



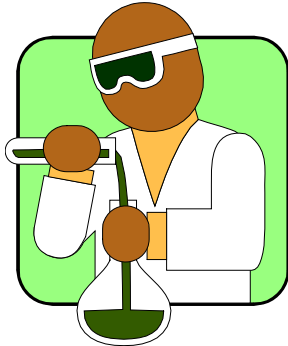
Hazardous Materials Information System



Patricia Cowin
DoD IH Forum
4 June 2001



HMIS Overview

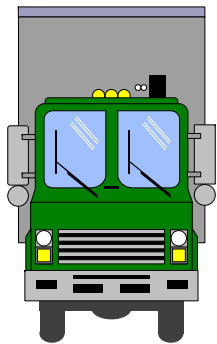


Hazardous Information

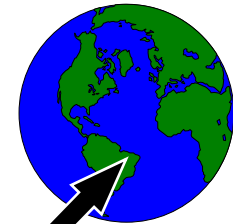
Material Safety Data Sheets

- Product ID
- NSN
- Responsible Party
- Emergency Phone #
- Chemicals
- Safety & Health
- HAZCOM Labels

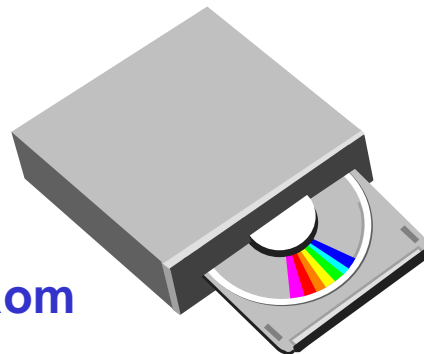
Printable Hazcom Warning Labels



Transportation



Web Access



CD Rom



[HTTP://WWW.DLIS.DLA.MIL/HMIS/](http://www.dlis.dla.mil/hmis/)



HMIS Statistics



- **Product Records: 265,000**
- **Transportation Only Records: 11,000**
- **Web Users: 1,800+**
- **CD ROM: 10,000 sets per quarter**
- **Downstream System Feeds: 3**



HMIS REDESIGN



- **Requirement to redesign HMIS**
 - **Minimize re-keying of data**
 - **Maintain the manufacturer's MSDS**
 - **Timely user access via Internet/CD/System feeds**
 - **Use best industry practices**
- **Selected DLA System Integration Office as Information Technology (IT) partner**
- **Selected American Management Systems (AMS) as data integrator using ProSteward™ COTS software**



HMIS

Hazardous Materials Information System

The central graphic is a large red prohibition symbol (a circle with a diagonal slash) that encompasses the main title. The title itself is "HMIS" in large, bold, blue letters, followed by an icon of a white Erlenmeyer flask containing a small globe of the Earth. Below this, the words "Hazardous Materials Information System" are written in a smaller, green, sans-serif font.



HMIRS

Hazardous Materials Information
Resource System





HMIRS



■ Key Features:

- ◆ Electronic MSDS submittals from www
- ◆ Document and image management
- ◆ eXtensible Markup Language (XML)-based data transfer
- ◆ Foreign language MSDS
- ◆ Customizable MSDS lists
- ◆ 508 compliance
- ◆ C2 security accreditation



Streamlining MSDS submittals



- **Manufacturer MSDS submission**
 - **Provide manufacturers with central location to respond to MSDS requests**
 - **Support multiple formats to provide flexibility to manufacturers**
 - **Enable manufactures to enter primary index data required for the MSDS**
 - **Provide manufacturers with status of their MSDS submission**



Submittal Page



ProSteward Online Web - Microsoft Internet Explorer provided by AMS

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home Messenger Real.com

Address J:\PROJECT\RC83\DLA HMIS\Design\Supplier Submittal\Submittal Page index2.htm Go

ProSteward™ Online

[Home](#) [Submit](#) [Check Status](#) [Comments](#) [Help](#)

Electronic MSDS Submittals

CONTACT INFORMATION

Name: Company:

Phone: E-Mail:

DOCUMENT INFORMATION

Language: Proprietary: Document Type:

* Format: * File Name:

MSDS SUBMITTAL INFORMATION

* Company Code (CAGE): Contract Number:

* Product Identity: Service/Agency:

Trade Name: Comments:

Part Number:

Stock Number:

(* = mandatory)

Done Local intranet



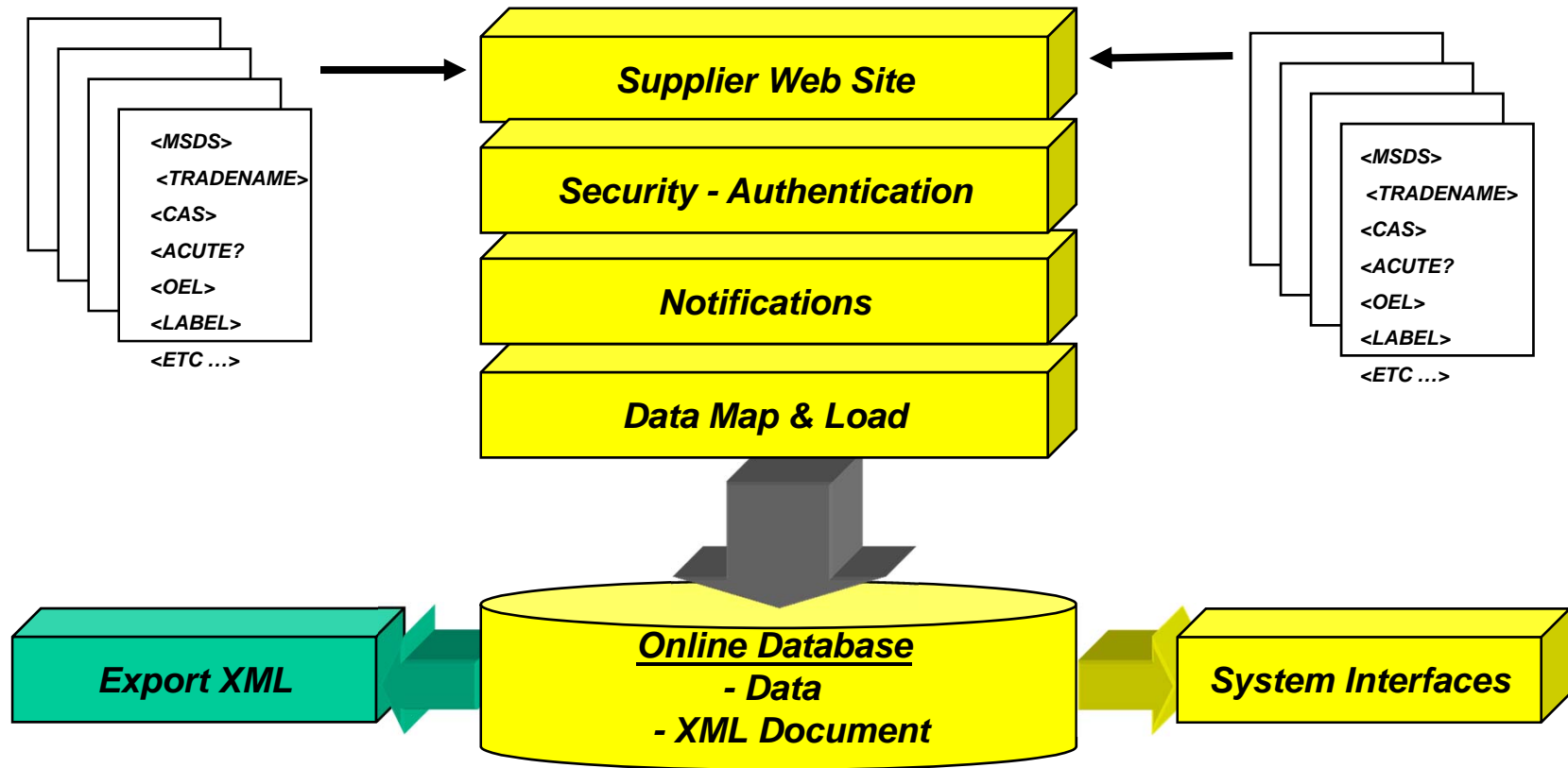
Streamlining MSDS submittals (cont'd)



- **Sub-Focal Point/HAZMAT cell submission**
 - **Expand ability to enter initial MSDSs beyond Focal Points**
 - **Facilitate increase in local stock submittals**
 - **Provide data integrity checks to insure complete submittals and to reduce MSDS redundancies**
 - **Support reduction in time to complete product records, increasing availability of data to downstream systems.**



MSDS Submittal Web Site





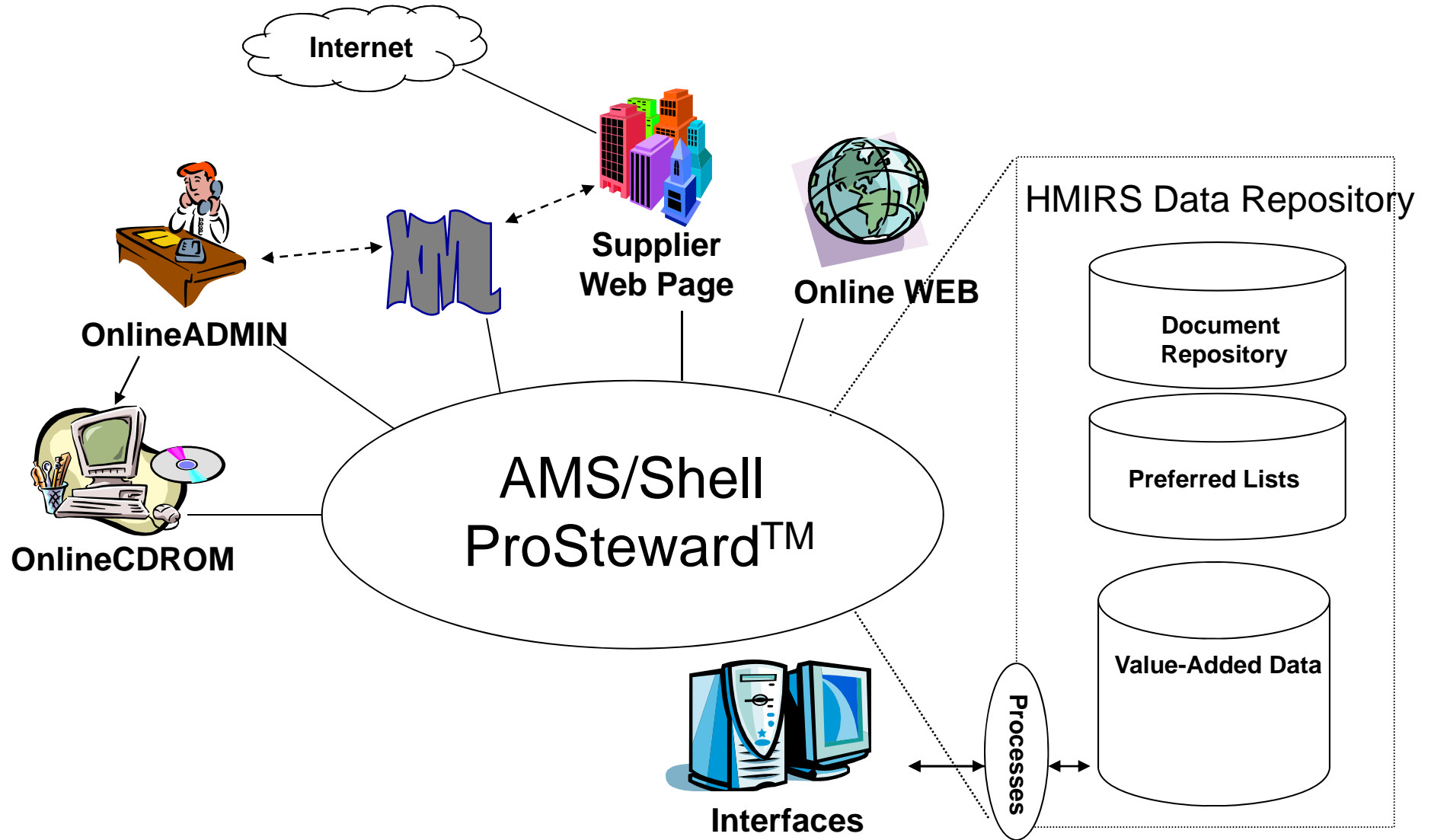
Benefits



- **Eliminate manual data entry tasks and time associated with handling of paper submissions**
- **Make MSDSs immediately available for access by system users and downstream systems**
- **Provide streamlined process resulting in availability of more MSDSs (LSN&NSN) across the services/agencies.**



HMIRS Solution Overview





Introducing XML



- **XML - Extensible Markup Language - Subset of Standard Generalized Markup Language (SGML) – Industry-specific standards are being developed**
- **DTD – Data Type Definition – Definition of the tag scheme used to identify separate data elements in the XML**
- **XSL – Style sheets that govern the display of the document over the web**



DoD's XML Initiative



- **Establish DTD for MSDS**
 - Work with industry groups – PIDX, CIDX
- **Create free-ware for small suppliers to generate XML documents**
- **Develop XSL to display MSDS in ANSI format**
- **Incorporate XML supplier home page feature into HMIS to receive XML data**



BENEFITS OF XML MSDS



- **Standardized data format and MSDS data elements**
- **System to system exchange of MSDS**
 - **Improves quality and accuracy of MSDS**
 - **Reduces processing costs by eliminating rekeying of complex documents**
 - **HMIS obtain data it needs with minimal need for follow up to MSDS submitters**



HMIRS Schedule



June 2001

**Phase 1 –
Implementation Planning**

(10/30/00 – 1/31/01)

Phase 2 - Design

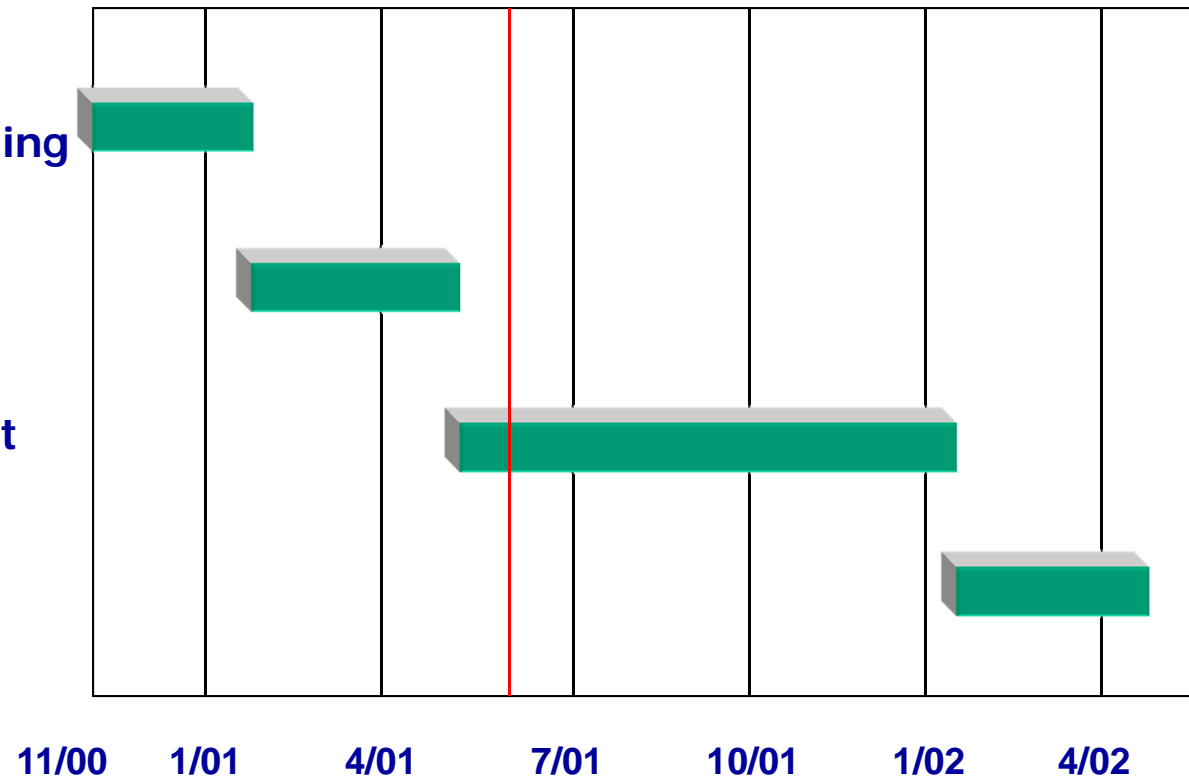
(2/1/01 – 5/11/01)

Phase 3 - Development

(5/14/01 – 1/15/02)

Phase 4 - Deployment

(1/16/02 – 4/26/02)





HMIRS Contacts



- **HMIS CD-ROM distribution**
 - contact by Service/Agency
- **HMIS Home Page & Service/Agency Representatives**
 - www.dlis.dla.mil/hmis
- **HMIS Questions**
 - hmis@dlis.dla.mil



HMIRS Contacts



HMIRS POCs

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	Andrew Gootee (DSCR)	(804) 279-6063 / 695-6063	(804) 279-4149	agootee@dscr.dla.mil
	Bob Cook (DSCR)	(804) 279-3084 / 695-3084	(804) 279-4149	ealvarado@dscr.dla.mil
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	Tonita Davis (AFMC LSO/LOP)	(937) 257-1984 / 787-1984	(937) 257-4403	tonita.davis@wpafb.af.mil
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	Pat Cowin (CHPPM)	(410) 612-2439 / 584-2439	(410) 612-8795	patricia.cowin@apg.amedd.army.mil
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	Emmett Beale (NAVTRANS)	(757) 443-5407 / 646-5407	(757) 443-5411	emmett_n_beale@navtrans.navy.mil
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	Jim Christ (USCG)	(202) 267-0640		jchrist@comdt.uscg.mil
GSA	Randall Schober (GSA)	(816) 926-2429/ 465-2429	(816) 926-1371	randall.schober@gsa.gov



Summary



- **Create, obtain, manage and integrate hazardous materials/product information from a variety of sources for dissemination as user-friendly information**
- **Work with industry to capture best business practices**



The HMIS User Community

■ Supports DoD and Federal Agencies

- Army
- Air Force
- Coast Guard
- GSA
- Federal Prisons
- NASA
- CIA
- Navy
- Marine Corps
- DLA
- Post Office
- FAA
- NSA
- Others