



# NBC DEFENSE EQUIPMENT CONSOLIDATION IMPLEMENTATION

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**December 2003 (v5.1)**





# OVERVIEW



- **PURPOSE**
- **BACKGROUND**
- **OBJECTIVES**
- **CONOPS**
- **SUMMARY**



# PURPOSE



- **TO PROVIDE THE MARFORS AND SUPPORTING COMMANDS AN INFORMATION BRIEF ON THE CONOPS FOR NBCD EQUIPMENT CONSOLIDATION AND CENTRALIZED MANAGEMENT**



# BACKGROUND



- **AT A PP&O/MCCDC INTEGRATION DAY IN DEC 02, PROGRAM MANAGER NBCD (PM NBCD) LED A WORKING GROUP DISCUSSION ABOUT ALTERNATIVES TO ADDRESS NBCD SUPPORT ISSUES.**
  - MOS 5711 NBCD equipment management responsibilities have increased at a cost to unit operational readiness.
  - GAO, DODIG, & Naval audits repeatedly identify shortfalls in NBCD equipment management & readiness.
  - SORTS reports highlighting significant NBCD training & equipment shortfalls.



# BACKGROUND CONT'D



- **IN FEB 03 A STUDY GROUP FORMED & BEGAN DEVELOPING COURSES OF ACTION (COAS). (PM NBCD, PP&O, I&L, MCCDC, MCSC, MARFORRES/LANT/PAC, AND LOGCOM).**
- **THREE COAS WERE PRESENTED FOR FURTHER STUDY.**
- **PP&O SENT MSG TO MARFORS REQUESTING THEIR PREFERRED COA WITH COMMENTS JULY 2003**
- **PP&O BRIEFED MROC 23 SEP 03**
- **ACMC SIGNED / PUBLISHED MROC 14 OCT 03**
- **CMC PUBLISHED ALMAR 24 NOV 03**
- **MARINE CORPS BULLETIN (DRAFT) DETAILING CONOPS WILL BE RELEASED SHORTLY**



# OBJECTIVES



- **DEVELOP A NBCDE CONCEPT OF SUPPORT WHICH IMPROVES FORCE READINESS.**
- **CONSOLIDATE NBCDE FUNDING, ACQUISITION, & MANAGEMENT AT THE PROGRAM MANAGER'S OFFICE.**
- **RELIEVE OPERATIONAL UNITS FROM NBCDE STORAGE & MAINTENANCE RESPONSIBILITY.**
- **EMPLOY CONTRACTOR LOGISTIC SUPPORT (CLS) TO MANAGE INVENTORY AT CONSOLIDATED STORAGE FACILITIES (CSF'S).**
- **PARTNER WITH GLOBAL COMBAT SUPPORT SYSTEM-MARINE CORPS (GCSS-MC) PMO AND ALIGN WITH ILC OPERATIONAL ARCHITECTURE**



# MROC DECISION MEMORANDUM 67-2003



- **ACMC SIGNED 14 OCT 2003 - COA #3 BE PURSUED SUBJECT TO:**
  - MCB Quantico will be added as a site to support Marine Corps National Capital Region (MCNCR) NBCDE requirements.
  - DC, PP&O (supported by DC, I&OL, the MARFORs, and NBC Defense Systems Program Manager) will consider the consolidation of some NBCDE equipment in excess of unit training and homeland defense requirements at one or more centralized locations (e.g., MCLB Barstow) that would facilitate rapid shipping to an Aerial Port of Embarkation (APOE) or Seaport of Embarkation (SPOE).
  - The Facilities Assessment Team will address the issue of establishing a site at MCAS New River, as recommended in COA #3. COMMARFORLANT has stated his support for COA #3 modified to omit the MCAS New River site. The MROC is inclined to support COMMARFORLANT, if possible. The team will assess the requirement for a MCAS New River site and forward their recommendation and supporting rationale to DC, PP&O. DC, PP&O will consult with COMMARFORLANT prior to reaching a decision.
  - The MROC concurred that the NBC Defense Systems Program Manager would manage the consolidation effort and CSFs in the near-term. MCSC will coordinate with DC, I&L and MCLC to eventually transition any appropriate management responsibilities to MCLC.



# ALMAR

(24 NOV 03)



- **EFFECTIVE 24 NOV 2003, THE MARINE CORPS WILL CONSOLIDATE NBCDE FUNDING, ACQUISITION, AND MANAGEMENT UNDER THE PROGRAM MANAGER (PM) FOR NBCDE, MARCORSYSCOM.**
- **APPROVES CONSOLIDATING THE FUNDING, ACQUISITION, AND MANAGEMENT OF THE MARINE CORPS NBCD EQUIPMENT INVENTORY UNDER THE PROGRAM MANAGER FOR NBCD, MARCORSYSCOM.**
- **IDENTIFIES PLAN TO EMPLOY CONTRACTOR LOGISTICS SUPPORT (CLS) TO MANAGE UNIT INVENTORIES AT 12 CONSOLIDATED STORAGE FACILITIES (CSFs)**
- **IDENTIFIED THAT THIS MERGER OF FUNCTIONS BEST SUPPORTS EQUIPMENT READINESS, VISIBILITY OF ASSETS, UNIT RESPONSIVENESS, AND LEVEL FUNDING, WHILE ALLOWING UNITS TO FOCUS ON TRAINING AND OPERATIONAL REQUIREMENTS.**
- **DIRECTS PP&O AND PM NBCD TO PROVIDE A CAPSTONE BRIEF TO ALL MARFORS AND MEFs**
- **ANNOUNCES PM-NBCD WILL PUBLISH THE DETAILED PLAN FOR CONSTITUTION AND CONSOLIDATION WITHIN 60 DAYS OF THE ALMAR – NLT 23 JAN 04.**



# FACTS



- **CONSTITUTION & CONSOLIDATION BEGINS WITH EXISTING FUNDS & FACILITY/INFRASTRUCTURE CAPACITY.**
- **MILCON IS NOT REQUIRED TO BEGIN PROGRAM SUBJECT TO FACILITY ASSESSMENT.**
- **\$25M FROM FY03 SUPPLEMENTAL FUNDS**
- **A CLS CONTRACT WAS SIGNED WITH MCLB ALBANY PROVIDING CONTRACTING OFFICER.**
- **NO CHANGE IN FORCE STRUCTURE IS REQUIRED. CONSOLIDATION OF EQUIPMENT DOES NOT REDUCE OR INCREASE MANPOWER OR MISSION REQUIREMENTS.**
- **A POM 06 INITIATIVE HAS BEEN DEVELOPED TO SUPPORT THIS STRATEGIC LOGISTICS ASSET MANAGEMENT (SLAM) EFFORT.**



# STRATEGIC LOGISTICS ASSET MANAGEMENT



## SLAM BLOCK I

### PHASE I

October 2003 - July 2004

### PHASE II

February 2004 – July 2004

### PHASE III

February 2004 – 2007



# SLAM BLOCK I OVERVIEW



- **NBCDE MANAGEMENT, SUSTAINMENT, AND REPLACEMENT AUTHORITY TRANSFERRED TO PM.**
- **JOINT FACILITIES ASSESSMENT / UPGRADES COMPLETED ON ALL FACILITIES.**
- **CONTINGENCY NBCDE STOCKS FIRST PRIORITY.**
- **SERVICEABLE ORGANIC / NEW NBCDE DISTRIBUTED PER LOT, SHELF-LIFE & SIZES.**
- **NBCDE IS CONSOLIDATED IN LOCAL CSF (EXCEPT FOX VEHICLES, MEDICANTS, T/A, AND INDIVIDUALLY ISSUED FIELD PROTECTIVE MASKS).**



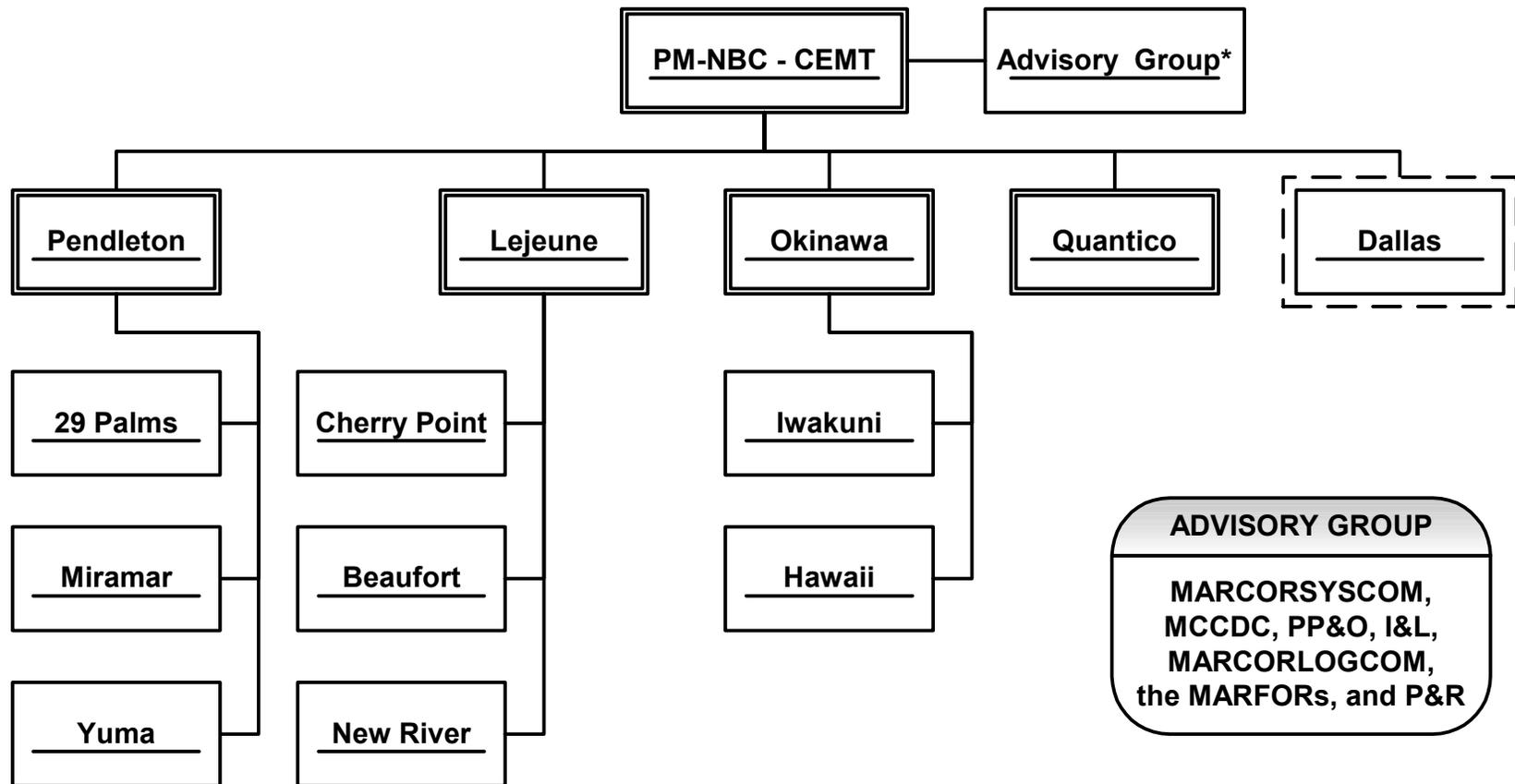
# SLAM BLOCK I OVERVIEW



- **NBCDE STOCKS ARE MARKED WITH AUTOMATED INFORMATION TECHNOLOGY (AIT) MEDIA, SCANNED AND ENTERED INTO EXISTING SYSTEMS AND, ULTIMATELY, GCSS-MC.**
- **TRAINING ALLOWANCE ISSUED TO UNITS.**
- **UNITS HAVE VISIBILITY OF “THEIR” ON-HAND NBCDE.**
- **MARFORS HAVE VISIBILITY OF WHAT’S ON-HAND, WHAT’S ON-ORDER, AND WHAT’S BEING FIELDDED.**
- **DEPLOYED UNITS PROVIDE NBCDE SUPPLY SUPPORT.**



# SLAM MANAGEMENT





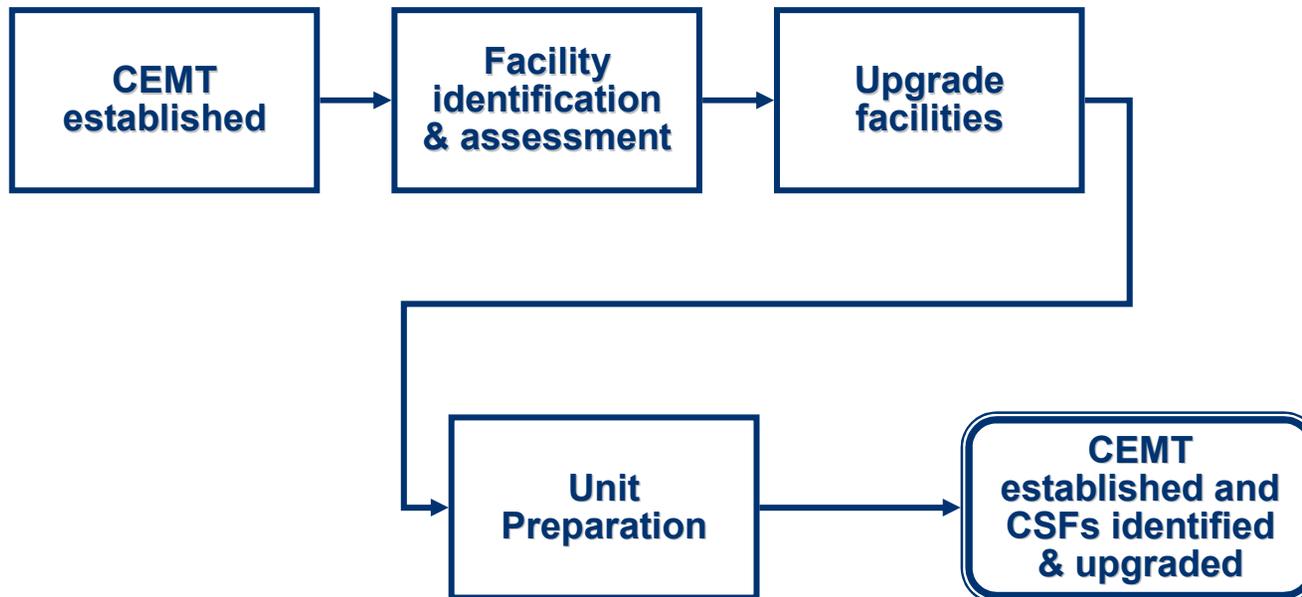
# CONOPS



- **CONSOLIDATION PHASES**
- **CSF LOCATIONS / REQUIREMENTS**
- **UNIT TURN-IN PROCEDURES**
- **REQUISITIONING PROCEDURES**
- **MAINTENANCE PROCEDURES**
- **UNIT MOUNT OUT PROCEDURES**
- **TRAINING ALLOWANCES (T/A) AND T/A PROCEDURES**
- **FIELD PROTECTIVE MASK PROCEDURES**
- **TAV AND REPORTING PROCEDURES**



# CONOPS PHASE I





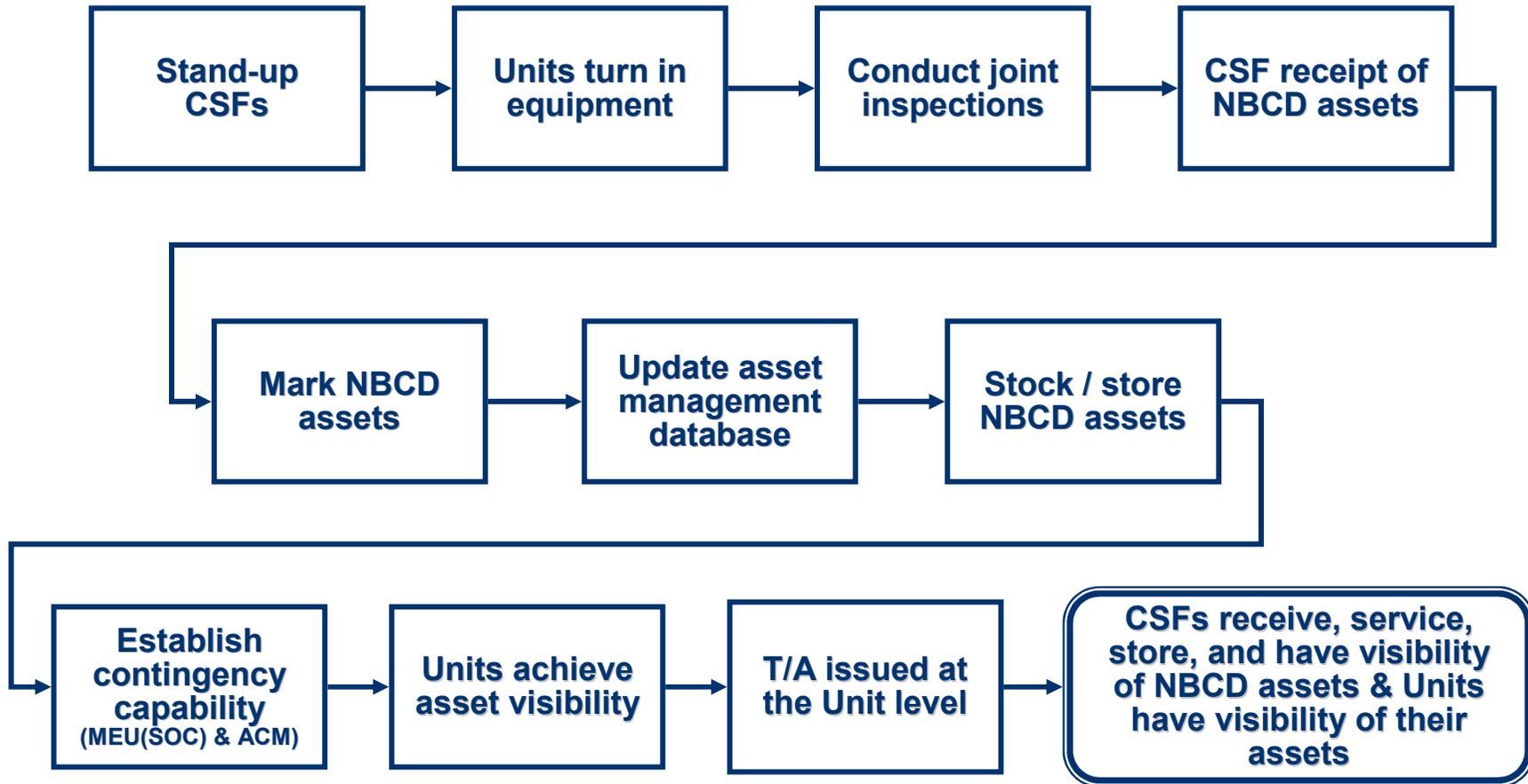
# CONOPS PHASE I



- **CONSOLIDATED NBCD EQUIPMENT MANAGEMENT TEAM IS ESTABLISHED.**
- **JOINT FACILITIES ASSESSMENT TEAM IDENTIFIES AND ASSESSES FACILITIES AT 12 DESIGNATED MARINE CORPS BASES AND STATIONS.**
- **CLS CONTRACTOR RESPONSIBLE FOR CONDUCTING FACILITY UPGRADES.**
- **UNITS PREP FOR TURN-IN OF NBCD ASSETS.**
- **PHASE I IS COMPLETE WHEN THE CEMT IS ESTABLISHED AND ALL CSFS ARE IDENTIFIED.**



# CONOPS PHASE II



NOTE: Contingency block is first priority



# CONOPS PHASE II



- **STAND-UP CSFS.**
- **UNIT TURN-IN OF NBCD ASSETS AS PRIORITIZED BY THE MARFORS.**
- **CONDUCT JOINT LIMITED TECHNICAL INSPECTIONS (LTIS) AND SERVICEABILITY INSPECTIONS.**
- **CONTRACTOR RECEIPT OF NBCD ASSETS IAW CURRENT SUPPLY AND MAINTENANCE ACCOUNTABILITY DIRECTIVES AND PROCEDURES.**
- **MARKING OF NBCD ASSETS WITH AUTOMATED INFORMATION TECHNOLOGY (AIT) MEDIA TO FACILITATE NBCD TOTAL ASSET VISIBILITY (TAV).**
- **UPLOADING OF NBCD ASSET DATA INTO A TAV DATABASE.**
- **WAREHOUSING OF ALL NBCD ASSETS.**
- **PRIORITY CONTINGENCY BLOCKS AVAILABLE (MEU(SOC) & ACM).**
- **UNIT VISIBILITY OF THEIR ASSETS.**
- **PHASE II IS COMPLETE WHEN ALL CSFS HAVE RECEIVED, SERVICED, STORED, AND HAVE TAV OF NBCD ASSETS AND UNITS HAVE VISIBILITY OF THEIR ASSETS**



# CONOPS PHASE III





# CONOPS PHASE III



- **T/A IS ISSUED AT THE UNIT LEVEL.**
- **CSFS RECEIPT FOR REPLACEMENT/REPLENISHMENT ASSETS AND ACQUISITION (FIELD) ASSETS IAW ESTABLISHED PRIORITIES.**
- **PHASE III CONSOLIDATION IS COMPLETE WHEN**
  - all the MARFORS and Marine Corps Bases and Stations under the CSF concept are consolidated and reconstituted
  - TAV is gained for all Marine Corps NBCD assets
  - all units have visibility of their assets
  - all CSFs are capable of conducting deliberate and contingency mount-outs for deploying MAGTFs
  - CEMT is capable of providing deployed supply support (MEU(SOC) and contingency MAGTFs).



# METRICS OVERVIEW



## •MARINE CORPS

- Readiness
- 57XX use (warehouse vice training unit)
- Inventory data integrity

## • CEMT

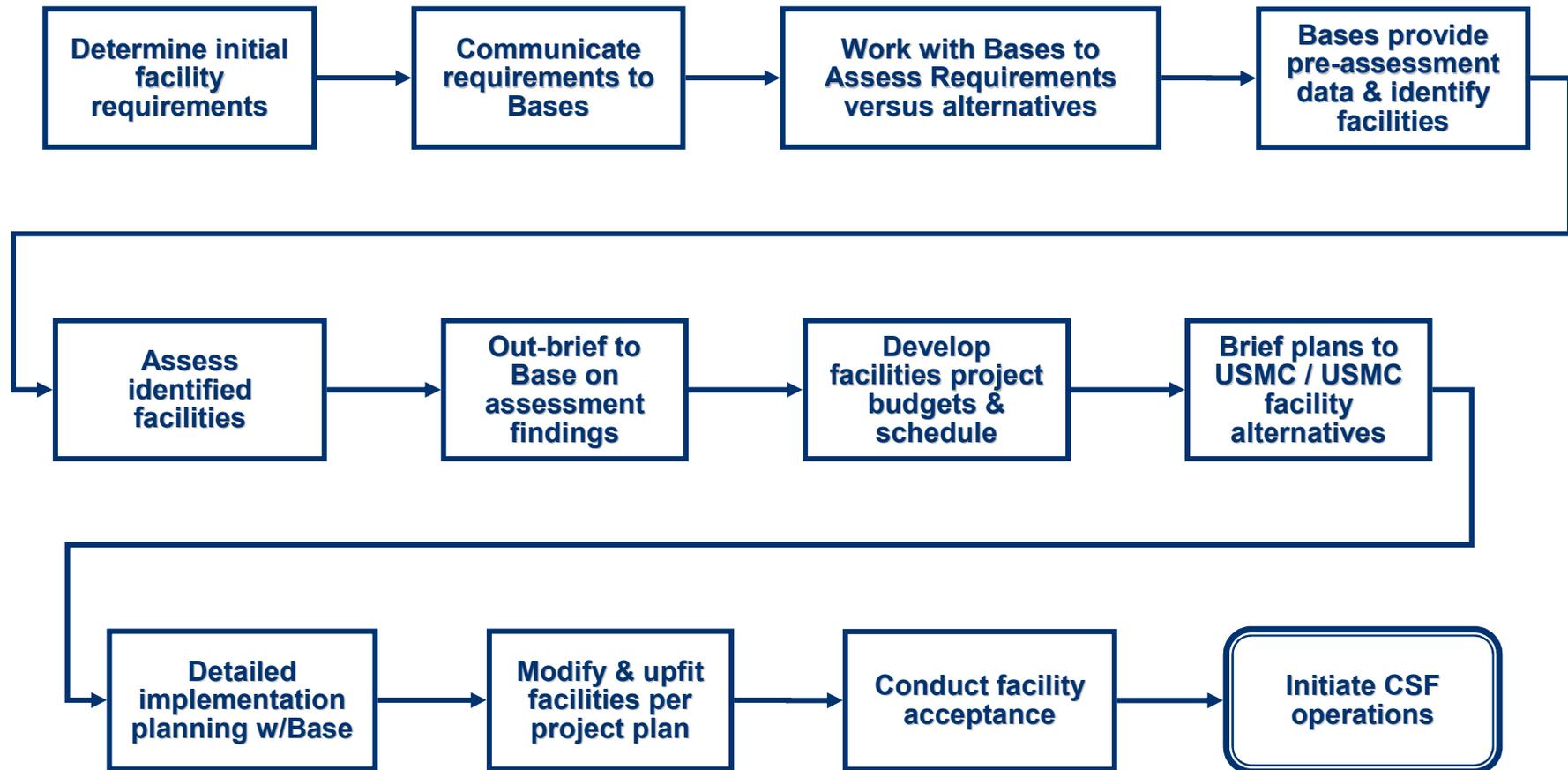
- Requisition age (Days)
- Total customer calls received/day
- Customer problem resolution time (Hrs)
- Customer Satisfaction (Survey)
- Accounts Payable (Days)
- Budget/Operating Costs (Program)

## •CSF

- Time to Mount-Out a BN
- % On Time Shipping
- Order Fill Rate
- % Incoming Receipt Accuracy
- Cycle Count accuracy %
- % Order Accuracy
- Order Cycle Time
- Total Quantity & % of Unit Rolled-Up T/E on hand
- % of NBCD in Maintenance/Calibration

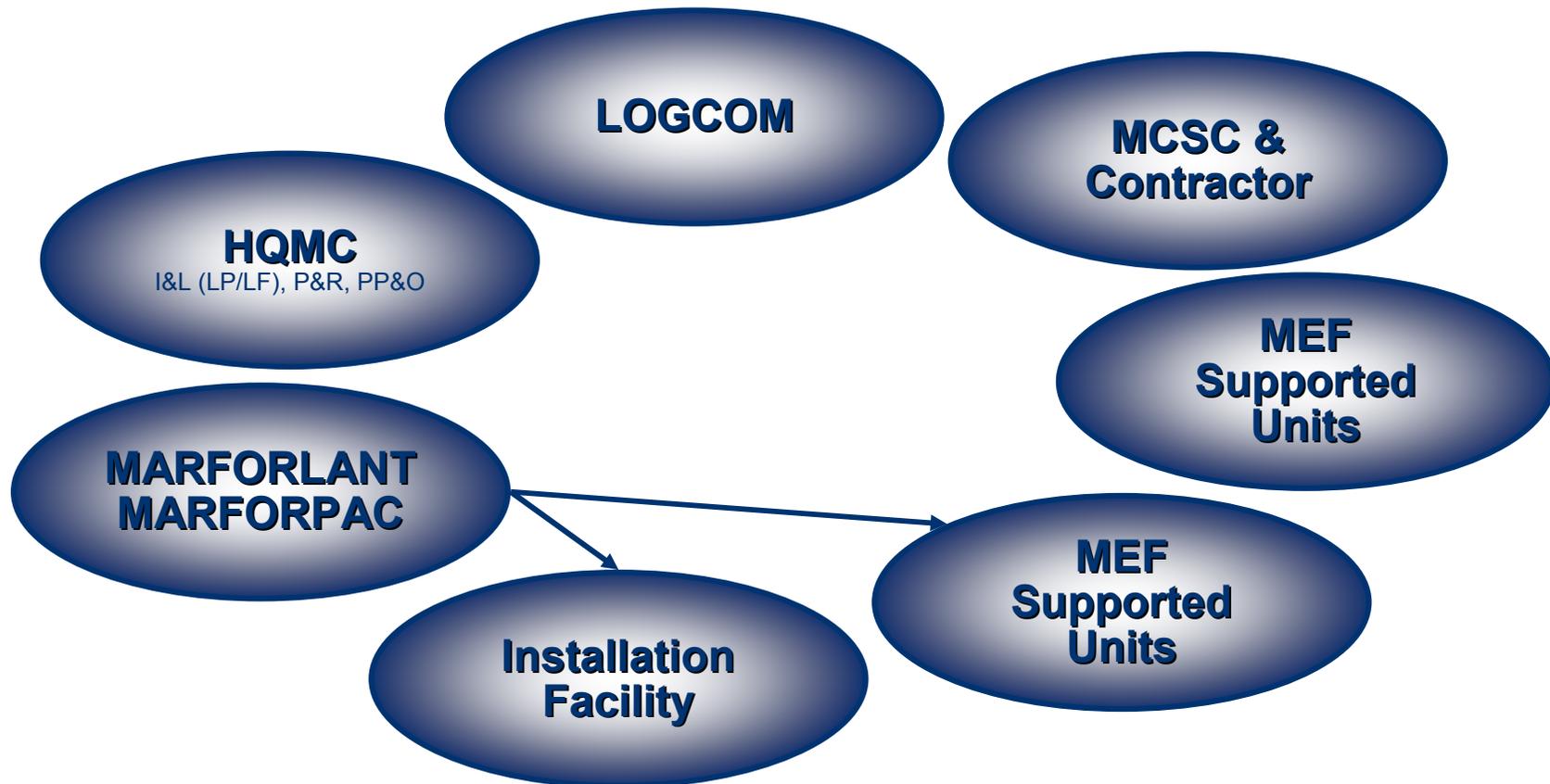


# FACILITY ASSESSMENT





# ASSESSMENT TEAM





# CSF LOCATIONS & SIZES



MEF	Site	Area Reqd (Sq. Ft) 3-High Storage (17 Feet Clearance)	Area Reqd (Sq. Ft) 2-High Storage (12 Feet Clearance)	Number of PALCONS
I MEF	Camp Pendleton	45,800	55,300	1573
	29 Palms	12,100	14,600	415
	MCAS Miramar	11,200	13,600	384
	MCAS YUMA	5,600	6,400	137
II MEF	Camp Lejeune	48,400	58,600	1531
	MCAS New River	8,300	9,400	250
	MCAS Cherry Point	10,500	12,700	417
	MCAS Beaufort	6,600	7,700	163
III MEF	Okinawa Japan	20,400	25,000	595
	Iwakuni Japan	5,900	6,800	105
	Kaneohe Bay, Hawaii	24,700	30,000	299
NCR	Quantico	8,000	9,600	424
<b>Total Network</b>		<b>207,500</b>	<b>249,700</b>	<b>6,293</b>
<b>Note:</b> The MARFORRES NBC Facility will be added to the CSF network during SLAM Block 2. PALCON Storage is outside / covered				



# PROPOSED ASSESSMENT DATES



## I MEF

- Pendleton 2-3 Dec
- Miramar 4-5 Dec
- 29 Palms 8-9 Dec
- Yuma 11-12 Dec

## III MEF

- Hawaii 15-16 Dec
- Iwakuni 19-20 Jan
- Okinawa 22-23 Jan

## II MEF

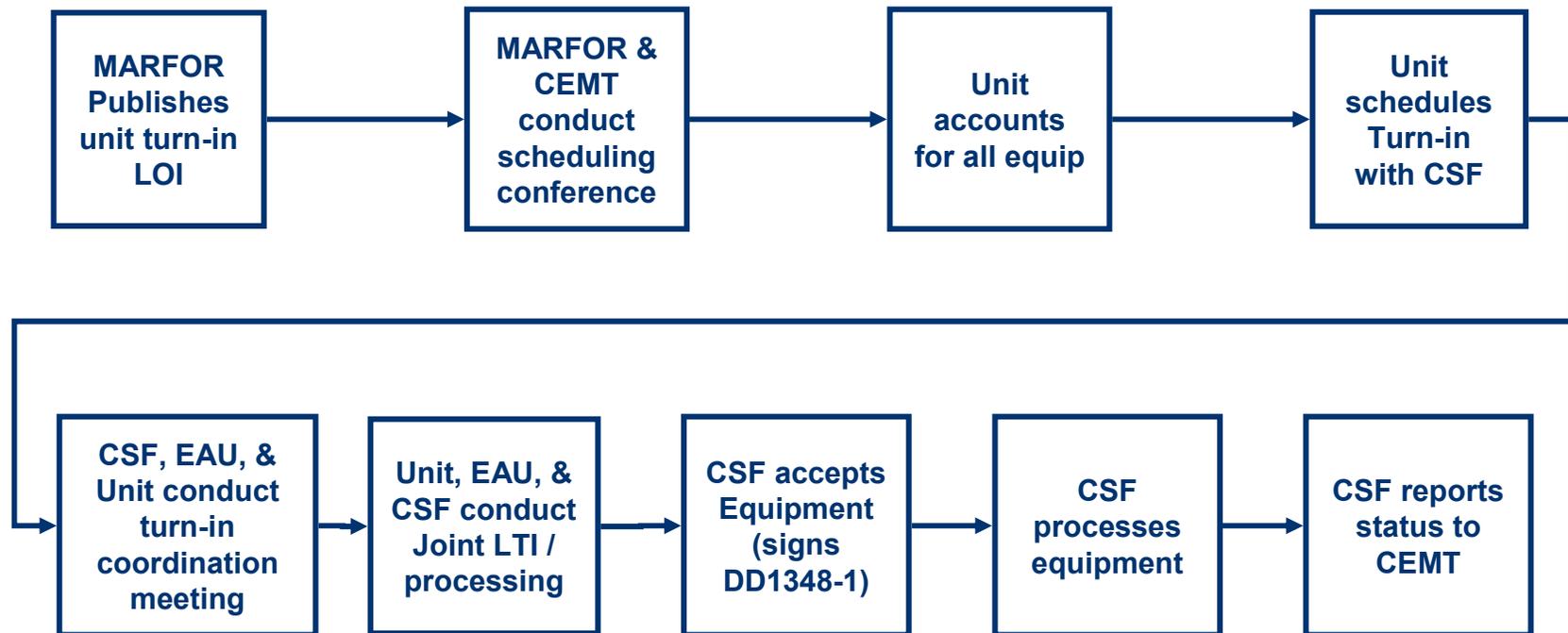
- Lejeune 5-6 Jan
- New River 7-8 Jan
- Cherry Point 12-13 Jan
- Beaufort 14-15 Jan

## OTHER

- Barstow 26 Jan
- Albany 28 Jan
- Quantico 29 Jan



# UNIT TURN-IN PROCEDURES



MCCDC/MARFOR provide unit training allowance guidance



# UNIT TURN-IN PROCEDURES

## Unit Request for Turn-In



- **MARFOR AND CEMT WILL CONDUCT A SCHEDULING CONFERENCE AND AUTHORIZE COORDINATION BETWEEN CSF AND UNIT**
- **SUPPLY OFFICER AND UNIT NBC OFFICER (NBCO) OR DESIGNATED REPRESENTATIVES WILL CONTACT THE CSF TO ESTABLISH A COORDINATION MEETING FOR EQUIPMENT TURN-IN.**
- **CSF WILL CONTACT THE EAU TO HAVE A REPRESENTATIVE PRESENT AT THE COORDINATION MEETING AND THE UNIT TURN-IN.**



# UNIT TURN-IN PROCEDURES

## Unit Turn-In



- **ON THE AGREED TIME/DATE, NBCO WILL DELIVER/STAGE NBC EQUIPMENT TO CSF**
- **OPERATIONAL NBC EQUIPMENT WILL BE SORTED SEPARATELY FROM TRAINING EQUIPMENT. OPERATIONAL AND TRAINING EQUIPMENT WILL BE SORTED BY NSN AND LOT NUMBER.**
- **UNIT WILL PROVIDE CSF REPRESENTATIVE WITH A COPY OF DD FORM 1348-1 FOR EACH NSN WITH THE FOLLOWING INFORMATION: NSN, UNIT OF ISSUE, QUANTITY, ITEM NAME, SIZE, SERIAL #, LOT/CONTRACT NUMBER, MANUFACTURE DATE**
- **NBCO AND CSF REPRESENTATIVE WILL CONDUCT A LIMITED TECHNICAL INSPECTION (LTI) AND PHYSICAL INVENTORY OF BOTH OPERATIONAL AND TRAINING NBC EQUIPMENT, BEGINNING WITH NON-IPE EQUIPMENT.**
- **CSF REPRESENTATIVE WILL VERIFY THE QUANTITY OF EACH NSN ON THE DD FORM 1348-1 AND NOTE DISCREPANCIES.**
- **SUPPLY OFFICER AND UNIT NBCO WILL HANDLE ALL DAMAGED/LOST NBC EQUIPMENT IN ACCORDANCE WITH USMC SUPPLY POLICY.**



# UNIT TURN-IN PROCEDURES



- **IPE ITEMS**

- Tracking data will be collected by the CSF to include the following: NSN, unit of issue, quantity, item name, size, lot/contract number, manufacture date
- CSF representative will sign and date the unit's original DD Form 1348-1, taking custody of the equipment with the corrected quantities from the unit.
- NBCO returns completed DD Form 1348-1 to unit supply officer to remove the equipment from the unit's official property records.

- **NON-IPE ITEMS**

- Tracking data will be collected by the CSF to include the following: NSN, unit of issue, quantity, item name, size and serial, lot/contract number, manufacture date, record jackets, calibration cards.
- CSF will reissue Non-IPE T/A to the unit during IPE turn-in.
- Unit NBCO will receive a completed DD Form 1348-1 and Training CMR for Non-IPE.
- The CSF Representative will ensure the unit representative has received the Non-IPE items, and has signed and dated the DD Form 1348-1.



# UNIT TURN-IN PROCEDURES

## CSF Procedures



- **SORTING UNSERVICEABLE IPE**

- EAU personnel will make the final determination if IPE is serviceable, including the protective mask.
- Only EAU staff can provide disposal instructions.

- **PROCESSING FOR STORAGE**

- Training IPE
  - *“TRAINING ONLY” will be marked on training IPE*
  - *NSN will be collected from training IPE.*
  - *IPE will be tagged with a CEMT-designated NSN/TAMCN and placed in designated storage*
- Operational IPE and Non-IPE
  - *Operational IPE required data collected: NSN, unit of Issue, quantity, Item name, size and serial #, lot/contract number, manufacture Date*
  - *Operational IPE repackaged and labeled with prescribed AIT media.*
  - *Non-IPE equipment requiring repair or calibration will be evacuated.*
  - *RADCON / HAZMAT will be handled IAW USMC and local procedures (SI-6665-15/P).*
- Storage Locations
  - *CSF will identify training NBC equipment from operational equipment in marked storage locations.*



# SORTS



- **Turning-In NBCDE**

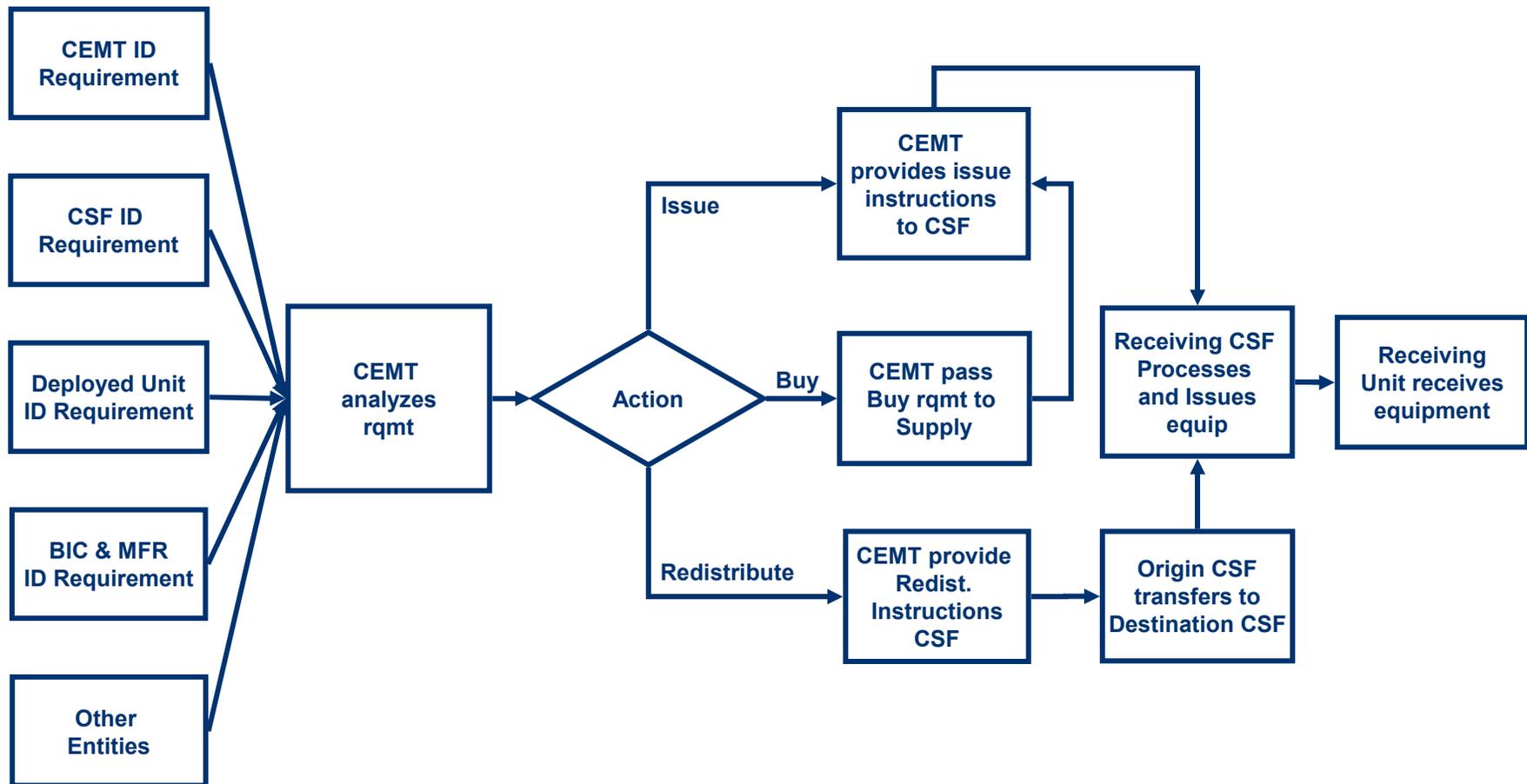
- MEFs / MSCs prioritize units for turn-in
- Units turn-in all NBCDE (except masks /FOX veh)
- Change report required within 24hours
- C-level change to C-5 due to turn-in of NBCD Equipment
- MEF / MSC may have units provide standard CBD remarks during this phase
- Remain in C-5 max 30 days

- **CSF Visibility**

- CSF continues with unit turn-ins and gains visibility of on-hand assets
- CSF spread loads on-hand data base inventory among units and notifies MEF/MSC/MSE
- CSF provides Unit dial-up NBCDE T/E visibility (T/A + stored assets)
- Units change C-Level equipment rating based on T/E assigned by CSF
- CSF completes unit turn-in for all tenants
- CSF, based on MEF priority, reassigns T/E to units based on CSF spread load or prioritized by MSC, etc.
- Change report may or may not be required



# REQUISITIONING PROCEDURES





# REQUISITIONING PROCEDURES

## General Policy



- **PM, NBCD SYSTEMS IS RESPONSIBLE FOR BUDGETING AND REQUISITIONING FOR THE PURCHASE OF NBCD EQUIPMENT.**
- **THE CONSOLIDATED EQUIPMENT MANAGEMENT TEAM (CEMT) OPERATIONS OFFICER IS RESPONSIBLE TO PM, NBCD FOR ENSURING THAT REPAIR PARTS AND MAINTENANCE RELATED SUPPLIES ARE REQUISITIONED WHEN REQUIRED, ACCOUNTED FOR, AND SAFEGUARDED.**
- **REQUIRED REPAIR PARTS AND EQUIPMENT SHORTAGES WILL BE PLACED ON REQUISITION AS SOON AS POSSIBLE AFTER THE REQUIREMENT IS IDENTIFIED.**
- **PM, NBCD WILL PROVIDE THE NECESSARY PUBLICATIONS AND TECHNICAL MANUALS TO RESEARCH ALL SUPPLY REQUISITIONS.**



# REQUISITIONING PROCEDURES



- **REQUISITIONING REPAIR AND MAINTENANCE RELATED SUPPLIES**
- **CSF/CEMT/BIC/MFR/DEPLOYED UNITS/OTHER ENTITIES IDENTIFIES REQUIREMENT THROUGH MAINTENANCE, EQUIPMENT SHORTFALLS, OR OPERATIONAL NEED.**
- **“CUSTOMER” PASSES THE REQUIREMENT TO THE CEMT.**
- **CEMT ANALYZES THE REQUIREMENT FOR SUPPORTABILITY**
  - COA - Redistribute from a CSF activity
    - *The CEMT provides redistribution instructions to the supporting CSF*
    - *The owning CSF ships the equipment to the local CSF using 1348-1 and adjusts property records.*
  - COA – Buy new equipment
    - *The CEMT completes and submits requisitions to Supply.*
    - *Supply enters the requisition.*



# REQUISITIONING PROCEDURES

## End Items (Items with TAM Number)



- **THE CEMT ANALYZES THE REQUEST TO DETERMINE COA**
- **COA - REDISTRIBUTE FROM A CSF ACTIVITY**
  - The CEMT provides redistribution instructions to the supporting CSF.
  - Upon receipt of CEMT redistribution instructions, the originating CSF ships the equipment to the destination CSF using a 1348-1 and adjusts property records.
- **COA - BUY**
  - The CEMT prepares a requisition and Supply enters the requisition into the supply system.
  - Upon receipt, the destination CSF receipts for item(s) using a 1348-1 and adjusts property records and stocks items the item for issue.



# REQUISITIONING PROCEDURES

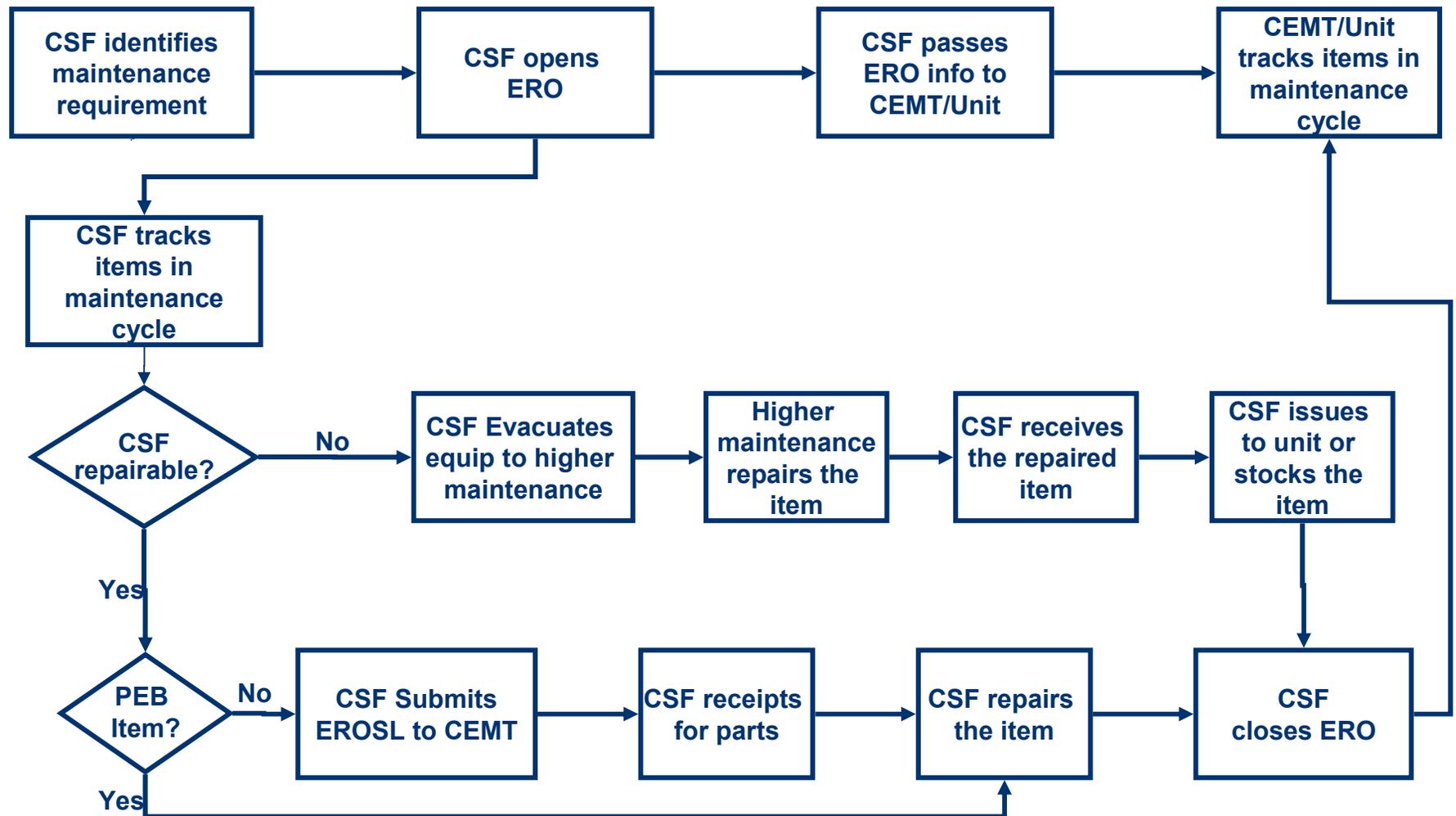
## End Items (Receipt for Items)



- **EQUIPMENT WILL BE SHIPPED COMPLETE TO THE CSF AND REPORTED TO THE CEMT UPON RECEIPT AND PROCESSING.**
- **CEMT TRACKS REQUISITIONS AND RECONCILES WITH SUPPLY.**
- **ONCE AN ITEM IS RECEIVED AT THE CSF, THE CSF WILL REPORT RECEIPT OF ITEMS TO THE CEMT: DOCUMENT NUMBER, NSN, QUANTITY, DATE RECEIVED, CONDITION RECEIVED, PERSON THAT PROCESSED THE ITEM**
- **THE CEMT WILL PREPARE A 1348-1 WITH THE ABOVE INFORMATION AND PLACE IN THE COMPLETED DOCUMENT FILE.**



# MAINTENANCE PROCEDURES





# MAINTENANCE PROCEDURES

## Equipment Maintenance



- **A MAINTENANCE REQUIREMENT MAY BE IDENTIFIED AT ANY TIME DURING THE COURSE OF A TURN-IN LIMITED TECHNICAL INSPECTION, SCHEDULED PREVENTATIVE MAINTENANCE CHECKS AND SERVICES (PMCS), OR ROUTINE INSPECTION OF THE EQUIPMENT KEPT ON HAND AT THE CSF.**
- **WHEN A MAINTENANCE REQUIREMENT IS IDENTIFIED THE CSF WILL:**
  - Prepare an Equipment Repair Order (ERO) per TM-4700-15/1 from ERO Matrix supplied by the CEMT Maintenance Section.
  - The CSF passes the ERO information to the Consolidated NBC Equipment Management Team (CEMT) to allow asset visibility at all levels.



# MAINTENANCE PROCEDURES

## Organizational Level Maintenance



- **UPON OPENING OF THE ERO, THE EQUIPMENT AND EQUIPMENT RECORDS ARE DELIVERED TO THE CSF REPRESENTATIVE.**
- **THE CSF REPRESENTATIVE WILL ASSIGN AN ERO NUMBER TO THE ERO, INDUCT THE INFORMATION FROM THE ERO INTO THE FIELD MAINTENANCE SUB-SYSTEM (FMSS), ALSO KNOWN AS MIMMS, AND FILE THE REMAINING COPIES OF THE ERO.**
- **THE CSF WILL DETERMINE THE MAINTENANCE ACTIONS REQUIRED. USING THE MAINTENANCE ALLOCATION CHART IN THE EQUIPMENT TECHNICAL MANUAL (TM), THE CSF WILL DETERMINE IF THE REPAIRS ARE WITHIN THE CSF'S AUTHORIZED LEVEL OF MAINTENANCE.**
- **THE CSF WILL DETERMINE THE MAINTENANCE RESOURCES REQUIRED. THE CSF, SUPPORTED BY FMSS, WILL ACCOMPLISH THE FOLLOWING:**
  - The CSF will submit the ERO, when the equipment's status changes, for induction into the FMSS and file the remaining copies of the ERO.
  - The CSF will prepare and submit an Equipment Repair Order Shopping/Transaction List (EROSL), (Form NAVMC 10925) per TM-4700-15-1 when parts are required. If the parts required are included in the CSF's PEB, the use of the PEB repair parts is noted on the ERO, and the EROSL is updated with a Scrounge Code (SC).
  - The CSF will submit the completed EROSL to the CEMT for supply support.



# MAINTENANCE PROCEDURES

## Organizational Level Maintenance



- **THE CSF WILL COMPARE THE ERO AND EROSL TO THE DAILY TRANSACTION LIST (DTL) TO ENSURE THAT STATUS CHANGES AND REQUIRED PARTS POST TO FMSS.**
- **THE CSF WILL DETERMINE IF THE EQUIPMENT IS READY TO RETURN TO STORAGE**
  - If the equipment is ready for return to storage, change the job status, confirm that the job status has changed on the DTL, and return the equipment to the storage area.
  - If the equipment requires further maintenance, change the job status, confirm that the job status has changed on the DTL, and return the equipment to the storage area.
- **WHEN THE REPAIRS ARE COMPLETE, THE ERO WILL BE CLOSED PER TM-4700-15/1 AND THE EQUIPMENT WILL BE RETURNED TO THE STORAGE AREA.**



# MAINTENANCE PROCEDURES

## Evacuation for Maintenance



- **WHEN THE CSF DETERMINES THAT THE MAINTENANCE IS ABOVE THEIR AUTHORIZED LEVEL, THE CSF WILL:**
- **COMPLETE ALL AUTHORIZED MAINTENANCE**
- **EVACUATE THE EQUIPMENT TO THE APPROPRIATE FACILITY AS DIRECTED BY CEMT**
- **UPON COMPLETION HIGHER LEVEL MAINTENANCE THE CSF:**
  - Inspect the equipment
  - Review the ERO to ensure it is properly completed
  - Notifies higher level maintenance of discrepancies.
  - Update the equipment records per TM-4700-15/1.
  - Return the item to the proper storage location.



# MAINTENANCE PROCEDURES

## Equipment Calibration



- **ENTER A CALIBRATION REQUEST**
  - CSF prepares an ERO per TM-4700-15/1.
  - The CSF passes the ERO information to the Consolidated NBC Equipment Management Team (CEMT) to allow asset visibility at all levels.
- **THE CSF WILL COMPLETE ALL MAINTENANCE AUTHORIZED**
- **EVACUATION TO HIGHER LEVEL MAINTENANCE - WHEN THE CSF DETERMINES THAT CALIBRATION IS REQUIRED, THE CSF WILL SEND THE EQUIPMENT TO ITS ASSIGNED CALIBRATION SITE ACCORDING TO THE PROCEDURES FOR EVACUATION.**



# MAINTENANCE PROCEDURES Modification Instruction



- **ON RECEIPT OF A MODIFICATION INSTRUCTION (MI), WHICH REQUIRES PHYSICAL MODIFICATION OF THE EQUIPMENT, THE CSF PREPARES AN ERO PER TM-4700-15/1.**
- **THE CSF PASSES THE ERO INFORMATION TO THE CONSOLIDATED NBC EQUIPMENT MANAGEMENT TEAM (CEMT) TO ALLOW ASSET VISIBILITY AT ALL LEVELS.**
- **THE CSF WILL COMPLETE MODIFICATION INSTRUCTIONS IN ACCORDANCE WITH ITS AUTHORIZED MAINTENANCE LEVEL**
- **MODIFICATIONS ABOVE THE CSF'S AUTHORIZED LEVEL WILL BE EVACUATED TO HIGHER MAINTENANCE.**



# MAINTENANCE PROCEDURES

## Technical Instruction



- **CSF WILL ALSO RECEIVE TECHNICAL INSTRUCTIONS (TI), WHICH REQUIRE A CHANGE IN THE USE, STORAGE OR REPAIR PROCEDURES FOR A PIECE OF EQUIPMENT.**
- **THE CSF WILL IMPLEMENT CHANGES IN STORAGE PROCEDURES WITHIN 7 DAYS OF RECEIPT OF THE TI. IF REQUIRED, NEW STORAGE EQUIPMENT WILL BE PROCURED THROUGH THE CEMT.**
- **COPIES OF THE TI FOR CHANGES IN EQUIPMENT USAGE WILL BE PROVIDED TO UNIT NBC (NUCLEAR, BIOLOGICAL & CHEMICAL) OFFICER WHEN THE EQUIPMENT IS DRAWN.**
- **TI REGARDING REPAIR PROCEDURES WILL BE ATTACHED TO THE APPROPRIATE TM.**



# MAINTENANCE PROCEDURES

## Radiological Equipment



- **RADIOLOGICAL EQUIPMENT REQUIRES THE PERIODIC PERFORMANCE OF WIPE TESTS TO DETERMINE IF RADIATION OR RADIOACTIVE MATERIAL IS ESCAPING THE PROTECTIVE CASE.**
- **THE PERFORMANCE OF THE WIPE TEST WILL BE CONDUCTED PER SI-6665-15/B, CONTROL PROCEDURES FOR SPECIFIC EQUIPMENT CONTAINING RADIOACTIVE MATERIAL.**
- **TRACK THE WIPE TEST RESULT. IF THE RESULTS OF THE WIPE TEST SHOW AN UNSERVICEABLE CONDITION, CONTACT THE HIGHER LEVEL MAINTENANCE FACILITY FOR DISPOSITION INSTRUCTIONS.**
- **UPDATE THE ERO FOR THE ITEM TO REFLECT THE RESULTS OF THE MAINTENANCE.**



# MAINTENANCE PROCEDURES

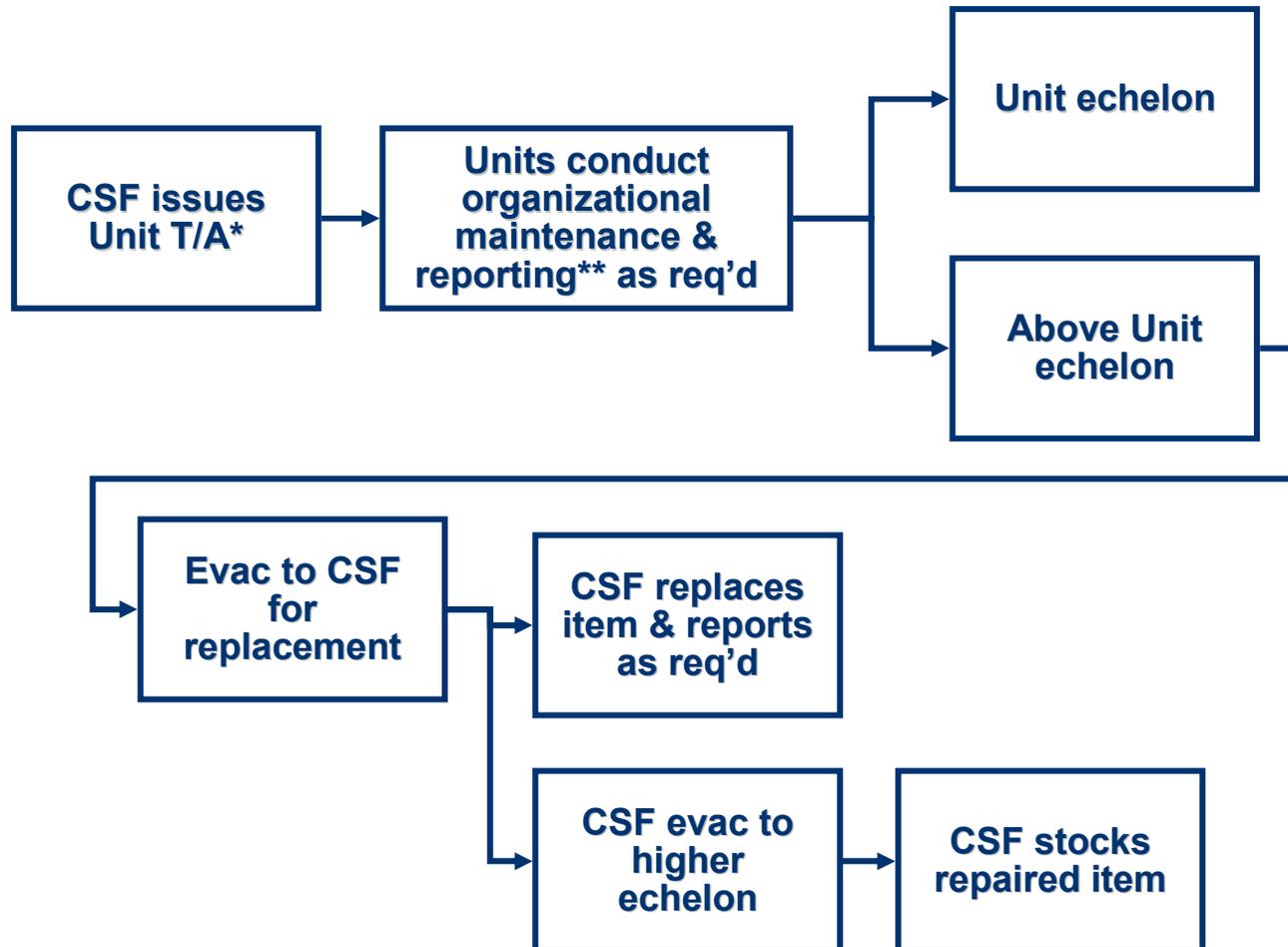
## Shelf Life



- CSF'S WILL PERFORM CYCLIC INSPECTIONS OF ITEMS IN ACCORDANCE WITH TI10010-20/5B.
- RECORDS OF THE CYCLIC INSPECTIONS WILL BE KEPT PER TM 4700-15/1.
- CSF'S WILL ESTABLISH A STOCK ROTATION PLAN WHICH PROMOTES THE MOST EFFECTIVE USE OF EQUIPMENT.
- AN ANNUAL SCHEDULE OF EQUIPMENT WITH DATES UPON WHICH THE EQUIPMENT WILL BE ROTATED WILL BE PUBLISHED BY THE CEMT AND PROVIDED TO EACH CSF
- CSF WILL REQUEST DISPOSITION INSTRUCTIONS FOR THOSE ITEMS WHOSE SHELF LIFE HAVE EXPIRED
- THE EAP WILL CONDUCT SURVEILLANCE IN ACCORDANCE WITH MCO 4790 \_\_\_\_\_



# TRAINING ALLOWANCE PROCEDURES



\* T/A = combat stocks + unserviceable IPE  
\*\* Radiological / MARES



# TRAINING ALLOWANCES T/A AND PROCEDURES



- **UNITS WILL BE ISSUED A (MCCDC/MARFOR-COORDINATED) T/A SUBSEQUENT TO UNIT TURN-IN OF NBCD ASSETS**
- **T/A COMPOSED OF COMBAT STOCKS, TRAINING STOCKS (UN-SERVICEABLE IPE), AND ASSOCIATED PEB**
- **UNITS RESPONSIBLE FOR ORGANIZATIONAL MAINTENANCE AND RADIOLOGICAL REPORTING OF THEIR T/A**
- **MARES REPORTING ACCOMPLISHED BY CSF**
- **REPLACE VICE REPAIR: MAINTENANCE ABOVE UNIT CAPABILITY, ITEM WILL BE TURNED INTO CSF FOR A REPLACEMENT, CSF EVACS FOR REPAIR / RETURN STORAGE**
- **T/A (MINUS IPE) IS PART OF UNIT T/E FOR DEPLOYMENT, DELTA OF T/E PROVIDED BY CSF**
- **TAV FOR UNIT SORTS WILL INCLUDE UNIT T/A PLUS CSF STORAGE ALLOCATION BASED ON MARFOR PRIORITY**



# PROPOSED TRAINING ALLOWANCE (1 of 4)



TAMCN	Nomenclature	Unit of Issue for Training
A16307	Radiac Set, AN/PDR-56E	0
A16307	Radiac Set, AN/PDR-56G	0
A16307	Radiac Set, AN/PDR-56H	0
B12917	Decon System, Lightwt, M17A1/A3	2 per Bn
B2130	Bladder, 3000 gal	2 per Bn
C20102	Apron, Toxicological Agents, Protective	8 per Bn
C20202	Bag, Waterproof, Protective Mask, M1/M1A1	0
C20327	Chem. Agent Monitor	2 per Bn
C2070	Decon Agent, STB, 50 lb. Drum	0
C20752	Kit, Decon Skin, M291	0

Note: Trng quantities apply to active duty MARFORs. MARFORRES will be handled differently.

\*\* Marines will eventually be issued 1 set of training IPE when stocks are available. For the interim, Training IPE will be issued at the unit level.



# PROPOSED TRAINING ALLOWANCE (2 of 4)



TAMCN	Nomenclature	Unit of Issue for Training
C20802	Decon App., Portable, DS, ABC-M11	0
C20832	Sorbent Decon System	10% of T/E
C21012	Detector Kit, Chem. Agent, M256/M256A1	0
C2105	Detector, Radiac, DT-236/PDR-75	1 per Bn
C21082	Automatic Chem. Agent Detector	1 per Bn
C21102	Paper Chemical Agent Detector, M9A1	10% of T/E
C21302	Footwear, Cover, Chem. Prot. (Fishtails)	**
C2132	Multi-Purpose Over boot (MULO)	**
C21502	Gloves, Set, Chemical Protective	**

Note: Trng quantities apply to active duty MARFORs. MARFORRES will be handled differently.

\*\* Marines will eventually be issued 1 set of training IPE when stocks are available. For the interim, Training IPE will be issued at the unit level.



# PROPOSED TRAINING ALLOWANCE (3 of 4)



TAMCN	Nomenclature	Unit of Issue for Training
C21702	Hood, Mask, CBR, for Mask, M40	1 per Marine
C23002	Saratoga Protective Suit	**
C23052	Coat Desert . Suit Tech (JSLIST)	**
C23062	Trouser, Desert, Suit Tech (JSLIST)	**
C23072	Coat, Woodland, Suit Tech (JSLIST)	**
C23082	Trouser, Woodland, Suit Tech (JSLIST)	**
C23752	Test Kit, Water, Chemical Agents	0
C52652	Mask, CB Protective, Field, M40/ M40A1	1 per Marine
	Voice Comm Adapter	100% of T/E
C58252	Remote Sensing Chem. Agent Alarm M21	1 per MSC

Note: Trng quantities apply to active duty MARFORs. MARFORRES will be handled differently.

\*\* Marines will eventually be issued 1 set of training IPE when stocks are available. For the interim, Training IPE will be issued at the unit level.



# PROPOSED TRAINING ALLOWANCE (4 of 4)



TAMCN	Nomenclature	Unit of Issue for Training
H2230	Computer Indicator, Radiac, CP-696/PDR-75	1 per Bn
H2230	Dosimetry System, Individual, AN/PDR-75	1 per Bn
H23652	Radiac Set, AN/VDR-2	2 per Bn
H23692	Radiac Detector Charger, PP4276/PD	1 per Bn
H23722	Radiac Meter, IM-143/PD	1 per Bn
K4685	M8 Paper	1 Box
K4815	Siren	1 per Bn
K5017	M41 PATS	100% of T/E
xxxx	Second Skin	1 per Marine
xxxx	C2 Can	1 per Marine

Note: Trng quantities apply to active duty MARFORs. MARFORRES will be handled differently.

\*\* Marines will eventually be issued 1 set of training IPE when stocks are available. For the interim, Training IPE will be issued at the unit level.



# FIELD PROTECTIVE MASKS



## CURRENTLY EVALUATING 3 COAS BASED ON NBCD CWO IPT 4-6 NOV 03

- COA 1
  - *All issue / recovery of masks remains at the using unit level. Unit maintains operating stocks checked out from CSF which maintains bulk storage of masks.*
  - *-Unit manning level (individually issued masks) – T/O level (full unit mask T/E) = Bulk stored masks – “operating stocks” held by 5700 at unit level for immediate issue.*
- COA2
  - *Mask issue / recovery / maintenance operations are consolidated at base / station level and managed by 5700 personnel.*
  - *NBCD Platoons would provide manpower at major bases.*
  - *Smaller bases / stations would require 5700 temp assignment to issue / recover masks making personnel unavailable to their units.*
  - *Requires additional facility space*
- COA 3
  - *CSF Contractor performs all functions from CSF, except for operator maintenance, associated with issue / recovery / maintenance. Contractor will provide cost estimate for conducting services.*



# MAINTENANCE PROCEDURES

## Training Allowance - IPE



- **UNITS MAY TURN IN DAMAGED T/A IPE FOR EXCHANGE. THE UNIT MUST PROVIDE A COMPLETED DD FORM 1348-1 AS A RECEIPT OF THE TURN IN.**
- **THE CSF WILL ACCEPT THE UNSERVICEABLE GEAR AND SIGN THE UNIT DD FORM 1348-1. THE CSF WILL THEN ISSUE SERVICEABLE T/A.**
- **THE CSF WILL ISSUE A NEW DD FORM 1348-1 AS A RECEIPT FOR THE ISSUE OF THE REPLACEMENT IPE.**
- **CSF WILL REQUEST INSTRUCTIONS FOR DISPOSAL, AS REQUIRED**
- **IF REPLACEMENT IPE IS NOT AVAILABLE, THE CSF WILL ACCEPT THE UNIT TURN IN, AND CONTACT THE CEMT FOR RE-SUPPLY. THE CSF IS RESPONSIBLE FOR CONTACTING THE UNIT TO REISSUE THE EQUIPMENT.**



# MAINTENANCE PROCEDURES

## Training Allowance – Non-IPE



- **UNITS MAY TURN IN DAMAGED T/A (ABOVE THEIR ECHELON OF MAINTENANCE) NON-IPE FOR EXCHANGE. THE UNIT MUST PROVIDE A COMPLETED DD FORM 1348-1 AND ASSOCIATED RECORD JACKET WITH APPROPRIATE SERIAL NUMBER, NSN, AND LOT NUMBER AT THE TIME OF THE TURN IN.**
- **THE CSF WILL ACCEPT THE UNSERVICEABLE NON-IPE, AND CONFIRM THE EQUIPMENT SERIAL NUMBER ON THE DD FORM 1348-1 MATCHES THAT ON THE EQUIPMENT. THE CSF WILL THEN SIGN THE UNIT DD FORM 1348-1.**
- **THE CSF WILL PREPARE A DD FORM 1348-1 FOR ISSUE OF THE REPLACEMENT NON-IPE, ENSURING THE NSN, SERIAL NUMBER AND LOT NUMBER OF THE REPLACEMENT EQUIPMENT IS INCLUDED.**
- **THE CSF WILL THEN FOLLOW THE PROCEDURES FOR ORGANIZATIONAL MAINTENANCE AND EQUIPMENT EVACUATION ABOVE.**
- **IF REPLACEMENT NON-IPE IS NOT AVAILABLE, THE CSF WILL ACCEPT THE UNIT TURN IN AND EVACUATE ITEM TO HIGHER LEVEL MAINTENANCE. THE CSF IS RESPONSIBLE FOR CONTACTING THE UNIT TO REISSUE THE EQUIPMENT.**



# MAINTENANCE PROCEDURES

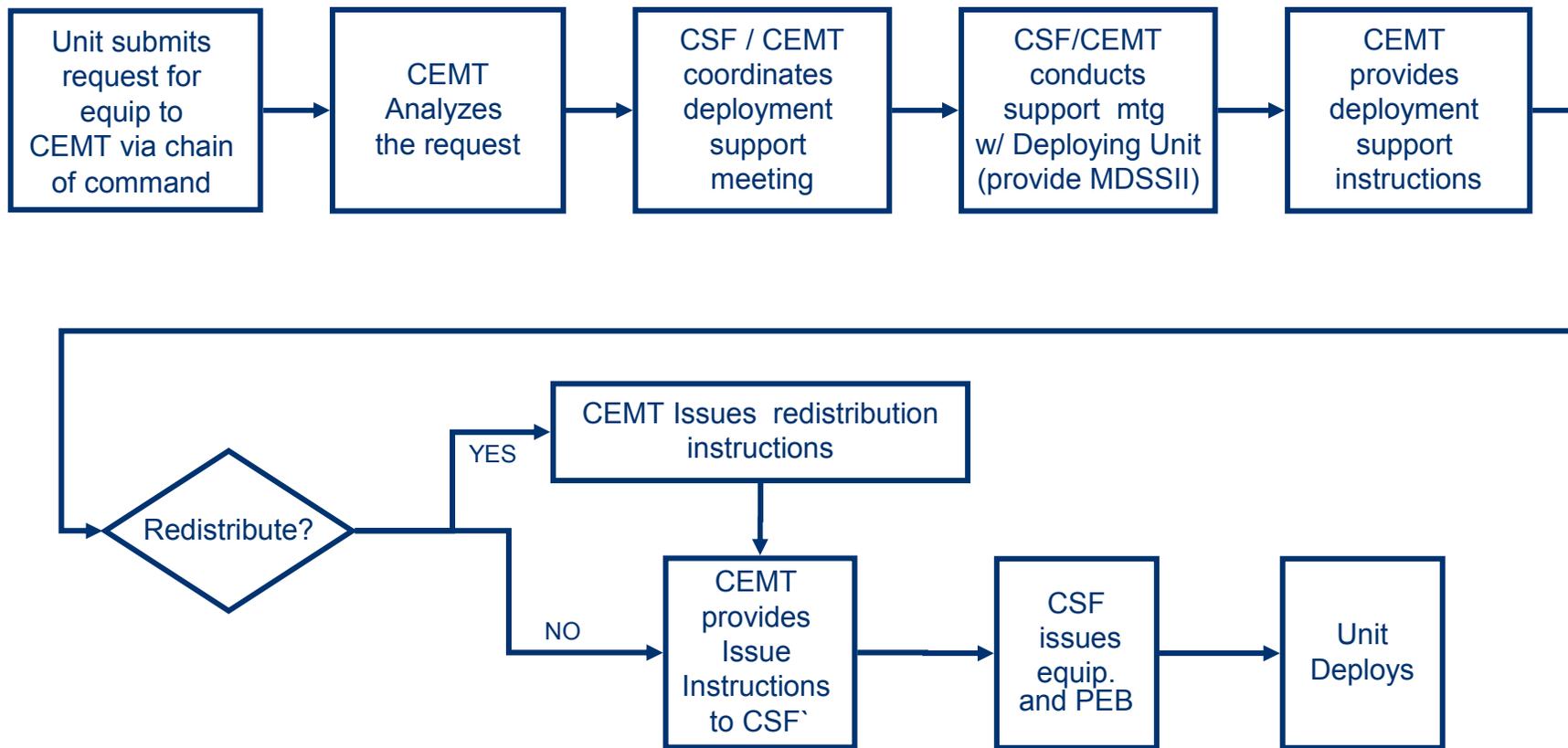
## CSF Stocking Responsibilities



- **THE CSF SHALL KEEP IN STOCK ALL ITEMS NECESSARY TO CLEAN AND SANITIZE PROTECTIVE MASKS AND OTHER IPE. THESE CLEANING ITEMS INCLUDE, BUT ARE NOT RESTRICTED TO:**
  - Stiff-Bristle Brush
  - Non-Abrasive Soap
  - Paper Towels
  - Rags
  - Alcohol Wipes
- **PEB**

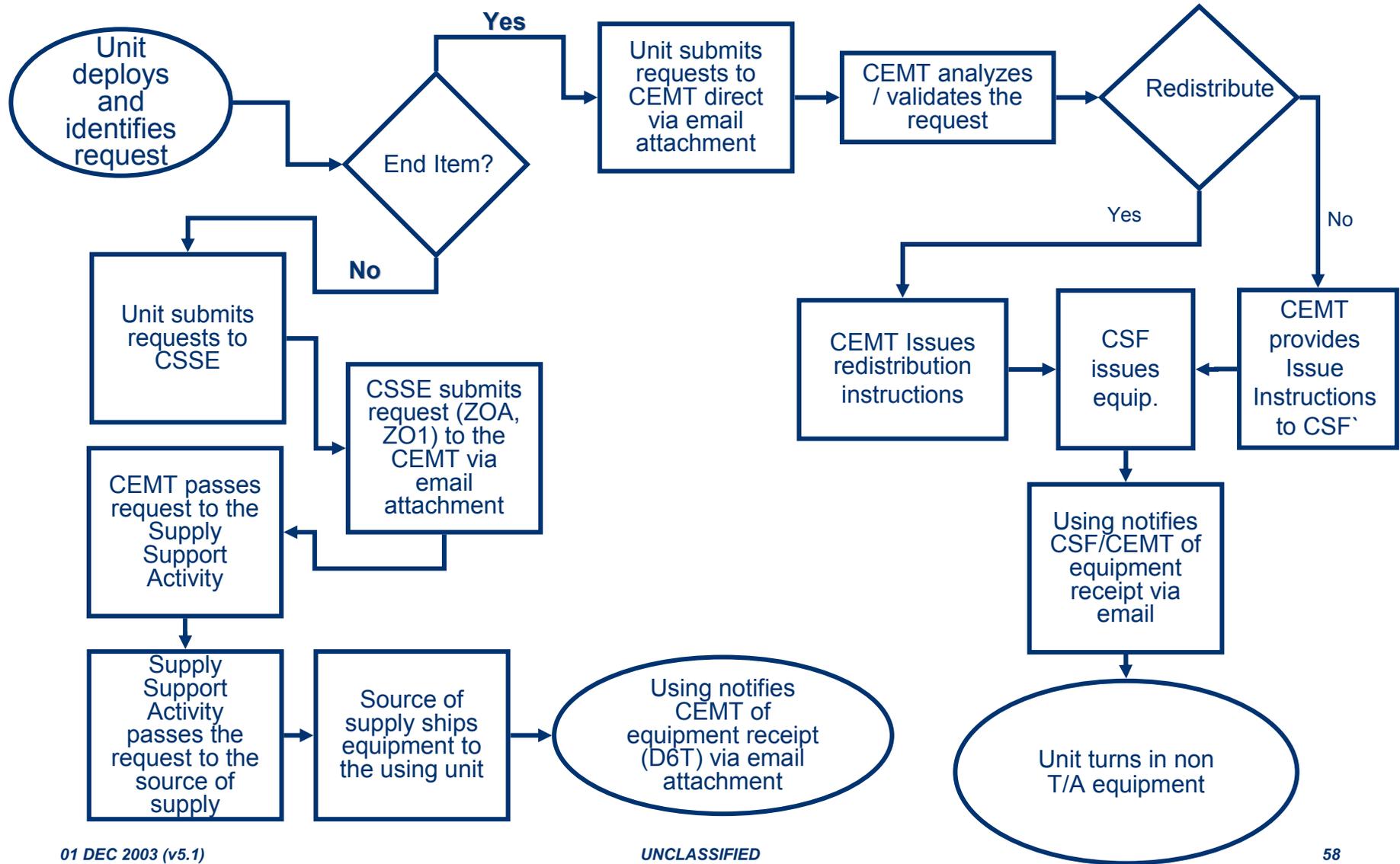


# UNIT MOUNT-OUT ISSUE PROCEDURES





# MOUNT-OUT SUPPORT PROCEDURES





# FIELD PROTECTIVE MASKS STORAGE & MAINTENANCE



- INDIVIDUALLY ISSUED FPMS REMAIN STATUS QUO (INVENTORY DATA PROVIDED TO CSF DURING UNIT TURN-IN).
- UNIT 5711'S REMAIN RESPONSIBLE FOR RECEIVING, SIZING, ISSUING AND MAINTAINING FPMS ISSUE TO INDIVIDUALS AND HOLDING A T/A OPERATING STOCK AT THE UNIT LEVEL.
- UNIT 5711'S MASK ISSUE PROCESS INCLUDES QUANTITATIVE FIT TEST.
- UNIT 5711'S WILL MAINTAIN SPECIALIZED TEST EQUIP / TOOLS TO CONDUCT FIT TEST, SERVICEABILITY TESTING, AND PREVENTIVE MAINTENANCE.
- UNIT 5711'S CONDUCT ORGANIZATIONAL MAINTENANCE ON MASKS.
- FPM REPAIR PARTS MAINTAINED BY UNIT / REPLENISHED BY CSF.
- CSFS WILL MANAGE FPM BULK INVENTORIES AND SL-3 COMPONENTS.
- CSFS WILL PERFORM SERVICEABILITY INSPECTION UPON TURN-IN AND PERFORM INDUSTRIAL SANITIZATION ON EACH MASK PRIOR TO PLACING IN BULK STORAGE.
- CSFS WILL STOCK AND ISSUE FPM PARTS TO THE UNITS.
- NBCD EAP WILL DETERMINE MASK UN-SERVICIBILITY/PROVIDE DRMO INSTRUCTIONS.



# TAV AND REPORTING



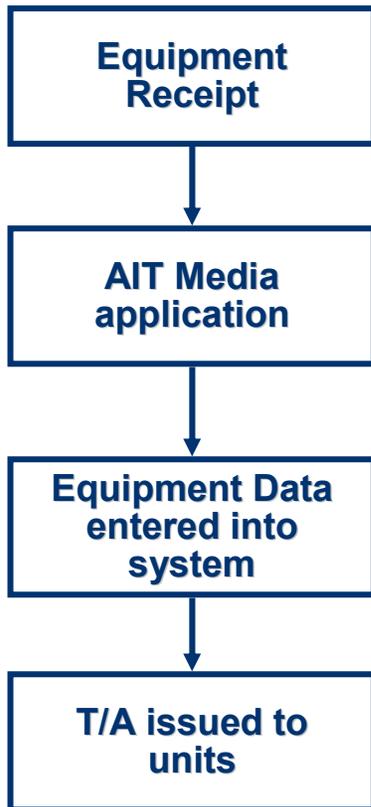
- **A KEY COMPONENT OF THE NBCD EQUIPMENT CONSOLIDATION EFFORT IS THE SET OF ILC OPERATIONAL ARCHITECTURE (OA) COMPLIANT DATA TOOLS THAT PROVIDE ASSET VISIBILITY OF ALL NBCD EQUIPMENT ITEMS**
- **THE CAPABILITIES PROVIDED TO THE OPERATIONAL FORCE COMMANDERS INCLUDE:**
  - Asset visibility at all levels of NBCD equipment rated under unit Tables of Equipment T/E
  - Web-based reporting access to equipment data whether in-garrison or deployed
  - Chemical Biological and Radiological (CBR) equipment readiness as it relates to Status of Resources and Training System (SORTS) reporting requirements



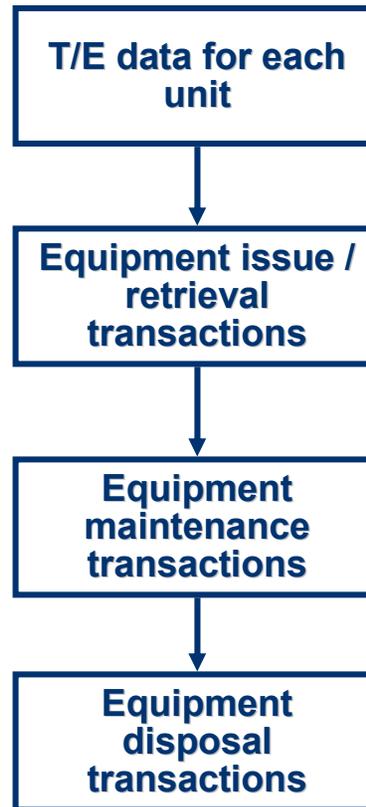
# TAV AND REPORTING Equipment Consolidation Data



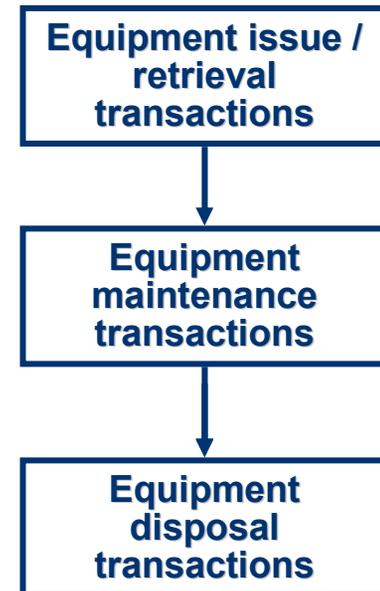
## Legacy / New Equipment Turn-In



## CSF Equipment Management

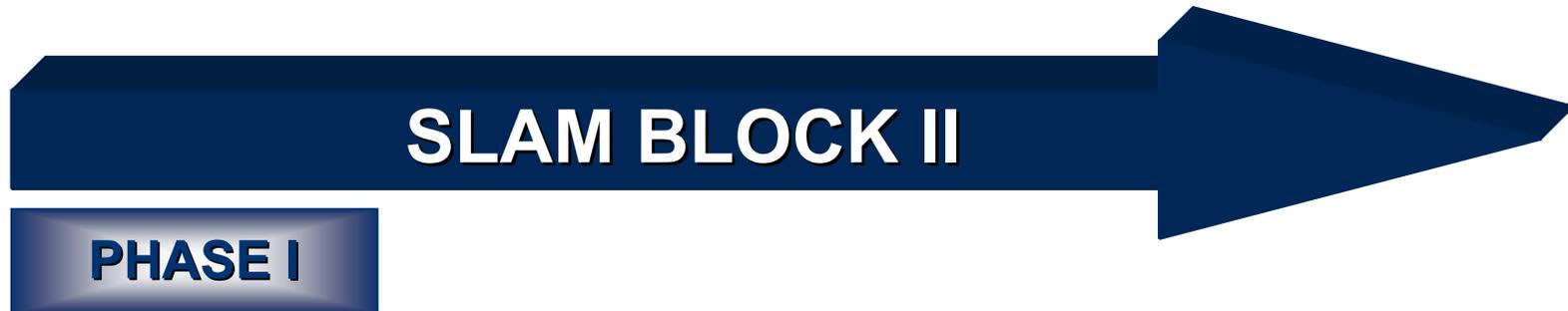


## Deployed Equipment





# STRATEGIC LOGISTICS ASSET MANAGEMENT





## SLAM BLOCK II



- **CONDUCT FOLLOW-ON PLANNING FOR SUPPORTING ALL MARINE HQS, UNITS, DETACHMENTS THAT DO NOT FALL UNDER CURRENT CSF CONCEPT.**
- **REFINE GLOBAL SUPPORT FOR REPLACEMENT / REPLENISHMENT / MAINTENANCE OF MARINE CORPS NBCD ASSETS FOR DEPLOYED UNITS.**
- **CONDUCT AN INDEPENDENT LOGISTICS ASSESSMENT (ILA) ON CENTRALIZED MANAGEMENT, FUNDING, AND CONSOLIDATION OF MEDICAL/DENTAL EQUIPMENT, MEDICANTS, AND TENTAGE.**
- **CONSOLIDATE NBCDE, CIF, AND CTEP FOR ONE-STOP SHOPPING**
- **COORDINATE WITH SLAM ADVISORY GROUP**
- **15-MONTH EFFORT BEGINNING JANUARY 2004**
  - Two working groups: Facilities & Logistics Impact
  - concept development/planning – 7mos; facilities assessment – 8mos



# PRIORITY OF WORK



- **PUBLISH MARINE CORPS BULLETIN**
- **STAND-UP THE JOINT FACILITIES ASSESSMENT TEAM:  
PLAN/IDENTIFY, PROGRAM, AND EXECUTE VALID FACILITY  
PROJECTS**
- **PROVIDE RECOMMENDED IMPLEMENTATION SEQUENCE  
(LEJEUNE, PENDLETON, OKINAWA – GROUND)**
- **PREPARE & DELIVER CAPSTONE BRIEF (ROAD SHOW)**
- **FOSTER AND MAINTAIN CLOSE COORDINATION BETWEEN  
THE MARFORS AND MARCORSYSCOM NBCD**



# PMNBC TEAM SERVICES PORTAL



- <http://pmnbc.ctcorp.com>
- **Functionality**
  - Document repository
  - Contact information
  - Issue tracking
  - SLAM calendar
- **User access**
  - contact Ms. Cathy Clements ([clementsc@ctcorp.com](mailto:clementsc@ctcorp.com))
  - Name, Title, Organization, email address, & telephone numbers



# UNRESOLVED ISSUES



- **PALCONS**
- **RUCS FOR CSFS**
- **CAPABILITY TO SIPRNET @ CEMT LEVEL**
- **QUANTICO MROC EQUIPMENT REQUIREMENT (IPE & SOME DECON)**
- **FURTHER DEFINE/REFINE SERVICE STANDARDS (NO-NOTICE, 24HR, C DAY, ELSE?) AND ASSOCIATED METRICS**
- **ESTABLISH RECOMMENDED T/A**



# NBC DEFENSE EQUIPMENT CONSOLIDATION



*Questions?*



# BACK UP UP SLIDES



# EQUIPMENT LISTING (1 of 4)



- **RADIAC SET, AN/PDR-56E** **A16307**
- **RADIAC SET, AN/PDR-56G** **A16307**
- **RADIAC SET, AN/PDR-56H** **A16307**
- **DECON SYSTEM, LIGHTWT, M17A1/A3** **B12917**
- **BLADDER, 3000 GAL** **B2130**
- **APRON, TOXICOLOGICAL AGENTS, PROTECTIVE** **C20102**
- **BAG, WATERPROOF, PROTECTIVE MASK, M1/M1A1** **C20202**
- **CHEM. AGENT MONITOR** **C20327**
- **DECON AGENT, STB, 50 LB. DRUM** **C2070**
- **KIT, DECON SKIN, M291** **C20752**



## EQUIPMENT LISTING (2 of 4)



- **DECON APP., PORTABLE, DS, ABC-M11** **C20802**
- **SORBENT DECON SYSTEM** **C20832**
- **DETECTOR KIT, CHEM. AGENT, M256/M256A1** **C21012**
- **DETECTOR, RADIAC, DT-236/PDR-75** **C2105**
- **AUTOMATIC CHEM. AGENT DETECTOR** **C21082**
- **PAPER CHEMICAL AGENT DETECTOR, M9A1** **C21102**
- **FOOTWEAR, COVER, CHEM. PROT. (FISHTAILS)** **C21302**
- **MULTI-PURPOSE OVER BOOT (MULO)** **C2132**
- **GLOVES, SET, CHEMICAL PROTECTIVE** **C21502**
- **HOOD, MASK, CBR, FOR MASK, M40** **C21702**
- **SARATOGA PROTECTIVE SUIT** **C23002**



# EQUIPMENT LISTING (3 of 4)



- **COAT DESERT . SUIT TECH (JSLIST) C23052**
- **TROUSER, DESERT, SUIT TECH (JSLIST) C23062**
- **COAT, WOODLAND, SUIT TECH (JSLIST) C23072**
- **TROUSER, WOODLAND, SUIT TECH (JSLIST) C23082**
- **TEST KIT, WATER, CHEMICAL AGENTS C23752**
- **MASK, CB PROTECTIVE, FIELD, M40/ M40A1 C52652**
- **VOICE COMM ADAPTER C5269**
- **REMOTE SENSING CHEM. AGENT ALARM M21 C58252**
- **COMPUTER INDICATOR, RADIAC, CP-696/PDR-75 H2230**
- **DOSIMETRY SYSTEM, INDIVIDUAL, AN/PDR-75 H2230**



# EQUIPMENT LISTING (4 of 4)



- **RADIAC SET, AN/VDR-2** **H23652**
- **RADIAC DETECTOR CHARGER, PP4276/PD** **H23692**
- **RADIAC METER, IM-143/PD** **H23722**
- **M8 PAPER** **K4685**
- **SIREN** **K4815**
- **M41 PATS** **K5017**
- **SECOND SKIN** **XXXX**
- **C2 CAN** **XXXX**



# MARINE CORPS METRICS



- **READINESS**
- **INVENTORY DATA INTEGRITY**
- **57XX AVAILABILITY FOR MOS-SPECIFIC DUTIES**



# CEMT PERFORMANCE METRICS



- **REQUISITION AGE (DAYS)**
- **TOTAL CUSTOMER CALLS RECEIVED/DAY**
- **CUSTOMER PROBLEM RESOLUTION TIME (HRS)**
- **CUSTOMER SATISFACTION (SURVEY)**
- **ACCOUNTS PAYABLE (DAYS)**
- **BUDGET/OPERATING COSTS (PROGRAM)**



# CSF PERFORMANCE METRICS



- **TIME TO MOUNT-OUT A BN (CEMT REQUEST TO CSF SHIP TIME)**
- **MAN HOURS TO MOUNT OUT A BN (OR OTHER DEFINED UNIT)**
- **% ON TIME SHIPPING (CEMT REQ TO CSF SHIP) (ORDERS SHIPPED ON-TIME/ TOTAL ORDER SHIPPED)**
- **ORDER FILL RATE (ORDERS FILLED COMPLETE/TOTAL ORDERS FILLED)**
- **% ORDER ACCURACY (ERROR-FREE ORDERS/TOTAL ORDERS FILLED)**
- **ORDER CYCLE TIME (ACTUAL SHIP DATE- ORDER DATE)**
- **BUDGET/OPERATING COSTS (PERSONNEL, TRANSPORTATION, ECT)**
- **TOTAL QUANTITY & % OF UNIT ROLLED-UP T/E ON HAND**
- **% OF NBCD IN MAINTENANCE/CALIBRATION**
- **CYCLE COUNT ACCURACY %**
- **% INCOMING RECEIPT ACCURACY**



# CSF FACILITY AND EQUIPMENT REQUIREMENTS (1 of 4)



- **SPACE ESTIMATES BASED ON ANALYSIS OF AVAILABLE TE AND TO DATA**
- **PHYSICAL MEASUREMENT OF NSN'S COMPLETED AT CAMP LEJEUNE**
- **TWO SCENARIO'S CONSIDERED - TWO HIGH AND THREE HIGH STORAGE - TO ACCOMMODATE THE RANGE OF POTENTIAL BUILDING CONFIGURATIONS**
- **STANDARD PALLET RACKING PLANNED FOR NBCD EQUIPMENT STORAGE**
- **PROVISION FOR SPECIALIZED DETECTION EQUIPMENT STORAGE AND MAINTENANCE**
- **PROVISION FOR M17 SANATOR BULK STORAGE AND MAINTENANCE**
- **OUTDOOR STORAGE FOR PALCONS ASSUMED**
- **COMPREHENSIVE FACILITY SPACE ANALYSIS TOOLS EMPLOYED**



# CSF FACILITY AND EQUIPMENT REQUIREMENTS (2 of 4)



- **FACILITY SELECTION GUIDE PREPARED DETAILING CSF FACILITY REQUIREMENTS- PROVIDES CAPABILITY FOR THE USMC TO QUICKLY SCREEN CANDIDATE FACILITIES**
- **IDENTIFICATION OF CURRENT BUILDINGS REQUIRED, TE, TO, AND BUILDING SIZE FOR CURRENT STORAGE FACILITIES**
- **INCLUDES THE FOLLOWING SPECIFICATION INFORMATION:**
  - Parking
  - Space
  - Electrical and Lighting
  - HVAC
  - Plumbing
  - Fire Protection
  - Telephone and Data



# CSF FACILITY AND EQUIPMENT REQUIREMENTS (3 of 4)



- **MASTER EQUIPMENT LIST (MEL) OF REQUIRED WAREHOUSE EQUIPMENT CREATED**
- **EARLY IDENTIFICATION OF AVAILABLE GFE BY LOCATION IS REQUESTED - FORK LIFTS, PALLET RACKING, ETC.**
- **MEL BASED UPON CURRENT UNDERSTANDING OF SPECIFIC REQUIREMENTS**
- **BUDGETARY PLANNING ESTIMATES CREATED FOR EQUIPMENT BASED UPON HISTORICAL PURCHASING INFORMATION**
- **DOES NOT INCLUDE INFORMATION TECHNOLOGY EQUIPMENT - COMPUTERS, PRINTERS, RF GUNS, ETC. - STILL FINALIZING SOLUTION**



# CSF FACILITY AND EQUIPMENT REQUIREMENTS (4 OF 4)



- **PLANNING BUDGET ESTIMATE FOR FACILITY UPFIT AND WAREHOUSE EQUIPMENT PREPARED**
- **ESTIMATED FACILITY AND EQUIPMENT BUDGET FOR I, II, III MEF & NCR:**

Location	Recommended Square Footage (3 High Storage)	Rep. Facility Drawing Size Class	Facility Modification Cost Estimate	Master Equipment List Cost Estimate	Equipment Installation Cost Estimate	Subtotal Facility & Equipment Cost Estimate	Regional Adjustment From Base	Total Facility & Equipment Cost Estimate	Facility & Equipment Cost Per Square Foot
<b>NCR</b>									
Quantico	7,927	Small	32,000	79,000	\$5,000	\$116,000	1.25	\$145,000	\$18.29
<b>I MEF</b>									
Camp Pendelton	45,800	Large	246,000	507,000	\$50,000	\$803,000	1.25	\$1,003,750	\$21.92
29 Palms	12,100	Medium	51,000	178,000	\$10,000	\$239,000	1.25	\$298,750	\$24.69
MCAS Miramar	11,200	Medium	51,000	178,000	\$10,000	\$239,000	1.25	\$298,750	\$26.67
MCAS Yuma	5,600	Small	32,000	79,000	\$5,000	\$116,000	1.25	\$145,000	\$25.89
<b>II MEF</b>									
Camp Lejeune	48,400	Large	246,000	507,000	\$50,000	\$803,000	1.00	\$803,000	\$16.59
MCAS Cherry Point	10,500	Medium	51,000	178,000	\$10,000	\$239,000	1.00	\$239,000	\$22.76
MCAS Beaufort	6,600	Small	32,000	79,000	\$5,000	\$116,000	1.00	\$116,000	\$17.58
MCAS New River	8,400	Small	32,000	79,000	\$5,000	\$116,000	1.00	\$116,000	\$13.81
<b>III MEF</b>									
Okinawa, Japan	20,400	Medium	51,000	178,000	\$10,000	\$239,000	2.00	\$478,000	\$23.43
Iwakuni, Japan	5,900	Small	32,000	79,000	\$5,000	\$116,000	2.00	\$232,000	\$39.32
Kaneohe Bay, Hawaii	24,700	Medium	32,000	178,000	\$10,000	\$220,000	1.50	\$330,000	\$13.36
<b>CEMT</b>									
<b>TOTAL</b>	<b>207,527</b>		<b>\$888,000</b>	<b>\$2,299,000</b>	<b>\$175,000</b>	<b>\$3,362,000</b>		<b>\$4,205,250</b>	<b>\$20.26</b>



# FACILITY ASSESSMENT PROCESS



- **JOINT FACILITIES ASSESSMENT TEAM (JFAT) WILL CONDUCT FACILITY ASSESSMENTS IN A WELL-EXECUTED, PROFESSIONAL MANNER**
- **USMC NEEDS TO ADVISE POINTS OF CONTACT FOR EACH GEOGRAPHIC LOCATION AND PROVIDE REQUESTED PRE-VISIT DOCUMENTATION - EXISTING DRAWINGS AND SPECIFICATIONS**
- **SCHEDULES AND AGENDAS WILL BE COMMUNICATED BY THE SLAM FACILITIES IPT IN ADVANCE OF FACILITY ASSESSMENTS**
- **FULL COOPERATION WHILE ON SITE IS REQUIRED**
- **FORMAL FACILITY ASSESSMENT CHECKLIST WILL BE UTILIZED TO DOCUMENT FINDINGS**



# PLANT LAYOUT DESIGN



- **CSF FACILITIES CATEGORIZED INTO SMALL, MEDIUM, AND LARGE SIZES**
- **REPRESENTATIVE DRAWING PACKAGE FOR LARGE CSF PROVIDED**
- **EQUIPMENT LAYOUT DRAWING PROVIDED FOR SMALL AND MEDIUM FACILITY**
- **“COOKIE CUTTER” APPROACH WILL BE EMPLOYED TO ENSURE CONSISTENCY OF LAYOUTS AND CONFIGURATIONS SITE TO SITE**
- **FOLLOWING FACILITY ASSESSMENTS DRAWING PACKAGES WILL BE DEVELOPED FOR EACH LOCATION**
- **FACILITY DRAWING PACKAGES WILL BE SUBMITTED TO USMC FOR REVIEW AND APPROVAL - TEN DAY TURNAROUND REQUIRED**



# PLANT LAYOUT DESIGN



## “Large” Facility

