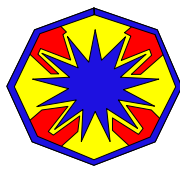
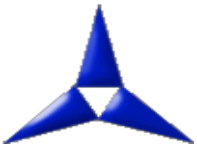


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# Military Logistics in a Theater of Operation

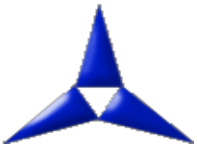
LTC James Marques



# Military Logistics Defined

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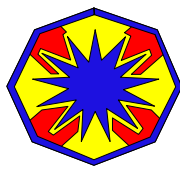
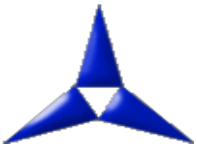
- ATP 4-94 Theater Sustainment Command
- Executed by an Expeditionary Support Command (ESC), formally known as a Corps Support Command (COSCOM)
- Military Logistics is the discipline of planning and carrying out the movement, supply, and maintenance of military forces



# Overall Logistics

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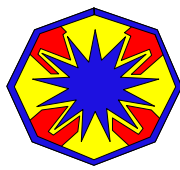
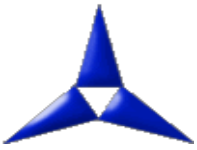
- SPODs/SPOEs (SDDC/Merchants)
  - APODs/APOEs (USAF/Contracted)
  - Government Agencies (DLA, AMC, TACOM, AMCOM, CECOM)
  - Government Contractors (Private Companies)
  - Military Logistical Units (Many)
  - Military Equipment (Varies)
  - Resources (Varies)
-



# Needed Information

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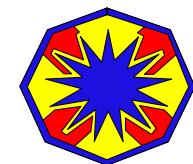
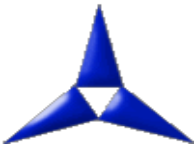
- Ports that are needed
- Shipping and Airstrip requirements
- Roadways (MSRs)
- Types of Supply by Ground vs Air
- Rate of Supply/Supplies on hand
- Supply Points
- Logistics, Quartermaster, and Supplies terms can vary depending on the service



# US Marine Corps

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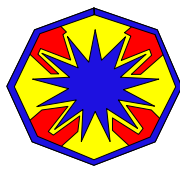
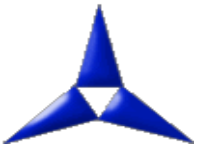
- Marine Logistic Groups (MLGs)
- Only 3 Active Duty Units in the USMC
- Mission is to support Marine Units
- Supplies are similar to the Army



# US Navy

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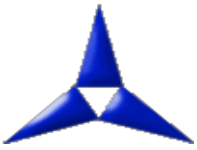
- USN US Navy Ships
- USNS US Navy Services (Merchants)
- RAS Replenishment of Supplies (aka Underway replenishment or UnRep)
- Vortex can be a problem
- Ports must be deep enough
- Contested vs Non Contested



# US Air Force

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- USAF resupplies both ground and air
- USAF will supply its own units
- USAF have forward resupply points
- Bases usually resupply their units
- FARPs for drones and helicopters

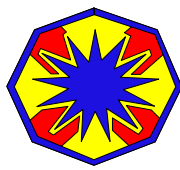
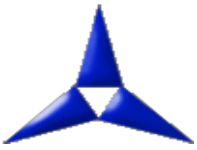


# US Coast Guard

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- USCG supplies itself
- Its mission falls under Homeland Defense
- Formerly fell under the US Dept of Transportation, and previously the US Dept of Commerce
- Falls under the US Navy in time of war
- Responsible for up to 200 miles off the US shoreline

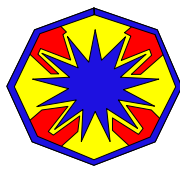
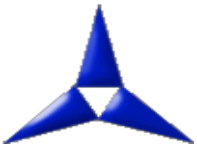




# Common Needed Supplies

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- Fuel
- Ammo
- Parts
- Food and Water
- Clothing

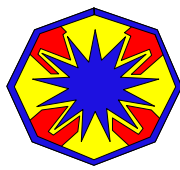
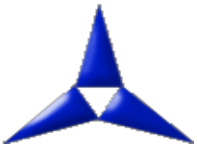


# US Army

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## Classes of Supply

- Class 1 – Food and Water
- Class 2 - Clothing
- Class 3B- Fuel Class 3P- Oils
- Class 4 – Construction Equipment
- Class 5 – Ammo
- Class 6 – Personal Items

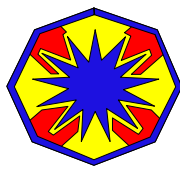
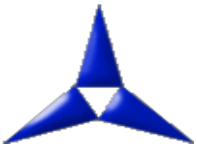


# US Army

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## Classes of Supply

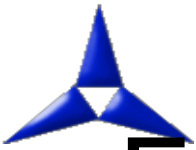
- Class 7 – Major end Items
- Class 8 – Medical Supplies
- Class 9 – Repair Parts
- Class 10 – Civilian items



# Special Requirements

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- Medical Supplies don't get ordered thru the standard Army Supply system due to need and/or expiration
- Repair Parts often get ordered from the Manufacturer thru DLA
- Mail and Ammo are often flown
- Mortuary Affairs are done by special teams in Quartermaster/Dining Facility



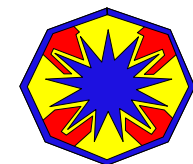
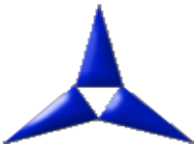
# Former Types of Logistical Units

- COSCOM for Corps
- DISCOMS for Divisions
- MSBs and FSBs for Brigades
- Alpha Company for Transportation
- Bravo Company for Maintenance
- Charlie Company for Medical
- Delta, Echo, and Foxtrot for other support



# Logistical Types of Units Today

- ATP 4-93 Sustainment Brigades
- ATP 4-93.1 CSSBs – Combat Sustainment Support Battalions
- ATP 3-90.61 Special Troops Battalions
  
- ATP 4-90 Brigade Support Battalions
- ATP 4-90 Forward Support Companies
- ATP 4-90 Supply Sections





# https://cascom.army.mil

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## CASCOM

Combined Arms Support Command  
Fort Lee, Virginia


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### Quartermaster School

QMS trains Soldiers, civilians, and members of other Services and Nations in QM and functions. In addition to training, the QMS has command of the 23rd Quartermaster Brigade and serves as a proponent on all QM matters.



### The Army's Sustainment Think Tank


#### Command Priorities

- Multi-Functional Culture
- Broken Icons
- Total Army Sustainment Readiness
- Army Sustainment ERPs and Army Logistics Processes
- Sustainment Doctrine
- Future Battlefield and Re-prioritize Sustainment Materiel Acquisition
- Field Army Readiness COP
- Futures Command
- Operationalize Command

#### Vision

Battlefield Focused! Delivering Sustainment Solutions and Leaders!

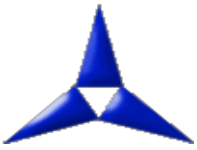
#### Commanding General



#### Mission

CASCOM trains, educates, and develops Sustainment professionals while generating, synchronizing, and integrating innovative Sustainment capabilities, concepts, and

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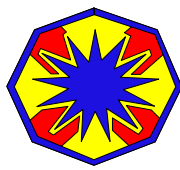
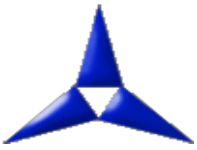


# Differences in Doctrine

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- Direct Support vs Area Support
- Brigades are modular, thus, Support Battalions are modular
- Contractors are used more often to free up the Soldier
- Embedded Government Agencies within the military formations
- FMs vs ATPs and ATDs

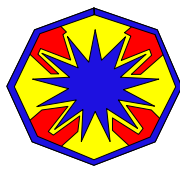
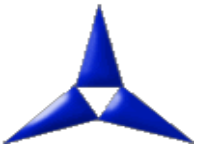




# Levels of Support

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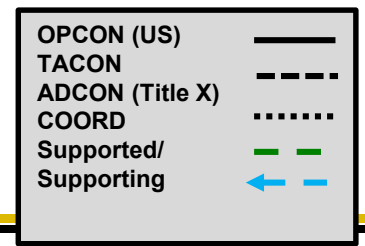
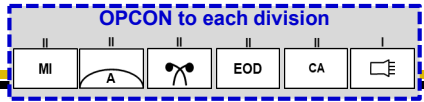
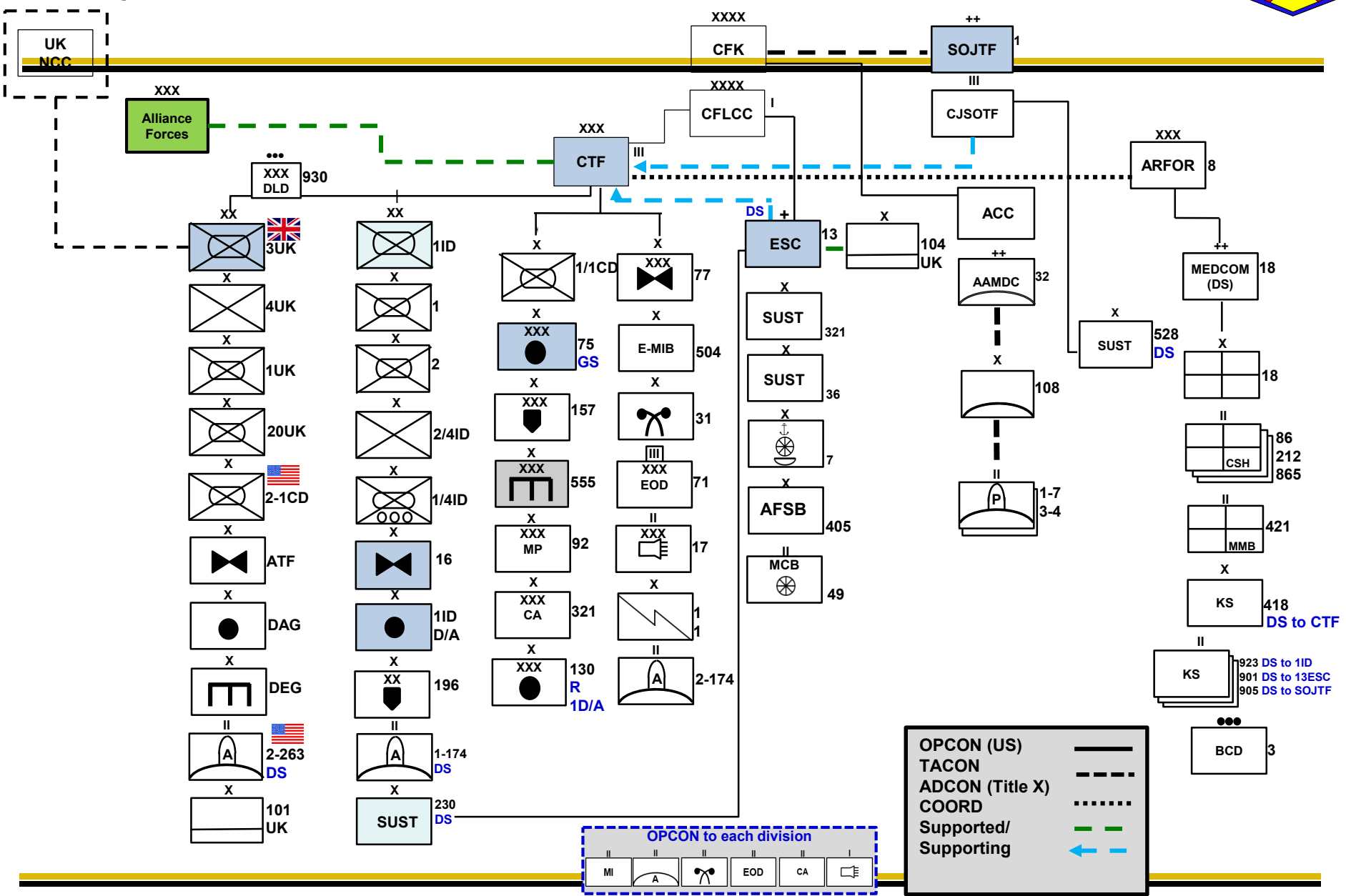
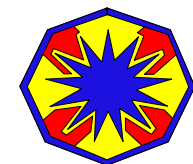
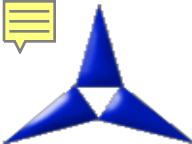
- Strategic (Corps and Divisions)
- Operational (Brigades and Battalions)
- Tactical (Battalions and Companies)

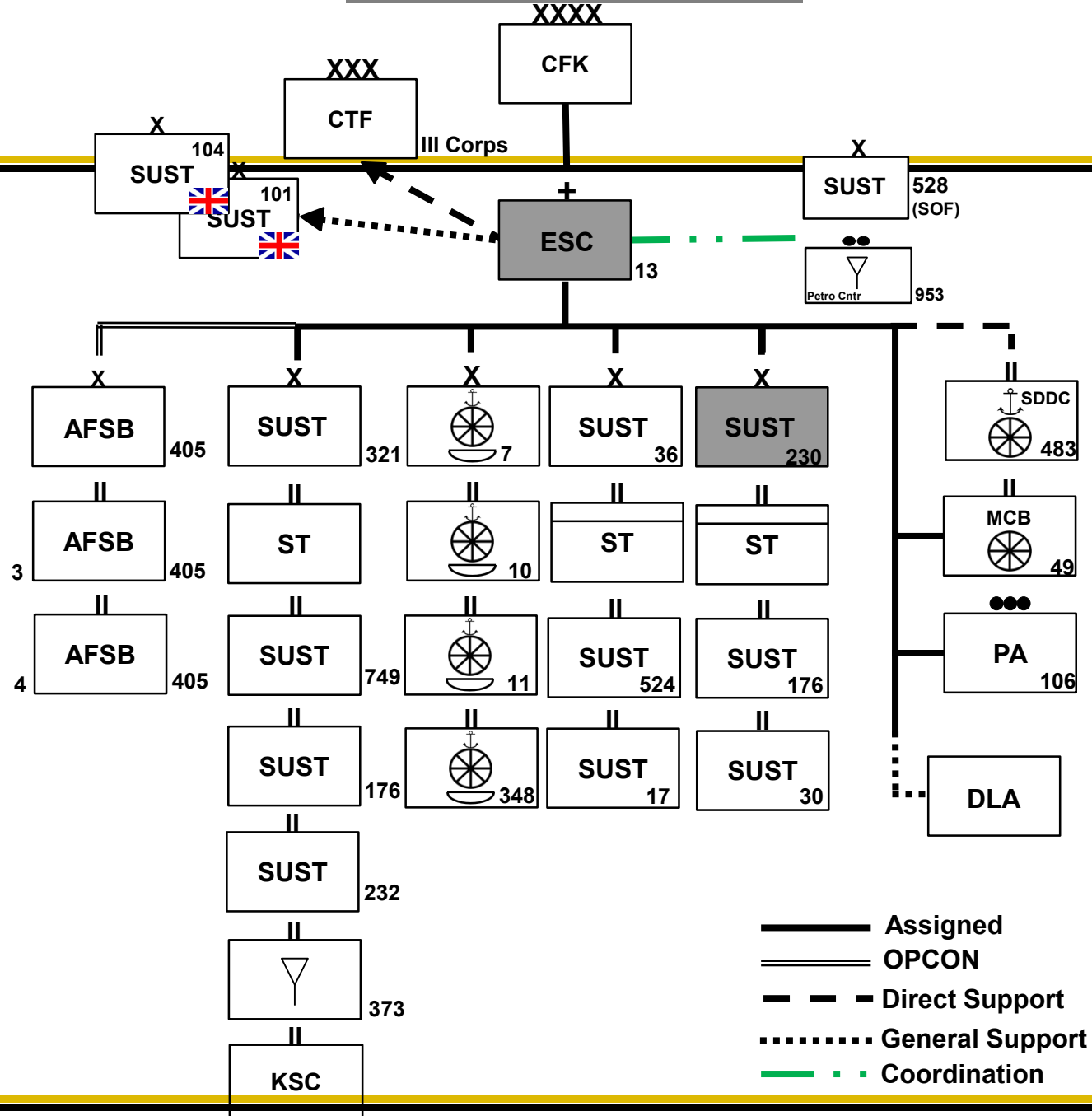
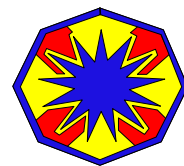
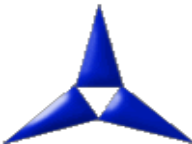


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# Example Task Organization

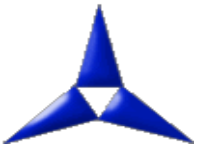
# Task Organization



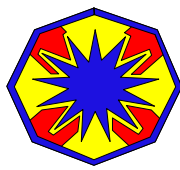




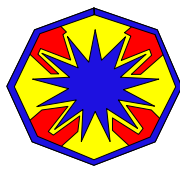
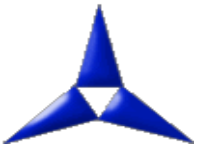
***13<sup>th</sup> SPO (Support Operations)  
Capabilities Brief***



# AGENDA



- 
- Mission
  - Task Organization
  - Doctrine
  - Roles and Responsibilities
  - Questions



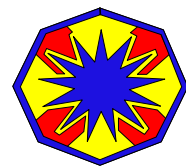
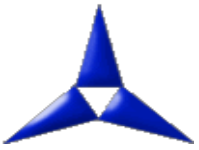
# MISSION

**13<sup>th</sup> ESC MISSION:** Provides command and control of all assigned, attached, and OpCon units. Provides sustainment planning, guidance, and support to forces in an area of operation.

**At FHTX:** Plan, coordinate, and synchronize sustainment operations for four divisions and nine separates ISO III Corps, and the 13<sup>th</sup> ESC Commander's Top Priorities.

“Although all TSC/ESC staff sections play an important role in supporting mission requirements, it is the support operations (SPO) section that is the TSC/ESC center of gravity. It is within the support operations section that materiel and distribution management occurs that enables synchronized and integrated operational-level sustainment support throughout the AOR”.

ATP 4-94



# ESC TASK ORG (ATP 4-94)

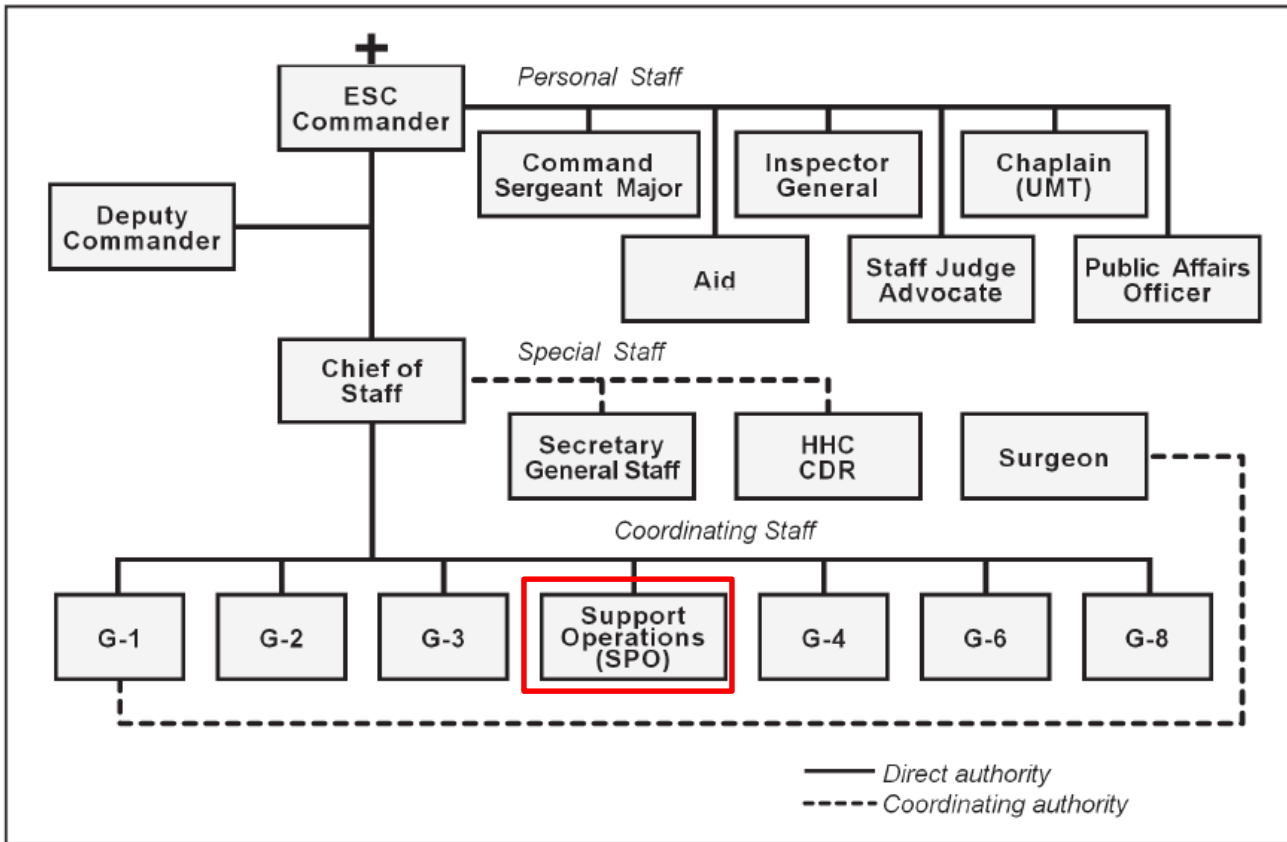
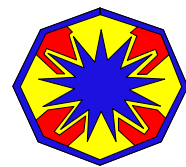
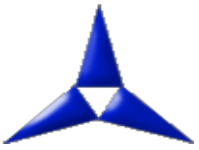
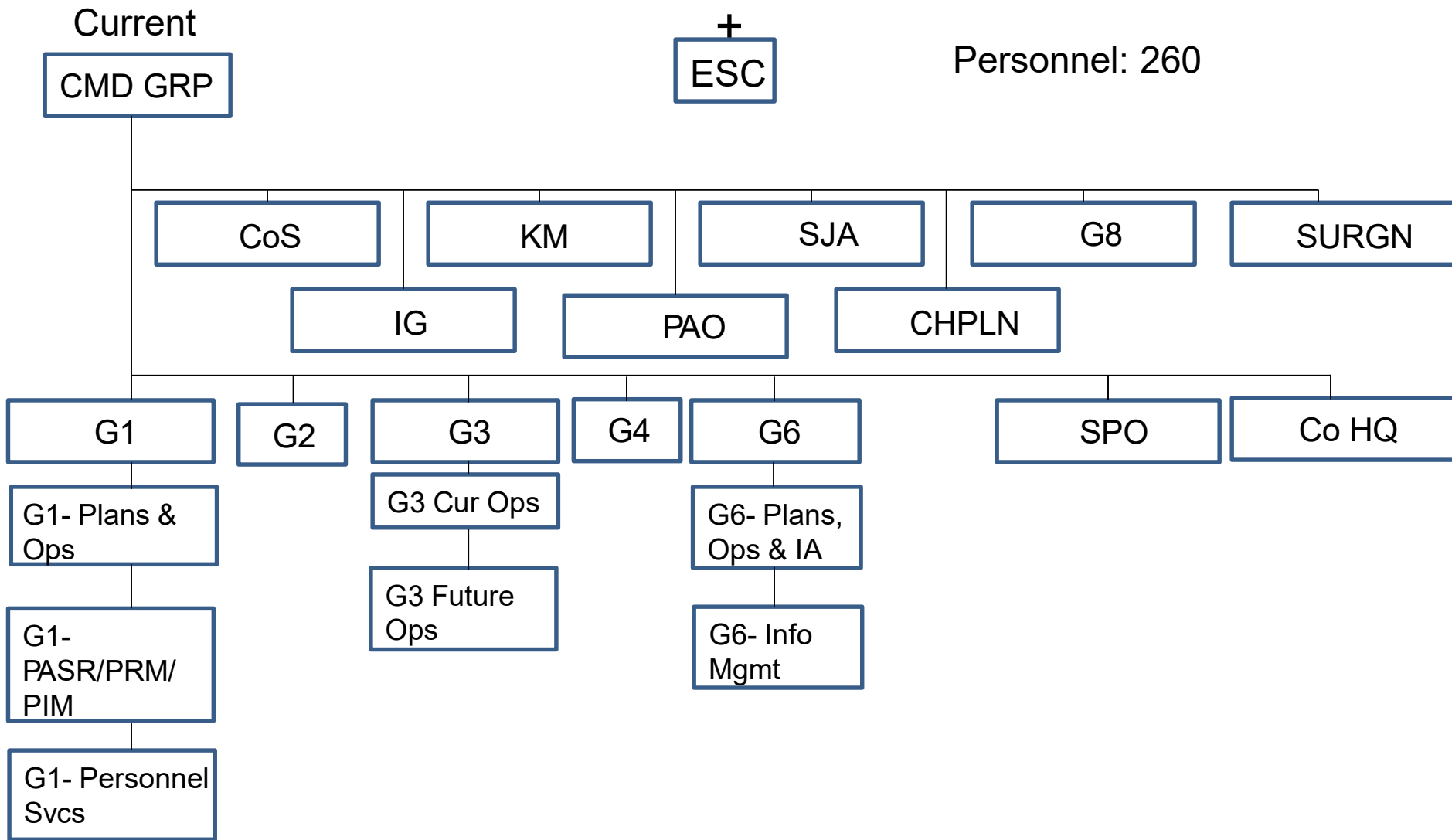


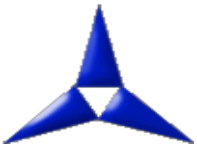
Figure 2-4. Expeditionary sustainment command staff organization





# ESC TASK ORG (CURRENT)





# SPO TASK ORG (ATP 4-94)

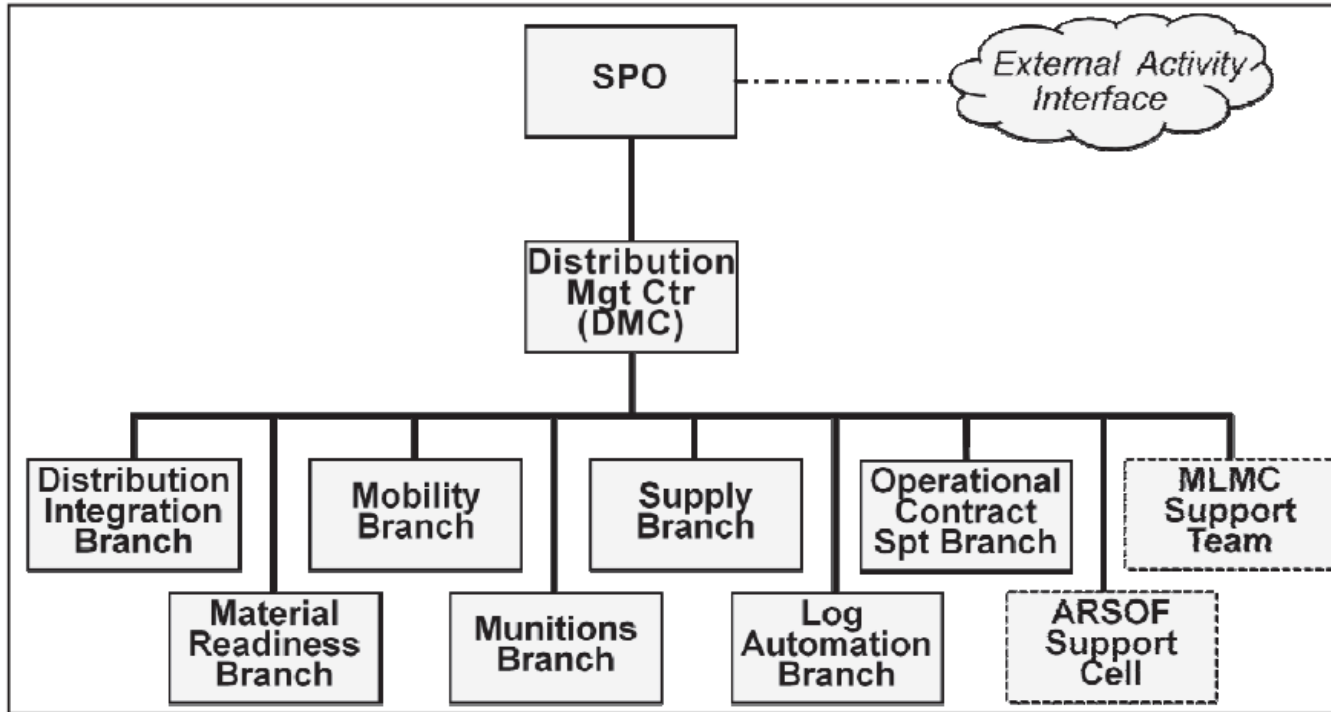
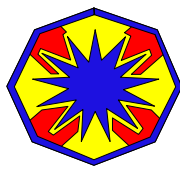
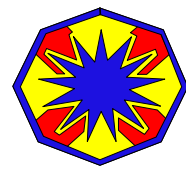
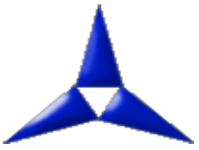
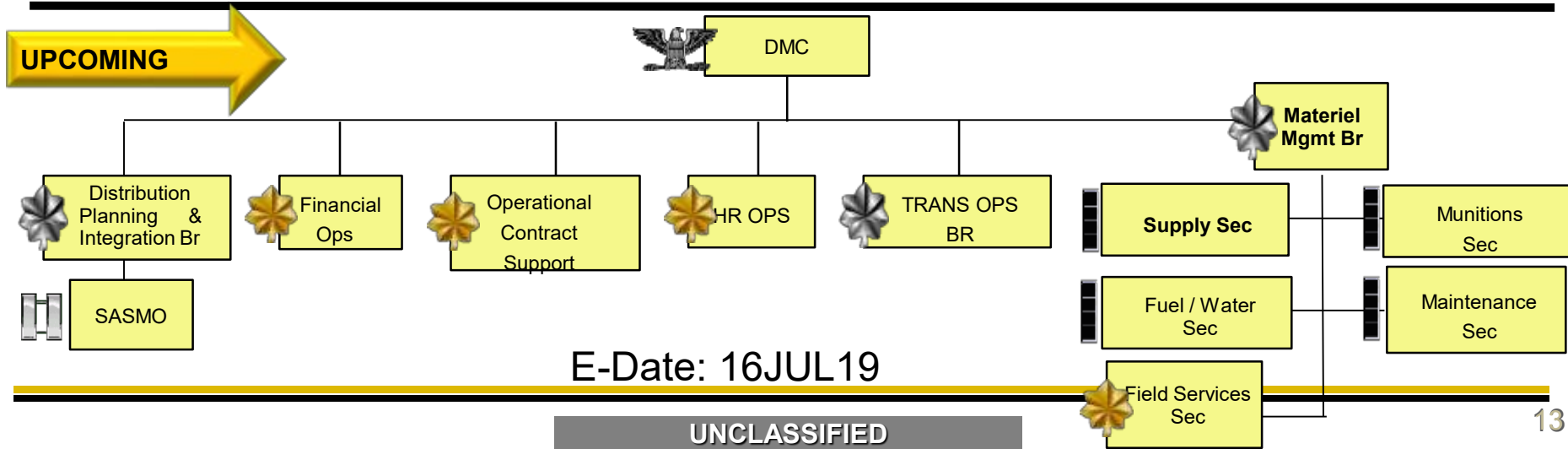
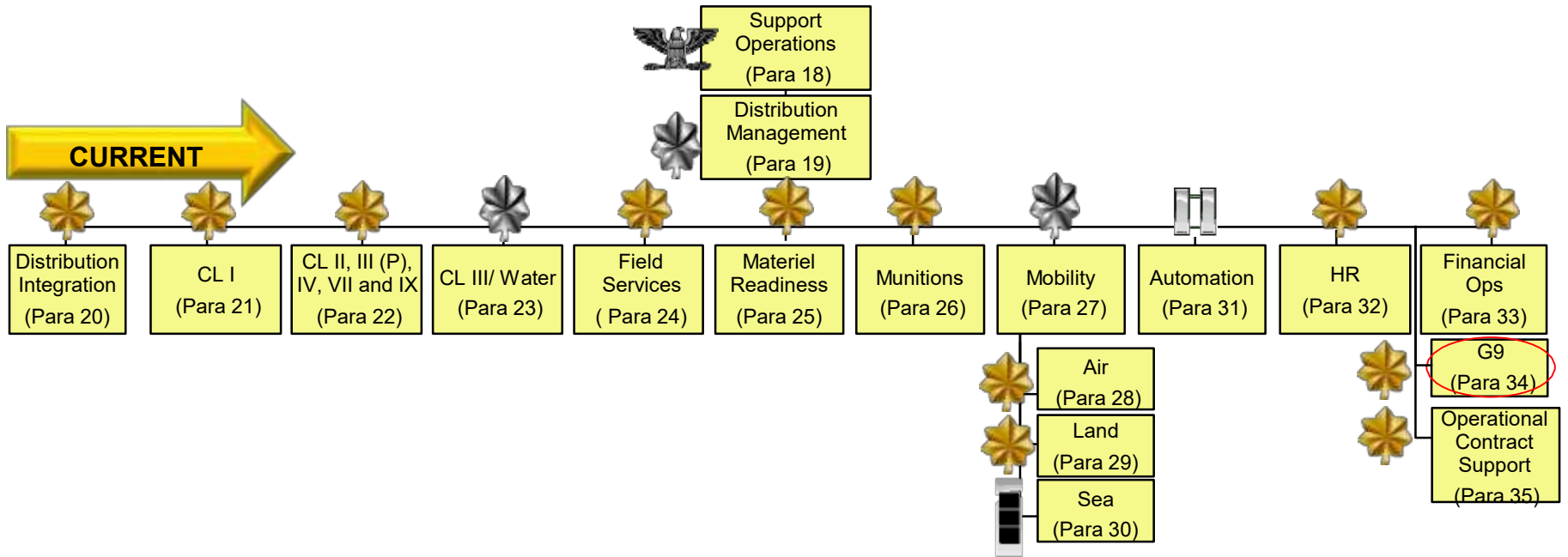


Figure 3-3. Theater sustainment command support operations section

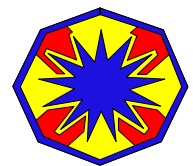
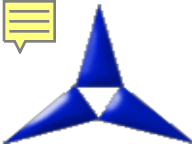
“The support operations section, and in particular the distribution management center (DMC), is augmented as required by METT-TC or in accordance with support agreements in order to synchronize requirements and employ constrained resources more effectively and efficiently”. (ATP 4-94)



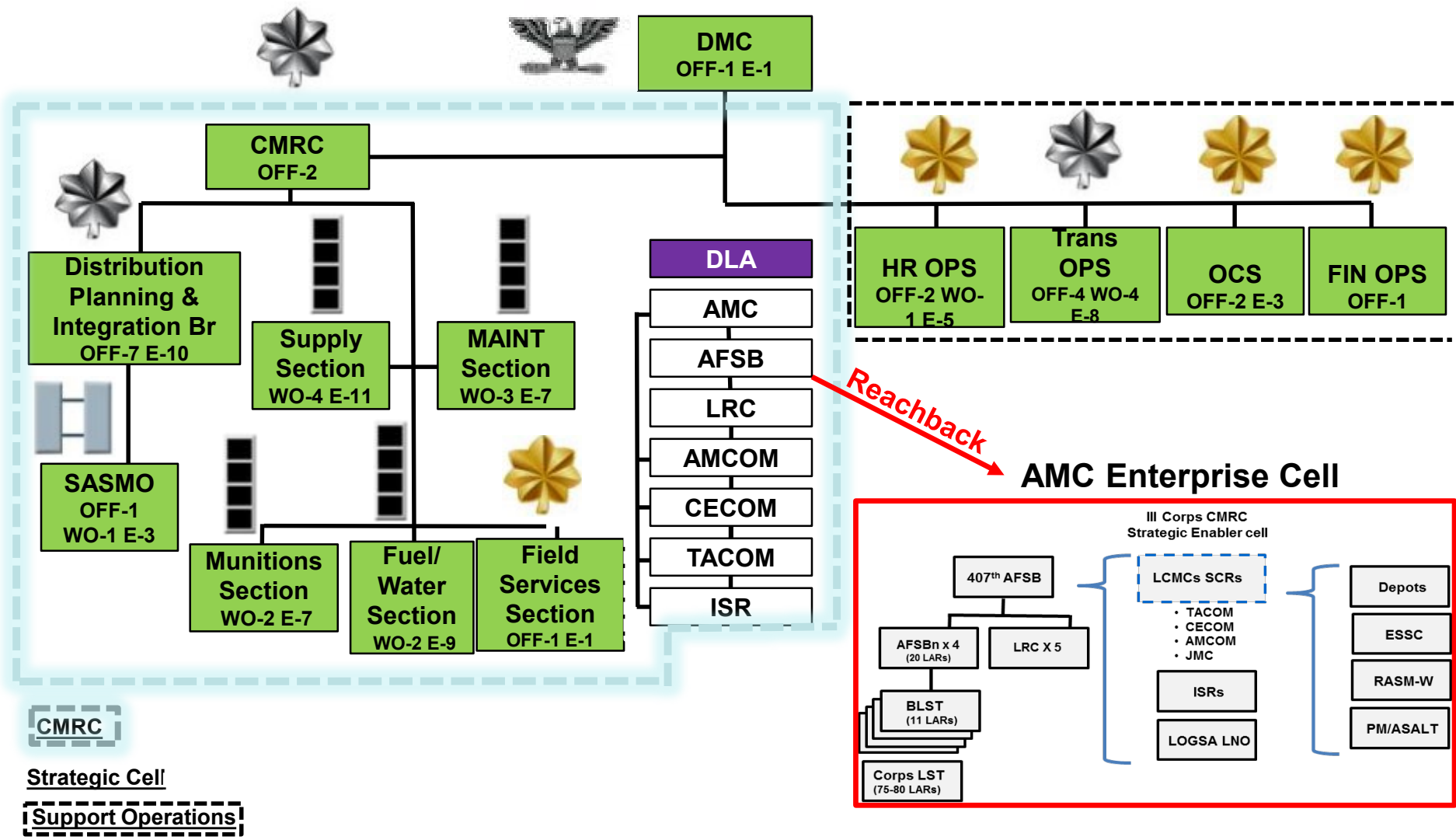
# SPO TASK ORG



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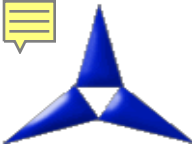
# ESC Support Operations (CMRC)



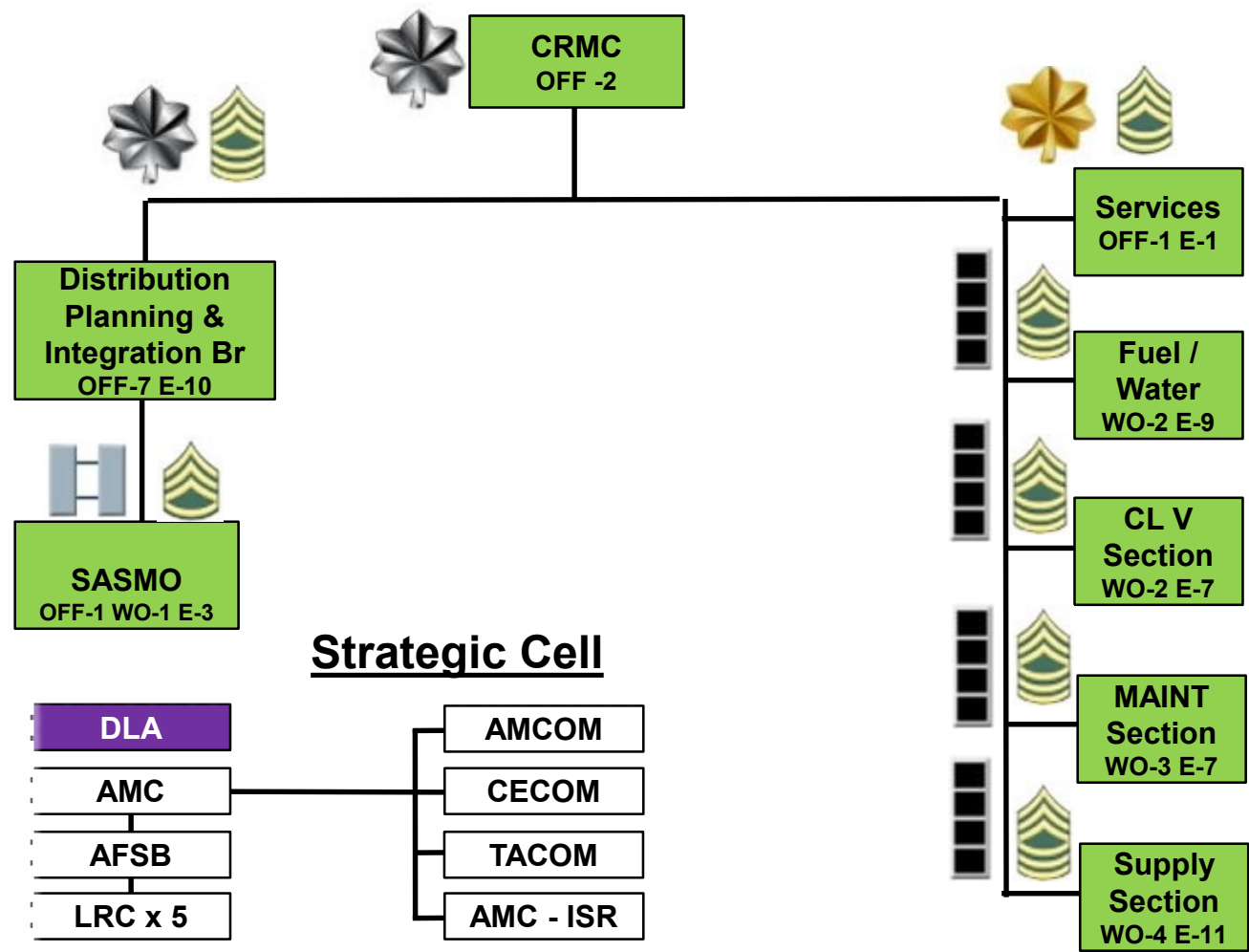
CMRC

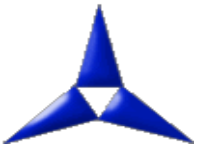
Strategic Cell

Support Operations

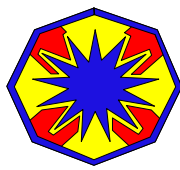


# Corps Materiel Readiness Center

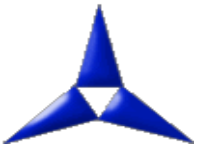




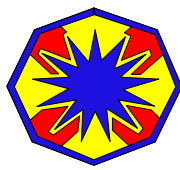
# Doctrine



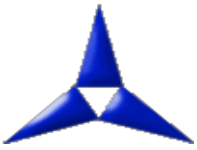
- The TSC/ESC SPO serves as the focal point for coordination on all matters pertaining to sustainment for:
  - Supported units and major commands.
  - Other Services or multinational partner forces.
  - Other Army major commands (to include specialized commands).
  - Strategic-level organizations providing support in the theater.
  - Joint boards, centers, and bureaus.



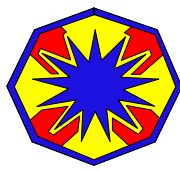
# SPO / DMC



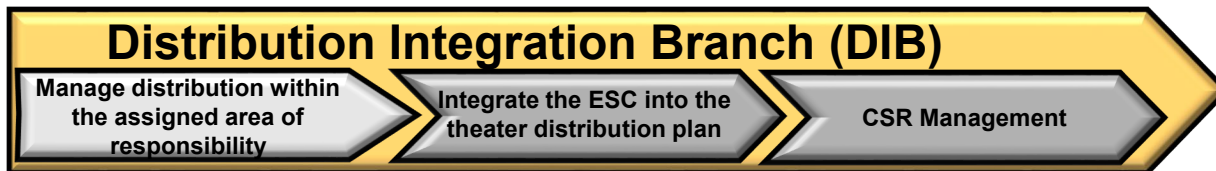
- SPO: Manages the theater distribution network linking the strategic and operational levels of logistics operations.
- SPO: Maintains visibility, capacity, and control of the distribution system by exercising staff supervision over the DMC.
- DMC: Through the coordinated efforts of its internal branches, the DMC, exercises control using current and emerging information technologies that enable the DMC to accurately monitor support from the strategic to tactical level in near real-time.



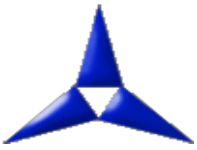
# DIB



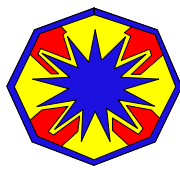
- The distribution integration branch (DIB) coordinates and synchronizes the movement of all personnel, equipment, and supplies into and out of the AOR.
- Relies on coordination and information exchange between the supply and the mobility branches.
- Builds awareness of the logistics status of subordinate and supported units to enable the DMC to optimize resources and task subordinate organizations in support of on-going and future operations.





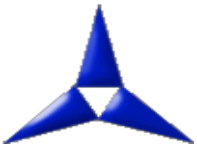


# Log Automation

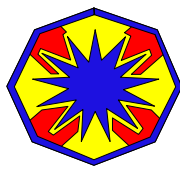


- The log automation branch establishes the logistics automation plan, policies, operational functions, system readiness, and maintenance support for logistics automations systems and networks in support of subordinate units.
- Maintains regional servers for logistic information systems and provides log automation support to subordinate and supported units.



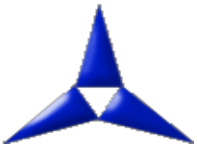


# HROB

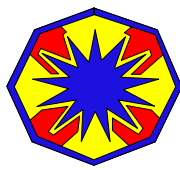


- Plan, coordinate, integrate, and manage the emplacement and operations of subordinate human resources (HR) elements in synchronization with the concept of support plans for casualty, personnel accountability (PA), and postal operations throughout the ESC AO, and provide technical guidance to standard requirements code (SRC) 12 HR organizations.
- Conducts full spectrum operations (FSO) planning and coordination within the SPO section to synchronize SRC 12 HR support organizations attached, assigned, and supported within the ESC's AO.
- Receives technical guidance from the Human Resources Sustainment Center (HRSC) and operational guidance from mission command channels. This guidance is passed to subordinate HROBs (SRC 63) in the ESC and SBs, and then ultimately to the SRC 12 HR organizations to execute casualty, PA, and postal support.



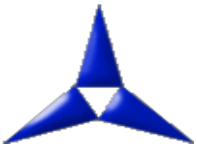


# MMB

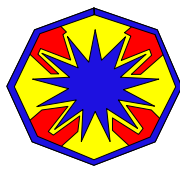


- Maintains staff supervision over all materiel managers and movement controllers.
- Maintains accountability and visibility of materiel, supplies and services.
- Forecasts stockage levels to meet operational requirements.
- Eliminates excess through redistribution; cross-levels materiel to ensure availability to meet operational requirements.
- Executes supply, ammunition, logistics services and maintenance policies within the operating area.
- Provides oversight to the Supply, Fuel, Water, and Maintenance sections per organizational requirements or as required for specific mission.



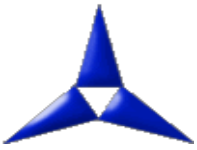


# MMB

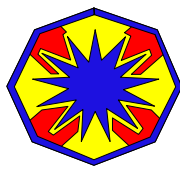


- Receive, prioritize, and support requested unit sustainment mission requirements.
- Leverage all available support capacity - tactical, installation and Army Materiel Command - against requirements.
- Provide trend analysis IOT to identify and predict systemic maintenance and supply issues across III Corps (or assigned/attached Higher HQ) as required.
- Improves Fleet Readiness and asset visibility through collaboration and synchronization of materiel management efforts.
- Develop Appropriate Working Groups to address ongoing maintenance and control of fleet readiness issues and drivers across the Corps (i.e., SSA WG, Corps Materiel Management WG, and Asset Visibility WG).



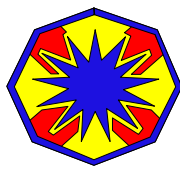
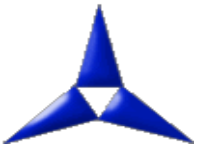


# MRB



- The materiel readiness branch (MRB) provides staff supervision over maintenance issues impacting force readiness.
- Determines requirements and manages the maintenance capabilities for supported units of the command.
- Within the MRB, the ground maintenance section, electronic maintenance section, and aviation maintenance section conduct theater maintenance trend analysis.
- Identifies equipment maintenance issues and coordinates resolution with appropriate elements of the TSC/ESC, ASCC, and Army Materiel Command (AMC).

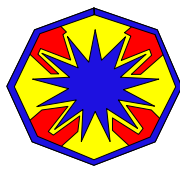
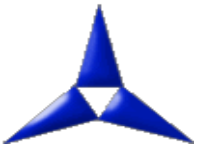




# Munitions

- Munitions Branch determines munitions requirements, manages supply capability and conducts materiel management for supported units of the command.
- Advises the DMC chief and Support Operations Officer on the capability to provide munitions support for the proposed and actual combat operations.
- Initiates and executes orders governing Munitions support.
- Coordinates with the TSC Ammunition Section to address issues of ammunition production, authorization, and allocation to the AO.
- Coordinates with the AMC LSE on issues of ammunition production and availability.
- Supervises long term munitions projects such as ASP construction or closure.

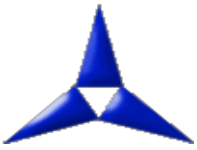




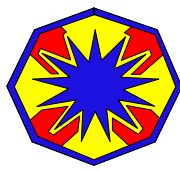
# Munitions

- ICW the senior QASAS in the AO, leads inspection team to ammunition supply point (ASPs) and ammunition temporary holding point (ATHPs) as required.
- Supervises munitions statistical analysis of projects such as ammunition basic load (ABL) review, ASP stockage objectives, and controlled supply rates (CSRs)
- Ensures the sustainability of supported units Class V requirements through planning and coordination
- Prepares orders related to munitions for review and approval by the Chief, Munitions Branch.
- Coordinates internally with other SPO sections for the onward movement of ammunition. (This task may be delegated to a Senior Non-Commissioned Officer to serve as the Munitions Representative on the JDB





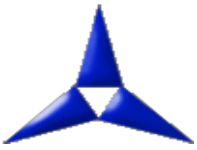
# Supply & Services



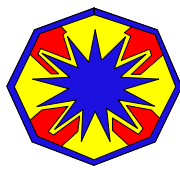
- The Supply Branch provides staff supervision over all supply operations except Class III, Class V and Class VIII. (Assist with Class VIII in future)
- Supply Branch performs materiel management of supply (subsistence, general supplies, construction material, and repair parts) for a designated area of responsibility.





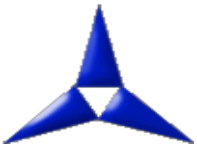


# Field Services

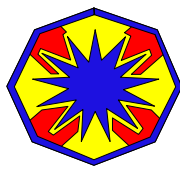


- The Field Services Branch provides staff supervision over all field service operations.
- Supply Branch performs service management of supply (field feeding, mortuary affairs, shower/laundry) for a designated area of responsibility.

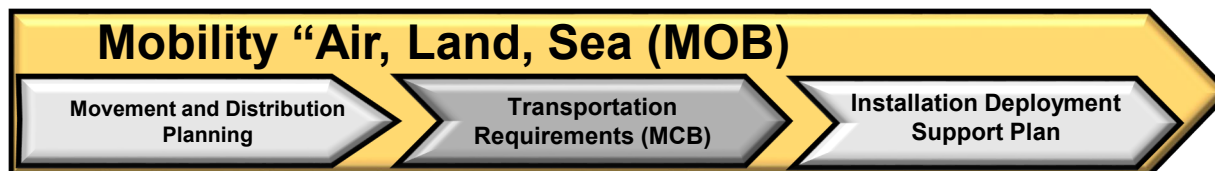


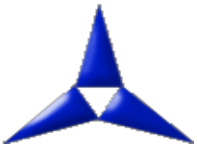


# Mobility Branch

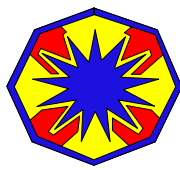


- The mobility branch, comprised of an air, land, and sea section, provide staff supervision of all allocated transportation assets and coordinates directly with the movement control battalion (MCB) assigned to either the TSC or ESC.
- The MCB coordinates all movement in the theater.
- Coordinates with joint and strategic partners (i.e. Joint deployment distribution operations center [JDDOC] and the Military Surface Deployment and Distribution Command [SDDC]) in order to synchronize intertheater and intratheater deployment and distribution efforts.
- Optimize intratheater distribution by employing all transportation modes available in theater.



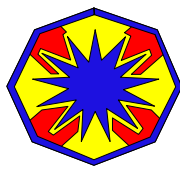
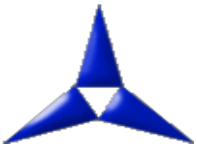


# OCS



- Provides contractor management advice and planning assistance to senior commanders, in close coordination with the supporting AFSB.
- Identifies critical shortfalls as recommended priorities for contract support.
- Enforces theater contracting guidance established by the Army Services Component Command (ASCC) and supported combatant commander.
- Maintains situation awareness of contracting operations in the area of operations.

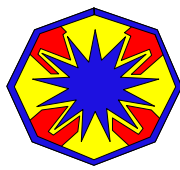
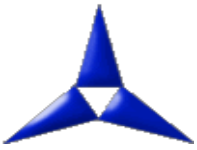




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# **Military Logistics.....**

## **First In, Last Out**



# Contact Info

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