



U.S. Marine Corps AIT/RFID - Enabling Materiel Distribution in Iraq

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Agenda

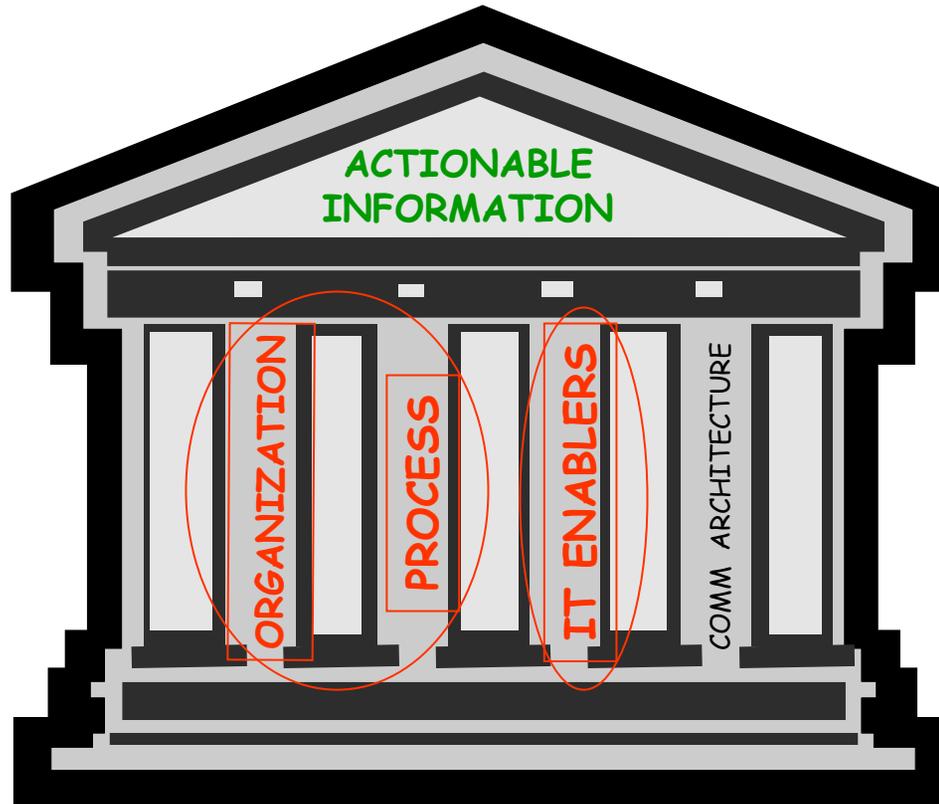
- ❑ What we want to leave you with today
- ❑ Garrison Distribution Process
- ❑ IT Enablers
- ❑ Deployed Distribution Process
- ❑ Conclusion





What we want to leave you with today

✓ "It is not enough to merely have systems that capture AIT/RFID data. A means of converting that data into information that will aid in making better decisions for the management of the supply chain is needed."





Garrison Distribution Process

- Two organizations within the Marine Corps are handling materiel distribution
 - Traffic Management Office (TMO)
(Transportation)
 - SASSY Management Unit (SMU)/Retail Warehousing **(Supply)**
- Based upon your location **(Camp Lejeune, Camp Pendleton, and Camp Butler)** your distribution process varies



Logistics Modernization

MAGTF Distribution

- ❖ Synchronization of the distribution system to include **visibility**, capacity, and control to successfully deploy and sustain a MAGTF engaged in combat operations.
- ❖ Integrate distribution processes into a single integrated process extending across the strategic, operational and tactical levels of war.





Automated Information Systems

Transportation



Automated Manifest System - Tactical (AMS-TAC)

- Transportation Receipt and Distribution System.

Cargo Movement Operations System (CMOS)

- Shipping System



Supply



Storage, Retrieval, Automated Tracking, Integrated System (STRATIS)

- Supply Warehouse Management System





Active RFID Employment

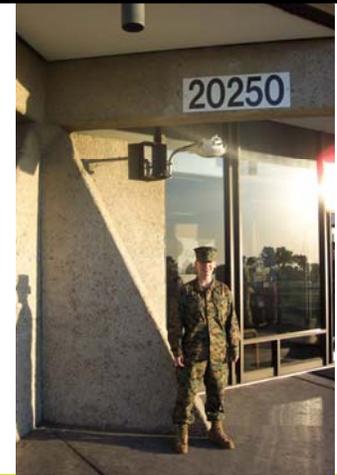
2700 Fixed Interrogators DoD
World-Wide (77 USMC)



Maritime Prepositioned Ships -
7 of 16 Ships Tagged



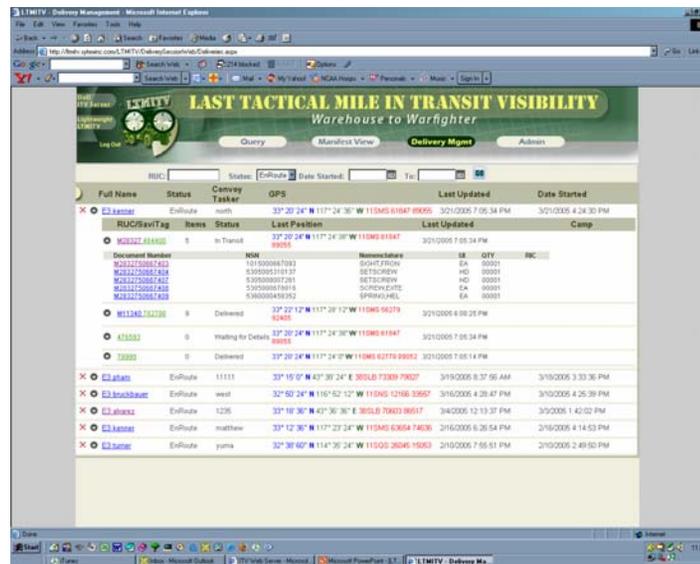
HW/SW Capability
Deployed Marine Corps-wide





Warehouse-to-Warfighter Last Tactical Mile

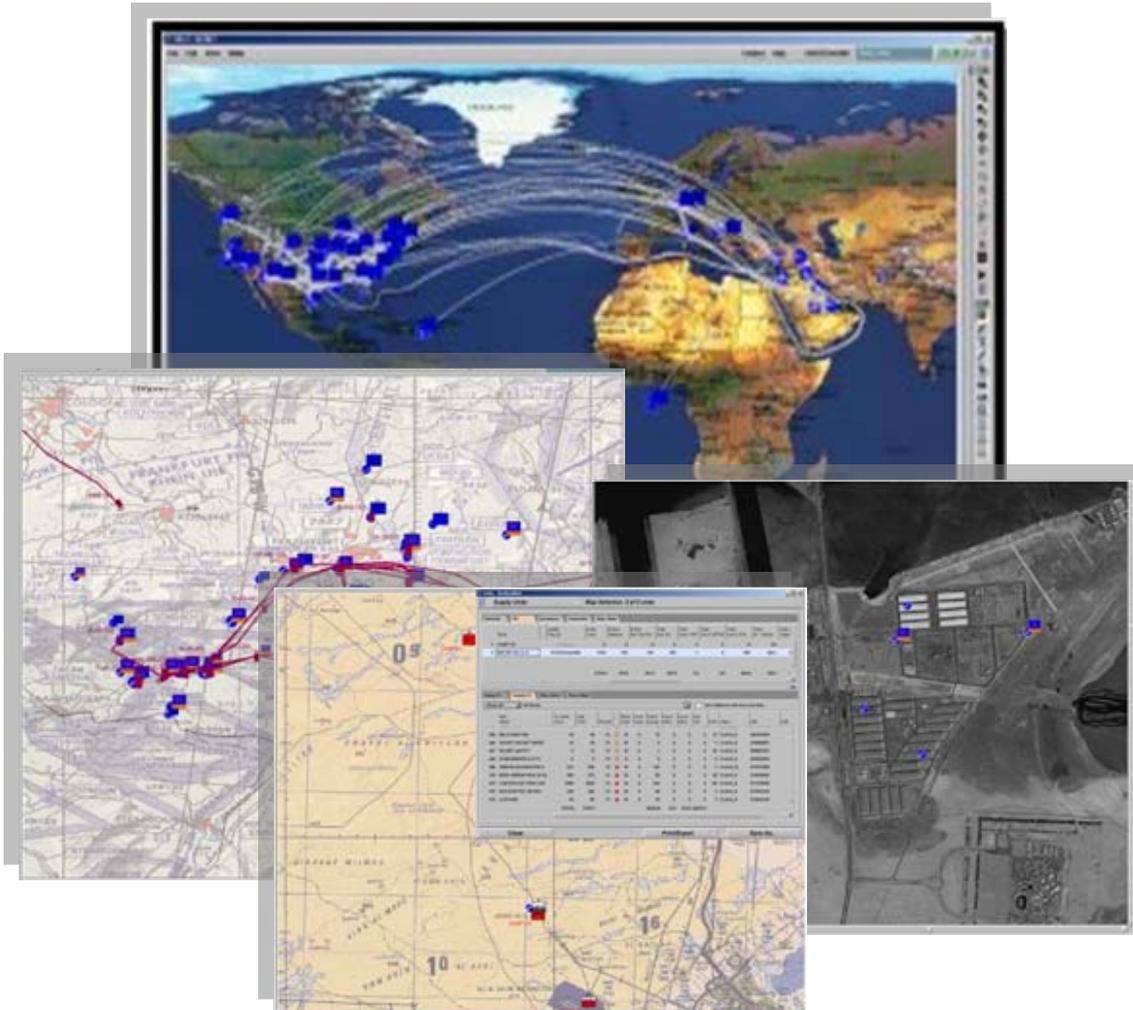
- Visibility of LTM ITV
- Allows upper echelons of command an ability to measure actual LTM Order Ship Time
- Web-based queries of requisitioned gear
- Position updates of RFID tag locations
- Unit delivery or intermediate drop locations are provided down to the document number level





Battle Command Sustainment Support System

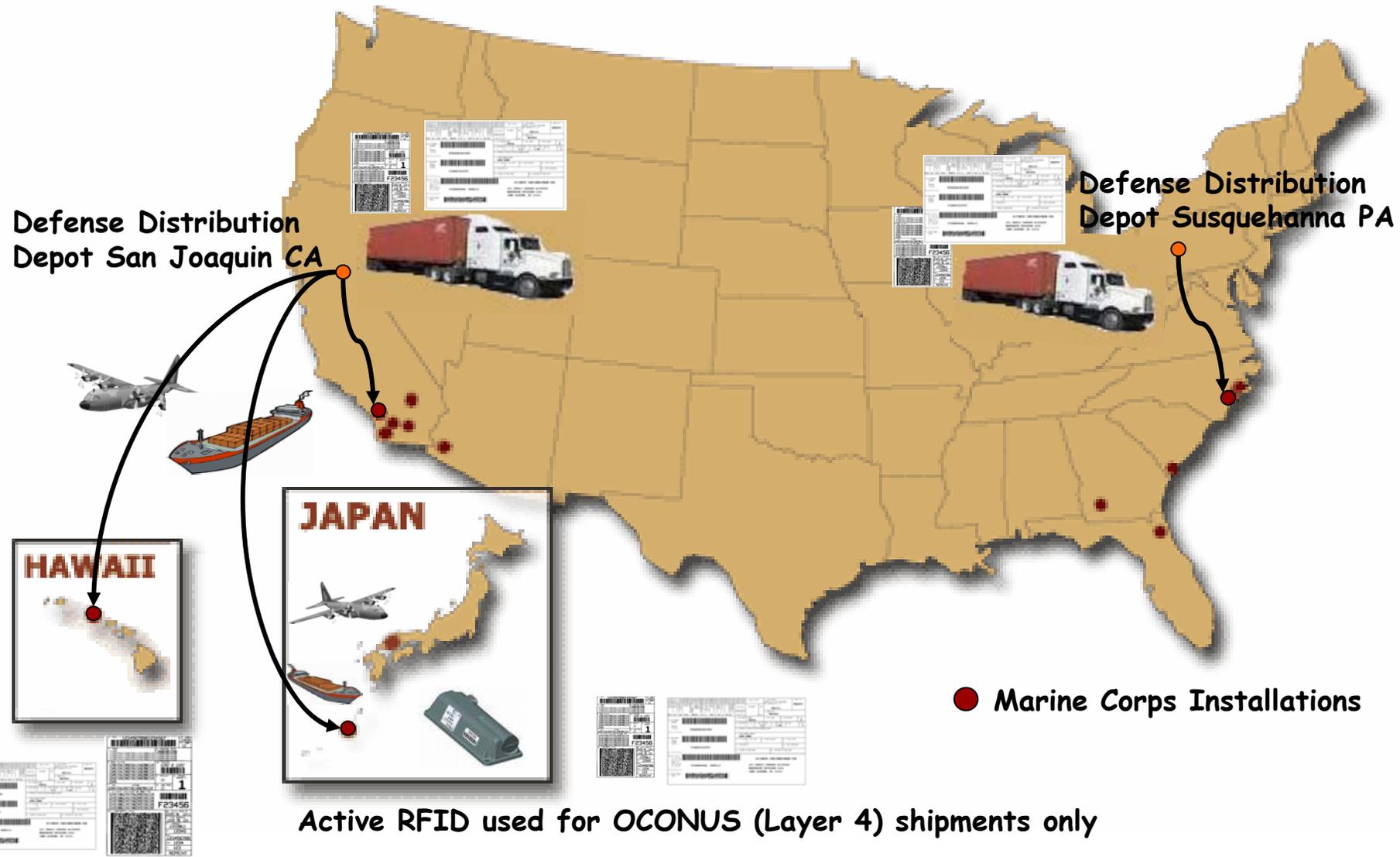
LOGISTICS COMMON OPERATING PICTURE



- Map Based Views
- TPFDD Analysis
- Deployment Rehearsals
- ITV Tracking
- Supply Point Visibility
- Intelligent Agents
- March Credits
- Web Applications
 - TRANSLOG WEB APP
 - Combat Power
 - Future Combat Power
 - LOGSTAT

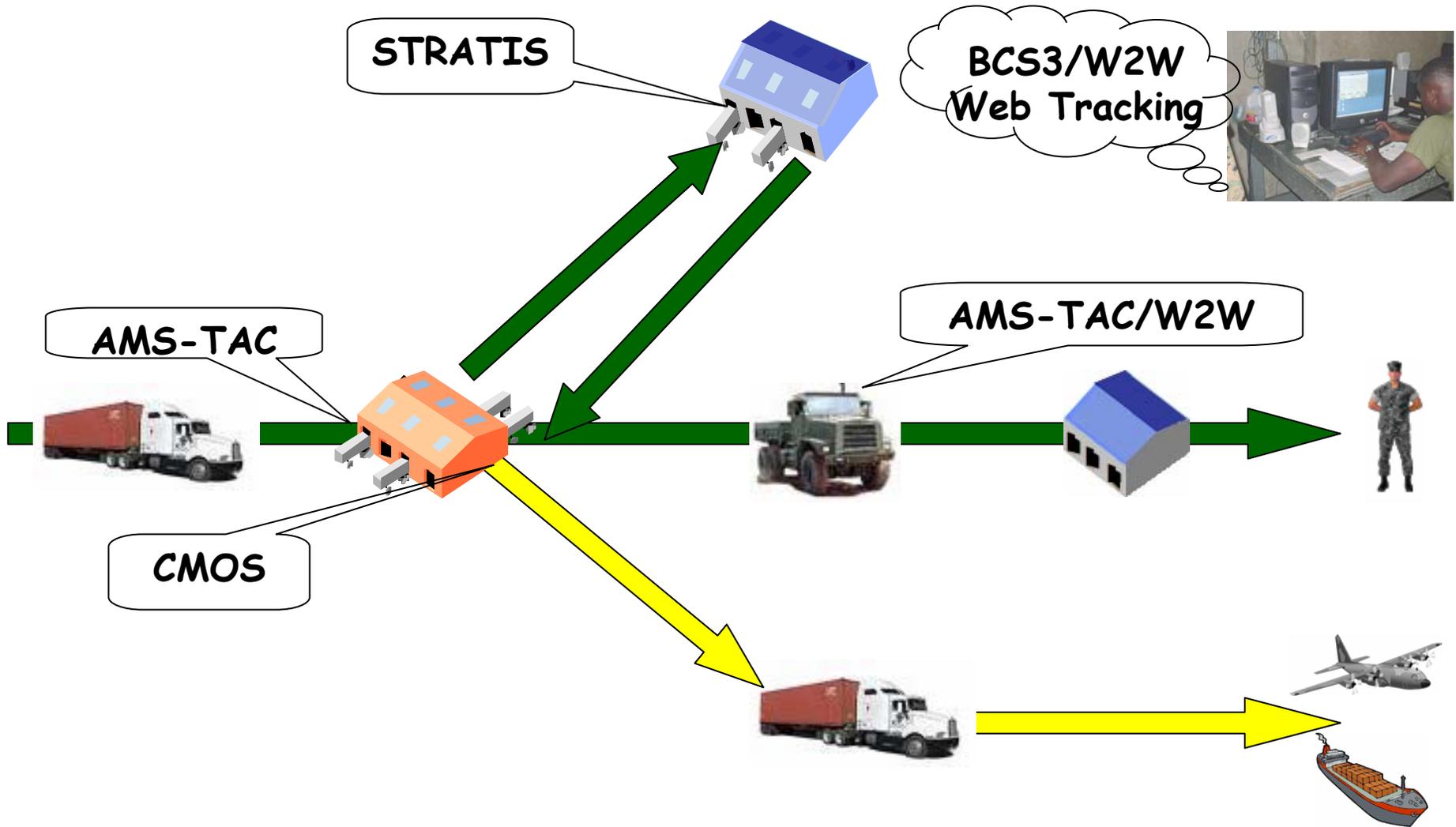


Garrison Materiel In-Bound Flow





Garrison High Level Distribution Process Flow



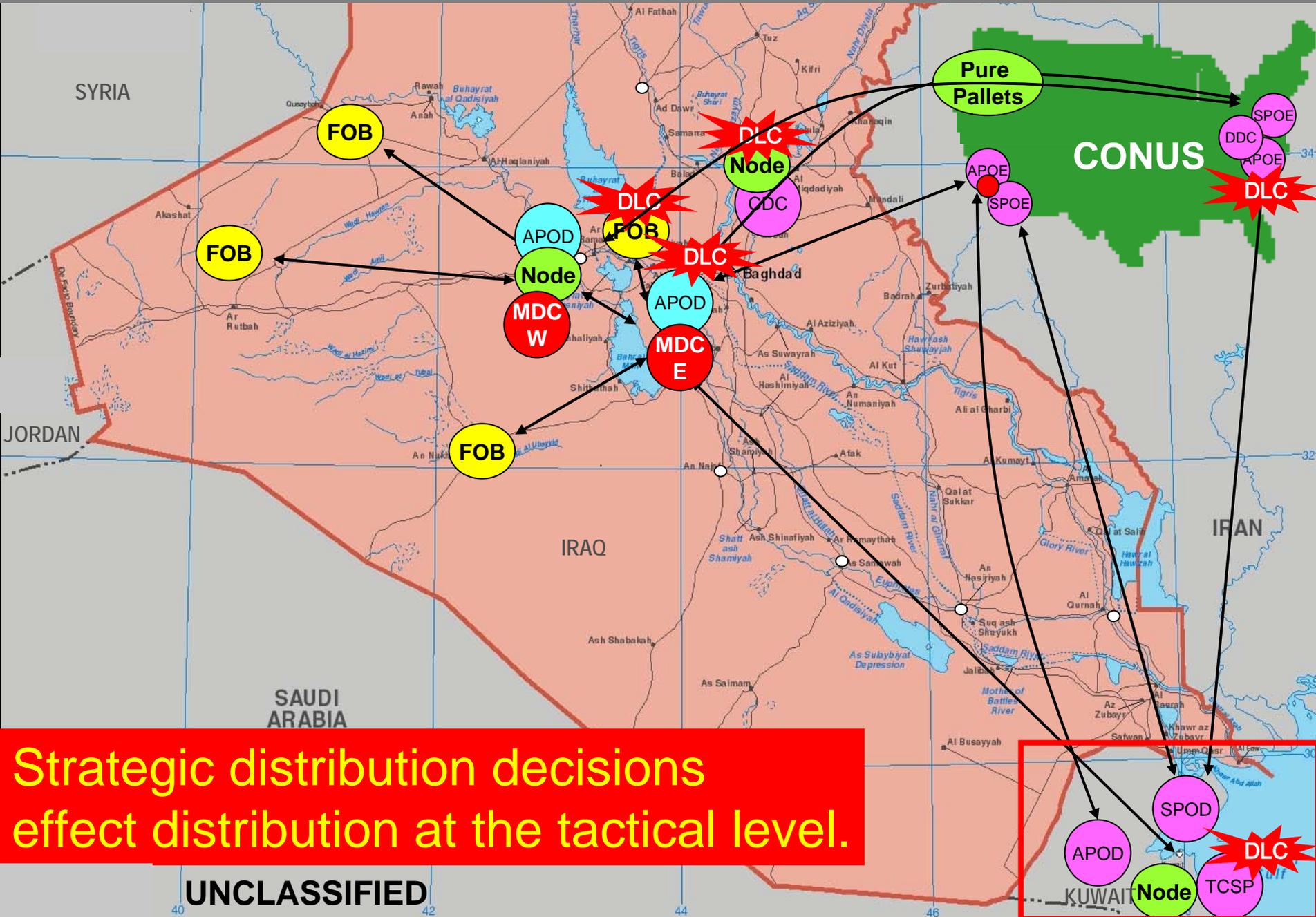
We tag local deliveries to "train" as you "fight"



Deployed Distribution Processes

- Strategic
 - U.S. TRANSCOM = Distribution Process Owner
 - Defense Transportation System (DTS)
- Operational
 - CENTCOM Deployment & Distribution Center (CDDOC)
 - Theater Airlift System/Ground Movement Common User Lift (CULT)
- Tactical
 - MAGTF Deployment & Distribution Center (MDDOC)/MAGTF Materiel Distribution Center (MMDC)
 - USMC Organic Airlift/Ground Movement

Strategic/Operational/Tactical Distribution Process



Strategic distribution decisions effect distribution at the tactical level.

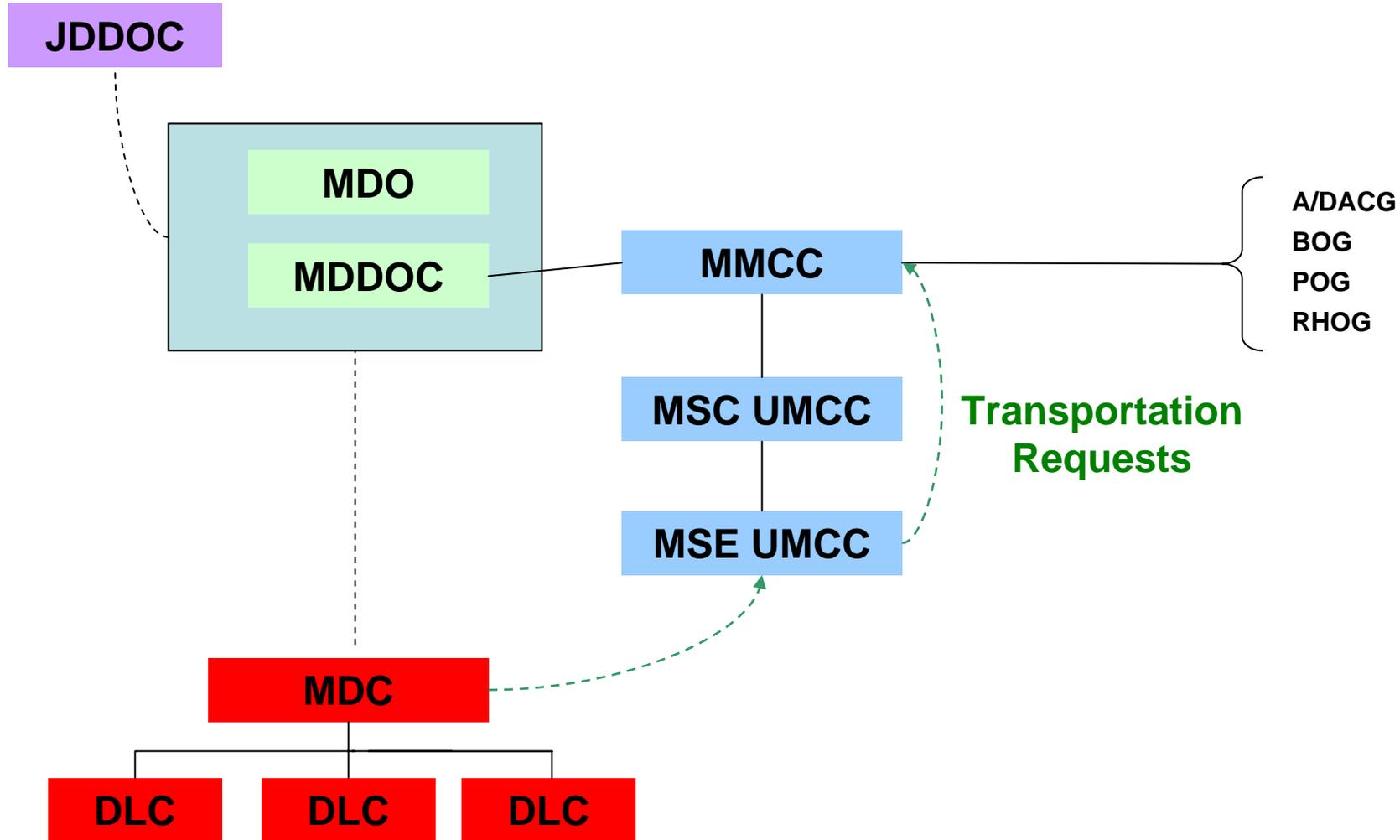


Distribution Structure and Organizations

- Marine Forces Component Distribution Officer
- MAGTF Distribution Officer (MDO)
 - Overall Distribution Capacity Manager
- MAGTF Deployment and Dist Ops Center (MDDOC)
- MAGTF Movement Control Center (MMCC)
- Unit Movement Control Center (UMCC)
- MAGTF Distribution Center (MDC)
 - Integrated shipping, receiving, delivery
- Distribution Liaison Cells (DLC)
 - Last Tactical Mile



Distribution Structure and Organizations





Theater In-transit Visibility (ITV)

- Benefits

- Increased war-fighter capability
 - Control
 - Capacity
 - Certainty

- Challenges

- Standardization throughout DoD/Commercial Industry
- Communication Infrastructure
 - CENTCOM AO = Mature Theater
- Maneuver Warfare
 - Leverage AIT capability to gain E2E visibility in order to maintain throughput velocity and sustain operational tempo
- Training
 - Technology advancement

Conclusion

- ❑ The Marine Corps' single process owner for "MAGTF Distribution" is taking shape
- ❑ AIT/RFID integration will only get better in conjunction of our ERP implementation (Global Combat Support System - Marine Corps (GCSS-MC))

