



Getting the Most From Your Hazardous Material Management System

2011 E2S2 Conference
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Report Documentation Page

*Form Approved
OMB No. 0704-0188*

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1. REPORT DATE MAY 2011	2. REPORT TYPE	3. DATES COVERED 00-00-2011 to 00-00-2011			
4. TITLE AND SUBTITLE Getting the Most From Your Hazardous Material Management System		5a. CONTRACT NUMBER			
		5b. GRANT NUMBER			
		5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S)		5d. PROJECT NUMBER			
		5e. TASK NUMBER			
		5f. WORK UNIT NUMBER			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Tobyhanna Army Depot, 11 Hap Arnold Boulevard, Tobyhanna, PA, 18466		8. PERFORMING ORGANIZATION REPORT NUMBER			
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)			
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)			
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 9-12 May 2011 in New Orleans, LA.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 15	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



About HMMS



Cradle-to-Grave Environmental Information Management Solution

Inventory can be pre-authorized before it is ordered, allowing you to select less costly or safer alternatives. You have total visibility and control of what comes onto your facility.

By labeling and barcoding inventory, you know what you have, where it is located, who is using it, and on what equipment it's being used. This allows you to track costs, reduce shrinkage, and take advantage of bulk purchases.

Bulk quantities can be broken into job-specific quantities. This reduces spillage, contamination, and employee exposure. Material not completely used can be returned for reissue.

Waste is tracked from generation through disposal. Automated manifests ensure accuracy, resulting in significantly reduced disposal costs. Comprehensive, Worldwide waste tracking and reporting is now a reality.

EPA, OSHA, EPCRA, RCRA and site-specific reports are as simple as one click of the mouse. Without HMMS these reports can cost you tens of thousands of dollars each to prepare.

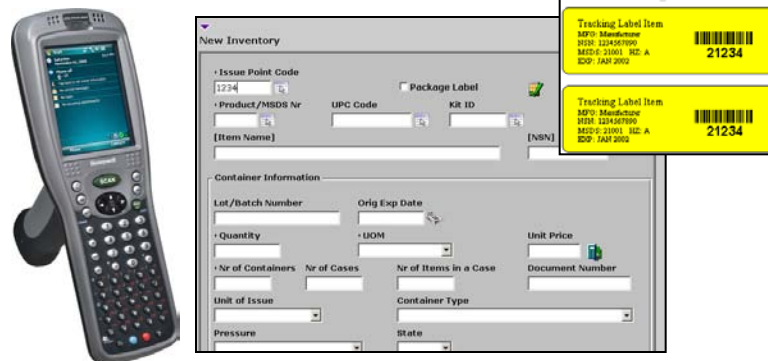
PRE-ACQUISITION

LABEL & BARCODE

ISSUE & REUSE

WASTE

REPORTING



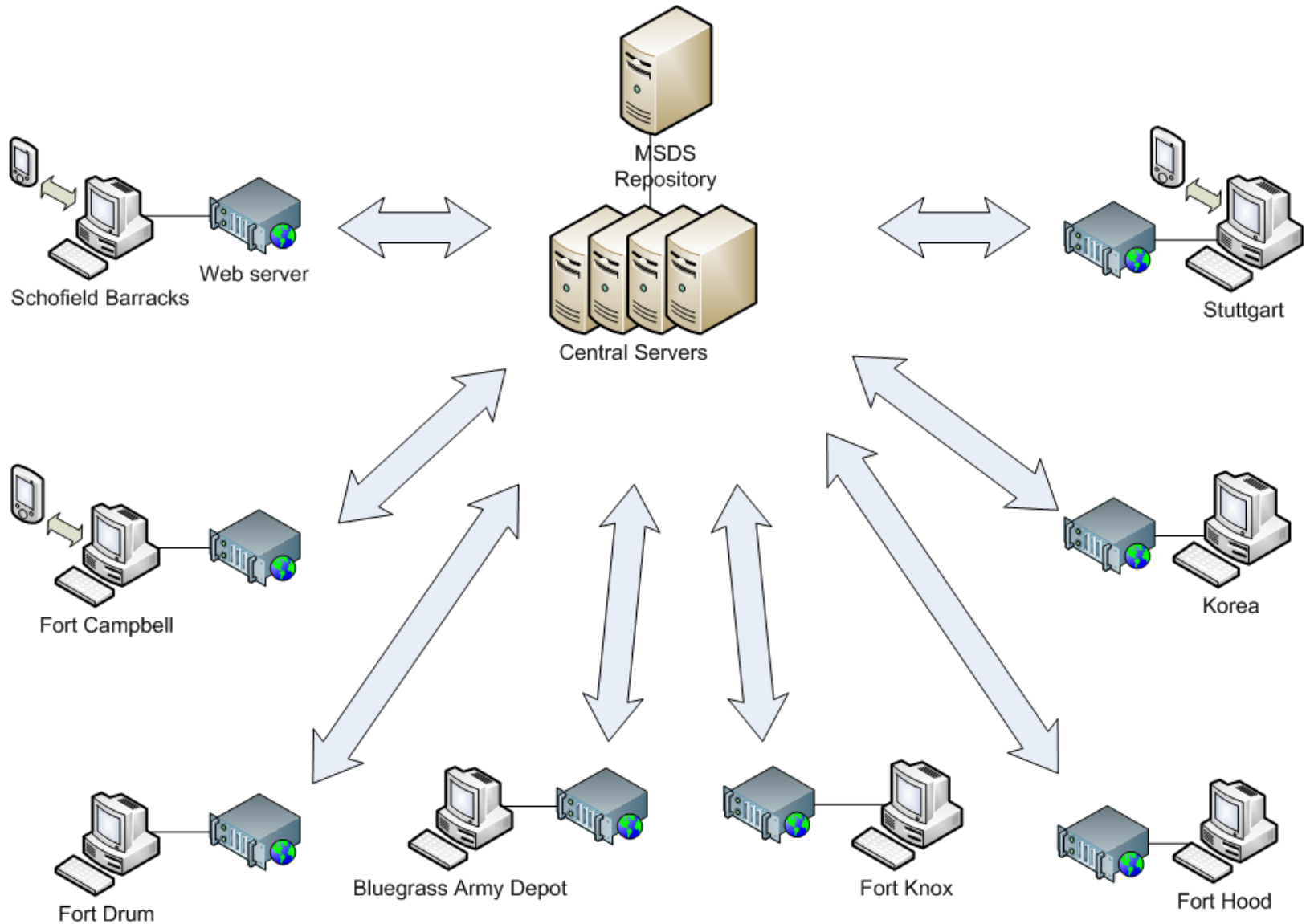


History of HMMS in the Army

- **1992 Joint Logistics System Center selected a text-based system used at Hill AFB for development**
 - **Developed to support DoD maintenance depots**
 - **Most stringent environmental requirements**
 - **Deployed to all Army depots by 1996**
- **1997 Program Management Responsibility Transferred to OO-ALC at Hill AFB**
- **1998 Client-server version 3.0 released**
- **2004 HMMS moved to a web-based platform (version 4.0)**
- **2006 HMMS selected as Army standard**
- **2007 Central model was set up and deployment to sites begun**



Central Model

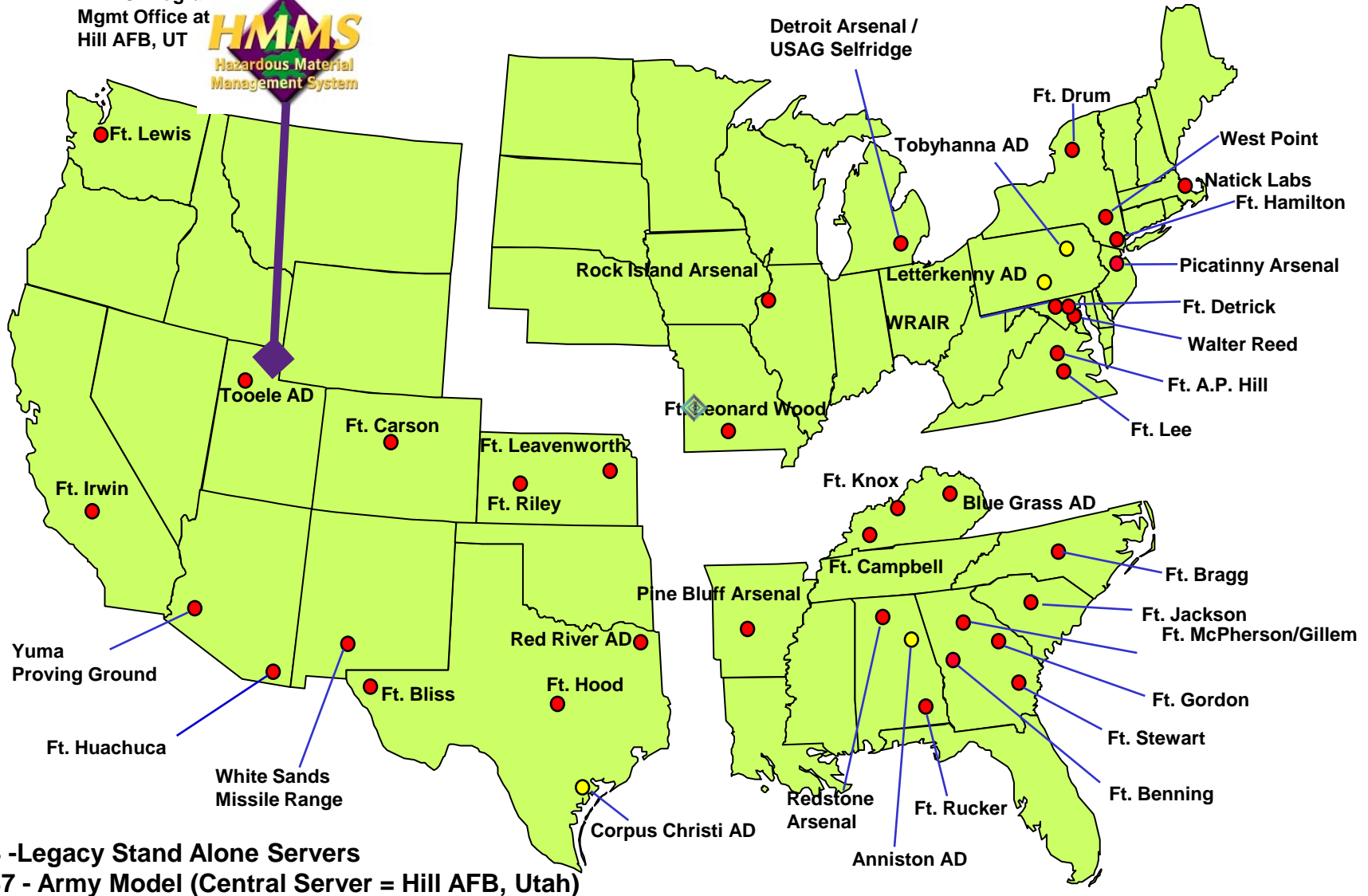




Army HMMS Users



HMMS Program
Mgmt Office at
Hill AFB, UT **HMMS**
Hazardous Material
Management System



- 4 - Legacy Stand Alone Servers
- 37 - Army Model (Central Server = Hill AFB, Utah)

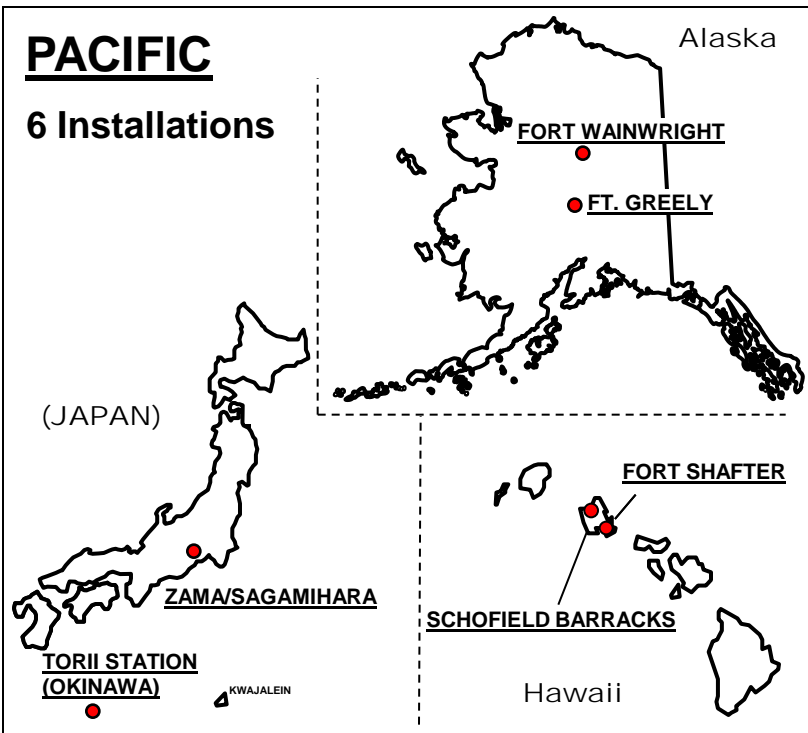


Army HMMS Users



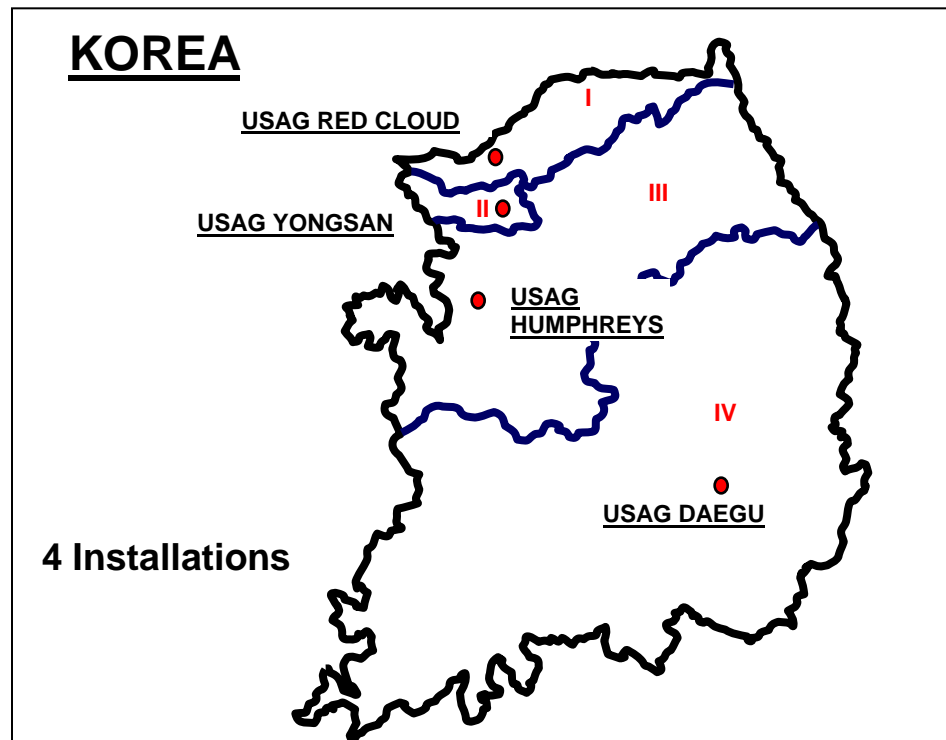
PACIFIC

6 Installations



KOREA

4 Installations

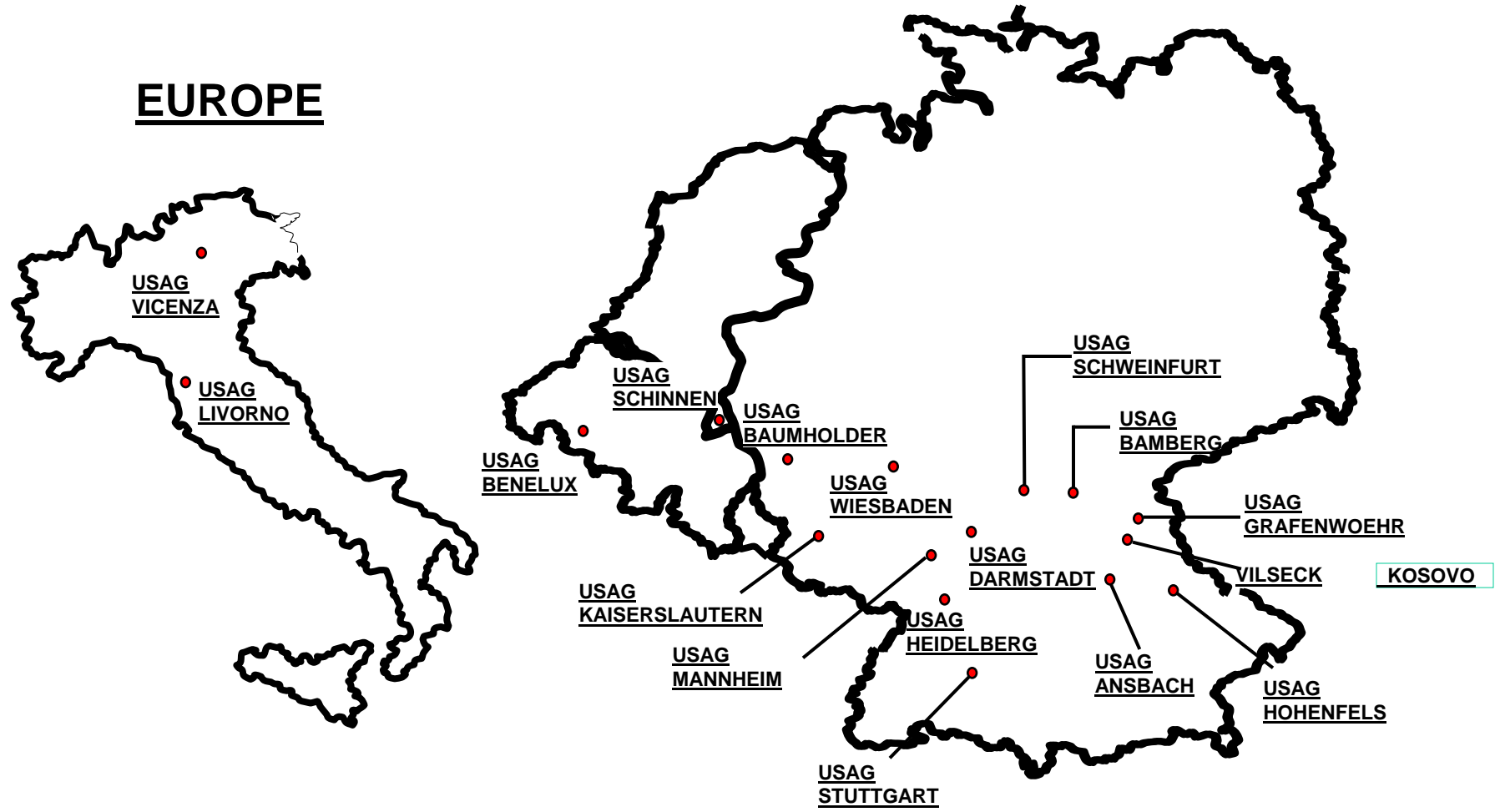




Army HMMS Users



EUROPE





• Advantages

- **Reduced overhead (server replacement/maintenance)**
 - HMMS Software centrally hosted (vice 40 servers at 40 sites)
 - Site databases centrally hosted (one database administrator)
- **Standardized version/upgrading**
- **Standard training**
- **Standard business practices**
- **Inter-site sharing of materials**
 - Every site can obtain the information for material obtained from another site (transferred with the material using HMMS)
- **Shared MSDS repository (vice 40 repositories)**
 - MSDS data entry service
 - Standard, quality controlled MSDS data/images
- **Central report-writing service**
- **All transactions are web-based**



HMMS Training URLs

- 4 Training URLs currently set aside for centrally hosted sites
 - AR0TRAIN replicates the central MSDS repository
 - AR1TRAIN thru AR3TRAIN can be configured with any site database
- URLs can be used for training, beta testing, etc.



Army Central Model



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Questions/Additional Discussion



Back-up Slides



Army Breakout Session



Army HMMS Users

CONUS

- Bluegrass Army Depot
- FT Huachuca
- FT Bliss
- FT Campbell
- FT Leavenworth
- Red River Army Depot
- Walter Reed AMC
- FT Detrick
- Pine Bluff Arsenal
- FT Bragg
- FT A.P. Hill
- FT Knox
- FT Lee
- FT Benning
- Detroit Arsenal
- FT Drum
- FT Stewart
- FT Gordon
- West Point
- Picatinny Arsenal
- FT Hamilton
- FT Carson
- FT Jackson
- Yuma Proving Ground
- Rock Island Arsenal
- FT Riley
- FT Leonard Wood
- FT Lewis
- White Sands
- FT Irwin
- Tooele Army Depot
- WRAIR/NMRC
- FT Hood
- FT Gillem
- FT Rucker
- Natick Labs

Stand alone

- Tobyhanna AD
- Anniston AD
- Letterkenny AD
- Corpus Christi AD



Army Breakout Session



Army HMMS Users

EUROPE

- Ansbach
- Bamberg
- Baumholder
- Chievres/Brussels
- Grafenwoehr
- Heidelberg
- Hohenfels
- Kaiserslautern
- Kosovo
- Livorno
- Mannheim
- Schinnen
- Schweinfurt
- Stuttgart
- Vicenza
- Vilseck
- Wiesbaden

PACIFIC

- Camp Zama
- FT Greely
- FT Shafter
- FT Wainwright
- Okinawa
- Schofield Barracks

KOREA



Local vs Central Data Elements

Current local fields:

- Threshold Planning QTY1
- Threshold Planning QTY2
- State Usage Limit
- Local Usage Limit
- Chemical Information Child Records
- Group Code
- ARC1
- ARC2
- ARC3
- ARC4
- CTS
- Hazard Category 1
- Hazard Category 2
- Haz Code
- PPE Code
- Disposal Code
- Permit Constraint Type
- Storage Type Code
- Restricted Indicator
- Exemption Code

Proposed changes:

- Exempt (centrally entered; locally edited)
- Reportable Qty (same)
- VOC Reactivity Code (same)
- All 4 VOC Fields (same)
- HAP Fields (same)

- Active Indicator (new local field)
- MSDS Comments (same)

- Price (locally entered/editable)
- Container quantity (same)
- Vendor child record (same)

- Other Ingredients Child Record (allow central edits)
- Synonyms (same)