

Consolidated Storage Program (CSP) Overview for Industry Day



Consolidated Storage Program
Acquisition Team



Administrative Information

Tinian Room, Bldg 730, Camp Lejeune, NC

- **In the event of a fire or emergency**
 - Exit through the main entrance doors walk through the main lobby and exit through the automatic entrance and exit doors.
 - Alternate: personnel can exit through one (1) of the eight (8) double doors on the left side of the Tinian Room as you are entering the room.
- **Emergency evacuation and gathering place**
 - Muster by the Dempsey Dumpsters located in the parking lot.
- **Emergency phone #s**
 - Phone 911
- **Location of Restrooms**
 - As personnel are leaving the Tinian Room, the male restroom is located on the left hand side before you enter the main lobby.
 - For the female restroom, they will go straight across the main lobby towards the Betio Ballroom, and the female restroom is located on the left hand side.
- **Location of Vending areas drinks/snacks**
 - Water fountains are located on the right hand side as you enter the second set of automatic glass doors of the main lobby from the outside parking lot.



Administrative Details

- Please enjoy the refreshments
- Parking, note that some spaces are reserved
- Lunch. (Return on time).
- No cell phone use while driving on base.
- Please turn cell phones off during briefs.
- Smoking area. (Outside patio doors of Tinian Room).
- Watch out for individuals/units running



Schedule Day 1

26 January 2011

- 0800-0845
 - Registration/Sign-in
- 0845-0915
 - Welcome, admin remarks
- 0915-1030
 - CSP Current Operations
 - Future CSP Efforts/Projects
- 1030-1045: Break
- 1045-1130
 - AVC guidance for CSP



Schedule Day 1 (continued)

26 January 2011

- 1130-1215
 - Information Assurance
- 1215-1230
 - Wrap up
- 1230-1330
 - Lunch
- 1330-completion Tours (UIF-IIF-SOI). Will be 2 groups (A&B).
- *(Please do not disturb employees or customers during the tour.)*



Schedule Day 2

27 January 2011

- 0830-1000
 - Group questions and answers
- 1000-1630
 - Transition to Bldg. 1501, Room 101C, (910)451-1160, for one-on-one meetings.



Consolidated Storage Program Overview

- Combines Infantry Combat Equipment (ICE), Chemical, Biological, Radiological, Nuclear (CBRN) Equipment, Special Training Allowance Pool (STAP) items, and Soft Walled Shelters and Camouflage Netting (SWS&CN) under the Individual Issue Facility (IIF) and Unit Issue Facility (UIF) paradigm.



Contractual Comments/Caveats

- There is no approved acquisition plan or strategy for this effort at this time.
- Information obtained from industry during or after this event will be used as market research to finalize plans and to support the current tentative plans.
- Conducting this event in no way obligates the government to follow the process described herein or to issue a solicitation.



Purpose

- First and foremost intent for Industry Day is ***Market Research.*** ***There is no approved Acquisition Plan or Strategy in place at this time :***
- Also:
 - Provide overview of Consolidated Storage Program
 - Elaborate on Request For Information (RFI)
 - Discuss goals, issues, capability needs, constraints
 - Furnish tentative contract vehicle and schedule info
 - Address any questions received prior to today
 - Provide tour of CLNC IIF/UIF and SOI facilities



Market Research Questions

or

“What the Government expects to hear from Industry”

- General 3rd Party Logistics (3PL)/Contactor Logistics Support (CLS) critical success factors, pitfalls, risks
- Performance measures/information collection methods used for customer satisfaction (external and internal)
- Best practices developed/used
- Industry’s perspective on the USMC Consolidated Storage Project (CSP):
 - Understanding of CSP concept, goals, issues - comments/concerns/ideas (SOO, presentations, website)?
 - “Stable” environment – Is information sufficient/more required to understand USMC needs/constraints?
 - What should we consider when selecting a contractor?
 - What should we know?
 - What do you need to know?
- Is your company interested in participating in this project?



Guidelines for conduct of Industry Day

- Request that to the greatest extent possible all questions be written on the provided index cards.
- All responses to questions will be posted on Marine Corps Logistics Command (MCLC) Contracts website,
www.logcom.usmc.mil/contracts/csp/default.asp
- No photos authorized during tour. Example photos will be placed on website,
www.logcom.usmc.mil/contracts/csp/default.asp



Guidelines for conduct of Industry Day

- During tour, all questions should be written down and will be addressed the following day.
- Limited questions should be asked of facility employees or customers.
- Please be courteous and minimize disruptions to facility operations.
- Everyone must stay within their assigned groups while touring facilities.
- Do not return to facilities at any time for additional info or to discuss operations with current staffs.
- 9 February 2011 is the cutoff for questions and feedback resulting from Industry Day. All communication should be addressed to LOGCOM Contracts at (229)639-6776



CSP Acquisition Web Page

<http://www.logcom.usmc.mil/contracts/csp/>



CSP Acquisition Web Page

-Archived Documents-

WLALBY415289 Unclassified

WWW.LOGCOM.USMC.MIL - Contents of the /contracts/csp/CSP RFI Supporting Documents/ folder - Microsoft Internet Explorer provide

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CSP Acquisition Web Page

-AVC Capabilities-

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Consolidated Storage Program Overview

- The CSP previously operated as the Consolidated Issue Facility (CIF) and the Consolidated Storage Facility (CSF) programs. These facilities were transitioned to Individual Issue Facility (IIF) and Unit Issue Facility (UIF) under the CSP concept.
- This has improved service to the USMC by allowing an individual Warfighter to receive all of his individual equipment at one facility. They no longer have to go to a separate facility to receive their Field Protective Mask (FPM).
- Units requiring equipment for either training or deployment can draw all Special Training Allowance Pool (STAP) equipment; Chemical, Biological, Radiological, Nuclear (CBRN-D) equipment; and Soft Walled Shelters & Camouflage Netting (SWS&CN) from one facility.
- CSP is a mature program that has consistently met high customer service expectations. Warfighters know they will get what they need, when they need it.
- Operations Iraqi Freedom (OIF) and Enduring Freedom (OEF) have placed great operational tempo on CSP network.



Who's Who

- Supported Commands
 - – Marine Expeditionary Forces (MEF) (I MEF, II MEF, III MEF & Marine Forces Reserves (MFR))
 - Training and Education Command (TECOM)
 - – Marine Corps Systems Command (MCSC)
 - Total Life Cycle Manager
 - Acquisition & Fielding
 - Planning & Forecasting
- Supporting Command
 - – Marine Corps Logistics Command (MCLC)
 - Logistics Chain Manager
 - Contract Holder



What the Government Expects

- Effective (right things, right place, right time) distribution of serviceable equipment/clothing to Marines (Unit & Individual)
- Improved item management and accountability and visibility processes; and
- *Reduced logistics management costs* through standardized processes
- The results of this contract effort will directly impact the lives of individual Marines therefore the contractor's efforts must maintain equipment readiness through innovative approaches



Anticipated Government Approach to CSP Contract Award

- Will be a performance-based logistics contract.
- Will be Fixed-Price contract with some Time and Material CLINs.
- Base year plus four option years. (Total of five years).
- CLIN structure will be defined in RFP.
- Increasing program scope with this contract.



Critical Success Factors

- Equipment/clothing processes that promote high levels of readiness
- Warehouse operating structure that provides serviceable inventory, efficient material handling processes, a well trained workforce, and flexibility to provide rapid response and sustainment capabilities
- Integrated technology that provides complete visibility of equipment/clothing activity, location, and condition throughout the enterprise which can be used by each Marine Corps unit to support management reporting



Vendor Constraints

- Government-provided facilities and equipment
- Geographical distribution of model inventory
- Inventory Management and Asset Visibility information infrastructure must
 - operate within “.mil” environment and in compliance with Department of Defense Information Assurance directives
 - interact with other information systems (e.g., MDSSII, GCSS-MC, etc.)



Government's Management Approach

- CSP is headquartered in Albany, GA, and is responsible for all USMC reporting of CSP assets
- CLS must have representation in Albany, GA, with decision making authority
- On-site Contracting Officer Representatives (CORs)
 - On-site Government agent (see CSP regional points of contact)
 - Quality Assurance and Surveillance responsibilities



Government's Management Approach

- CSP is responsible to individual Marines, Unit Commanders, and higher/adjacent Commands
- The CLS provider augments and reinforces through exceptional performance in the warehouse environment
- The CLS provider is a critical partner to the CSP and the Marine Corps/Navy.



Summary

- The results of this contract effort will directly impact the lives of individual Marines therefore the contractor's efforts must maintain equipment readiness through innovative approaches
- Point of Contact
 - LOGCOM Contracts

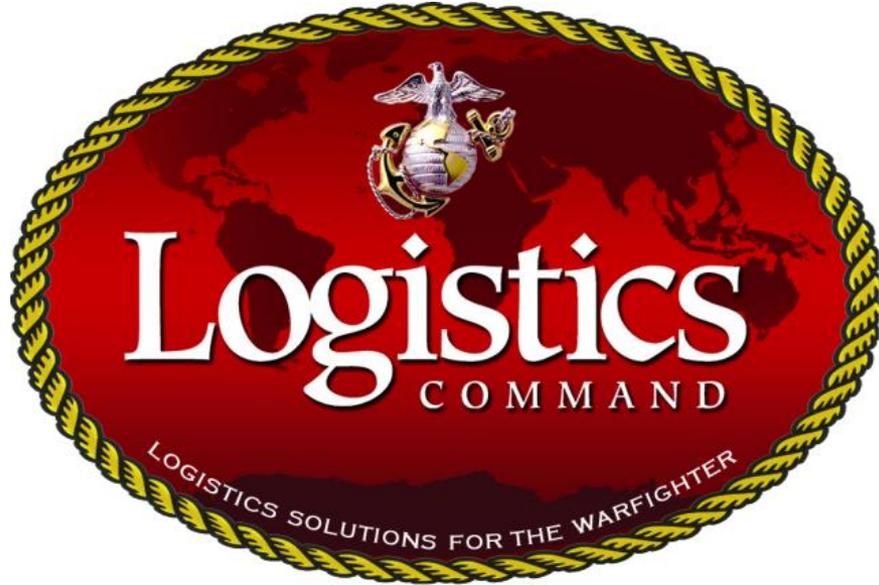


Anticipated Critical Dates for CSP Acquisition

Pre-Proposal Conference	Jun, 2011
RFP Issued by LOGCOM	Jul, 2011
Proposals due to LOGCOM	Sep, 2011
Vendor Orals	Dec, 2011
Final Proposals	Mar, 2012
Business Clearance Memo	Jul, 2012
Contract Award	Aug, 2012



Consolidated Storage Program (CSP) Operations Overview for Industry Day



Consolidated Storage Program
Acquisition Team



Current Operations



THE MARINE CORPS AS OF JAN. 14

California
Camp Pendleton
 Marines conduct explosive munitions training in mid-January.

Marine Corps Air Ground Combat Center
 The following units conduct pre-deployment training at Twentynine Palms in January:

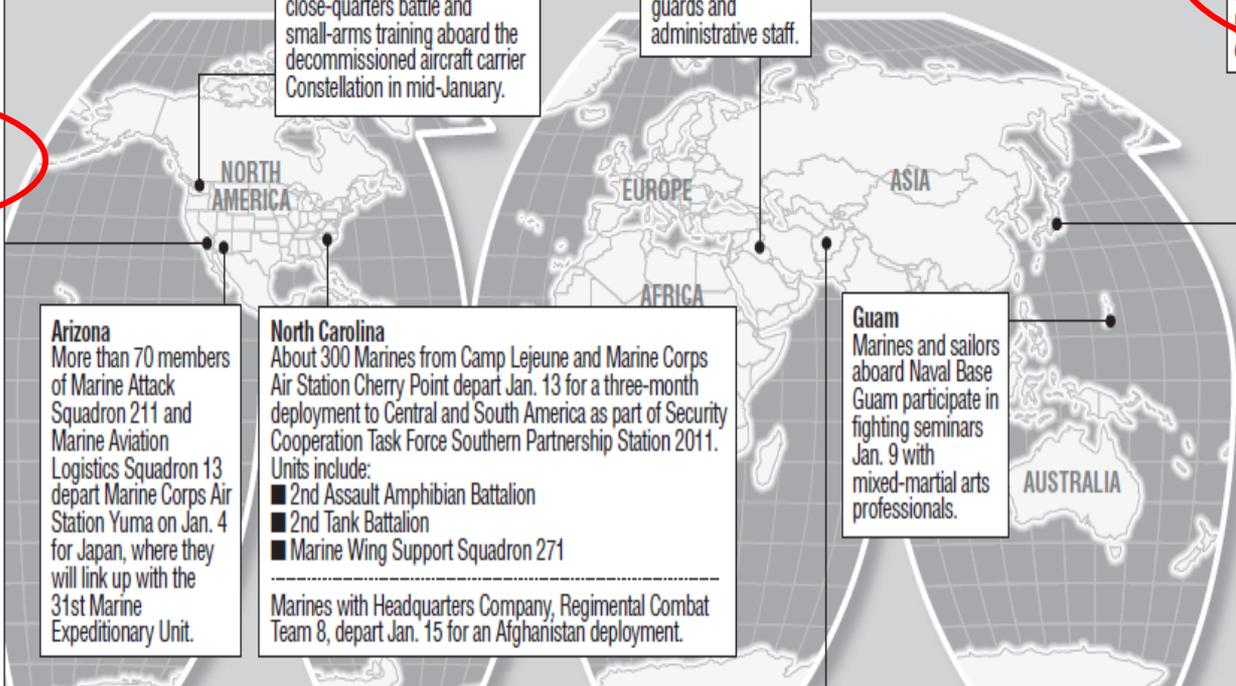
- 3rd Battalion, 4th Marines
- 1st Battalion, 5th Marines
- 1st Battalion, 12th Marines
- Charlie Company, 1st Tank Battalion
- Fox Company, 4th Tank Battalion
- Charlie Company, 2nd Assault Amphibian Battalion
- Alpha Company, 3rd AABN
- Combat Logistics Regiment 1
- Combat Logistics Battalion 7
- 2nd Maintenance Battalion
- 2nd Combat Engineer Battalion
- 3rd Marine Aircraft Wing Site Coordination Team
- Marine Medium Helicopter Squadron 268
- Marine Heavy Helicopter Squadron 462
- Marine Light Attack Helicopter Squadron 367
- Marine Attack Squadron 214
- Marine Aerial Refueler Transport Squadron 234
- VMGR 452

Members of 1st Battalion, 7th Marines, return Jan. 8 to Twentynine Palms after a deployment with the 31st Marine Expeditionary Unit.

Washington
 Members of the Marine Corps Security Force Battalion at Naval Base Kitsap conduct close-quarters battle and small-arms training aboard the decommissioned aircraft carrier Constellation in mid-January.

Iraq
 About 100 Marines, including embedded trainers, embassy guards and administrative staff.

STATUS OF FORCES (as of Jan. 14)
 Active duty: 201,999
 Selected Marine Corps Reserve: 39,697
 Reservists on active duty: 5,017
 Don't see your unit on this map? Send an e-mail to bernhardt@militarytimes.com.



Arizona
 More than 70 members of Marine Attack Squadron 211 and Marine Aviation Logistics Squadron 13 depart Marine Corps Air Station Yuma on Jan. 4 for Japan, where they will link up with the 31st Marine Expeditionary Unit.

North Carolina
 About 300 Marines from Camp Lejeune and Marine Corps Air Station Cherry Point depart Jan. 13 for a three-month deployment to Central and South America as part of Security Cooperation Task Force Southern Partnership Station 2011.
 Units include:
 ■ 2nd Assault Amphibian Battalion
 ■ 2nd Tank Battalion
 ■ Marine Wing Support Squadron 271
 Marines with Headquarters Company, Regimental Combat Team 8, depart Jan. 15 for an Afghanistan deployment.

Guam
 Marines and sailors aboard Naval Base Guam participate in fighting seminars Jan. 9 with mixed-martial arts professionals.

Japan
 ■ 2nd Battalion, 5th Marines
 ■ Bravo Battery, 1st Battalion, 12th Marines
 ■ Marine Attack Squadron 542
 ■ Elements of Marine Light Attack Helicopter Squadron 469
 ■ Elements of Marine Heavy Helicopter Squadron 361
 ■ Marine All Weather Fighter Attack Squadron 224
 ■ VMFA (AW) 225

Members of Combat Logistics Battalion 31 on Jan. 12 conclude CLBEX, a bi-annual exercise that readies troops for deployment with the 31st Marine Expeditionary Unit.

Afghanistan
 21,500+ Marines
 1 Marine Expeditionary Force (Forward)

Command Element
 1 MEF Headquarters Group (Fwd)
 ■ 9th Communications Battalion
 ■ 2nd Air Naval Gunfire Liaison Company
 ■ 1st Radio Battalion
 ■ 1st Intelligence Battalion
 ■ 3rd Battalion, 25th Marines

Ground Combat Element
 1st Marine Division (Fwd)
 ■ 1st Battalion, 10th Marines
 ■ 2nd Reconnaissance Battalion
 ■ 3rd Light Armored Reconnaissance Battalion
 ■ 1st Combat Engineer Battalion

Regimental Combat Team 1
 ■ 2nd Battalion, 1st Marines
 ■ 2nd Battalion, 3rd Marines
 ■ 2nd Battalion, 9th Marines
 ■ 3rd Battalion, 9th Marines

■ Elements of 3/25
 Regimental Combat Team 2
 ■ 3rd Battalion, 5th Marines
 ■ 1st Battalion, 8th Marines
 ■ Elements of 3/25

Aviation Combat Element
 3rd Marine Air Wing (Fwd)
 ■ Marine Fighter Attack Squadron 122
 ■ Marine Light Attack Helicopter Squadron 169

■ Elements of Marine Heavy Helicopter Squadron 361
 ■ Marine HMH-362
 ■ Elements of HMH-366
 ■ Marine Medium Tiltrotor Squadron 365
 ■ Elements of Marine Aerial Refueler Transport Squadron 352
 ■ Elements of VMGR-152
 ■ Marine Unmanned Aerial Squadron 2
 ■ Marine Aviation Logistics Squadron 16
 ■ Marine Aircraft Control Group 38
 ■ Marine Wing Support Squadron 373

Logistics Combat Element
 1st Marine Logistics Group (Fwd)
 ■ 8th Engineer Support Battalion
 ■ Combat Logistics Regiment 15
 ■ Combat Logistics Battalion 2
 ■ CLB 3

Other Marine units:
 ■ Elements of 1st and 2nd Marine Special Operations Battalions

SOURCE: STAFF RESEARCH, MARINE CORPS

STAFF



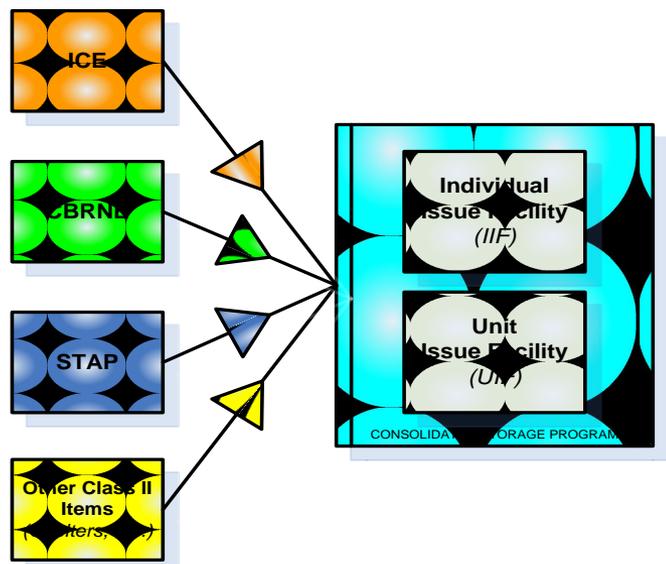
Consolidated Storage Program

- This program manages the issue, recovery, storage and sustainment of infantry combat equipment (ICE), chemical biological, radiological, nuclear defense (CBRN-D) equipment, special training allowance pool (STAP) equipment and soft-walled shelters and camouflage netting (SWS&CN).
- Active Marine Forces and elements of the Marine Corps Reserve and Training and Education command are supported by the CSP.





Consolidated Storage Program



The Marine Corps has transitioned to a functionality-based approach which leverages a combined infrastructure and co-location of issue, recovery and sustainment functions to increase equipment readiness across the Marine Corps enterprise.

ICE



CBRN



STAP



SWS&CN





IIF Overview

- **Individual Issue Facility**
 - Infantry Combat Equipment (ICE)
 - Designated Special Training Allowance Pool (STAP) Equipment for Individual Augments (IA)/Individual Ready Reserves (IRRs)
 - Field Protective Mask (FPM)
 - CBRN-D Personal Protective Equipment (IA/IRR)

- Performance Based Services include:
 - Issue
 - Receipt
 - Exchange
 - Recovery
 - Asset Visibility Capability
 - Laundry
 - Repair
 - Maintenance
 - Disposal
 - Inventory Accountability
 - Lot Number Control

•Equipment is individually issued



Individual Issue Facility Enterprise Operational Data Month of December 2010

- Customer Transactions
 - Issue: 21,755
 - Returns: 33,080
- Items (pieces) Processed
 - Issue: 391,191
 - Return: 479,030
- Laundry and Repair
 - Laundry: 114,074 pieces
 - Repair: 43,210 pieces
- Total Inventory Value: \$973,659,822





UIF Overview

- **Unit Issue Facility**

- Chemical, Biological, Radiological and Nuclear Defense (CBRN-D) Equipment
- Special Training Allowance Pool (STAP) Equipment
- Soft Walled Shelters and Camouflage Netting (SWS&CN)

- Performance Based Services include:

- Issue
- Receipt
- Exchange
- Recovery
- Asset Visibility Capability
- Repair
- Maintenance
- Disposal
- Inventory Accountability
- Shelf Life Management
- Equipment Readiness and Reporting
- Lot Number Control

• **Equipment is unit (responsible officer) issued**

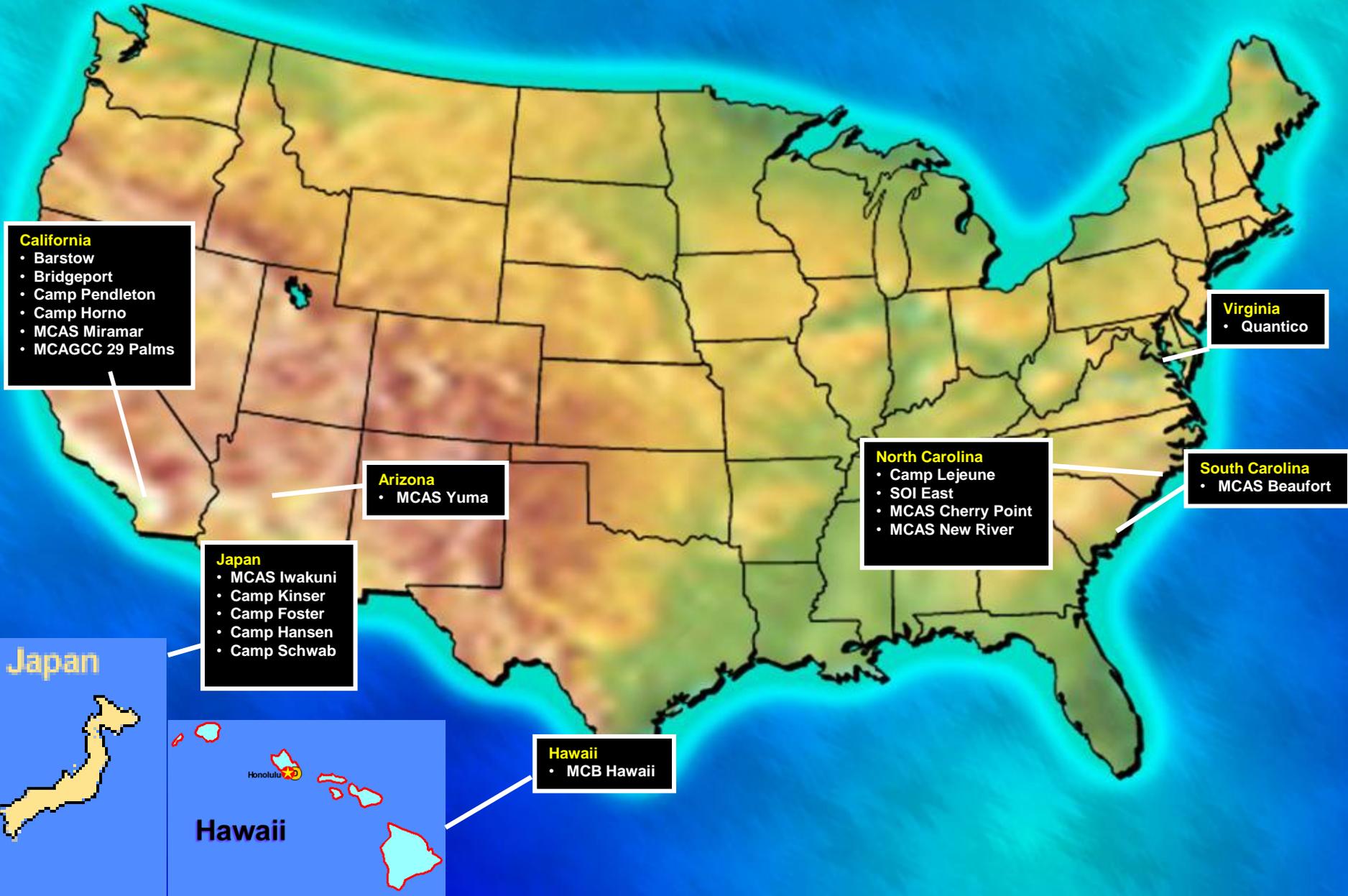


Unit Issue Facility Enterprise Operational Data Month of December 2010

- Total CBRN Inventory: 4,474,514 pieces valued at \$402,275,102
- Total STAP Inventory: 5,490,458 pieces valued at \$334,181,929
- Receipt and Recovery Activity: 345,660 pieces
- Issue Activity: 571 Orders or 441,163 pieces



CSP FACILITIES





CSP Future OPS

Where are we headed?





Soft-Walled Shelters & Camouflage Netting Consolidation

- Consolidation of SWS&CN within the Marine Corps Enterprise is underway.
- The goal is to complete the enterprise consolidation effort NLT Sep 2011.





National Capital Region Rapid Issue Facility (NCR-RIF)

- The NCR-RIF supplies Marines of the NCR with ICE and designated STAP equipment. Currently, MARCORSSYSCOM has the overall responsibility for NCR program management, with support from a 3PL.
- Commands supported by the NCR-RIF include H&S Bn, Marine Corps University, the Staff-Non-Commissioned Officer Academy, Officer Candidate School, and the Basic School.
- Program management and funding responsibilities for the NCR-RIF will transfer to LOGCOM/CSP on 1 Feb 2011.





Naval Logistics Integration

•**Naval Logistics Integration:** NLI coordinates Navy and Marine Corps business practices, processes, and technologies to form a seamless union of the support infrastructure, maximizing readiness and sustainability through the effective and efficient use of logistics resources.



•**Future CSP capabilities may include the assumption or establishment of facilities at:**

- The Seabee Readiness Group in Port Hueneme, CA
- The Seabee Readiness Group in Gulfport, MS
- Cheatham Annex, VA
- Norfolk, VA





Training and Education Command

- **Expansion of support beyond current sites:**
 - School of Infantry (East)
 - MWTC, Bridgeport, CA
- **Future sites may include:**
 - School of Infantry (West)
 - Camp Johnson
 - Marine Corps Recruit Depot – Parris Island
 - Marine Corps Recruit Depot – San Diego





Marine Forces Reserves

• Marine Forces Reserves are currently supported with the following commodities within CSP:

- STAP
- CBRN
- SWS&CN
- ICE (IAs/IRRs)

• Future requirements, while undefined at this point, will expand beyond the current support provided.





Consolidated Storage Program (CSP) Asset Visibility Capability (AVC)



Consolidated Storage Program
Acquisition Team



Consolidated Storage Program AVC Overview

- The Asset Visibility Capability (AVC) is the single most critical tool that the awardee brings to the Consolidated Storage Program (CSP).
- It is THE tool that the CSP uses to account for the 1.7 billion dollars worth of assets managed by CSP and provides the information necessary to ensure that the Warfighters have what they need when they need it.
- It provides the data that Total Life Cycle Management (TLCM) requires to make critical fielding and replenishment decisions.
- CSP cannot function without a robust and capable AVC.



What is an AVC?

- AVC is a SERVICE provided by the awardee.
 - This acquisition is not currently for the purchase of software and/or hardware.
 - Those are provided by the awardee to meet the operating and information requirements of the CSP and the TLCM managers.
 - System architecture and design is the responsibility of the awardee, subject to approval by CSP and will have to meet IA requirements (will be elaborated on in following brief).
 - Integration of legacy databases into their AVC will be the responsibility of the awardee.



What are some of the critical AVC requirements?

- Must be able to account for all CSP assets and accurately represent the condition code and location of those assets in near real time.
- Must be able to roll up and drill down.
 - Quantity totals must roll up from subordinate units to senior units (i.e. battalion totals must roll up into regiment and then division totals).
 - Users should be able to click on division totals and be able to see regiment totals, then click on regiment totals to see battalion totals. (drill down).
- Must be able to provide an audit trail of assets. Where did it come from? Who had it? Where did it go? Maintains history for research purposes.
- Must be able to provide scheduled and ad hoc reporting.
- Must be able to provide individual issue records for over 200,000 Warfighters.



What are some of the critical AVC requirements? (continued)

- Warfighters should be able to go online to view their account and validate what they have been issued.
- AVC should be able to individually track and account for all serialized items in CSP inventory.
- AVC should be able to track shelf life of perishable Chemical, Biological, Radiological, Nuclear Defense (CBRN-D) equipment.
- AVC should be able to track required maintenance and calibration of CSP assets.
- AVC should be web-based or web accessible.
- AVC must incorporate approved scanning technology for use in warehouses and issue/return locations.
- This is NOT a full list of requirements, but CSP has drafted a complete list and has posted it on the acquisition website,
www.logcom.usmc.mil/contracts/csp/default.asp



Spread Loading Requirement

- Marine Corps readiness reporting for CBRN-D equipment is still predicated on units down to the battalion level reporting available CBRN-D inventory against allowances.
- Unit allowances are reported in the Marine Corps' Total Force Structure Management System (TFSMS).
- AVC will have to import allowances from TFSMS, then spread load CBRN-D inventory from across the CSP network against each unit's allowances.
- Readiness data is considered 'sensitive' and each unit with established CBRN-D allowances, will have to have an account on the AVC so that they can login and review their data.
- Higher units can review lower units data, but lower units cannot review higher or adjacent units' data.
- CBRN-D inventory is 'fair shared' against unit allowances, regardless of location of unit or inventory.



AVC Infrastructure, Support, and Training

- List of Government owned IT equipment is posted on the acquisition website. Much of this will have to be replaced to meet IA requirements.
- Government will fund for and install NMCI/NextGen seats to be “.mil” compliant. Any additional infrastructure will be provided by the awardee.
- Primary data servers will have to be hosted in an accredited data center. The LOGCOM C4 data center will not be used.
- The awardee will provide a help desk support service to all AVC users. This does not have to be a 24/7 help desk, but should be available during regular working hours across the enterprise.
- The awardee will have to develop a training plan for AVC users. Should include mobile training teams for primary users, and computer-based training (CBT) for general users. Training HAS to be part of roll out planning.
- All system support will be the responsibility of the awardee.



Database Conversions/ System Testing

- The awardee will have to bring legacy databases into their AVC. These include:
 - Legacy IIF database.
 - Legacy UIF database.
 - National Capital Region (NCR) database.
 - Naval Logistics Integration (NLI) database.
- All data conversion and testing will be done by the awardee. The Government will expect to review and approve awardee conversion and testing plan(s).
- AVC conversion/roll out is a HUGE event that creates significant operational risks to CSP. Government will require a very robust testing and validation plan before new AVC is fielded.
 - Government will expect system demonstrations prior to fielding.
 - Government will expect to validate data integrity and system performance.
 - Roll out plan must include Pilot Demonstration at Initial Operating Capability site, prior to regional roll out. Ongoing operations will continue during AVC roll out.
 - Conversions will be done regionally (I, II, III MEF) to mitigate operational risk.



AVC Things to Consider

- CSP believes that the AVC is THE biggest hurdle for any awardee to provide.
- Vast majority of effort and cost associated with transition will be for the AVC effort.
- Awardee should be realistic in their development and roll out schedule. Government will expect a Plan of Action & Milestones (POA&M) for AVC development, testing, and roll out.
- Legacy AVCs are proprietary and the Government cannot provide examples of what has been done previously. Government owns data ONLY in legacy AVCs.
- Customers have come to expect a high degree of functionality and accuracy from the AVC. They will expect nothing less in the future. Ramp up period for AVC will be very short and it will have to work 'out of the box.'
- Once AVC transition begins, it will have to be completed in an expedient manner. Operating in 'half on, half off' manner is not optimal to CSP.
- Disruptions to CSP customers must be minimal.



AVC Things to Consider

(continued)

- AVC must be able to operate in a redundant manner.
 - IF there is a power outage in data center, or if line connectivity fails, IIFs and UIFs will still have to be able to operate.
- Equipment purchased for AVC should conform to Marine Corps' common hardware suite.
- Access to AVC will be driven by operational needs and IA requirements.
- CSP will actively partner with awardee to assist with set up and fielding of AVC. However, responsibility for design and production of AVC resides with awardee.
- Current databases contain Personally Identifiable Information (PII) and will have to be appropriately safeguarded and handled.
- There are great complexities and challenges associated with the AVC and the Government fully understands this. Government will very closely scrutinize awardee AVC planning for reasonableness and schedule viability.



Consolidated Storage Program (CSP) Information Assurance (IA)



Consolidated Storage Program
Acquisition Team

Historical Perspective





IA Mission Statement

Ensure cyber policies, procedures, standards, and methodologies are implemented within the Marine Corps to guarantee assured information delivery, data integrity, and ensured information protection — *HQMC C4 IA*



IA Quality Assurance

- Certification
 - The comprehensive evaluation of technical and non-technical security features of an information system and other safeguards, made in support of the accreditation process, to establish the extent to which a particular design and implementation meets a specified set of security requirements.
- Accreditation
 - A formal declaration by the DAA that an information system is approved to operate in a particular security mode using a prescribed set of safeguards to an acceptable level of risk.
- What is accredited?
 - Any equipment or interconnected system or subsystem of equipment that is used in the automatic acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data and includes computer software, firmware, and hardware.



IA Primer

- Terminology Hierarchy
 - Hardware, Software, Firmware = **System**
 - A group of **Systems** = **Network** (or “System of Systems”)
 - A group of **Networks** = **Enclave**
 - A group of **Enclaves** = **Enterprise**
- Software implementing services tie the hardware together.
- It all starts with a system that houses the data!
- Must consider the physical and virtual when defining systems.



IA Primer (cont.)

- Categorizing accreditation boundary construct:
 - **System** accreditation evaluates a major system application or a clearly defined independent system.
 - **Type** accreditation evaluates an application or system that is distributed to a number of locations.
 - **Site** accreditation evaluates applications and systems at a specific, self-contained location.
- Security control objectives:
 - Mission Assurance Category III: baseline (**CSP AVC**)
 - Mission Assurance Category II: control failure kills a mission
 - Mission Assurance Category I: control failure kills a Marine



IA Primer (cont.)

- Confidentiality Level (CL)
 - DoD has defined 3 CLs
 - Classified
 - Sensitive (**CSP AVC**)
 - Public
 - CL designation and USMC direction requires PKI authentication for the AVC.
- Sensitive information contained within the AVC will require a full and approved Privacy Impact Assessment (PIA)



PKI Authentication

- Access to the AVC will require PKI authentication. PKI authentication can be achieved by using:
 - Common Access Card (CAC) or
 - External Certificate Authority (ECA) Certificates/Tokens.
- MARADMIN 672/10 “POLICY FOR THE IDENTIFICATION, AUTHENTICATION AND AUTHORIZATION OF INDIVIDUALS TO ACCESS UNCLASSIFIED PRIVATE WEBSITES, PORTALS AND WEBBASED APPLICATIONS”
 - <http://www.marines.mil/news/messages/Pages/MARADMIN672-10.aspx>



SSN Reduction and PII

- There is a major push for the protection and reduction of Personally Identifiable Information (PII), e.g. SSN, in USMC systems.
- AVC contains SSNs which will need to be transitioned to an alternative mechanism for identification.
- MARADMIN 162/10 “SAFEGUARDING PERSONALLY IDENTIFIABLE INFORMATION”
- IDs, forms, and soon applications will have mandatory mitigation and reporting processes. (MARADMIN 0262/09 & 646/10)
- Reference for mitigation strategies: Directive-Type Memorandum (DTM) 2007-015-USD(P&R) – “DoD Social Security Number (SSN) Reduction Plan”
 - <http://www.dtic.mil/whs/directives/corres/pdf/DTM-07-015.pdf>
- PIA will also require DoN Privacy Office approvals.



Current IA Process

- Process dependent on system, typically broken into development and COTS/GOTS:
 - Development: Marine Corps Systems Command (MCSC), Information Assurance Division (IAD)
 - COTS/GOTS “Approved Technology”:
Headquarters Marine Corps (HQMC)



MCSC IA Process

- Gate 1 – Certification Requirements Review (CRR)
 - CRR Brief, System Identification Profile (SIP), C&A Tasks and Milestones, Privacy Impact Assessment (PIA), IAM/IAO Appointment
- Gate 2 – IA Control Implementation Determination (IACID)
 - Inherited, Not Applicable, Compliant, Not Compliant.
- Gate 3 – DIACAP Implementation Plan (DIP) Concurrence
 - C&A Plan, Approved IACID, Updated SIP, Updated Tasks and Milestones
- Gate 4 – Independent Verification and Validation (IV&V)
 - Marine Corps Operational Test & Evaluation Activity (MCOTEA) and Space & Naval Warfare Systems Command (SPAWAR) have been designated as the only independent entities allowed by MCSC IAD to conduct IV&V. (Plan on 6 weeks minimum)



MCSC IA Process (cont.)

- Gate 5 – Certification and Accreditation
 - Complete IA package if forwarded to MCSC for approval, IAD forwards ATO recommendation to HQMC for Marine Corps Enterprise Network (MCEN) Designated Approving Authority (DAA) concurrence.
- Annual Review
 - One third of IA controls must be tested every year.
- Re-accreditation
 - Major changes require re-accreditation
 - System must be accredited every 3-years.



HQMC IA Process

- Register the system in XACTA (SIP)
- Define IA Controls (DIP) or IACID
- Develop System & Security Artifacts
- Independent Verification & Validation results
- DAA Acceptance
- Lifecycle Management
 - Annual review
 - Re-accreditation
 - Major system changes
 - 3-year recertification



HQMC IA Tracking Tool XACTA

- Automated IA workflow and information management tool
- Internet and NIPRnet Accessible
- CAC Authentication
- Automated testing of technical controls
- Ties in with other Enterprise Security Solutions Group (ESSG) tools
 - Retina
 - Security Readiness Review (SRR)
 - Host-based Security System (HBSS)
- Email notifications
- POA&M Tracking
- Training is available/provided.



USMC DAA Guidance

- “Risk Balanced” World
 - Risk Avoidance = so locked down, the mission can’t be done.
 - Risk Ignorance = so open, the mission can’t be done safely.
- What a vulnerability means:
 - Category 1 = unmitigated is never acceptable per DoD Directive
 - Category 2 = must be mitigated before full approval to operate is granted.



IA References

- Federal Information Security Management Act (FISMA) of 2002
 - Requires implementation of policies and procedures to cost- effectively reduce information technology security risks to an acceptable level
 - Requires annual status report to Congress by March 1 by all federal agencies
 - Quarterly POA&M reporting requirements
 - Consequences of non-compliance includes reduction of funding



IA References (cont.)

- DoDD 8500.01E, Information Assurance (IA), 24 Oct 2002 (current as of 23 Apr 2007)
 - Achieve IA through defense-in-depth approach by integration of personnel, operations and technology
- DoDI 8500.2, Information Assurance (IA) Implementation, 6 Feb 2003
 - Implements policy, assigns responsibilities, and prescribes procedures for applying integrated, layered protection of the DoD information systems and networks
 - Includes the applicable IA Controls by MAC and CL



IA References (cont.)

- DoDI 8510.01, DoD Information Assurance Certification and Accreditation Process (DIACAP), 28 Nov 2007
 - Establishes C&A process to manage the implementation of IA
 - Provides visibility of accreditation decisions
 - Includes format/examples for SIP, DIP, POA&M
- DoD 8570.01-M, Information Assurance Workforce Improvement Program, 25 Feb 2010
 - Identification and categorization of positions and certification of personnel conducting Information Assurance (IA) functions



IA References

- SECNAVINST 5211.5E: "DON Privacy Program"
 - <http://www.doncio.navy.mil/PolicyView.aspx?ID=799>
- Privacy Act of 1974
 - <http://www.justice.gov/opcl/privstat.htm>
- MARADMIN 491/08. INTERIM GUIDANCE FOR HANDLING, /SAFEGUARDING AND REPORTING BREACHES OF PERSONALLY IDENTIFIABLE/INFORMATION (PII)"
 - <http://www.usmc.mil/news/publications/Documents/MCBul%205239%20DTD%203Sep08.pdf>



IA Online References

- Information Assurance Support Environment
<http://iase.disa.mil/>
- DoD Information Assurance Certification & Accreditation Process (DIACAP) Knowledge Service
<https://diacap.iaportal.navy.mil> (CAC required)
- DoD Issuances <http://www.dtic.mil/whs/directives/>
- National Institute of Science and Technology (NIST) Computer Security Resource Center
<http://csrc.nist.gov/index.html>
- USMC Privacy Office
<http://www.usmc.mil/unit/hqmc/pa/Pages/Default.aspx>