SDDC

MILITARY SURFACE **DEPLOYMENT** & DISTRIBUTION **COMMAND**

SURFACE WARRIORS

SDDC MOVES AND SUSTAINS FORCES AND MATERIEL ACROSS THE NATION AND AROUND THE GLOBE.

ICODES/SSDM

Mr. Lance Mabee

22 October 2018

WE ARE THE U.S. ARMY SERVICE COMPONENT COMMAND OF THE U.S. TRANSPORTATION COMMAND AND A MAJOR SUBORDINATE COMMAND OF THE U.S. ARMY MATERIEL COMMAND

TRUSTED PROFESSIONALS...DELIVERING READINESS AND LETHALITY!
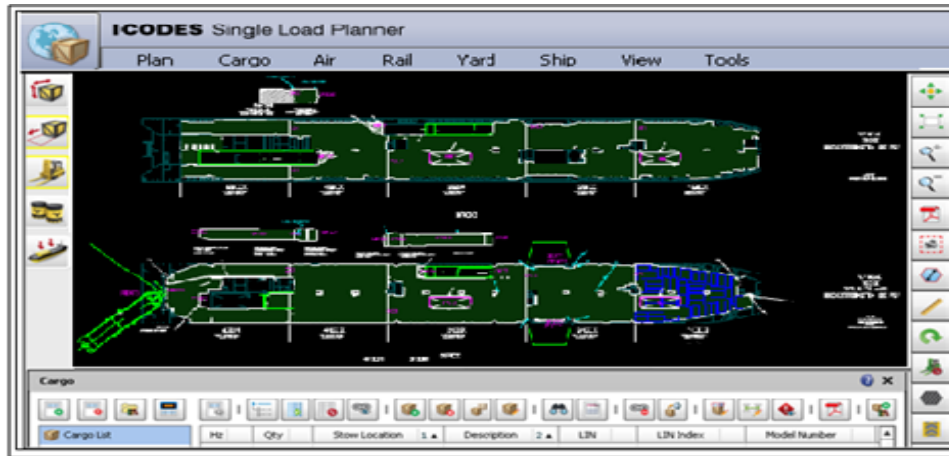
WHAT IS ICODES?

- 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.

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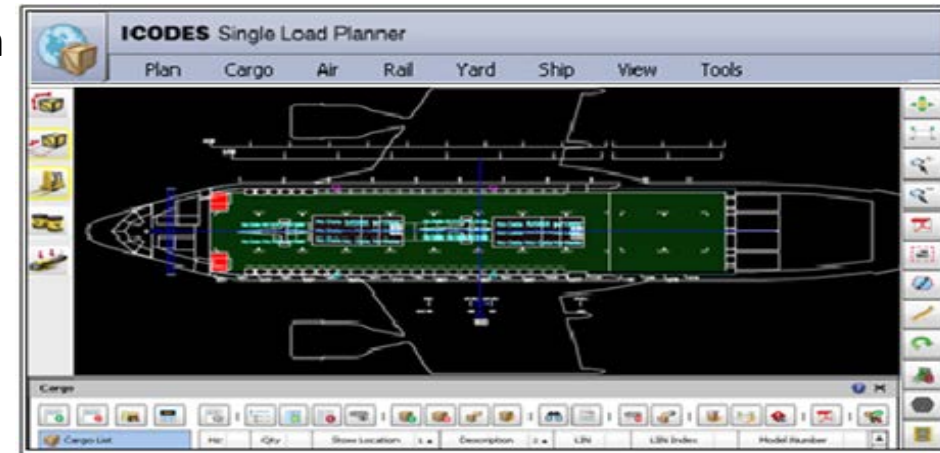
ICODES PROGRAM OFFICE SUPPORT

- 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.

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SURFACE WARRIORS

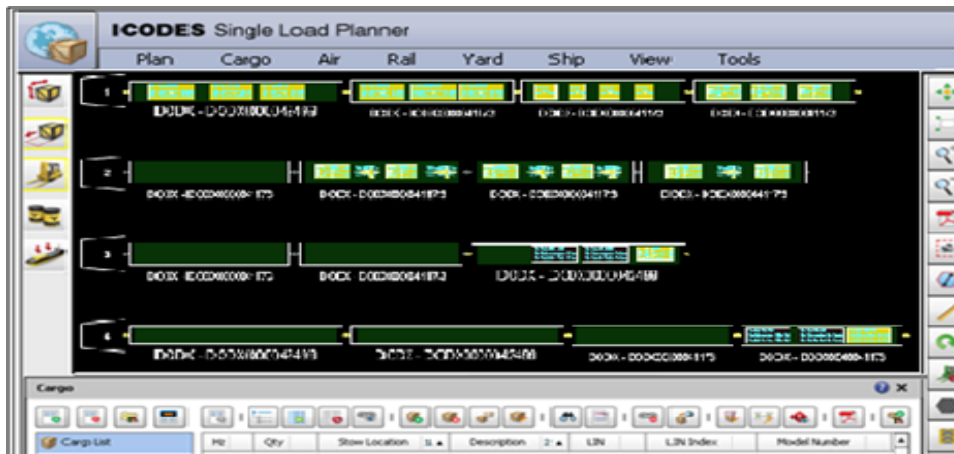# ICODES – SINGLE LOAD PLANNING CAPABILITY
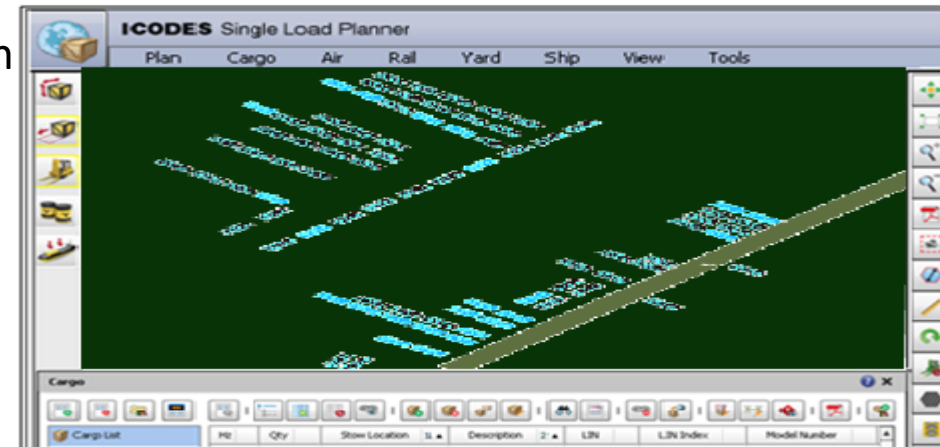
Ship Domain

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 <u>planning, conducting, and executing complex processes</u> 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.)
  - I**nterfacing –** 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

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DOCUMENTATION CREATION

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SURFACE WARRIORS

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)

DOCUMENTATION CREATION

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 Diplomatic Clearance Worksheet (HAZ DIP)

UDL

| Cargo ▼ | Select ▼ | View ▼ | Expand ▼ | Collapse ▼ |

Group		Hz	Qty	Weight (lb) 1▲	Gross Weight (lb) 2▲
		1	1	3400	3400
	⊞ 3		1	6400	6400
▼ R-2	⊞ 2		1	6400	6400
└☐	⊟ 2		1	6400	6400

UN Code 1▲	Class 2▲	Division	Compatibility Group	Proper Shipping Name	Pack Group	Packing Paragraph	Hazardous Weight (lb)
UN2789	8			ACETIC ACID, GLACIAL	II		0
UN3316	9			FIRST AID KITS	II		0

Group		Hz	Qty	Weight (lb)	Gross Weight (lb)
☐					
▼ R-2	⊞ 2		1	7410	7410

Search   1 of 6 rows, 1 of 6 items selected | Showing 6 of 6 item(s)

Form

POC DSN PHONE:
POC EMAIL:
Comments: Lance Smoke Test Event

HAZARDOUS CARGO AIRCRAFT CLEARANCE REQUEST

Proper Shipping Name	See NOTE 4 & 5 General Description	UN #	See NOTE 1 Pieces or Packages	Weight in Pounds	See NOTE 3 Weight in Kilograms	See NOTE 3 N.E.W. in Kilograms	Class and Div	See NOTE 6 Manufacture Date/ Lot #	See NOTE 6 Expiration Date/ Lot #	See NOTE 2 Onload ICAO	See NOTE 2 Offload ICAO
ACETIC ACID, GLACIAL		UN27	1	6400	2903	0	8			KNKT	KNYL
FIRST AID KITS		UN33	1	6400	2903	0	9			KNKT	KNYL
ACETYL CHLORIDE		UN17	1	6400	2903	0	3			KNKT	KNYL
FIRST AID KITS		UN33	1	7410	3362	0	9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN27	1	7410	3362	0	8			KNKT	KNYL
FIRST AID KITS		UN33	1	7410	3362	0	9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN27	1	7410	3362	0	8			KNKT	KNYL
ACETIC ACID, GLACIAL		UN27	1	6400	2903	0	8			KNKT	KNYL
FIRST AID KITS		UN33	1	6400	2903	0	9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN27	1	6400	2903	0	8			KNKT	KNYL
FIRST AID KITS		UN33	1	6400	2903	0	9			KNKT	KNYL

Form Field Assistant

Proper Shipping Name:

ACETIC ACID, GLACIAL   [Search]

UN Number:

UN2789

Hazard Class and Division:

8

[Apply to Form]   [Reset]

[Close]

HAZDIP

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SURFACE WARRIORS

EXPORT TRAFFIC RELEASE REQUESTS (ETRR) TRANSMISSION TO IBS INTERFACE

ETRR

ETRR

Manage Export Traffic Release Requests (ETRRs)

| Combined | ETRRs | ETRs |

ETRR ▼ | Save Report As ... ▼

- Retrieve Existing ETRR/ETR
- Transmit Selected Document(s)...
- Download Selected Document(s)...
- Delete Selected Document(s)

	ETRR & ETR Attributes				ETRR Attributes	
Number Of Vans	Required Delivery Date	Delivery Information To Carrier	PCFN	ETRR Type	Submitted Date	Last Transmission Date
	30-Nov-2019			Break bulk		

Search | 1 of 1 rows, 1 of 1 items selected | Showing 1 of 1 item(s)

EXPORT TRAFFIC RELEASE REQUEST

SPOT DATES

REQUESTER INFORMATION

SHIPPER INFORMATION

OK | Cancel

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SSDM HIERARCHY

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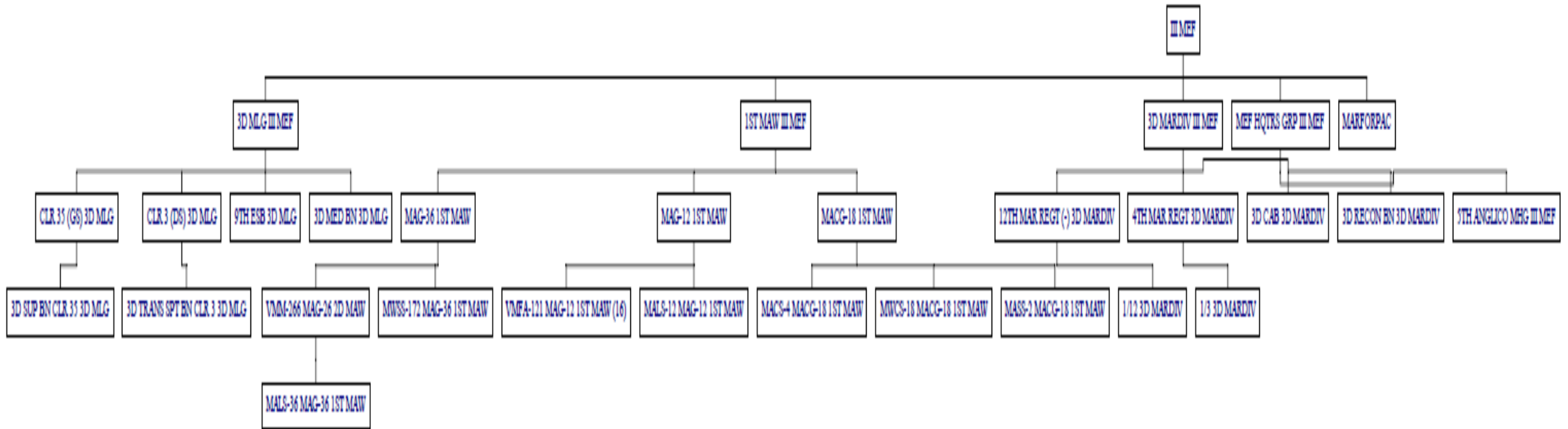
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SSDM HIERARCHY

Units	Cost Estimates	1▲	JFRG Interface	2▲	Submit Cargo Manifest	Submit Commercial Liner	Submit Ground Transport	Submit ITV	Submit Organic Air	Submit PAX Manifest
⊟ ★ III MEF	Yes		Yes		Yes	Yes	Yes	Yes	Yes	Yes
├⊟ 1ST MAW III MEF							Yes	Yes		Yes
│ ├⊟ MACG-18 1ST MAW							Yes	Yes		
│ │ ├☐ MASS-2 MACG-18 1ST MAW							Yes			
│ │ ├☐ MACS-4 MACG-18 1ST MAW							Yes			
│ │ └☐ MWCS-18 MACG-18 1ST MAW							Yes			
│ ├⊟ MAG-36 1ST MAW							Yes	Yes		
│ │ ├⊟ VMM-266 MAG-26 2D MAW							Yes			
│ │ │ └☐ MALS-36 MAG-36 1ST MAW							Yes			
│ │ └☐ MWSS-172 MAG-36 1ST MAW							Yes			
│ └⊟ MAG-12 1ST MAW							Yes	Yes		Yes
│ ├⊟ VMFA-121 MAG-12 1ST MAW (16)							Yes			
│ └☐ MALS-12 MAG-12 1ST MAW							Yes			
├⊟ MEF HQTRS GRP III MEF							Yes			
│ └☐ 5TH ANGLICO MHG III MEF							Yes			
├⊟ 3D MLG III MEF							Yes	Yes		Yes
│ ├⊟ CLR 3 (DS) 3D MLG							Yes			
│ │ └☐ 3D TRANS SPT BN CLR 3 3D MLG							Yes			
│ ├☐ 3D MED BN 3D MLG							Yes			
│ ├☐ 9TH ESB 3D MLG							Yes			
│ └⊟ CLR 35 (GS) 3D MLG							Yes			
│ └☐ 3D SUP BN CLR 35 3D MLG							Yes			
├☐ MARFORPAC							Yes			
└⊟ 3D MARDIV III MEF						Yes	Yes	Yes		Yes
├☐ 3D RECON BN 3D MARDIV						Yes	Yes			
├☐ 3D CAB 3D MARDIV							Yes			
├⊟ 12TH MAR REGT (-) 3D MARDIV						Yes	Yes	Yes		
│ └☐ 1/12 3D MARDIV							Yes			
├⊟ 4TH MAR REGT 3D MARDIV						Yes	Yes	Yes		Yes
└☐ 1/3 3D MARDIV						Yes	Yes			Yes

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SURFACE WARRIORS

SSDM HIERARCHY

SSDM INTERFACES

MILITARY SURFACE DEPLOYMENT & DISTRIBUTION COMMAND

SURFACE WARRIORS

SSDM INTERFACE FLOW

Unit Move Systems
- MDSSII
- TCAIMS II

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

Operational Planning System
- JFRG

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

ITV/Manifest/Tracking Programs
- GATES
- IGC
- National ITV Server
- MCTFS (Future Interface)

SSDM
- ICODES SLP

Reference Data Resource Systems
- JECD
- TRDM
- TFSMS

Prepositioning Programs
- MCPIC

Hardware
- RFID Tags
- Label Printers

Key:
USMC (green)	→ Input
Navy (light blue)	↔ Data Exchange
Joint (purple)	

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DEMO

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

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QUESTIONS ?