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MILITARY SURFACE DEPLOYMENT & DISTRIBUTION COMMAND

SURFACE WARRIORS

SDDC

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



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WHAT IS ICODES?

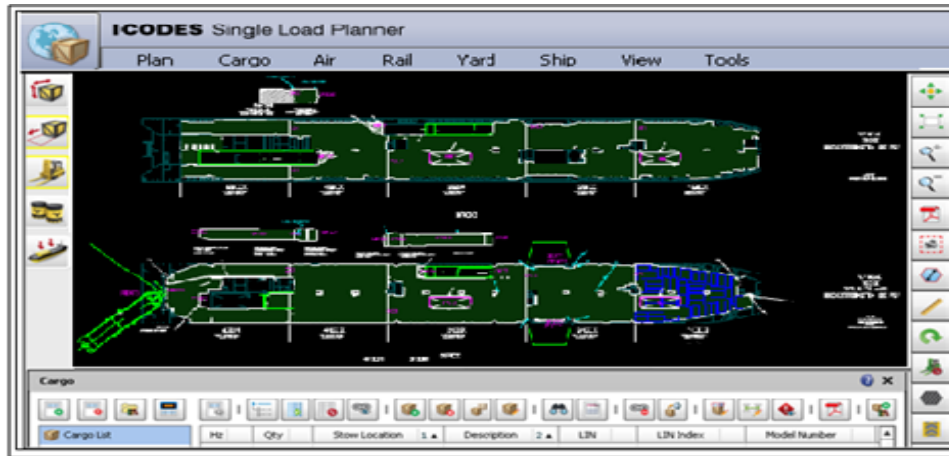
- ICODES is a fully integrated information system that provides multi-modal load planning and unit move capabilities to the Department of Defense (DOD) Agencies and Services.
- The combined functionality of ship, air, truck, rail, yard, and unit move planning services provides commanders, planners, and 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

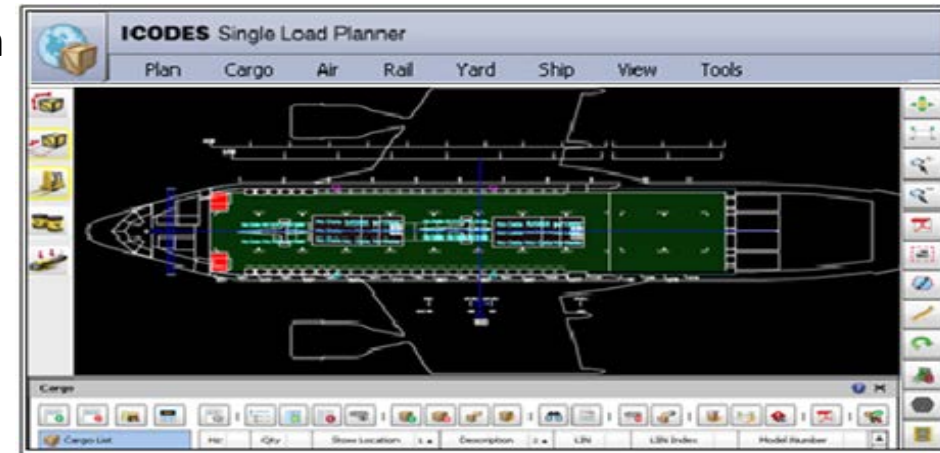
- Develop and manage Automated Transportation Planning Capabilities for air, rail, ship, yards, and unit move planning.
- Develop and manage Integrated Mobile Computing Capabilities.
- Supports a stand-alone disconnected desktop and a web-based enterprise configurations.
- Provide a real-time collaborative planning environment.
- Supports over 20,000 registered users.

ICODES - SINGLE LOAD PLANNING CAPABILITY

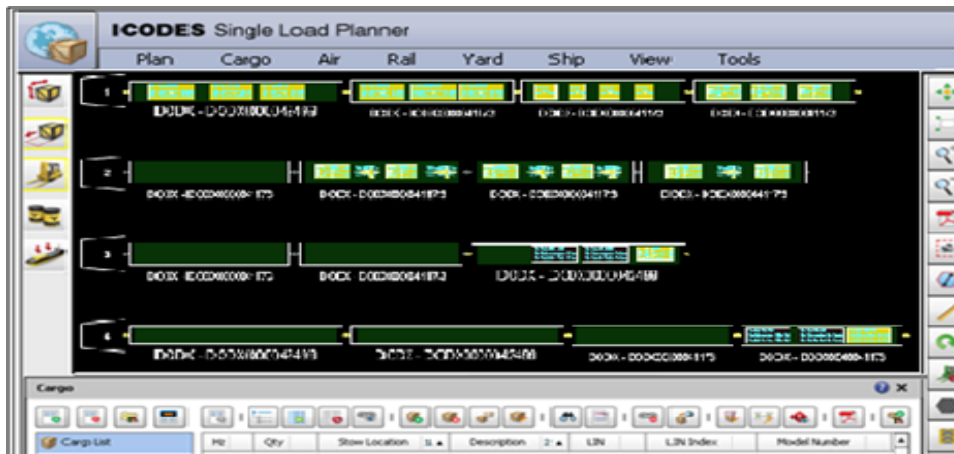
Ship Domain



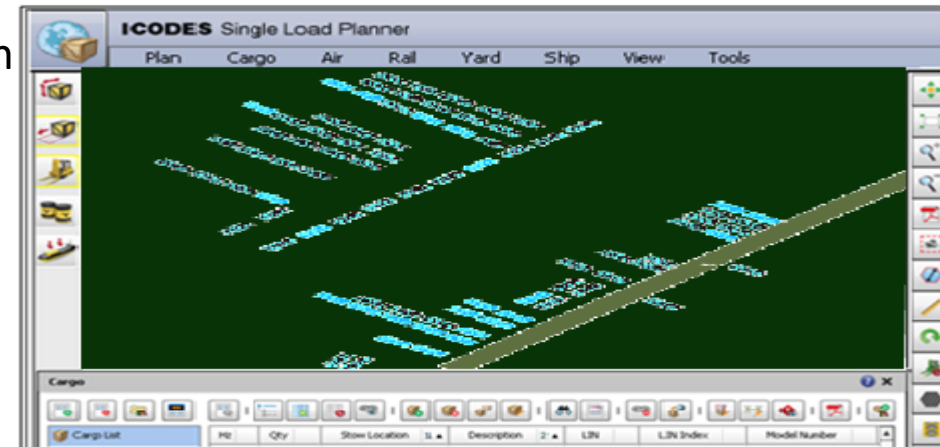
Air Domain



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 (JOPEX) 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



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

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Hazardous Diplomatic Clearance Worksheet (HAZ DIP)

UDL

Cargo Select View Expand Collapse

Group	H2	Qty	Weight (lb)	1	Gross Weight (lb)	2
R-2	3	1	3400		3400	
	2	1	6400		6400	
	2	1	6400		6400	
	2	1	6400		6400	
R-2	2	1	7410		7410	

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

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

Form Field Assistant

Proper Shipping Name:
ACETIC ACID, GLACIAL Search

UN Number:
UN2789

Hazard Class and Division:
8

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

Apply to Form Reset

Close



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HAZDIP

document

FILEHOMEINSERTPAGE LAYOUTFORMULASDATA REVIEWVIEW

SECURITY WARNING Application add-ins have been disabled. Enable Content

G53

618th Tanker Airlift Control Center

International Clearance Branch

618 TACC/KOCZD

COMM: (618) 229-2008 (DSN: 779)

Scott Air Force Base, Illinois 62225

Purpose:

Coordinate ORGANIC aircraft clearance requests for missions with hazardous cargo.

Instruction:

1. This worksheet **MUST** be filled out **COMPLETELY** in order for the International Clearance Branch to coordinate diplomatic clearances.

2. Refer to the Foreign Clearance Guide for lead time requirements (Take into account countries that must be overflown to get to destination).

3. Mission identification **MUST** be the **ORIGINATING** mission number, not the mission identification number at the point of onload.

4. Submit this worksheet **NLT** two days **PRIOR** to the longest country lead time; take into account weekends and US/foreign holidays.

5. Flying organizations submitting TACC Service Requests with hazardous cargo must attach a copy of this worksheet directly to the Service Request in DCAP.

NOTE 1 FOR AMMUNITION, FLARES, ETC., Pieces = number of boxes, not units (e.g. 5 boxes, not 2500 rounds);

NOTE 2 Use four letter ICAO for onload and offload (e.g. Incirlik AB = LTAG)

NOTE 3 Bahrain & UAE require hazardous cargo items be detailed by the piece and identify the weight in kilograms. Each item must be listed separately. (e.g. If you have a package of 10 batteries, the weight of the box in kilograms must be identified on this form)

NOTE 4 For Iraq, UK, and Ireland, fill out "General Description" of hazardous cargo. (esample: F16 Engine, Generator, Humvee, etc.)

NOTE 5 Munitions of war must be reported to the United Kingdom, Ireland, Sweden, and Iraq. Identify those items in the "General Description" column. (esamples: guns, gun barrels, tank, helicopter, etc.);

NOTE 6 Required for Class 1 cargo destined for any airfield in the UAE or overflight of UAE

For Official Use Only

Originating Mission Number:

Aircraft Call Sign:

Unit: USMC

POC NAME:

POC DSN PHONE:

POC EMAIL:

COMMENTS: Lance Smoke Test Event

HAZARDOUS CARGO AIRCRAFT AND MUNITIONS OF WAR CLEARANCE REQUEST

Proper Shipping Name	General Description	UN #	Pieces or Packages	Weight in Pounds	Weight in Kilograms	N.E.W. in Kilograms	Class and Div	Manufacture Date Lot #	Expiration Date	Onload ICAO	Offload ICAO
ACETIC ACID, GLACIAL		UN2789	1	6,400	2,903		8			KNKT	KNYL
FIRST AID KITS		UN3316	1	6,400	2,903		9			KNKT	KNYL
ACETYL CHLORIDE		UN1717	1	6,400	2,903		3			KNKT	KNYL
FIRST AID KITS		UN3316	1	7,410	3,361		9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN2789	1	7,410	3,361		8			KNKT	KNYL
FIRST AID KITS		UN3316	1	7,410	3,361		9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN2789	1	7,410	3,361		8			KNKT	KNYL
ACETIC ACID, GLACIAL		UN2789	1	6,400	2,903		8			KNKT	KNYL
FIRST AID KITS		UN3316	1	6,400	2,903		9			KNKT	KNYL
ACETIC ACID, GLACIAL		UN2789	1	6,400	2,903		8			KNKT	KNYL
FIRST AID KITS		UN3316	1	6,400	2,903		9			KNKT	KNYL

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EXPORT TRAFFIC RELEASE REQUESTS (ETRR) TRANSMISSION TO IBS INTERFACE





MILITARY SURFACE DEPLOYMENT & DISTRIBUTION COMMAND

SURFACE
WARRIORS

ETRR

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Export Traffic Release Request (ETRR)

UDL

Add/Remove ▼ Auto-Assign/Generate ▼ Select ▼

Group	Hx	Qty	Assignment	Category	Cargo Type	Serial Number	Description	Model Number	Height (in)	Length (in)	Width (in)	Weight (lb)
	1	1	ICODES-AUG2418...	Break bulk Heav...	Vehicle	884888	TRUCK, UTILITY: ...	M1151A1	70	200	100	15500
	1	1	ICODES-AUG2418...	Break bulk Heav...	Vehicle	748544	TRUCK, UTILITY: ...	M1151A1	70	200	100	15500
	1	1	ICODES-AUG2418...	Break bulk Heav...	Vehicle	415585	TRUCK, UTILITY: ...	M1151A1	70	200	100	15500
		3 grand tot.							210 grand tot.	600 grand tot.	300 grand tot.	46500 grand tot.

3 of 3 rows, 3 of 3 items selected | Showing 3 of 3 item(s)

ETRRs

Add/Remove ETRR ▼ Clone ETRR ▼ Select ▼ Save Selected ETRR(s) Revert Selected ETRR(s)

Document Identifier	Booking Status	PCFN	ETRR Type	Category	Number Of TCNs	Number Of Vans	Required Delivery Date	Receiver
ICODES-AUG2418-05TJ9			Breakbulk	Breakbulk Heavy Vehicle	3		02-Mar-2018	

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

Form

SHIPMENT UNIT INFORMATION

TCN: UUSMC\$\$\$000040XX HAZARD INDICATOR ☐ OUTSIZE INDICATOR ☒ ACCESSORIAL INDICATOR ☐ PAGE 3 OF 5

MODEL NUMBER: M1151A1 SERIAL NUMBER: 884888

CARGO DESCRIPTION: TRUCK, UTILITY: EXPANDED CAPACITY ARMT CARRIER

COMMODITY CODE: 867

TYPE CODE: Z

HANDLING CODE: I

TYPE PACK CODE: VE

LENGTH	WIDTH	HEIGHT	WEIGHT	MTONS	CUBE
200	100	70	15500		810

ITEM DESCRIPTION: ACCESSORIAL CODES

Form Field Assistant

Commodity Code: 867 Search

Apply to Form Reset

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SURFACE WARRIORS

ETRR

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SSDM HIERARCHY



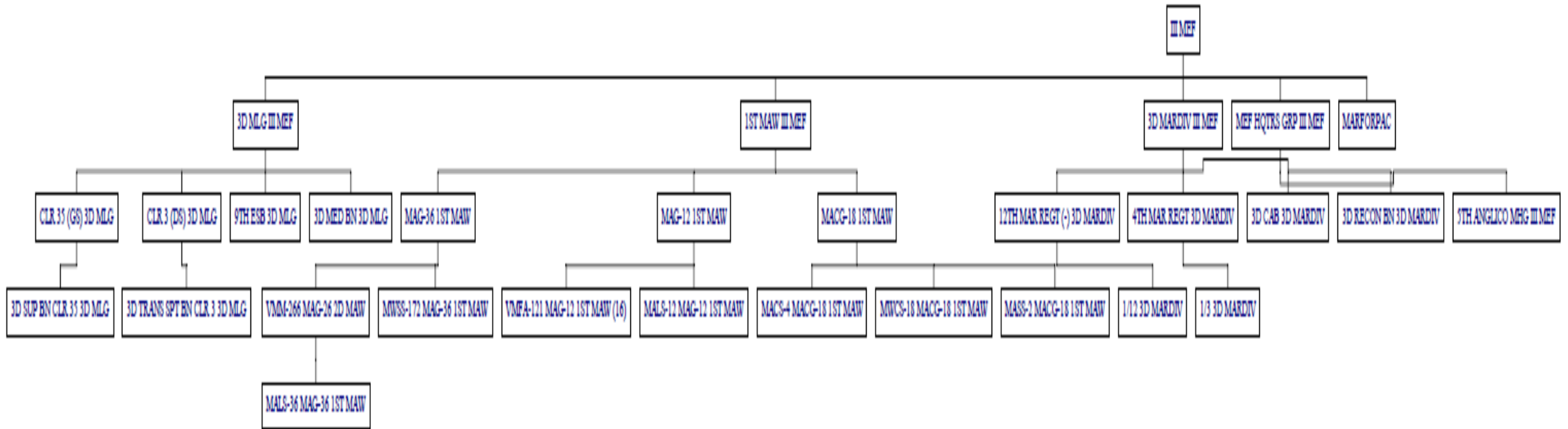


SSDM HIERARCHY

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
1ST MAW III MEF								Yes	Yes		Yes
MACG-18 1ST MAW								Yes	Yes		
MASS-2 MAC G-18 1ST MAW								Yes			
MACS-4 MAC G-18 1ST MAW								Yes			
MWCS-18 MAC G-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 H QTRS 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



SSDM HIERARCHY

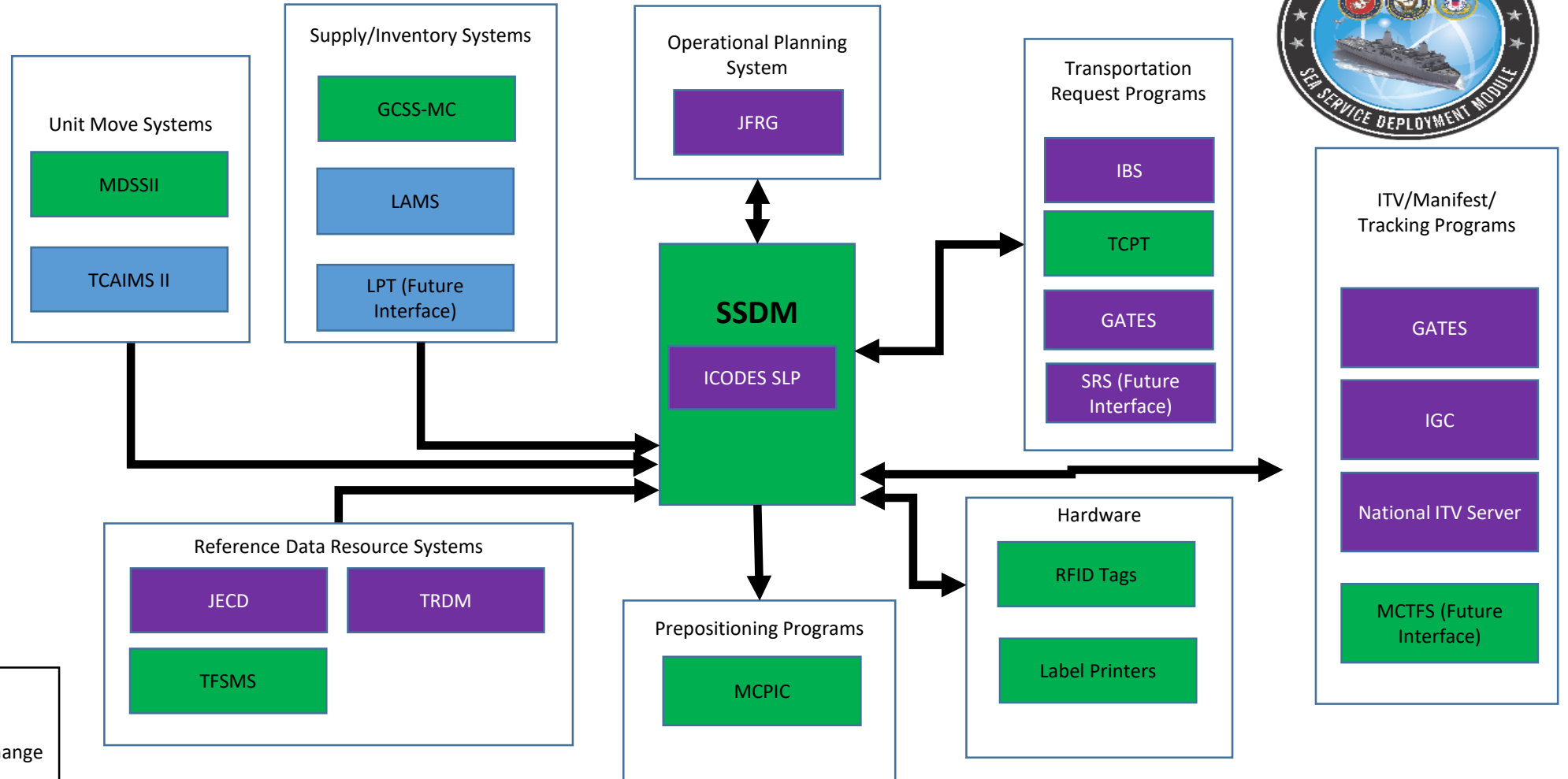




SSDM INTERFACES



SSDM INTERFACE FLOW





DEMO

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





QUESTIONS ?

