worked by Dr. Higgins and Mr. Mleziva.
- Mr. Kratzmeier indicated the subject target list would be used for both Data Call #2 and Clarification of Data Call#1.
- Mr. Potochney indicated the rationale for criterion used to identify a target facility needs to be documented.
- Dr. Rohde took an action to write an issue paper to determine if a different limit than the current 30-person facility criterion or different metric would be more appropriate. If a future decision to change the limit is made and impacts the target list, data clarifications will be issued to any added target facilities.

Critical Issue 6-24-04-04 Defer 3 of 8 Capacity Calculations Until Scenarios

- TJCSG agreed to calculate all 8 capacity parameters prior to running the Linear Optimization Model.
- Air Force was the only non-concur vote as they indicated this created unnecessary workload for the field as well as the Analysis Team as infrastructure related calculations could be accomplished for only those locations to be considered in scenarios.

Critical Issue 6-24-04-05 ACAT Capacity Questions

- TJCSG approved the new ACAT capacity questions as written.

Critical Issue 6-24-04-06 Product In Service Engineering Capacity Data Call

- TJCSG agreed to establishing a cross-functional team from the Technical and Industrial JCSGs to:

- Develop common ISE definitions.
- Determine viable methods to differentiate between Technical and Industrial data related to ISE.
- Coordinate and share in analysis of data related to ISE that spans both technical and industrial activities
- COL Hamm was tasked to take the lead in forming this team.

Critical Issue 6-24-04-07 Request for Clarification (RFC) Process

- TJCSG approved the RFC Process.

Critical Issue 6-24-04-08 Status of Interim Capacity Analysis Report

- The TJCSG Principals agreed to review the subject report and to provide comments for approval of the report by COB tomorrow, 25 June 04.

Critical Issue 6-24-04-09 Definition of "Fielded"

- Dr. Rohde submitted a definition for the subject term to ensure consistent accurate data regarding ACAT Programs.
 - Mr. Mleziva has submitted an alternate definition.
 - Both proposals will be provided to the TJCSG Principals and they will provide comments for approval by COB tomorrow, 25 June 2004.
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- Next TJCSG VTC Scheduled for 30 June 2004, 0900-1000 hrs EST, 4E987.

Action Items:

1. Each Subgroup, with input from the T&E Sub-Working Group of the Ranges Subgroup, will determine the α and β values for the T&E function within each of their respective DTAPs. They will provide the rationale for their α and β values based on their expert military judgment. The Military Value Analysis Report will be updated to reflect the values and rationale. (POC: Subgroup Leads, provided as Issue Paper read aheads by 1200 hrs on 28 June 2004 and finalized by the CIT at the Monday 28 June 2004 CIT VTC at 1330- 1430 EST. TJCSG Principals will approve them at the 30 June 2004 TJCSG VTC at 0900-1000 EST.)
2. Prepare an issue paper to determine if a different metric than the current 30 person facility criterion would be more appropriate for determining data call target facilities. (POC: Dr. Rohde, provided as read aheads by 1200 hrs on 28 June 2004 and finalized by the CIT at the Monday 28 June 2004 CIT VTC at 1330-1430 EST. TJCSG Principals will approve them at the 30 June 2004 TJCSG VTC at 0900-1000 EST.)
3. Establish a cross-functional team from the Technical and Industrial JCSGs to:
 - Develop common ISE definitions.

- Determine viable methods to differentiate between Technical and Industrial data related to ISE.
- Coordinate and share in analysis of data related to ISE that spans both technical and industrial activities

(POC: COL Hamm to report status (No Decision) at 1 July 04 CIT VTC from 1100-1200 hrs.)

4. Provide comments on Interim Capacity Analysis Report for approval. (POC: TJCSG Principals by COB EST on 28 June 2004.)
5. Provide comments on Rohde and Mleziva proposed definitions for the term "fielded" for use in ACAT data call questions. (POC: TJCSG Principals by COB 25 June 2004.)

Approved: _____



Mr. Alan R. Shaffer

Acting Chairman, Technical Joint Cross Service Group

Attachments

1. Critical Unresolved Issues (as of 24 Jun 04)
2. CIT Issue Papers 24 June 2004

Technical JCSG Meeting
June 24, 2004
Attendees

Members:

Mr. Al Shaffer, OSD (alternate Chair for Dr. Ron Sega)
Dr. Dan Stewart, Air Force via VTC
Dr. John Foulkes, Army
Mr. George Ryan, Navy (Alternate for RADM Cohen, Navy) via telephone
Dr. Barry Dillon, Marines

Other:

Mr. Andy Porth, OSD BRAC Office
Mr. Al Goldstyan, AF CIT Rep via telephone
Mr. Roger Florence, DOD IG
Mr. Don DeYoung, Navy CIT Alternate
Dr. Bob Rohde, Army CIT Rep
Mr. Gary Strack, OSD
Col Eileen Walling, AF CIT Alternate
Dr. Larry Schuette, Innovative Systems Subgroup Lead
Mr. John Miner, AF Analysis Team Rep
Ms. Eileen Shibley, Navy C4ISR Team Member
Mr. Thom Mathes, Army, Air, Land, Sea and Space Systems Subgroup Lead
COL Pete DeSalva, Marines Analysis Team Lead
COL Walt Hamm, Marines CIT Rep
LCDR Jim Melone, Navy Analysis Team Rep
Mr. Steve Kratzmeier, Army Analysis Team Rep
Mr. Pete Cahill, Army CIT Alternate
Mr. Bob Arnold, AF Alternate Weapons and Armaments Subgroup Lead
Mr. Pete Potochney, OSD BRAC Office
Dr. Jim Short, OSD

Critical Unresolved Issues (As of 24 Jun 04)

Reference Number	Issue	Issue Paper Author/Date of Submittal to CIT	Required TJCSCG Executive Action/Date of Next TJCSCG Mtg	CIT Concur/Non-Concur With Issue Paper
6-24-04-01	Mill Val Scoring Plan for OAR	Dr. John Foulkes/ 22 Jun 04	Approval of an integrated scoring approach	Army – Concur AF – Non-Concur, Parse by Capability Area Navy – Non-Concur, Make OAR MV Score an input for LOM, 5% of DoD Total Marines – Same as Navy
6-24-04-02	FFRDCs	Mr. Al Goldstayn/ 22 Jun 04	Decision for Inclusion or Exclusion of FFRDCs in People Attribute for Mil Val	Army – Non Concur – All or No Contractors AF – Concur, Include FFRDCs Navy – Concur, Count only inside the fenceline Marines – Non Concur- No Contractors JCS – Concur CIT Chair Rec – Count MITRE at ESC Hanscom AFB & Aerospace at LAAFB
6-24-04-03	Data Call Target List	Dr. Larry Schuette/ 22 Jun 04	Approval of proposed target list of technical facilities for data calls	Army – Concur with list AF – Concur with List Navy – Concur with list Marines – Same as Navy

Critical Unresolved Issues (As of 24 Jun 04)

Reference Number	Issue	Issue Paper Author/Date of Submittal to CIT	Required TJCSG Executive Action/Date of Next TJCSG Mtg	CIT Recommendations
6-24-04-04	Defer 3 of 8 Capacity Calculations Until Scenarios	COL Pete DeSalva/ 22 Jun 04	Approval of recommendation to reverse previous TJCSG decision to defer infrastructure calculations	Army – Concur – Infrastructure needed for LOM AF – Non-Concur Navy – Concur – Infrastructure needed for LOM Marines – Concur – Infrastructure needed for LOM
6-24-04-05	New Capacity Questions for ACAT #'s and ACAT \$'s	Mr. Al Goldstayn/ 22 June 04	Approval of proposed capacity questions	Army – Concur AF – Concur Navy – Concur Marines – Same as Navy
6-24-04-06	Product In Service Engineering	COL Walt Hamm/ 22 Jun 04	Approval to form a team between TJCSG & Industrial JCSCG to look at ISE	Army – Concur AF – Concur Navy – Concur Marines - Concur
6-24-04-07	RFC Process	Mr. Harshad Shah/ 22 Jun 04	Approval of proposed RFC Process	Army – Concur AF – Concur Navy – Concur Marines - Concur
6-24-04-08	Interim Capacity Analysis Report	COL Pete DeSalva/ 24 Jun 04	Approval of Report	Army – Concur AF – Concur Navy – Concur Marines - Concur

MILITARY VALUE SCORING: PLAN FOR OAR

Issue #6-24-04-01

Issue: The TJCSG must approve a process to combine the military value of Open Air Ranges with the other five test resource categories.

Point of Contact: Mr. John Foulkes and Mr. Pete Cahill

Issue Summary:

- ISG determined that OAR MV will be determined by the TESWG of the Ranges subgroup.
- The TESWG will compute a single MV for each OAR; it is not suitable to parsing by DTAP.
- The TJCSG must integrate that MV with the MV of the other five resource categories.

Recommendation (Army): Import the entire MV score of the OAR into a DTAP area provided the OAR meets the criterion of performing at least 5 percent of its workload in that area. (Use a beta of one in adding the OAR MV directly to the non-OAR T&E value.)

AF Position: Non-Concur. Require TESWG IAW the Ranges Subgroup MOA to parse MV for OAR by technical capability area.

Navy Position: Non-Concur. Make the OAR MV score a separate input to the Linear Optimization Model. Should be 5% of the total DoD workload, not 5% of the specific range's workload.

Marine Position: Same as Navy

JCS Position: Abstain (No CIT member)

CIT Chair Recommendation: A TJCSG T&E Military Value (MV) will be assigned for each DTAP for each respondent doing T&E. This will be done for each DTAP area (air platform, space platform, etc.) using TJCSG data to compute Military Value for Test Resources (1-5) and using the MV for Test Resource 6 (OAR) calculated by the TESWG of the Ranges subgroup of the E&T JCSG. [Note: TJCSG will constrain the TJCSG Military Value questions to only collect data for Test Resource areas 1-5 (excludes Open Air Ranges).]

The incorporation of the respondent's OAR MV into the TJCSG MV will be accomplished by determining the applicable DTAP areas. This will be done by analyzing question #748 in Data Call #1, which mapped Test Resources to Test Resource Category and Technical Capability Areas. The formula for calculating a T&E MV by DTAP for a respondent is:

$$MV_{T\&E/DTAP/respondent} = (\alpha \bullet MV_{1-5 \text{ Test Resources}} + \beta \bullet MV_{OAR})$$

$$\alpha = \frac{(\# \text{ of test hours for test resources 1-5 by a respondent within DTAP})}{\text{Total test hours by respondent within DTAP}}$$

$$\beta = \frac{\text{\# of test hours for OAR by a respondent within DTAP}}{\text{Total test hours by respondent within DTAP}}$$

Note: Calculation of either α or β , enables calculation of the other as the complement ($\alpha = 1 - \beta$).

**FEDERALLY FUNDED RESEARCH & DEVELOPMENT CENTERS
Issue #6-24-04-02**

Issue: Whether or not the TJCSG can include FFRDC personnel as part of the People Attribute for determining the Military Value of a BRAC “technical facility.” Can the TJCSG satisfy the IG concerns about the adaptability and consistency of FFRDC data at all locations.

Point of Contact: Dr. Dan Stewart and Mr. Al Goldstayn

Issue Summary:

- Mr Wynne, in his 4 June 2004 Memo to TJCSG, directed that “the metrics and related questions that measure the qualifications of on-site contractor data need to be stricken from the TJCSG military report.”
 - Based on IG concern about auditability and consistency of data at all locations
 - FFRDC personnel, as a subset of on-site contractors, not specifically addressed
- Mr Wynne’s Memos to HAC and SAC on FFRDC Ceiling dated 3 May 04 (attachment 1), stipulate that “FFRDC work is consistent with each center’s mission, its core competencies, and the strategic relationship between the center and its sponsors.”
 - Clearly establishes the Military Value of FFRDC personnel as part of the “federally funded” DOD workforce
- FFRDCs are a significant portion of the technical workforce and the attendant technical competency of DOD technical facilities in all Services
 - Especially true for Space and C4ISR; homeland defense; as well as, advanced operating concepts for the war on terrorism, or other areas of innovation and advanced technologies (Mr Wynne’s 3 May 04 Memo to HAC & SAC)
- Adaptability and consistency of FFRDC data
 - Like government technical organizations, each FFRDC has information available in automated databases that is auditable by on-site DCAA personnel. For example, the Aerospace Corp maintains a personnel data base (see attachment 2 -- this attachment was coordinated w/ AFMC/JA) that includes
 - Education (Type of school, name of school, college, or university)
 - Degree Level (BS, MS, PhD)
 - Previous Employment (Industry, government, university, previous employer name...)
 - Consistent FFRDC data can be obtained at all locations because FFRDCs have legal/contractual requirements to provide Employee Demographic Data.
 - The FFRDC Sponsoring Agreements provide guidance concerning the personnel required, the education requirements, and the documentation and inspection of documentation in meeting such requirements
 - For example, in the Aerospace Corporation Sponsoring Agreement, Section IV para B: "The Aerospace Corporation shall conduct its business in a responsible manner befitting its special relationship with the Air Force to operate the FFRDC in the public interest with objectivity and independence; be free from organizational

- conflicts of interest; and have full disclosure of its affairs as operating an FFRDC to the sponsoring agency"
 - Full disclosure is a provision of FAR 35.017 (a) (2)
- FFRDC personnel -- like government personnel, but unlike other on-site contractors -- have to be moved as part of a BRAC action (attachment 3 – this attachment was coordinated with AFMC/JA)
 - The cost of personnel movement of special or mass nature (i.e. BRAC), are allowable under FAR 31.205.35e. Per FAR 31.205-35e, the cost should be assigned on basis of work (contracts) or time period benefited.
 - FAR 31.205 allows for reimbursement of facility-related costs used in support of government contracts. Facilities costs include utilities, maintenance and repairs, lease cost, building depreciation and leasehold improvement amortization.
 - Construction of new facilities cannot be done with DOD funds including fee, per Section 8034© of the DOD Appropriations Act of 1999. Aerospace would be reimbursed for cost to construct new facilities, as required under BRAC, through cost of money (CAS 414) and building depreciation on the new facilities. These costs are generally allowable under FAR 31.205-10 and 31.205.11.

Risks:

- Failure to include FFRDCs in People Attribute may inaccurately assess the Military Value of major technical facilities and in some cases entire military installations (by as much as 15%).
- Can lead to unexecutable scenarios and/or major under-estimation of COBRA costs.

Army Position: Non-Concur. Include all contractors or no contractors.

Navy Position: Concur, if we only count FFRDCs that are within the fence line and on Government property.

Marine Position: Non-Concur. Should not count contractors.

JCS Position: Concur (from Mr. Erb)

CIT Chair Recommendation: TJCSG Military Value Report and questions should capture the personnel characteristic data for those FFRDCs that are contractually tied to an RDAT&E function at an RDAT&E installation. Further, the data collection shall include specific auditable contract information tying the FFRDC to the RDAT&E facility. The FFRDC data shall be collected separately and the TJCSG shall take a position with the ISG to include the data. The Air Force agrees to build that package. (The intention is to include data for MITRE at ESC, Hanscom AFB and Aerospace Corporations at SMC, Los Angeles AFB.)

Attached Clarification Guidance:

1. Talking Points on How FFRDC Differ from Contractors
2. FFRDC Issue Paper: Legal or Contractual Requirement to Provide Employee Demographic Data
3. FFRDC Issue Paper: Requirement for Sponsor to Pay for Move

HOW FFRDCs DIFFER FROM CONTRACTORS

- Government policies and regulations describe terms and conditions of the special relationship between FFRDCs and DoD (FAR Part 35.017, the DoD FFRDC Management Plan, and sponsoring agreements)
- Congress specifically authorized FFRDCs (10 U.S.C. § 2367)
 - Congress further recognized their unique status by the fact that sole source awards to FFRDCs are authorized (10 U.S.C. § 2304(c)(3))
- Characteristics of FFRDCs not available in the private sector or by A&AS contractors:
 - Need for free exchange of information and views without fear of organizational conflicts of interest or compromise of the decision making process
 - Need for products that are objective and of high quality
 - Need for non-profit organizations that can have access to proprietary data which commercial organizations will accept
 - Need for organizations that do not have financial ties to other portions of the private sector which create financial conflicts of interest in evaluations and assessments
- FFRDC characteristics that distinguish FFRDCs from A&AS contracts:
 - FFRDC meets some special DoD research or development need
 - FFRDC maintains a continuing level of excellence in areas most relevant to DoD's needs
 - Nature of the mission requires continuity and for FFRDCs to operate in a strategic, long term relationship with the DoD
 - FFRDCs have access to information, including sensitive and proprietary information that is beyond that which is common to normal contractual relationships
- FFRDCs are required to conduct business in a manner befitting this special long-term relationship including:
 - Operating as a not-for-profit
 - Accepting stringent requirements on scope of work in which the organization can engage
 - Agreeing that other work is undertaken only to extent permitted by sponsor
 - Committing that FFRDC will not compete for any Federal RFP for other than operation of an FFRDC
 - Operating in the public interest with objectivity
 - Fully disclosing its affairs to sponsor
 - Being free from organizational conflict of interest
 - Avoiding actual or perceived conflict of interest

Federally Funded Research and Development Corporation
Congressionally Authorized, Agency Sponsored Organization Providing Systems Engineering and
Integration Services

Legal or Contractual Requirement to Provide Employee Demographic Data

Purpose: Respond to issue of availability of demographic data on FFRDC Employees and the propriety/legality of such requests from the government.

Background: In preparing questions for the Technical Joint Cross Service aspects of the Base Realignment and Closure activity, the issue of availability of demographic data for FFRDC employees, and the contractual or legal requirement for an FFRDC to provide such data in an auditable format have been raised. This paper was coordinated with AFMC/JA. The following cites from the sponsoring agreement are provided:

Issue I: Does the sponsor have the legal or contractual authority to request demographic information from an FFRDC? The Aerospace FFRDC Sponsoring Agreement provides guidance concerning the personnel required, the education requirements, and the documentation and inspection of documentation of the Corporation in meeting such requirements.

Section II para A.5: "In order to properly execute its responsibilities, the Aerospace FFRDC must attract and retain personnel of the highest technical capability. It seeks, through its policies and structure, to provide the type of environment that can ensure the development and retention of engineering and scientific experts and special facilities in the disciplines relevant to national security space systems, and to maximize support to the government by providing a cost-effective, highly efficient organization."

Section II para C.2: "The education requirements for the MTS are a bachelor or advanced degree from an accredited college or university, except for rare instances. The cost of one STE includes the cost of direct labor hours and the cost of the effort of supporting technical and administrative personnel, and all related expenses such as travel, computer usage, overhead, and fee."

Section IV para B: "The Aerospace Corporation shall conduct its business in a responsible manner befitting its special relationship with the Air Force to operate the FFRDC in the public interest with objectivity and independence; be free from organizational conflicts of interest; and have full disclosure of its affairs as operating an FFRDC to the sponsoring agency."

Section II paragraphs A.5 and C.2 establish the requirements for how we define an MTS (i.e. education, expertise, etc) and how we define cost of an STE. The language from Section IV paragraph B states that Aerospace must fully disclose its affairs in operating the FFRDC. One could conclude that since we require full disclosure of Aerospace's affairs we could require that Aerospace provide us the data to validate whether they are meeting the MTS requirements (education, experience, etc). Full disclosure is a provision of FAR 35.017 (a) (2).

Issue II: What information does the FFRDC have in an automated format that is auditable, and what would have to be surveyed, and would that be auditable? Attachment 1 contains the fields available from the Aerospace Corporation automated database. These fields provide auditable data on each employee concerning their history with the corporation and the previous experience levels by job title. Any further refinement is available in resumes and job applications on file in the individual personnel folders. All information is available in accordance with guidance in paragraph above.

FFRDC Employee Data Elements in SAP

Name (Last Name, First Name, Middle Initial)
Social Security Number
Birth Date
Marital Status
Gender
Permanent Resident Address (street, city, state, zip, country, and telephone number)
Mailing Address (if different than permanent address)
Communication (company e-mail address, work phone, building and room, and mail station)
Emergency Contact(s)
Ethnic Origin (self identified)
Veteran Status (self identified)
Disability disclosure (self identified)
Security Clearance(s) (dates, citizenship, birth city, state, country)
Education (Type of school, name of school, college, or university)
Degree Level (BS, MS, PhD)
Field of Study (major/minor)
MTS Previous Employment (Industry (government, university, etc.; previous employer name)
Work Site Code and Location (AVIR - Chantilly, VA)
Cost Center Code and Name of Organization (1262 - HRIS & Staffing)
Status (active, inactive-LOA or LTD, etc.)
Group (Regular, Temp, Casual, or Retiree Casual)
Subgroup (MTS-BU, MTS Supervisory, Office Support, Technical Support, etc)
Job Key code and title (4009 - MTS Bargaining Unit)
Organization Level (0, 1,2,3,4, etc)
Contract (Full Time or Part Time)
Job Key Grade
Weekly Salary/Annual Salary
EBS Date (equivalent B.S. degree date - includes experience counting toward degree)
Termination Date
Vacation Accrual Date
Vacation Max Waiver (a vacation max is established for EWW employees unable to it
Original Hire Date/ Pseudo Hire Date (pseudo-rehire date minus time outside of company)
Latest Hire Date (rehire date)
Absence Quotas (vacation, sick, and personal holiday - available and taken)
Work Schedule Rule (nonexempt/work shift; exempt/hours worked for regular part time)
Work Schedule (Alternate work week 9/80- A1, A2, or standard 40 hour week)
Resume/Application on file for previous work and salary history if needed

Federally Funded Research and Development Corporation
Congressionally Authorized, Agency Sponsored Organization Providing Systems Engineering and
Integration Services
Requirement for Sponsor to Pay for Move

Purpose: Respond to the issue of who pays for relocation of an FFRDC if a sponsor were to relocate.

Background: In preparing questions for the Technical Joint Cross Service aspects of the Base Realignment and Closure activity, the issue of who is responsible for the payment of relocation and reestablishment costs for an FFRDC had been raised. Since an FFRDC has no operating funds other than those derived from the government, and there is no ability to raise funds from other sources, what is the legal obligation of the sponsor toward the FFRDC? Is there a provision in the contract or law to address the relocation and reestablishment of the FFRDC or those parts required in the vicinity of or collocated with the sponsor. This paper was coordinated with AFMC/JA.

Issue I: With the increasing dependence of the warfighter on higher technical capabilities such as space based capabilities, the required relevant experience is embodied in the FFRDCs supporting both Electronic Systems Center (AFMC) and Space and Missile Systems Center (AFSPC). The Centers are highly dependent on the expertise of the embedded, collocated technical staff of the FFRDC in order to meet the warfighter needs.

Issue II: The cost of family movement and personnel movement of special or mass nature (i.e. BRAC), are allowable under FAR 31.205.35e. Per FAR 31.205-35e, the cost should be assigned on basis of work (contracts) or time period benefited. In accordance with Aerospace's Disclosed Accounting Practices, relocation costs would be a direct charge to the SMC DOD programs.

During the NRO moves of FY 1993-1995, relocation costs were charged to the NRO programs only as an Other Direct Cost-Relocation. SMC programs were not charged for the NRO relocation cost.

FAR 31.205 allows for reimbursement of facility-related costs used in support of government contracts. Facilities costs include utilities, maintenance and repairs, lease cost, building depreciation and leasehold improvement amortization.

Construction of new facilities cannot be done with DOD funds including fee, per Section 8034© of the DOD Appropriations Act of 1999. Aerospace would be reimbursed for cost to construct new facilities, as required under BRAC, through cost of money (CAS 414) and building depreciation on the new facilities. These costs are generally allowable under FAR 31.205-10 and 31.205.11.

Prior to the change in the Appropriations Act of 1995, FFRDC building construction costs were reimbursed using DOD funds through increased fee. DOD funds could be used in a BRAC situation with Congressional approval, which would greatly reduce the loan repayment period associated with the cost of new facilities.

DATA CALL TARGET LIST
Issue #6-24-04-03

Issue: Develop a draft target facilities list.

Point of Contact: Mr. Larry Schuette

Issue Summary: DRAFT Target Facilities

6/19/04 Final Update with All Subgroups' comments

6/21 Post Final Update with Navy BRAC insertions, fixed US ARMY redundancy
fixed guideline #5 per Matt, #6 per Larry Schuette

6/22 – Version as of 1400 (the lost version: This was recreated from a printed hardcopy and the
AF list provided by LTCOL Pride

6/22/04 – Version as of 2014. This version includes the Army list provided by Peter Cahill, and
the inclusions/deletions provided by Navy BRAC office by Sowa email 6/18/04 0704

6/23/04 – Version as of 1614. Added back the Navy Medical, added Alexandria VA [PEO JSF]
and verified that Navy COMOPTEVFOR is accounted for.

6/24/04 – Version as of 0700 Changes noted by Brian Simmons or Tom Mathes, Changes caught by Bob
Rohde, and changes to add the multiple locations of ERDC labs.

The four technical JCSG subgroups developed common Guidelines, and compiled an integrated list for “Target Facilities” as listed below, so that “like facilities” can be better compared for Capacity, Mil Value and Scenario Analysis. The Guidelines explain the logic behind including, excluding or further clarifying those “target facilities” that are to receive Military Value Questions. In addition, where appropriate, the subgroups will send Requests for Clarification of Capacity data to ensure data is restructured in accordance with this list.

Guidelines for the Target Facilities:

- 1) Use the largest logical “facility” that will enable comparison of “like facilities” without unduly breaking into fine detail where little value is added.
- 2) Physical location along with specific element/ unit/ organization are noted for each ‘target facility’.
- 3) To ensure “inclusivity” and avoid a priori assumptions where there are questions about the current capacity data call, the basis of the list is all current respondents to the Capacity Data Call with the following caveats:
 - a. Level of activity reported was a filter to exclude respondents with very small or questionable RDT&E function (as a percentage of workload or a low value). These included small support detachments..
- 4) Additional facilities were added to the list of Capacity Data Call respondents where activity was expected, but not seen and/or where Requests for Clarification have gone forward.
- 5) Headquarters and PEO/PM organizations are to be listed separately from RDT&E facilities to better delineate “like facilities” except when they are physically collocated and integrated with the RDT&E facilities. This separation will reduce the probability of “double counting” of funding for “like facilities”.

- 6)** In general detachments are not be listed separately on this list. Detachments with less than 30 people should be included with owning organization. If total population at a detachment is greater than or equal to 30, the owning organization should break out and report each detachment separately. MILDEP BRAC Offices may elect to create lists of detachments consistent with the prior guidance to assist the owning organizations in determining which detachments need to be separately reported.
- a.** The lists below are derived by expanding a subset of the organizations/ installations/ facilities that responded to the capacity call. TJCSG will need to write a memo justifying why we dropped certain organizations from the list of who should respond to DC #2.

PROPOSED INTEGRATED LIST OF TARGET FACILITIES

Arlington/Ballston (AFOSR)
Arnold (AEDC)
Brooks City-Base, TX (AFRL/HE)
Brooks City-Base, TX (ASC 311th Wing)
Edwards (AFRL/PR)
Edwards (AFFTC HQ/412th TW)
Eglin (AFRL/MN)
Eglin (AAC HQ/SPOs/PEOs)
Eglin (46th TW, 53rd TW)
Hanscom (AFRL/IF/SN)
Hanscom (ESC HQ/SPOs/PEOs)
Hill (Ogden ALC/LM/YP/LI) (D&A)
Hill (Ogden ALC/WM/LM/LH/YP, AFOTEC Det 4, UTTR) (T&E)
Holloman (46th Test Group)
Kirtland (AFRL/DE/VS)
Kirtland (ASC/ABL)
Kirtland (AFOTEC HQ)
Kirtland (SMC-Det 12)
Lackland (CPSG, AIA)
Langley (AF C2ISRC)
Los Angeles (SMC)
Maui (AFRL/DE)
Mesa (AFRL/HE)
Nellis (AWFC)
Onizuka (OD-4, RNAO)
Robins (ALC/AE/LG/LB/LF/LM/LR/LS/LT/MA) (D&A)
Robins (ALC/EN, 339 FTS) (T&E)
Rome, NY (AFRL/IF/SN)
Tinker (ALC/AE/LG/LP/PS/LH/LC/LR) (D&A)
Tinker (ALC/EN/MA/CTA, MAB, 10th FTS) (T&E)
Tucson (AATC)
Tyndall (AFRL)
Wright-Patterson (AFRL HQ/VA/PR/SN/IF/HE/ML)
Wright-Patterson (ASC HQ/SPOs/PEOs)

US ARMY

Aberdeen, MD [RDECOM/ARL]
Aberdeen, MD [Army Environmental Health & Hygiene Agency]
Aberdeen, MD [Army Environmental Center]

Aberdeen, MD [Army Evaluation Center]
Aberdeen, MD [RDECOM/Army Materiel Systems Analysis Activity]
Aberdeen, MD [Army Toxic & Hazardous Material Agency]
Aberdeen, MD [ATEC/Aberdeen Test Center]
Aberdeen, MD [RDECOM/Edgewood Chemical Biological Center]
Aberdeen, MD [RDECOM HQ]
Aberdeen, MD [USAMRICD]
Aberdeen, MD [HQ Developmental Test Command]
Adelphi, MD [RDECOM/ARL]
Adelphi, MD [RDECOM/ARDEC]
Alexandria, VA [ATEC and AEC HQ]
Alexandria, VA [Humphries Engineering Center (ERDC/Topographic Lab)]
Alexandria, VA [MDA]
Anniston Army Depot, AL [AMC]
Arlington, VA [ARI]
Bluegrass Army Depot, KY [AMC]
Blossom Point, MD [RDECOM/ARL]
Brooks City Base, TX [WRAIR-DE Detachment]
Calhoun Falls, SC [ERDC/Environmental Lab]
Champaign, IL [ERDC]
Cleveland, OH [NASA Glenn/RDECOM/ARL]
Corpus Christi Army Depot, TX [AMC]
Crane Army Ammo Activity, IN [AMC]
Desert Chemical Depot, UT [AMC]
Detroit Arsenal, MI [PEOs and PMs]
Detroit Arsenal, MI [RDECOM/TARDEC]
Detroit Arsenal, MI [TACOM]
Duck, NC [ERDC/Coastal & Hydraulics Lab] Dugway Proving Ground, UT [ATEC]
Durham, NC [RDECOM/ARL/Army Research Office]
Fairbanks, Ak [ERDC/ Cold Regions R&E Lab]
Ft A P Hill, VA [RDECOM/CERDEC/NVESD]
Ft Belvoir, VA [Army Materiel Command HQ]
Ft Belvoir, VA [AMC/RDECOM/CECOM/SEC]
Ft Belvoir, VA [CECOM]
Ft Belvoir, VA [Concepts Analysis Agency]
Ft Belvoir, VA [PEOs and PMs]
Ft Belvoir, VA [RDECOM/CERDEC]
Ft Belvoir, VA [RDECOM/SOSI]
Ft Benning, GA
Ft Detrick, MD [Joint Vaccine Acq. Program]
Ft Detrick, MD [PM Medical Comm for Combat Casualty Care]
Ft Detrick, MD [PEOs and PMs]
Ft Detrick, MD [USAMRIID]
Ft Detrick, MD [USAMMDA]
Ft Detrick, MD [USAMRMC]
Ft Detrick, MD [USAMMA]

Ft Detrick, MD [USAMISA]
Ft Detrick, MD [USAMRAA]
Ft Detrick, MD [USACEHR]
Ft Eustis, VA [AMC/RDECOM/AMRDEC]
Ft Eustis, VA [ATEC/Developmental Test Command]
Ft Eustis, VA [PEOs and PMs]
Ft Greeley, AK [ATEC]
Ft Hood, TX [AMC/RDECOM]
Ft Hood, TX [ATEC/Operational Test Command]
Ft Huachuca, AZ [ATEC]
Ft Huachuca, AZ [ATEC/Army Electronic Proving Ground]
Ft Huachuca, AZ [CECOM/SEC]
Ft Huachuca, AZ [JITC]
Ft Huachuca, AZ [PEOs and PMs]
Ft Huachuca, AZ [RDECOM/ARL]
Ft Knox, KY
Ft Leavenworth, KS [TRADOC]
Ft Lee, VA
Ft Leonard Wood, MO
Ft Monmouth, NJ [AMC/CECOM]
Ft Monmouth, NJ [AMC/CECOM/SEC]
Ft Monmouth, NJ [AMC/PEOs AND PMs]
Ft Monmouth, NJ [AMC/RDECOM/CERDEC]
Ft Rucker, AL [Aviation Technical Test Center]
Ft Rucker, AL [USAARL]
Ft Sam Houston, TX [AMEDD Ctr & School]
Ft Sam Houston, TX [Health Care Acq. Activity]
Ft Sam Houston, TX [USA Medical Command]
Ft Sam Houston, TX [USAISR]
Ft Sill, OK
Ft Sill, OK [CECOM/SEC]
Ft Sill, OK [ATEC]
Ft Wainwright, AK
Great Lakes Naval Training Station, IL [WRAIR – Dental Detachment]
Hampton, VA [NASA Langley/RDECOM/ARL]
Hanover, NH [ERDC]
Holston Army Ammunition Plant, TN [AMC]
Hawthorne Army Depot, NV [AMC]
Iowa Army Ammunition Plant, IA [AMC]
Kansas Army Ammo Plant, KS [AMC]
Lake City Army Ammunition Plant, MO [AMC]
Letterkenny Army Depot, PA [AMC]
Lewisville, TX [ERDC/ Environmental Lab]
Lima Army Tank Plant, OH [AMC]
Lone Star Army Ammunition Plant, TX [AMC]
Louisiana Army Ammunition Plant, LA [AMC]

McAllister Army Ammunition Plant, OK [AMC]
Milan Army Ammunition Plant, TN [AMC]
Mississippi Army Ammunition Plant, MS [AMC]
Moffett Field, CA [AMC/RDECOM/AMRDEC]
Natick, MA [Soldier Systems Center]
Natick, MA [AMC/CECOM]
Natick, MA [AMC/TACOM]
Natick, MA [USARIEM]
Newport Chemical Depot, IN [AMC]
North Bonneville, WA [ERDC/ Environmental Lab]
Omaha, NE [ERDC/ Environmental Lab]
Orlando, FL [AMC]
Orlando, FL [AMC/RDECOM-STTC]
Orlando, FL [PEOs and PMs]
Picatinny Arsenal, NJ [AMC]
Picatinny Arsenal, NJ [AMC/RDECOM/ARDEC]
Picatinny Arsenal, NJ [AMC/CECOM/SEC]
Picatinny Arsenal, NJ [PEOs and PMs]
Pine Bluff Arsenal, AR [AMC]
Pueblo Chemical Depot, CO [AMC]
Radford Army Ammunition Plant, VA [AMC]
Red River Army Depot, TX [AMC]
Redstone Arsenal, AL [AMC/AMCOM]
Redstone Arsenal, AL [AMC/AMRDEC]
Redstone Arsenal, AL [SMDC]
Redstone Arsenal, AL [PEOs and PMs]
Redstone Arsenal, AL [ATEC/RTTC]
Redstone Arsenal, AL [All Others]
Riverbank Army Ammunition Plant, CA [AMC]
Rock Island, IL [AMC/RDECOM/ECBC]
Rock Island, IL [ATEC]
Rock Island, IL [TACOM]
Rock Island, IL [RDECOM/AMSAA]
Selfridge ANGB, MI [AMC/RDECOM/TARDEC]
Scranton Army Ammunition Plant, PA [AMC]
Spring Valley, WI [ERDC/ Environmental Lab]Sierra Army Depot, CA [AMC]
Tobyhanna Army Depot, PA [AMC]
Tooele Army Depot, UT [AMC]
Tripler Army Medical Center, HI
Umatilla Chemical Depot, OR [AMC]
Vicksburg, MS [ERDC]
Washington, DC [Walter Reed Medical Center]
Washington, DC [WRAIR]
Watervliet, NY [AMC/RDECOM]
West Point, NY
White Sands Missile Range, NM [AMC]

White Sands Missile Range, NM [AMC/RDECOM/ARL]
White Sands Missile Range, NM [ATEC]
White Sands Missile Range, CO [ATEC/MENEFEE PEAK CO]
White Sands Missile Range, ID [ATEC/IDAHO LAUNCH COMPLEX]

White Sands Missile Range, UT [ATEC/GREEN RIVER TEST COMPLEX]

Yuma Proving Ground, AZ

US NAVY

Alexandria, VA [PEO JSF]
Arlington, VA [CNR]
Barking Sands, HI [PACMISRANFAC]
Cape Canaveral, FL [NAVORDTESTU]
Carderock, MD (NSWC)
CAMPEN, CA [Amphibious Vehicle Test Branch]
CAMPEN, CA [MCTSSA]
Chantilly, VA [National Reconnaissance Office]
Charleston, SC (SPAWARSYSCEN)
China Lake, CA [NAWCWD; including Test Squadrons, NAVAIRSYSCOM EW Special Mission Weapons SSA]
Corona, CA [NSWC]
Crane, IN [NSWC]
Dahlgren, VA [NSWC]

Fallbrook, CA [NSWC Marine Corps Program] Indian Head [EOD Tech Div]
Forest Glen, MD [NMRC]
Indian Head [NAVORDSAF]
Indian Head [NSWC]
Indian Head [JITC]
Keyport, WA [NUWC]
Lakehurst (NAWC AD)
Magna, UT [NAVPMOSSP]

Monterey, CA [NAVPGSCOL]
Moorestown, NJ [AEGIS_TechRep_Moorestown, NJ]
Natick, MA [NAVODTEXTRSFAC]
New Orleans, LA [SPAWARINFOTECHCEN]
Newport, RI [NUWC, NUWC HQ]
Norfolk [SPAWARSYSCEN]
Norfolk [COMOPTEVFOR]

Norfolk, VA [SPAWARSSYSCOM]
Oceana [CBTDIRSYSACT DAM NEC VA]
Orlando [NAVAIRWARCEN Training Systems Div]
Orlando [NAWC TSD]
Panama City, FL [NSWC]
Panama City, FL [NAVXDIVINGU]
Patuxent River, MD [NAWC AD, including test squadrons]
Patuxent River, MD [NAVAIRSSYSCOM]

Philadelphia, PA [NAVSURWARCENSHIPSYSSENGSTA]
Pittsfield, MA [NAVPMOSSP]
Point Mugu [NAWC WD including test squadrons]
Port Hueneme [NSWC]
Port Hueneme [NFESC]

Quantico, VA [Marine Corps Warfighting Lab]
Quantico, VA [Marine Corps System Command]
Quantico, VA [Marine Corps OPTEVFOR]
San Diego, CA (SPAWARSSYSCOM)
San Diego, CA [SPAWARSSYSCEN]
San Diego, CA [NATEC]
San Diego, CA [NCTSI]
San Diego, CA [NHRC]

Sunnyvale, CA [NAVPMOSSP]
Wallops Island, VA [SURFCOMBATSYSYSCEN]
Washington DC [NRL]
Washington DC [DIRSSP]
Washington DC [NAVOBSY]
Washington DC [NAVSEASYSYSCOM]
Washington DC [NSWC HQ]
Washington DC [SEASPARROWPROJSUPPO]

DEFENSE AGENCIES

DTRA
DARPA
MDA
DISA

JCS
USJFCOM, Norfolk, Va

Army Position: Concur

AF Position: Concur

Navy Position: Concur

Marine Position: Concur

JCS Position: Abstain (No CIT member)

DEFER 3 OF 8 CAPACITY CALCULATIONS UNTIL SCENARIOS
Issue #6-24-04-04

Issue: Measuring Capacity With/Without Infrastructure Input

Point of Contact: COL Pete DeSalva

Issue Summary:

- TJCSG decision, based on Future Warfighting Capability (FWC) sub group recommendation, is to measure capacity using work years, test resource workload, funding, ACAT funding, and number of ACATs.
- Analytical team advises that this course of action eliminates infrastructure capacity from consideration in LOM solution set. Inclusion of measures of infrastructure capacity in LOM will result in optimal solution sets.
- Exclusion of measures of infrastructure capacity in LOM may result in solution sets that have insufficient infrastructure to support and obscures other solution sets.

- Alternative #1: Stay the course using the original five measurements of capacity (work years, test resource workload, funding, ACAT funding, and number of ACATs) taking infrastructure into consideration as part of scenario analysis.
 - Pro: (1) Easier to get data for five measurements than eight. (2) By postponing consideration of infrastructure, we reduce the number of respondents involved in data clarification process.
 - Con: BRAC is based on infrastructure but infrastructure capacity data is not considered in determining solution sets. It appears inconsistent with the BRAC goal to come up with an “optimal” solution set from LOM without including infrastructure measurements as part of the inputs.

- Alternative #2: Expand the number of capacity measurements to eight adding equipment, facility, and building use data points as inputs to the LOM.
 - Pro: Includes infrastructure measurement as a LOM input.
 - Con: Subgroups have not examined infrastructure data and quality is unknown. Given the state of currently held responses, getting clarification of three more data points for every respondent adds to our workload needed to feed LOM.

Recommendation (Analysis Team): Include infrastructure capacity measurements as input to the LOM (Course of Action #2).

Army Position: Concur, Infrastructure needed for LOM.

AF Position: Non-concur

Navy Position: Concur, Infrastructure needed for LOM.

Marine Position: Concur, Infrastructure needed for LOM.

JCS Position: Abstain (No CIT Member)

CIT Chair Recommendation: Collect the data for all eight capacity parameters and clean up the data for all eight capacity measurements consistent with analysis team recommendations. This implies an urgent action item for the subgroups to review existing capacity call data associated with these parameters. This needs to be accomplished by COB 23 June 2004.

ACAT CAPACITY QUESTIONS
Issue #6-24-04-05

Issue: Capacity Data Call and current Military Value questions did not ask for the funding for specific ACAT programs in each capability area at a BRAC technical facility

Point of Contact: Dr. Dan Stewart and Col Eileen Walling

Issue Summary:

- Without the specific ACAT funding data for each program, excess capacity and military value for D&A cannot be calculated.
- Proposed ACAT Questions:
 1. By technical capability area, list the FY01, FY02, and FY03 funding for each (by program name) ACAT I, II, III or IV program. For this question, consider only ACAT I and II programs for which you are the executive agent or where the funding exceeds \$10M or FTEs exceed 30 aggregated over the period FY01-FY03. And, for this question, consider only ACAT III and IV programs for which you are the executive agent or if at least 15 FTEs of your technical or professional workforce were involved in the program aggregated over FY01-03. For this question, consider only ACAT programs for which you were the executive agent. By technical capability area, indicate the year (can only be from FY94-FY03) in which you had the maximum number of programs in each ACAT category. For that year, list the ACAT programs and how much funding you executed for each program.
 2. By technical capability area, if your year for peak funding of ACAT programs in a category is different than your year for peak number of ACAT programs in that category, then identify the year for peak funding in each ACAT category. For that peak-funding year, list the ACAT programs and how much funding you executed for each program. For this question, consider only ACAT I and II programs for which you are the executive agent or where the funding exceeds \$10M or FTEs exceed 30 aggregated over the period FY01-FY03. And, for this question, consider only ACAT III and IV programs for which you are the executive agent or if at least 15 FTEs of your technical or professional workforce were involved in the program aggregated over FY01-03. For this question, consider only ACAT programs for which you were the executive agent. By technical capability area, indicate the year (can only be from FY94-FY03) in which you had the maximum number of programs in each ACAT category. For that year, list the ACAT programs and how much funding you executed for each program.

Recommendation (Air Force): Send supplemental capacity data call questions to include the requirement to report the funding for each ACAT program counted in each question.

Army Position: Concur.

Navy Position: Concur.

Marine Position: Same as Navy

JCS Position: Abstain (No CIT Member)

PRODUCT IN-SERVICE ENGINEERING CAPACITY DATA CALL
Issue #6-24-04-06

Issue: Product ISE not well defined by DoD or Service documents. An important function with significant associated workload at maintenance depots and technical facilities. Function crosses JCSG boundaries between technical and industrial.

Point of Contact:

Issue Summary:

- ISE, as an engineering function, is not well defined and open to considerable interpretation within the Technical JCSG capacity questions.
- The current single question that does capture ISE capacity data, does so along with other engineering sub-functions and is specifically identified as a sub-set of the development and acquisition functions, possibly diluting its significance.
- It is important to capture the ISE capacity data with sufficient granularity to adequately evaluate specific workload functions at each activity in order to be able to consider future alignment possibilities.
- It is quite possible under the current questions in the Technical JCSG Capacity data call that Industrial and Technical activities may overlook ISE workload due to confusion due to vague and incomplete definitions. Likewise, there is a probability that certain Technical and Industrial data will be “double counted” since these two functions may be performed by the same personnel, in the same facility and using the same equipment.
- Lastly, though much ISE activity takes place at Industrial facilities, a BRAC action related to such a facility may be recommended by the Technical JCSG.
- Specific action is required to address the issues above.

Recommendation:

- Recommend that, as has been done for other areas of common interest between JCSGs, a cross-functional team be established from the Technical and Industrial JCSGs to:
 - Develop common ISE definitions.
 - Determine viable methods to differentiate between Technical and Industrial data related to ISE.
 - Coordinate and share in analysis of data related to ISE that spans both technical and industrial activities

Army Position: Concur

AF Position: Concur

Navy Position: Concur

Marine Position: Concur

JCS Position: Abstain (No CIT member)

Attached Clarification Guidance:

1. ISE Background Paper

IN-SERVICE ENGINEERING

In-Service Engineering (ISE) is a term describing functions that cover work associated with a broad spectrum of a product's "life-cycle" from Initial Operational Capability (IOC) through Retirement to include the following:

1. System Modernization & Upgrades

- Systems Design
 - Develop and validate engineering changes to provide performance improvements and correct service deficiencies.
 - Assess impact of proposed alterations on performance, safety, operation, maintenance and life-cycle cost.
- Test and Evaluation
 - Formulate and implement concepts and assess prototype systems under operational conditions.
 - Analyze performance problems and direct design efforts to resolve these problems.
 - Establish, maintain, perform and monitor inspection and test procedures, and test configurations.
- Systems Installations
 - Examine installations designs for safety, reliability and maintainability.

2. Operational Support

- Operational Systems Engineering
 - Resolve problems from the operational user and technical support community in safety, design, operation, maintenance, configuration, training and technical documentation.
 - Provide on-site consultant engineering services.
 - Track and analyze maintenance and reliability data.
 - Established/maintain an operational performance baseline.
- Safety and Environmental Impact
 - Perform safety and /or environmental impact assessment of proposed engineering changes, and new operation and maintenance procedures.
 - Analyze safety deficiency reports, and results of failure analyses and mishap investigations.

- Maintenance Engineering
 - Maintain the integrated logistics support.
 - Develop, review and update maintenance concepts for industrial and fleet maintenance to include parts obsolescence and end cycle/system retirement issues.
 - Identify requirements for repair facilities.
 - Monitor effectiveness of repair facility performance, and recommend improvement of facilities, support equipment, training and manning.
 - Ensure adequacy of repair standards and procedures.
 - Repair & Overhaul Support
 - Monitor overall depot and intermediate level maintenance efforts.
 - Assess repair documentation, and associated standards.

- Technical Documentation and Configuration Management
 - Establish and maintain all technical documentation required to support system installation, configuration, operation, maintenance and repair.
 - Maintain configuration data.
 - Maintain technical data.

- Training and Manning
 - Develop training plan and manning requirements.
 - Develop training resources and materials and conduct training programs.
 - Provide technical assistance with the establishment of training facilities. Audit facilities and courses to ensure the curriculums support training objectives and the overall operation and maintenance.

- Supply Support
 - Identify initial support requirements at the systems and components levels.
 - Provide engineering consulting services to supply activities.
 - Monitor maintenance and repair data to determine whether equipment is properly supported.

RFC PROCESS
Issue #6-24-04-07

Issue: TJCSG subgroups have identified gaps and discrepancies in some of the data submitted by the Military Departments and Defense Agencies in response to the Capacity Data Call

Point of Contact: COL Pete DeSalva & Mr. Harshad Shah

Issue Summary:

- Data received indicate there were flaws in regard to the capacity data questions and answers
 - ACAT data is incomplete- peak year and funding information wasn't asked
 - Construct of the current questions will allow current capacity being greater than peak capacity
- Inconsistencies in the reported data are attributable to a variety of factors, including:
 - Different reporting approaches [installation vs. organization]
 - Different organizational constructs [e.g. program management structure] and organizational structure related to Research, D&A, T&E functions
 - Different reporting philosophies [e.g. which DTAP contains weapons/platform integration]
 - Inconsistencies in responders receiving definitions and amplifying information
 - Clarification question process was not responsive
 - Inconsistencies in responses [e.g. FTEs yet no funding, wrong units reported]
- Subgroups have identified installation/facilities that have an obvious link/correlation to the TJCSG that were not reported in the received data
- Responses were received from facilities that are out of the TJCSG's area of responsibility

Recommendation (Analysis Team):

- Generate/utilize list of targeted TJCSG "technical facilities"
- Use the RFC process and reissue the capacity data call number one questions to the targeted technical facilities with additional clarification/amplification
- Issue new capacity questions to the targeted technical facilities
- Clarify all suspect data received from locations not on the technical facilities target list

Army Position: Concur

AF Position: Concur

Navy Position: Concur

Marine Position: Concur

JCS Position: Abstain (No CIT member)

Attached Clarification Guidance:

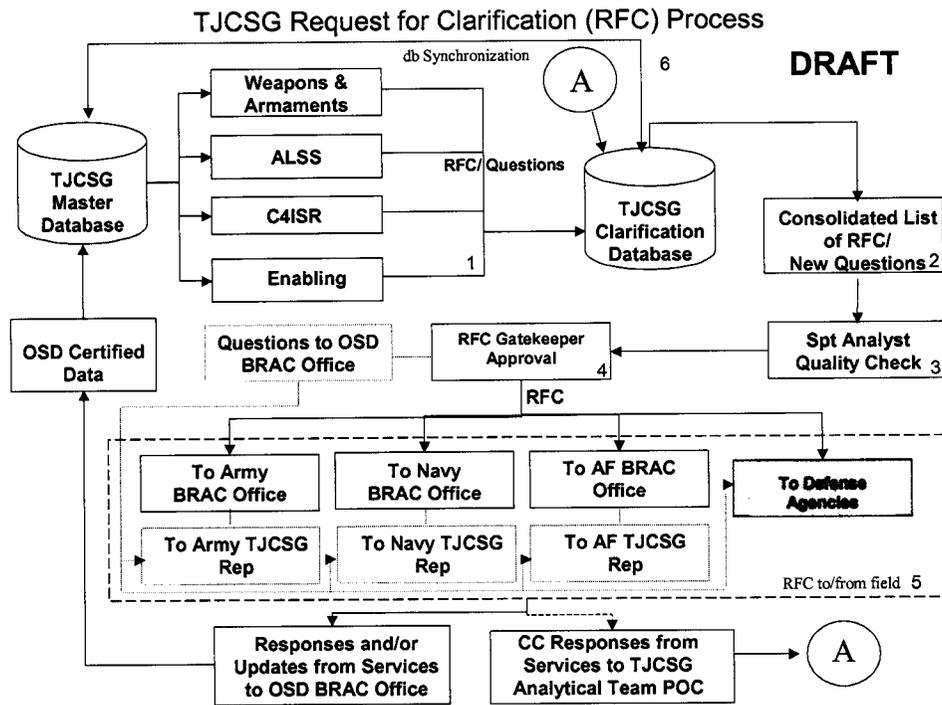
1. RFC Process Slides

Sub Group Actions for Data Correction

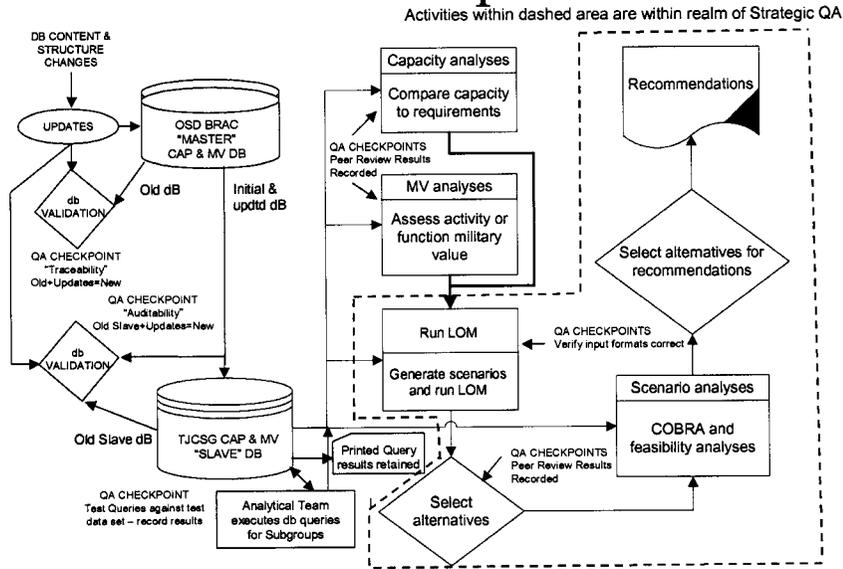
1. **Each subgroup reviews their data with access to other subgroup data as required**
 - a. Identify data issues to support capacity analysis
 - General across the board issues (e.g., peak year definition)
 - Obvious installation/organization specific data anomalies (e.g., S&T funding, however, no FTEs)
 - Potential installation/organization technical data issues (e.g., SME knows that Installation X does testing, however, no test data was reported)
 - b. Subgroups and analytic team collectively review data issues
 - Develop a master RFC list
 - General across the board
 - Installation-by-installation
 - Develop list of new questions required immediately to support capacity analysis, such as:
 - FY01, FY02, FY03, and Peak ACAT funding
 - Peak year for ACAT numbers
 - c. Identify need for a new question or clarification required to support Scenario Analysis

Sub Group Actions for Data Correction (continued)

2. **Develop standard TJCSG RFC format**
3. **Supplemental Data Call**
4. **Subgroups sort out key players vice secondary and tailor RFCs to collect required capacity data from the key players and use less intrusive RFCs to determine the appropriateness of the involvement of the secondary players**
5. **Determine methodology to reconcile double counting of funding**
 - BRAC “facility” budget less budget forwarded to another BRAC “facility”
6. **Decide the level of “Like Facility” definition. AF/Army aggregation at the installation level blurs discrete apparently “like facilities” at an installation, which in truth may not be like at all. We can either decide to spend considerable time developing a solution to this, or we can push this to Scenario Analysis.**
7. **Commission a smaller subset of subgroup members to examine MILDEP data inputs to assess the potential for data translation errors as the data proceeds through the various databases (MILDEP tools through CNA db, into TJCSG Access files)**



TJCSG Process Data Flow & QA Checkpoints



**Status of Interim Capacity Analysis Report
Issue #6-24-04-08**

Issue: Status Interim Capacity Analysis Report

Point of Contact: COL DeSalva

Issue Summary:

- Draft Interim Capacity Analysis Report sent to Subgroups and CIT on 17 June 2004 for review and comment by COB 18 June 2004
- No critical comments received as of 22 June 2004

Recommendation: Forward Interim Capacity Analysis Report to OSD BRAC office as is.

Army Position: Concur

AF Position: Concur

Navy Position: Concur

Marine Position: Concur

JCS Position: Abstain (No CIT member)

CIT Chair: Concur