ICODES/SSDM

Mr. Lance Mabee

22 October 2018
WHAT IS ICODES?

• ICODES is a fully integrated information system that provides multi-modal load planning and unit move capabilities to the Department of Defense (DOD) Agencies and Services.

• The combined functionality of ship, air, truck, rail, yard, and unit move planning services provides commanders, planners, and operators with a single platform capable of producing and evaluating load plans, unit move documentation and alternative actions for various sized units, employing various modes of transportation, in support of peacetime or wartime operations.
ICODES PROGRAM OFFICE SUPPORT

- Develop and manage Automated Transportation Planning Capabilities for air, rail, ship, yards, and unit move planning.

- Develop and manage Integrated Mobile Computing Capabilities.

- Supports a stand-alone disconnected desktop and a web-based enterprise configurations.

- Provide a real-time collaborative planning environment.

- Supports over 20,000 registered users.
ICODES - SINGLE LOAD PLANNING CAPABILITY

Ship Domain

Air Domain

Rail Domain

Yard Domain
SEA SERVICE DEPLOYMENT MODULE (SSDM)

• SSDM is an application within Surface Deployment and Distribution Command (SDDC) Joint Program ICODES that is developed to provide the Sea Services with a Unit Move Capability.

• **Background**
  • The MAGTF Deployment Support System II or MDSS II, is approaching its end of service.
  • The Sea Services require a unit move IT system to support their non-self deployable forces in order to utilize TRANSCOM movement assets through the Joint Operation Planning and Execution System (JOPES) process.
SSDM KEY DESIGN CONCEPTS

• Create a system to assist users when planning, conducting, and executing complex processes associated with Force Deployment Planning and Execution (FDP&E) and simplify the use of the Defense Transportation System (DTS) to complete complicated tasks.

  • **Translation** – Codes to English/English to Codes.
  • **Collaboration** – The lower unit levels focus on unit tasks, higher levels focus on more complex tasks.
  • **Guidance** – Informs the user what needs to be done based on the characteristics of the cargo or PAX being moved (i.e. documentation).
  • **Supervision** – Higher units can inform lower units of key information and tasks that need to be completed (supervising movement documentation creation, disseminating movement schedules, etc.)
  • **Interfacing** – Providing information from other systems that informs users with key information, not just more data that requires synthesis.
SSDM KEY FUNCTIONALITY

- **Build Unit Deployment Lists**
  - Interfaces with systems to support determining cargo and PAX lift requirements.
    - Joint Forces Requirements Generator (JFRG) – to receive MAGTF requirement.
    - Supply Systems – to determine ground supplies/equipment in unit inventory Via GCSS-MC.
    - SSDM presents previously executed capability sets that have been moved and saved for future reference.

- **Request Transportation**
  - Interfaces with systems to create movement requests.
    - Joint Forces Requirements Generator (JFRG) – to submit TPFDD data.
    - SAAM Request System (SRS) to request AMC airlift (Future interface).
    - Integrated Booking System (IBS) to request Commercial Liner transportation.
    - Transportation Capacity Planning Tool (TCPT) – to request ground transportation.

- **Create Movement Documentation**
  - Creates required movement documentation per the Defense Transportation Regulations.
  - Transmits ITV data to the National ITV Server.

- **Track Movements**
  - Interfaces with USTC systems to find transportation schedules via IBS and IGC.
  - Interfaces with N-ITV server to support visibility of nodal tracking through expected transportation routes.
SSDM FUNCTIONALITY

• Documentation Creation

• ETRR Transmission to IBS Interface

• SSDM Hierarchy

• SSDM Interfaces
DOCUMENTATION CREATION
Request Documentation

- Draft Load Plan
- Hazardous Diplomatic Clearance Worksheet (HAZ DIP)
- Requisition & Invoice/Shipping Document (DD-1149)
- Export Traffic Release Request (ETRR)
- SAAM or JCS Exercise Airlift Request (DD-1249)
- Transportation Movement Request (TMR)
- Transportation Control Movement Document (TCMD, DD-1384)
EXECUTION DOCUMENTATION

Execution Documentation

- Cargo Manifest (DD-1385)
- Container Packing Certificate or Vehicle Packing Declaration (DD-2781)
- DoD Multi-Modal Dangerous Goods Declaration (DD-2890)
- Final Load Plan
- Joint Inspection Checklist (DD-2133)
- Military Shipping Label (MSL)
- Packing List (DA 5748-R)
- Pallet Identifier (DD-2775)
- PAX Manifest (DD-2131)
- Radio Frequency In-Transit Visibility TIP Files (RF-ITV TIP)
- Requisition & Invoice/Shipping Document (DD-1149)
- Shipper's Declaration for Dangerous Goods (SDDG)
- Signature and Tally Record (DD-1907)
- Special Handling Data/Certification (DD-1387-2)
- Transportation Control Movement Document (TCMD, DD-1384)
- U.S. Military Agriculture and Customs Preclearance Program (DD-2855)
HAZDIP

Hazardous Cargo Aircraft Clearance Request

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POC DBN PHONE: [Contact Information]
POC EMAIL: [Contact Information]
Comments: [Additional comments]

UNCLASSIFIED
HAZDIP

MILITARY SURFACE DEPLOYMENT & DISTRIBUTION COMMAND

TRUSTED PROFESSIONALS...DELIVERING READINESS AND LETHALITY!
EXPORT TRAFFIC RELEASE REQUESTS (ETRR) TRANSMISSION TO IBS INTERFACE
## MILITARY SURFACE DEPLOYMENT & DISTRIBUTION COMMAND

**ETRR**

### UNCLASSIFIED

**Export Traffic Release Request (ETRR)**

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**SHIPMENT UNIT INFORMATION**

**ACCESSORIAL CODES**
ETRR

Manager Export Traffic Release Requests (ETRRs)

ETRR & ETR Attributes

Number Of Items | Required Delivery Date | Delivery Information To Center | PCLN | ETR Type | Last Transmittion Date

30-Mar-2019

ETRR Attributes

ETRR Type | Submitted Date

Email bulk

1 of 1 rows, 1 of 1 items selected | Showing 1 of 1 items
SSDM HIERARCHY
# SSDM Hierarchy

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SSDM HIERARCHY
SSDM INTERFACES
SSDM INTERFACE FLOW

Key:
- **USMC**
- **Navy**
- **Joint**

- **Input**
- **Data Exchange**

**Unit Move Systems**
- MDSSII
- TCAIMS II

**Supply/Inventory Systems**
- GCSS-MC
- LAMS
- LPT (Future Interface)

**Operational Planning System**
- JFRG

**Reference Data Resource Systems**
- JECD
- TRDM
- TFSMS

**Prepositioning Programs**
- MCPIC

**Transportation Request Programs**
- IBS
- TCPT
- GATES
- SRS (Future Interface)

**Hardware**
- RFID Tags
- Label Printers

**ITV/Manifest/Tracking Programs**
- GATES
- IGC
- MCTFS (Future Interface)
DEMO

https://icodesgs.staging.sddc.army.mil/
QUESTIONS?