

BRAC 2005
Technical Joint Cross-Service Group (TJCSG)
Meeting Minutes of 7 October 2004

Mr. Shaffer chaired the meeting. The agenda is enclosed in attachment 1. The list of attendees is enclosed in attachment 2. Pre-meeting documentation for the meeting is enclosed in attachment 3. The primary objective for the meeting was to discuss the data quality resolution and to review the Weapons & Armaments and Enabling Technologies Subgroups proposed scenarios. 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:

TJCSG Timeline – Mr. Miner

Key Points:

- The Organization Codes have been updated for the Army. The Analysis Team is currently validating these codes. The Air Force and Navy will have their codes by the end of the week.

Open Issues – Mr. Shaffer

Key Points:

- The open issues will be covered at the CIT meeting today at 1100 hrs.

Data Quality Resolution – Mr. Shaffer

Key Points:

- The TJCSG discussed what should be done to address inconsistent or inaccurate data.
- Due to the inconsistent or inaccurate data, it was discussed if data base alterations are permissible and what record keeping is required to document changes.
- It was suggested that some certified data may be replaced with other certified data.
- All actions will be properly documented. OSD BRAC is assisting the TJCSG develop an approved process for any changes that are necessary.

Weapons and Armaments Scenarios – Dr. Higgins

Key Points:

- 137 scenarios have been registered in the scenario tracking tool.
- TJCSG has registered two scenarios at this point.
- These 2 TJCSG registered scenarios need to be further defined to better understand them.

Weapons and Armaments Scenario 1: Combined RDAT&E Centers for Conventional Weapons and Armaments

Key Points:

- This scenario integrates R, D&A, and T&E for all conventional weapons and armaments.
- It proposes Joint Lab (6.1 funding) with other 6.1 S&T work at a combined location.
- It retains organic R, D&A energetic capability. In addition, it preserves and consolidates unique specialty capabilities.
- The Army was concerned about the degree to which White Sands Missile Range is a donor location in this scenario.

Decisions:

- Scenario 1 will be broken out into nine separate scenarios and presented again next week to the TJCSG.

Weapons and Armaments Scenario 2: Combine weapons / integration, targeting, mission planning with W&A R, D&A, T&E into 3-4 core complexes

Time did not permit discussion of scenario 2. However, it was agreed this scenario needs much additional work to be registered. Also, it is uncertain whether this scenario should reside under the Weapons & Armaments Subgroup or the ALSS Subgroup. The three services will discuss in the near future this scenario and the specific service business models.

Weapons and Armaments Scenario 3: Combined Centers for Directed Energy Weapons

Time did not permit discussion of scenario 3.

Enabling Technologies Scenarios

Time did not permit discussion of the Enabling Technologies Scenarios. However, the TJCSG agreed that the Army's Land Warfare LCM and Technology Centers proposal be included in those present by the Enabling Technology Working Group.

Action Items:

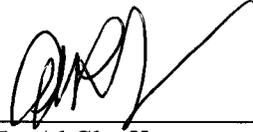
1. Scenario 1 will be broken out into nine separate scenarios and presented again next week to the TJCSG. POC: Dr. Karen Higgins, due NLT 14 Oct 04 TJCSG Meeting.

October 8, 2004

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Next TJCSG Meeting (VTC) is scheduled for Tuesday, 12 October 2004, 1100-1200 hrs EDT, Pentagon VTC Rm 4B1060.

Approved: _____



Mr. Al Shaffer
Acting Chairman
Technical Joint Cross Service Group

Attachments:

1. Outline -Agenda
2. List of Attendees
3. Pre-meeting documentation

TJCSG VTC Agenda
7 Oct 04, 0800-0900 hrs EDT
Pentagon Rm 4B1060

- **TJCSG Timeline – COL DeSalva**
- **Open Issues – Mr. Shaffer**
- **Data Quality Resolution – Mr. Shaffer**
- **Weapons & Armaments Scenarios – Dr. Higgins**
- **Enabling Technologies Scenarios – Dr. Berry**

Attachment 2
Technical JCSG Meeting
October 7, 2004
Attendees

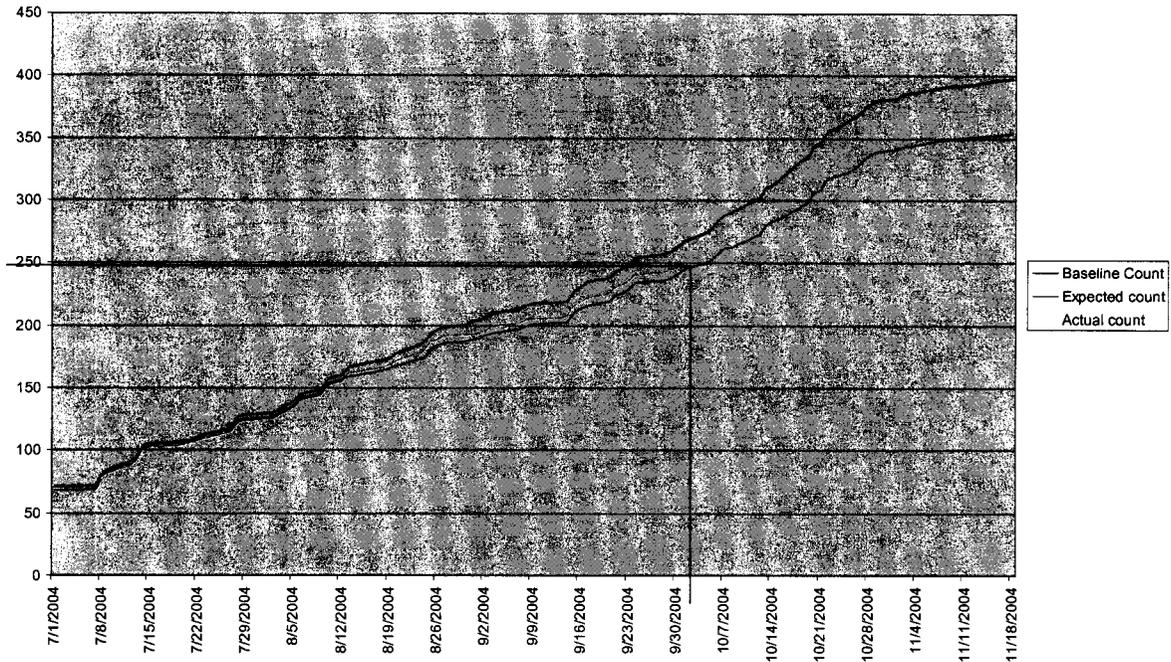
Members:

Dr. Ron Segal, TJCSG Chairman
Mr. Blaise Durante, Air Force
Dr. J. Foulkes, Army
RADM Jay Cohen, Navy
Dr. Barry Dillon, Marines

Other:

Mr. Al Shaffer, CIT Chairman
COL Walt Hamm, Marines CIT Rep
Mr. Al Goldstyan, AF CIT Rep (Via VTC)
Mr. Gary Strack, OSD
Mr. Jon Ogg, Air Force
Mr. John Miner, Air Force
Mr. Pete Cahill, Army
Dr. Bill Berry, OSD
Mr. Jerry Schieffer, OSD BRAC
Ms. Marie Felix, OSD
Dr. Jim Short, OSD
Mr. Andy Porth, OSD
Col Eileen Walling, Air Force
Mr. Brian Simmons, Army
Mr. Don DeYoung, Navy
Ms. Robin Buckelew, Army
Dr. Karen Higgins, Navy
Mr. Bob Arnold, Air Force
Mr. Marc Magdinec, Navy
Mr. Pete O'Neill, Army
BG Fred Castle, OSD
Ms. Eileen Shibley, Navy

TJCSG Actions Completed as of 6 Oct



Summary

- Report has increased fidelity of actions per day over 4 October Report
- 273 actions added for Scenario Reporting and Deconfliction which shifted the baseline
- Shift of progress ahead of estimate due to past 2 weeks effort (advance work and subgroup data QA) being counted in completed tasks.
- Still facing major dilemma associated with completeness and accuracy of ORG CODE data.
- Still behind schedule from where we need to be.
- Work intensity is ramping up, need to focus efforts.

Critical Unresolved Issues (As of 4 Oct 04)

Reference Number	Issue	Issue Paper Author/Date of Submittal to CIT	Required TJCSG Executive Action/Date of Next TJCSG Mtg	CIT Recommendations
07-16-04-05	Scenario Conflict Adjudication	Mr. Don DeYoung	Tabled at 9 Aug 04 CIT Mtg – Needs CIT Recommendation	Army – AF – Navy – Concur Marines –
07-30-04-06	BRAC Scenario Coordination Among JCSGs and Military Departments	COL Walt Hamm	Needs CIT Recommendation On Hold – Hoping ISG Will Address	Army – AF – Navy – Marines – Concur
08-18-04-02	Requirements for Supplementary Data Calls	Mr. Mathes	Needs CIT Recommendation	Army – Concur – As long as there is a way to objectively refine the data AF – Concur – As long as there is a way to objectively refine the data Navy – Non-Concur Marines – Concur – As long as there is a way to objectively refine the data

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1

Critical Unresolved Issues (As of 4 Oct 04)

Reference Number	Issue	Issue Paper Author/Date of Submittal to CIT	Required TJCSG Executive Action/Date of Next TJCSG Mtg	CIT Recommendations
08-25-04-01	Subcapability Identification	Mr. Cahill	Need CIT Recommendation	Army – Concur AF – Concur – As long as it's from site comptroller Navy – Non-Concur Marines –
08-23-04-01	ACAT #	Mr. Ryan	Need CIT Recommendation On Hold	Army – AF – Navy – Concur Marines –
09-27-04-01	Physical Capacity	Dr. Rohde	Need CIT Recommendation	Army – Concur AF – Navy – Marines –

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Critical Unresolved Issues (As of 4 Oct 04)

Reference Number	Issue	Issue Paper Author/Date of Submittal to CIT	Required TJCSG Executive Action/Date of Next TJCSG Mtg	CIT Recommendations
09-30-04-01	Infrastructure Capacity	Mr. Ryan	Need CIT Recommendation	Army – AF – Navy – Concur Marines –

W&A Scenario Discussion

7 October 2004

6 Oct 04

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W&A Scenario 1

Combined RDAT&E Centers for Conventional Weapons & Armaments

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Scenario 1 Guidelines

- Integrate missile/air ordnance R, D&A, T&E into 3 core complexes
 - Includes program mgmt and technical execution for all three functions
 - Requires availability of T&E facilities/ranges and range support on some donor sites
 - Joint or Service Specific Options
- Propose Joint Lab (6.1)
 - New Addition to W&A scenario; combine W&A 6.1 with other 6.1 S&T work at TBD location
- Retain organic RD&A energetic capability
 - Consolidate to fewer than the five existing sites
- Preserve and consolidate unique specialty capabilities
 - Unique competency not replicated elsewhere or critical mass for facilities/people
 - These may be receiving sites for their specialty areas from both gaining activities and donors
 - Addresses one or two functions of RDAT&E
 - E.g. Guns/ammo, DEW, Underwater, Ship Systems/weapons integration
- Imply consolidated management structure by site

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W&A Scenario 1 Impacts

- Retains: 9 sites plus 5 other T&E Facilities/OARs
 - 3 Core Complexes
 - 6 Specialty sites [may be fewer]
 - 5 Sites for T&E facilities and workload in addition to core and specialty sites
 - Point Mugu, Panama City, Keyport, Yuma, Holloman @ WSMR
- Consolidates: W&A work at 36 respondents
- 13 of 58 respondents had questionable entries, were incompatible or were too small to consider
 - Will not be included in scenarios [military judgment]
- Close collaboration with E&T Ranges for OAR use

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W&A Scenario 1 Gainers and Donors

- Potential Gaining Activities [major contributors of total FTEs in all functions]
 - Redstone, Eglin, China Lake
- Joint Lab (6.1) (new addition to W&A scenario)
 - ARL/ARO, CNR, NRL, AFRL, AFOSR and other 6.1 work in W&A facilities
 - Combine with other non-W&A 6.1 activities
- Potential Donors:
 - To Redstone:
 - Aberdeen (missile R, missile/gun/ammo T&E)
 - MDA Alabama
 - MDA Colorado & Alaska (option 3)
 - MDA NCR
 - DTRA (NCR, Albuquerque, Nevada) (option 3)

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W&A Scenario 1: Combined Centers for W&A RDAT&E

- Potential Donors:
 - To China Lake:
 - Point Mugu RDAT&E, except OAR
 - Port Hueneme, except deep water port
 - Crane except guns
 - Pax River -- PMs & Technical (option 1)
 - Quantico -- PMs & Technical (option 1)
 - Corona D&A, T&E (analysis)
 - CNR [non-6.1]
 - NAVSEA and NAVSURF WNY W&A PMs; NAVSEA W&A HQ functions
 - Wright Patterson AFB (T&E and D&A which may be mis-binned) (option 2)
 - MDA Colorado & Alaska (option 1)
 - DTRA NCR, Albuquerque, Nevada (option 2)
 - Edwards T&E
 - To Eglin:
 - Pax River -- PMs & Technical (option 2)
 - Hill AFB (T&E and D&A which may be mis-binned)
 - Wallops Island D&A, T&E [?]
 - Tinker D&A
 - Wright Patterson AFB (T&E and D&A which may be mis-binned) (option 1)
 - MDA Colorado & Alaska (option 2)
 - DTRA NCR, Albuquerque, Nevada (option 1)

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Specialty Capability Locations for W&A Scenario 1

- **Picatinny:**
 - Core location for Guns/ Ammo R, D&A [single manager for conventional ammunition for joint services]
 - Potential Donors: Aberdeen (gun/ammunition R), Adelphi (gun ammo fuzes RD&A), Crane (small guns), Quantico – PMs & Technical (option 2), China Lake (gun), Watervliet (Benet Lab) D&A (gun barrels), Rock Island D&A
- **Newport:**
 - Core location for Underwater weapons R, D&A, T&E [sonar/ acoustic torpedo focus]; weapons integration on submarine platforms
 - Potential Donors: Keyport R, D&A; Panama City [mines, uninhabited underwater vehicles]; NUWC W&A HQ
- **Dahlgren:**
 - Ship Systems/weapons integration, except guns T&E to WSMR
 - Potential Donors: Crane (large guns), Dam Neck (ship systems integration -- may be mis-binned)
- **Kirtland:**
 - Core location for Directed Energy Research [potential expansion for D&A]; potential to become joint center
 - Potential Donors: All DE Research from all gaining and donor activities [Note: including known D&A at Edwards; other locations TBD]
- **WSMR:**
 - Directed Energy T&E; conventional weapons
 - Potential Donors: Ft. Hood [Air Defense Test Directorate], Dugway (smoke/illum. artillery T&E), Holloman AFB T&E (already on-site)
- **Retain organic RD&A energetic capability (Indian Head including NOSSA and NAVODTECDIV), China Lake, Picatinny, Redstone and Eglin)**
 - Move to fewer selected sites
 - Fragile intellectual capital, expensive infrastructure, impractical to move (can only be located at sites that already have energetic facilities)

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Implications for T&E

- **Availability of T&E Facilities/ OAR and OAR support on Donor Sites Required:**
 - Point Mugu: Sea Range
 - Panama City: Underwater Ranges
 - Keyport: Secure and deep water ranges
 - Yuma: Terrain?? [or consider CL or WSMR]
 - Holloman: Hypersonic Sled Track; Signature Measurement
- **W&A would not require range & range support from (work load/special facilities move to other OARs):**
 - Aberdeen ranges
 - Port Hueneme deep water port

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Notes

- Yuma T&E work mis-binned in R and D&A [experimental test with RD&A \$]
- Edwards T&E work is platform integration

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W&A Scenario 2

- Combine weapons / integration, targeting, mission planning with W&A R, D&A, T&E into 3-4 core complexes

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W&A Scenario 2 Guidelines

- Combine weapons platform integration, targeting, mission planning with W&A R, D&A, T&E into 3 or 4 core complexes
 - Includes program mgmt and technical execution for Weapons and Armaments Programs in all three functions with specialty sites and availability of OARs
 - Requires earlier involvement of government technical expertise in the program
 - Does not include program management for Platform programs
 - Does not change funding flows or new platform lead responsibility of contractors
- Transformational Value
 - Software Integration Process [Best Practices] standardization via W&A integrated complexes
 - e.g. Software Engineering Institute Model reduces cycle time and cost
 - Systems Integration Lab approach to weapons/platform integration [simulations/ HWIL]
 - Opportunity to standardize interfaces essential for NCW
 - Interoperability potential
 - May reduce life cycle costs [e.g. training/ logistics]
 - Expertise shared among platforms/ weapons
 - Organic Expertise available for Rapid Response and life cycle support in proprietary system environment
 - Lessons learned to New Systems

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Background

- Weapons System Integration Models vary with Many Parallels
- New Platform Programs
 - USAF: SPOs coordinate and fund contractors to integrate weapons systems; transition iSE to Depots [Air Logistics Centers] at a specified time depending on maturity level. Contractors have primary system integration responsibility until transition to ISE [e.g. F-22 ISE TBD]
 - USN: PMs coordinate and fund contractors and Warfare Centers integrate weapons systems; Contractor has primary lead early in development cycle; organic government at Warfare Centers involved early in development cycle and ramp up as transition to ISE approaches [e.g. JSF WSSA TBD]
 - USA: Government weapons labs do prototypes; contractors have primary system integration responsibility; government organic workforce accomplishes fixes. [Guns/ ground platforms may have less government technical involvement]
- Existing Platform Programs/ In Service Engineering [Upgrades/ Changes]
 - USAF: Air Logistics Centers [organic government + ESS] or selected sites [depending on A/C location] with some organic government involvement [e.g. F-16 at Hill/Ogden-ALC; F-15 at WR-ALC; B-2 at Whiteman,MO where A/C are]; Use integration labs
 - USN: Platform and Weapons PMs fund Warfare Centers [organic government + ESS] [e.g. F-18, AV-8B at China Lake; F-14 at Point Mugu; Standard Missile at Dahlgren; torpedoes at Newport]; use integration labs
 - USA: Platform Integration done in government weapons labs [rotary wing or ground platforms and missiles]; Gun Integration done at Ground Platform Sites by contractors? [guns on ground platforms]. Use integration labs

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W&A Scenario 2 Guidelines [cont]

- Propose Joint W&A Lab (6.1) (new addition to scenario)
- Retain organic RD&A energetic capability
- Preserve and consolidate unique specialty capabilities
 - Unique competency not replicated elsewhere or critical mass for facilities/ people or require availability of resident ranges
 - These may be receiving sites for their specialty areas from both gaining activities and donors
 - Primarily addresses one or two functions
 - Guns/ammo, DEW, Underwater, Ship Systems/weapons integration
- Imply consolidated management structure by site
- Requires additional information to identify platform integration at ALSS and W&A locations

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13

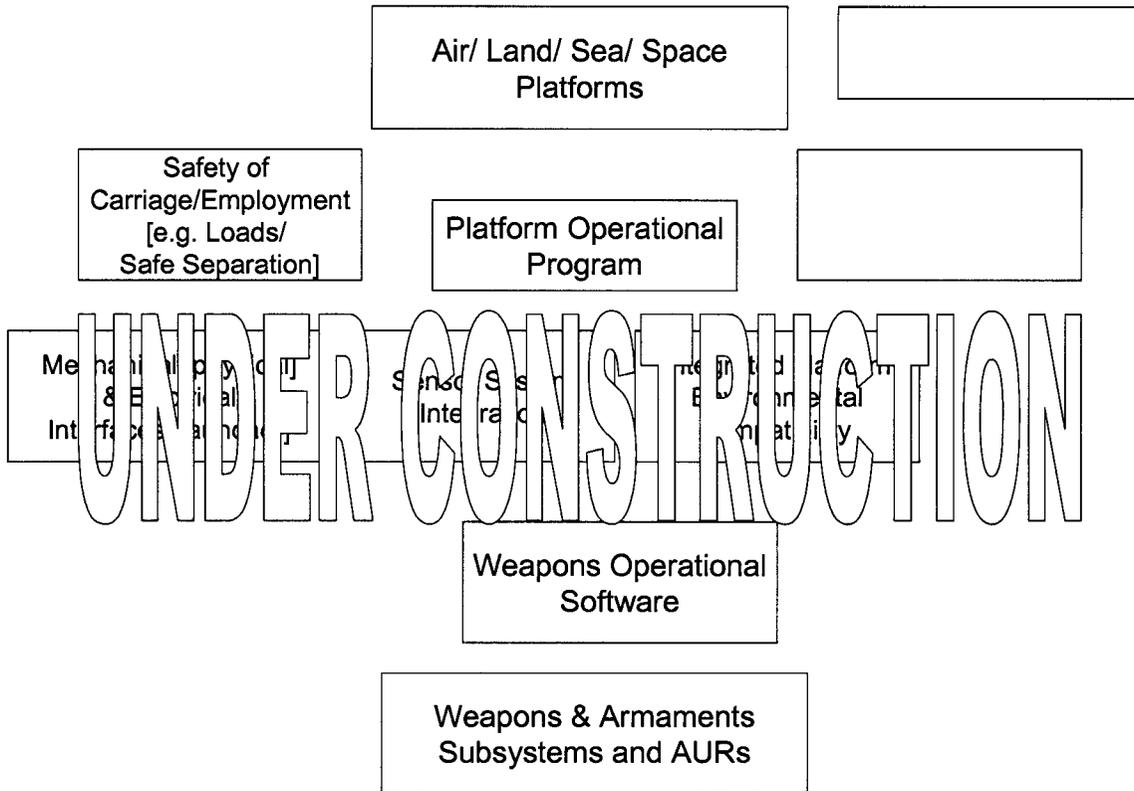
W&A Scenario 2

- Impacts: Same as Scenario 1 plus Impacts for Platform Integration
 - May add Core Complex for Guns?
- Potential Donors
 - Same as for Scenario 1 plus Platform Integration work:
 - Examples: Warner Robbins, Wright Patterson, Edwards, Tinker, Hill, Eglin, China Lake, Newport, PAX River, Point Mugu, Dahlgren, Detroit Arsenal, Redstone
- Specialty Locations and Implications for T&E
 - Same as for Scenario 1; potentially others for integration

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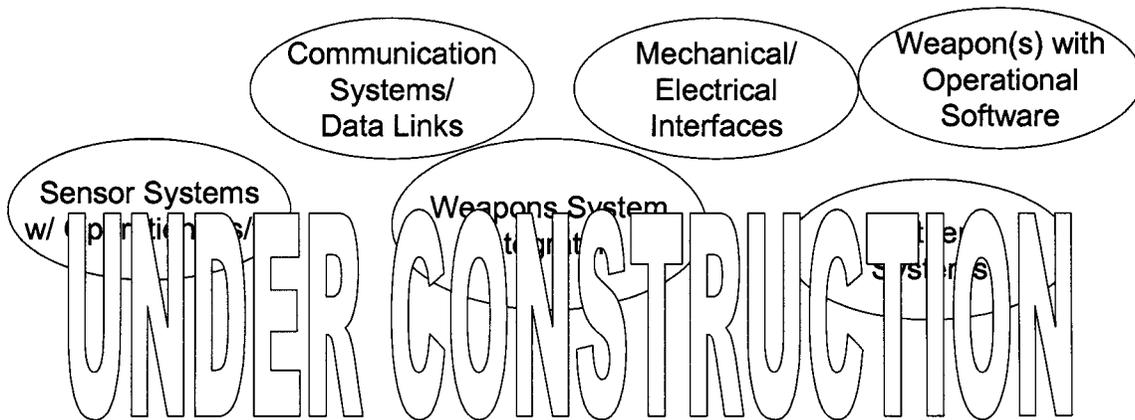
14



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W&A Scenario 3

Combined Centers for Directed Energy Weapons

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Scenario 3 Guidelines

- Combine R, D&A Directed Energy weapons into one site; May include other specialty sites; Use appropriate sites for T&E
 - Kirtland: DEW Core Complex for R, D&A
 - WSMR: DEW Core Complex for T&E
 - Other DEW Specialty Sites possible
 - 6.1 S&T move to Joint 6.1 Lab
- Sub-DTAP level data needed to identify DEW missions performed at W&A locations
- Coordination with other subgroups and E&T required
- Requires access to classified information

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18