



*Joint Intermodal Working Group (JIWG)
Standards Committee*

Joint Standardization Board for Intermodal Equipment

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Agenda

1. What is the Joint Intermodal Working Group (JIWG)
2. What is the JIWG Standards Committee / Joint Standardization Board for Intermodal Equipment (JSB IE)
3. JSB IE MIL-STD development efforts
4. Joint Standardization Board issues
5. Status
6. Way Ahead

Joint Intermodal Working Group (JIWG)

- **Authorities:**

- JIWG is lead organization under USTRANSCOM/DPO for joint modular intermodal container/platform standards, system development, & policy coordination
- Honorable Kenneth Krieg - The Undersecretary of Defense for Acquisition, Technology and Logistics– 3 Feb 06 letter of authorization

- **Composition:**

- Membership (voting): USTC (chair), Joint Staff/J4, Services, & DLA
- Advisors (non-voting): OADUSD(TP), SDDC/AMC, Joint Munitions Command, Defense Packaging Policy Group & Defense Standardization Program Office
- COCOMs, other DOD/government & industry by invitation

- **JIWG Mission:**

- Facilitate & manage intermodal equipment initiatives
- Establish DOD standards; enhance integration & interoperability
- Define joint doctrine, tactics, techniques & procedures; recommend DOD policy to improve E2E distribution effectiveness & efficiency
- Develop solutions to intermodal equipment problems & issues

JIWG Scope

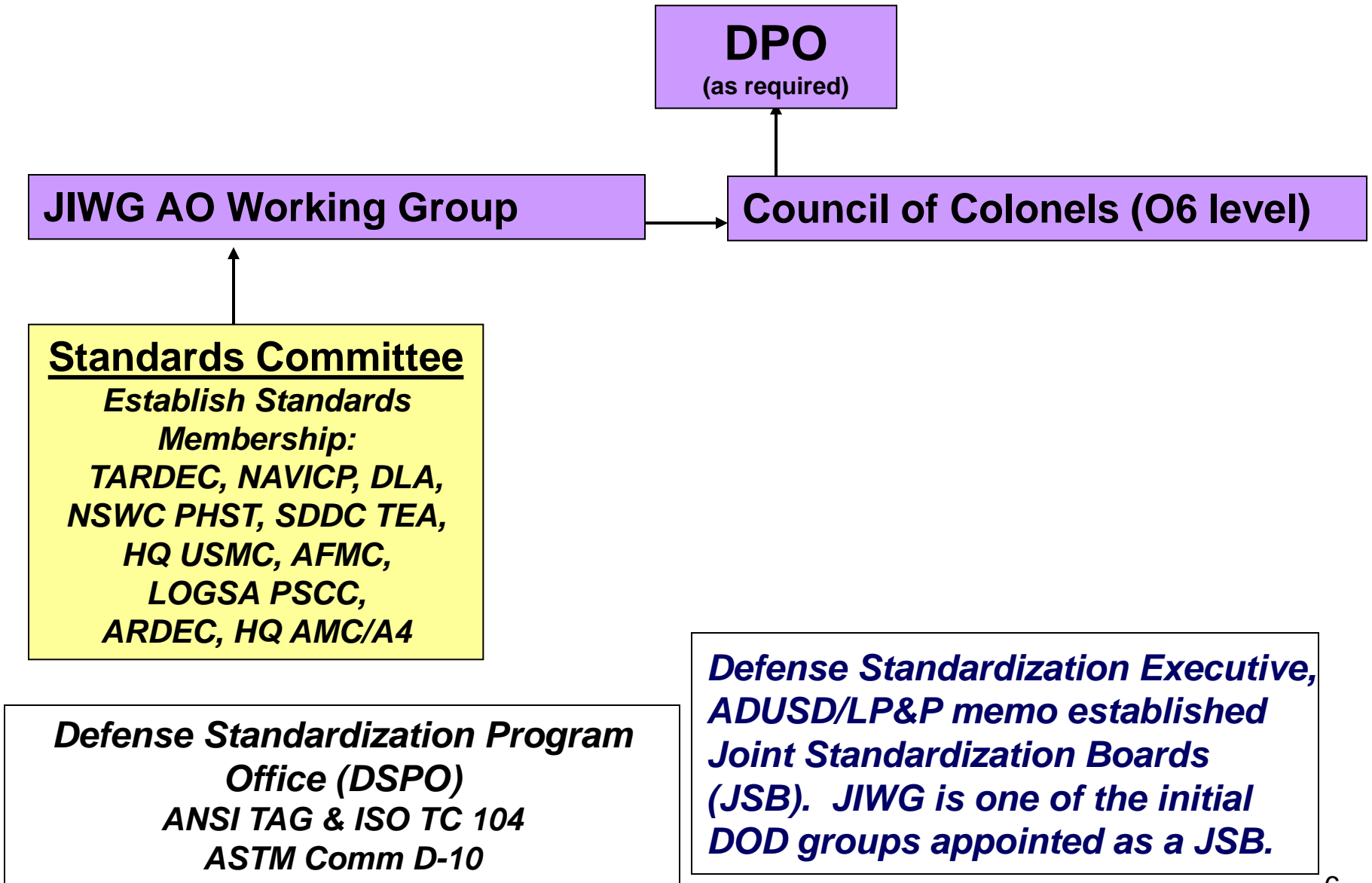
Assets, infrastructure, equipment, systems, procedures & processes for E2E logistic support

- **New equipment:**
 - Size/dimensions & physical characteristics
 - Coding, marking, & identification
 - Handling, lift fittings, & locking devices
 - Safety/material condition standards
- **Information Technology**
 - AIT/RFID & asset management/visibility systems
 - Data standardization & information requirements
- **Policy & doctrine, tactics, techniques & procedures**
- **Joint/DOD terminology & definitions**
- **Studies**

JIWG Standardization Goals

- **Engage industry partners: air, surface, ocean, intermodal, retail, etc.**
 - Intermodal Association of North America
 - ASTM, MHIA & ISO
 - National Defense Transportation Association
- **Identify and engage other DOD/government forums working actions related to intermodalism**
 - DOD Standards Conference
 - NATO
- **Achieve common DOD/industry standards, where possible**

JIWG Structure



JIWG Standards Committee (SC)

Mission

- **Charter approved Dec 06**
- **The mission of the JIWG SC is to develop standards IAW DOD 4120.24-M, Defense Standardization Program, Policies & Procedures or Non-Government Standards as applicable.**
- **JIWG SC will function as the Joint Standardization Board for Intermodal Equipment (JSB IE) to initiate, harmonize and coordinate intermodal equipment standardization activities. JSB IE will:**
 - Draft standards for intermodal equipment that have reduced inventory, shorter logistic chains and improved readiness
 - Establish liaisons with various standards bodies and industry
 - Enhance integration and interoperability
 - Provide the interface for commercial/military integration in order to optimize DOD distribution process and improve end-to-end distribution effectiveness and efficiency
- **Advisors include DSPO, DPPG, USTC - J5, OSD ITP J3**

JIWG SC / JSB IE

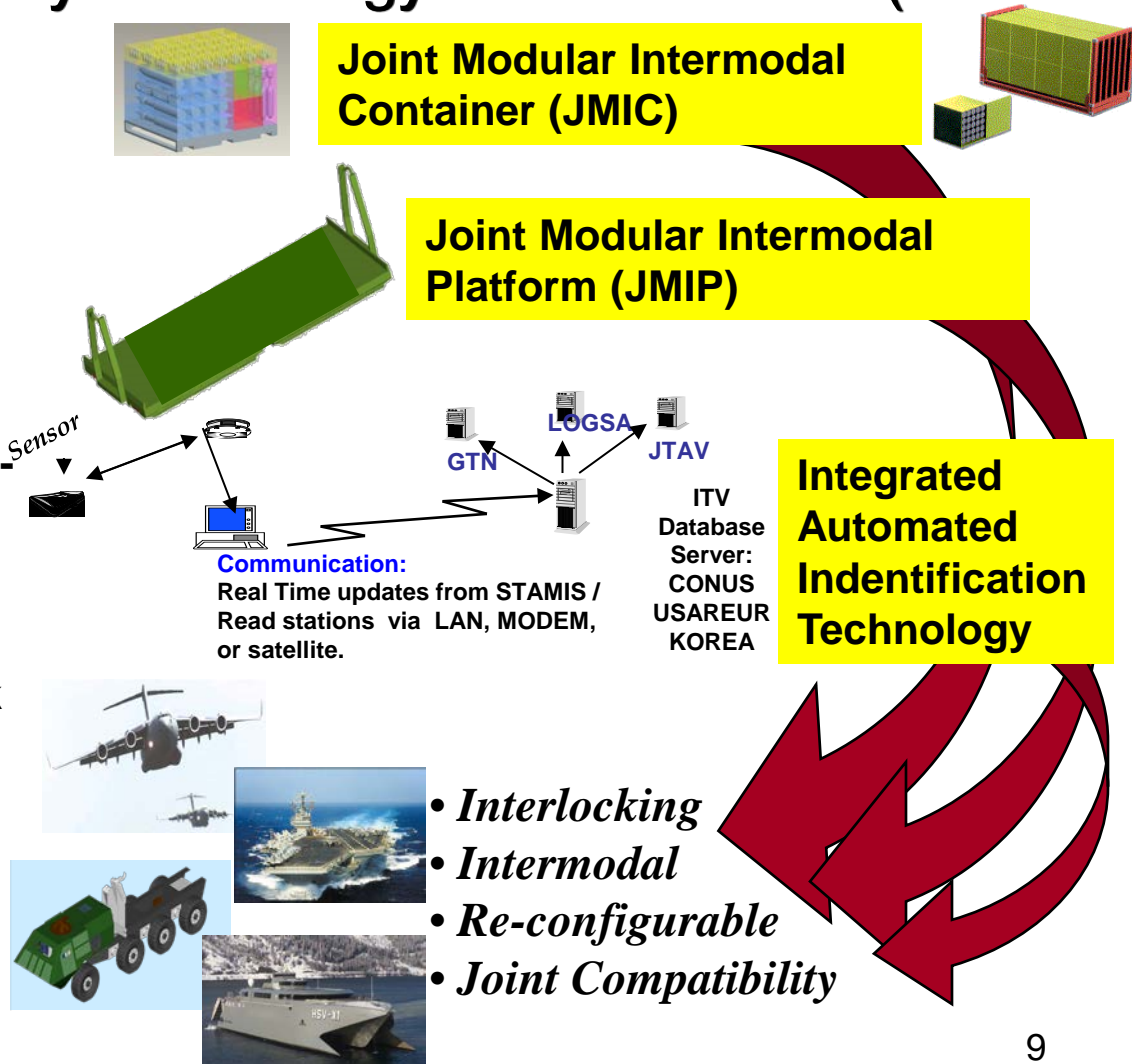
Current Efforts

1. Develop Joint Modular Intermodal Distribution System (JMIDS) Standards
 - Transportation Module/Configuration (Joint Modular Intermodal Container)
2. Develop Standards to address interoperability issues for various intermodal assets to improve End-to-End (E2E) distribution process
3. Advance the Military utility of intermodal containers through ISO Technical Committee 104
4. Address multinational compatibility and interoperability for intermodal platforms and transportation/handling assets through working with NATO

Joint Modular Intermodal Distribution System (JMIDS)

FY 06 – 08 Joint Capability Technology Demonstration (JCTD)

- JMIDS JCTD will demonstrate, analyze and transition joint service, all-mode containers and platforms that are equipped with Automated Identification Technology (AIT)
- JMIDS will permit efficient, seamless, and visible movement of supplies through the distribution system from CONUS-based depots and vendor locations to tactical end users, including movement through a Seabase to support forward operating expeditionary and task force units
- Goal of this JCTD is to make significant contributions to the agility, flexibility, efficiency, effectiveness, responsiveness, and interoperability of the Joint Distribution System



JMIDS System

16 Joint Modular Intermodal Containers (JMIC)

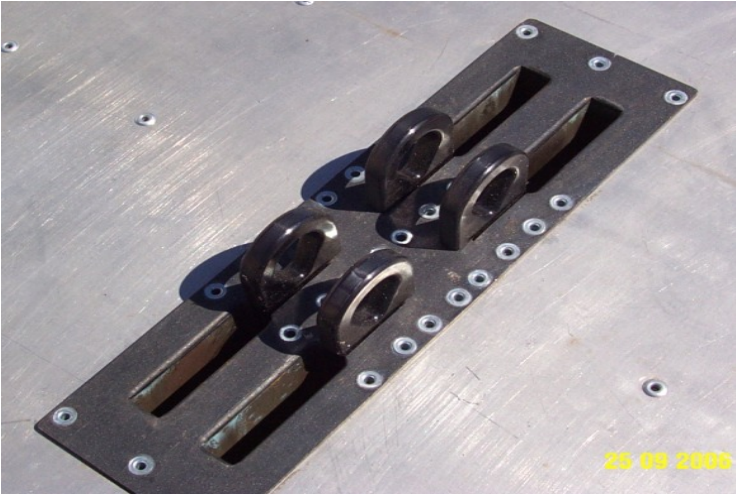


AIT
RFID Tag



Joint Modular Intermodal Platform (JMIP)

JMIC - Interface Fittings



JMIP fitting matches JMIC interface fitting



Folded interface deck fitting for non-JMIC application



JMIP

JMIC Features – Solid wall variant



Outside dimensions – 51.75”L X 43.75”W X 43”H
Stacking Height – 40.75”
Inside dimension – 48.75”L X 40.75”W X 33.18”H
Collapsed Height – 15.81”
Collapsed Stacking Height – 13.56” (3/1 ratio)
Tare Weight - 329 lbs
3000 lb max gross weight

Cover weight – 36.5 lbs
Two removable access panels (26.5 lb ea)
Assemble w/o tools
Collapsed and secured w/o banding ◀

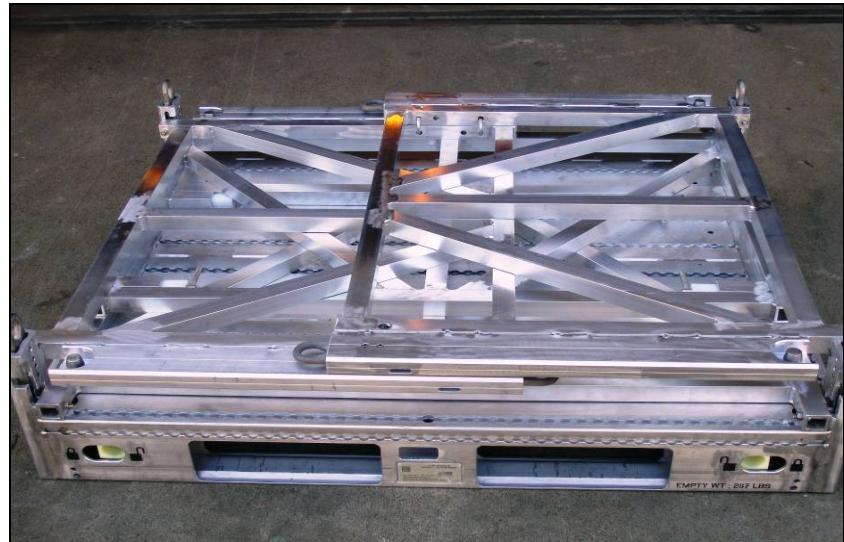


JMIC Features – Rack variant



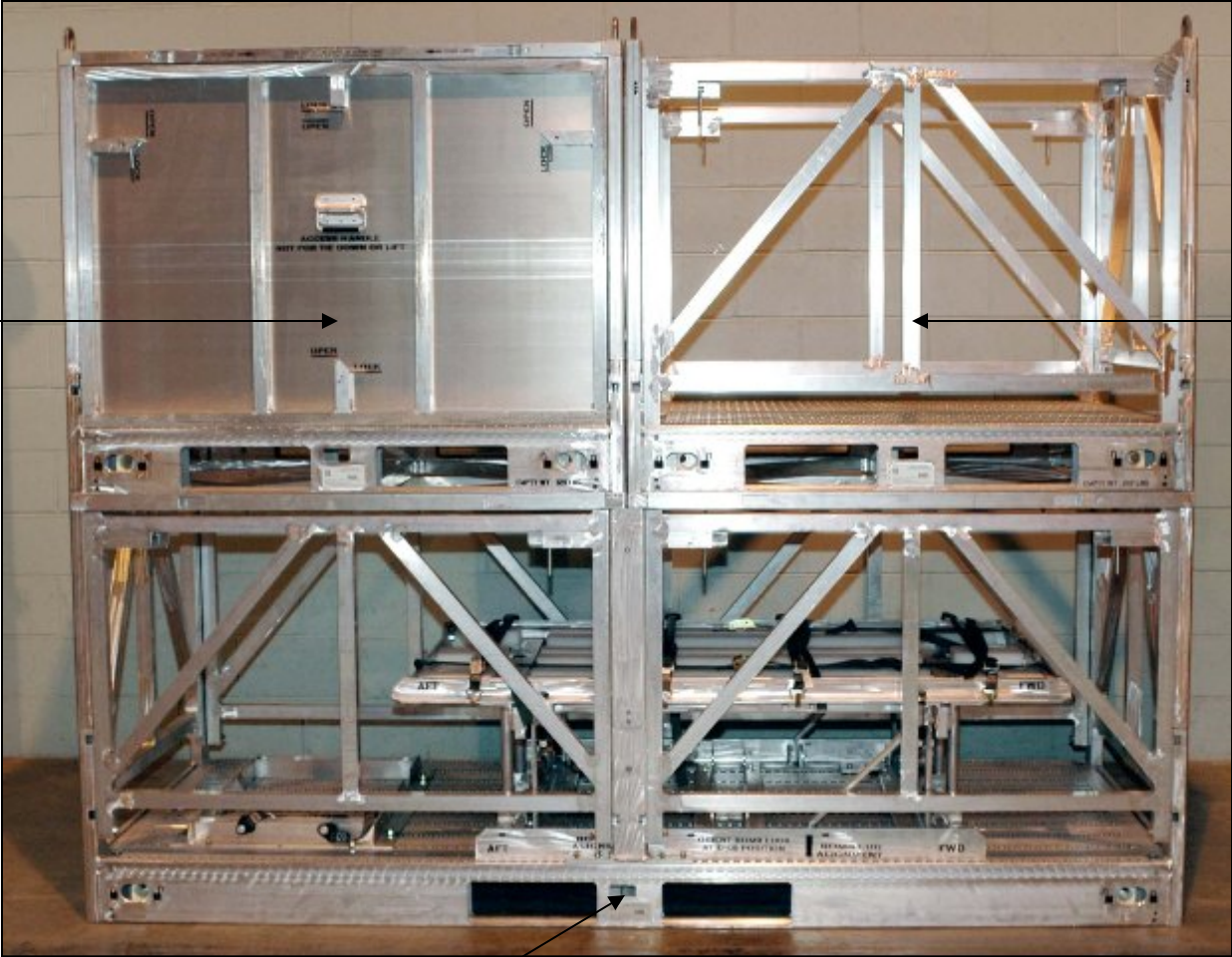
Outside dimensions – 51.75”L X 43.75”W X 43”H
Stacking Height – 40.75”
Inside dimension – 48.75”L X 40.75”W X 34.68”H
Collapsed Height – 14.31”
Collapsed Stacking Height – 12.06” (3/1 ratio)
Tare Weight - 289 lbs
3000 lb max gross weight

**Two removable face frames
(26.5 lb ea)
Assemble w/o tools
Collapsed and secured
w/o banding**



JMIC Features – Modularity

Std JMIC



Rack JMIC

Double long rack JMIC w/
cradles for bomb load

JMIC Features – Intermodal



**463L Pallet and Net System
4 JMICS (2 stacks)**



**Truck Loading /
Unloading with
stacked JMICS**



463L Pallet with 4 JMICS, (on 4"x4" spacers)



Partial Truckload (minimal blocking required)

Areas of standardization for JMIC

Standard for modular loads and interface:

- Define interface to increase interoperability and interchangeability
 - Lifting and tiedowns (MIL-STD-209, STANAG 4062)
 - Stackable
 - Locking interfaces
- Size footprint / internal dimensions
- Compatible with transportation modes
- Compatible with common/joint handling equipment
- Gross Weight Capacity/strength tests

Specifications tailored to user requirements for unique loads:

- Accessibility to contents
- Interlock capability
- Collapsible to minimize transportation footprint of empty containers
- Durability / strength
- Service life

JSB Standards Development Issues

- **Lead Standardization Activity (LSA)**
 - JSB can perform technical work to draft a Standard, but can not function as LSA
 - Must work with existing LSA to generate draft MIL-STD for coordination
 - Can be difficult to get cooperation of proper LSA to take on new MIL-STD efforts
- **Membership**
 - Difficult effort for volunteer Joint Service group (travel, time, funding, etc.)
- **Funding**
 - Membership's Command support an issue at times
 - Funds required when working with an LSA

JIWG SC / JSB IE Status

- Technical draft JMIC Interface MIL-STD, Apr 07
- Began process to identify LSA and request JMIC Interface MIL-STD document number and project number Apr 07
- Project number assigned through LSA Jul 07
 - LSA is Area Pack, Army LOGSA PSCC at Tobyhanna, assigned Project Number “PACK-2007-011” “MIL-STD-XXXX”
- Last meeting to work technical issues Aug 07
- First formatted draft Interface MIL-STD from LSA Oct 07
- Open action items from last meeting, new technical issues, funding issues and time commitment issues have stalled effort for last several months

JIWG SC / JSB IE Way Ahead

- Working to address issues
- Planning next meeting – April 08
- JMIC Interface MIL-STD for review/coordination – May 08
- Socialization of JMIC Interface MIL-STD with industry and NATO standardization groups – May to Jul 08
- JMIC Interface MIL-STD for approval – Aug 08

CONCLUSION

**JIWG Standards Committee (JSB IE):
Working with ongoing programs to develop standards that will be based on operational needs and limitations and will promote compatibility, interoperability, interchangeability and commonality to reduce cost and logistical footprint and optimize DOD distribution!**

Any Questions???