



Defense Supply Center Richmond

2009 Environment, Energy & Sustainability Symposium & Exhibition

**Evolving the Hazardous Materials
Information System (HMIRS)
for Tomorrows HAZMAT Challenges**

**Linwood Gilman
DSCR**



DLA's Aviation Supply & Demand Chain Manager

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Hazardous Materials Information Resource System (HMIRS)



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- **Authority – DoDI 6050.05**
 - **DLA Appointed Lead Component**
- **DSCR – Functional Manager**
- **DLIS – Program Manager**
- **Designated by BTA as Authoritative Source for MSDSs**



Present Efforts/Issues



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- **Globally Harmonized System (GHS)**
- **Extensible Mark-up Language (XML) Schema for Fully Structured MSDS**
- **Registration, Evaluation , Authorization and Restriction of Chemicals (REACH)**
- **Evolution to Hazmat Business Process Review (BPR) Requirements**



GHS Issues

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- **OSHA Still Needs to Impact U.S. HAZCOM Standard**
- **Primary Differences of GHS**
 - **Hazard Determination Methodology**
 - **Standard Format for Data**
 - **Use of Pictograms**
- **Implementation Options Permitted**



REACH

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- **Uses GHS as a Baseline with Major Additional Requirements**
 - **Shifts Burden of Hazard Evaluations to Manufacturers**
- **Specific Use Scenarios Part of SDS**
 - **User to Ensure Use Consistent with Use Scenarios**
- **Implementation Just Beginning**



Changes to HMIRS to Accommodate GHS/REACH



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- **Accommodates ESOH Pictograms**
- **Will Place MFR's Use Data in Value-Added**
- **Hazard Assessment Data in Value Added**



DOD HAZMAT Business Process Review (BPR)

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- **OSD (BEI) Leads Effort**
 - **Representation from Military Departments & DLA**
- **Major Consideration: Standardized**
 - **Data Elements (Definitions & Properties)**
 - **Process Using HAZMAT**
- **Accommodate Business Enterprise Solutions**



XML Project for MSDS



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- **Evolution from EDI standards**
- **DLA Initiated Project under United Nations Center for Trade Facilitation & Electronic Business (UN/CEFACT)**
- **Develop International MSDS (SDS) Data Schema**
- **Facilitate Electronic Exchange of Data (Fully Structured) between Trading Partners**



XML Project Status/Future



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- **Initial UN/CEFACT MSDS XML Schema Approved Mar 09**
- **Presently Researching Implementation Efforts**
 - **Basic Schema Silent on Field Lengths**
- **Looking at Implementation Version of Schema**
- **Working with U.S. Industry Players**



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Questions?