



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

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# BACKGROUND



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Informal group originally established to address the problems associated with packaging and handling of ordnance and future logistics.
- Group has met semi annually since May '01. Started meeting quarterly in 2003. Last meeting was April 20 & 21 2004.
- Started working with JFCOM, who asked that all classes of supply be considered.
- Focused on commonality / differences in packaging as well as distribution processes and systems.





# PROBLEM STATEMENT



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

**Current packaging (and unitization) does not optimize the distribution system, support interoperability, minimize manpower, and reduce material handling and logistics footprint. Combatant Commanders require a joint, seamless, intermodal conveyance system to improve joint and commercial interoperability from sea, air, air-dropable, and land-based systems. (finalized at Feb./03 meeting)**





# PACKAGING QUESTIONS



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Where do modular loads fit in current and future logistics cycles?
- Are there optimum modular load sizes?
- What commonality can exist between services and commercial?
- How do we structure an approach to this so we can all work with and build upon the same strategies?





# PACKAGING ISSUES



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Due to the way programs are funded and contracted both the budget and the prime manufacturer have more influence over the package or pallet/unit load than the end user's needs
- Need commonality between services and commercial to support future joint operations
- There are many related Packaging and Logistics efforts underway in each service that should be coordinated
- Army is driving to reduce ammo footprint, use combat configured loads now and future and influence contractor efforts





# PACKAGING ISSUES (cont.)



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Navy is looking to automate handling and shipboard stowage and standardize packages as part of the Future Naval Capabilities (FNC) R&D efforts and the Sea Basing CONOPS
- 20 ft ISO standard is driver for bulk handling
- 463L AF pallet is a driver for module size
- 40 X 48 inch standard pallet is a driver for module size
- Module needs to be common between services and address future automated handling
- Package/module needs to be compatible with the Defense Transportation System (DTS)
- NATO considerations





# DTS SIZE CONSIDERATIONS



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- **ARMY CROP - 89 X 221 IN**
- **463L PALLET - 88 X 108 IN**
- **STANDARD PALLET - 40 X 48 IN**
- **20 FT ISO - 92 X 230 IN**
- **QUADCON - 90 X 55 IN**





# MODULE SIZE CONSIDERATIONS



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- 1/4 CROP - 89 X 55 IN
- 1/2 463L - 88 X 54 IN
- STANDARD PALLET - 40 X 48 IN
- DOUBLE STANDARD PALLET - 80 X 48 IN
- 1/4 20 FT ISO - 92 X 57 IN
- QUADCON - 90 X 55 IN





# JMIC CONCEPT/ PROPOSAL



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- 44 In Wide X 54 In Long X 41 In High, 3000 lbs. gross weight. “Building Block” Joint Modular Intermodal Container (JMIC) (proposed Nov./02 meeting)
- Modules / Platforms that can be interlocked into bulk configurations to move like a 20 foot ISO container (TEU) and efficiently utilize the Defense Transportation System (ISO containers and 463L pallets)
- Dimensions are still an issue (particularly height) but, have been discussed at length and confirmed to be accurate enough to use in proposals and briefs, but may need to be refined after further research.

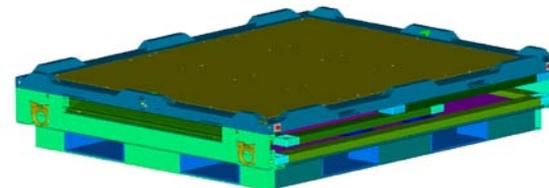
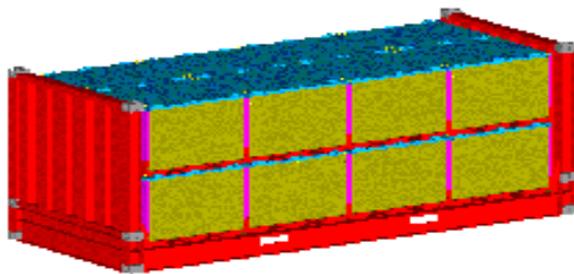
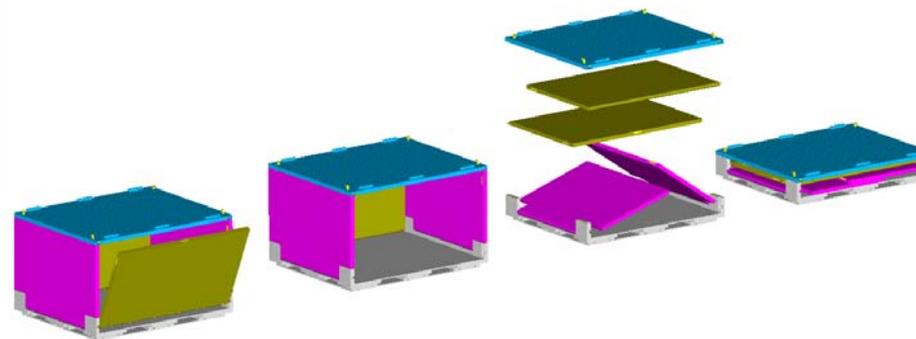
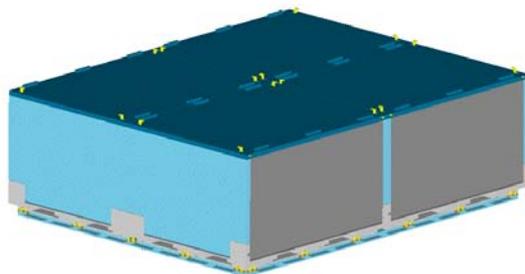




# Joint Modular Intermodal Container (JMIC) Concept



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)





# RECENT ISSUES



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Since October 2003 there has been a lot of visibility and action related to standard packaging
- Army has an Integrated Logistics Aerial Resupply (ILAR) working group in G4 and is also working on the Joint Modular Intermodal Platform (JMIP) and Aircraft Interface Kit (AIK)
- Air Force has been working on the Airgo All- Mode Container Delivery System (ACDS)





# RECENT ISSUES cont.



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- The Marine Corps and Navy have the Naval Logistics Integration (NLI) Group at HQMC and CNO that is looking at Common Naval Packaging
- The Navy has two groups at CNO, the Naval Operational Logistics (OpLog) IPT which is working to improve logistics and has funded a JMJC development effort and an Ordnance Packaging Focus Initiative that is looking at packaging issues and standardization and is working to elevate the standard packaging issue to a Joint DoD Ordnance Packaging IPT at ODUSD LM&R (first meeting May 6, second meeting June 16)





# CURRENT EFFORTS



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- **Concept Paper was reviewed and finalized at last meeting. Final version released 4/30/04**
- **Video animation was reviewed at last meeting and draft version was approved for limited release. Revised video was released 5/14/04.**





# RECENT / PLANNED BRIEFINGS



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- Naval Ordnance Readiness Improvement Process (NORIP) Board – April 29
- Navy Packaging Board – May 5
- JOCG Executive Committee – May 11
- NIPHLE – May 18
- Naval Logistics Conference – May 17 to 20
- DPPG – June 9
- Joint Intermodal Working Group – June 22 & 23
- Naval Operational Logistics Support Center (NOLSC) Transportation Symposium – July 15 (Postponed)





# THE FUTURE



## JOINT INTERMODAL LOGISTICS WORKING GROUP (JILWG)

- **Does JILWG continue?**
  - Remain as an informal group?
  - Become a formal group?
  - Become a working group under the DoD IPT?
  - Focus on ordnance or all supplies?
- **Final resolution of JMIC size and requirements still being addressed**
- **Modular system issue being briefed to higher levels**
- **Next meeting tentatively scheduled for Sept 04 at the PHST Center (may change based on DOD IPT efforts)**

