

75th Air Base Wing



Effective Data Stewarding Measures in Support of EESOH-MIS

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Report Documentation Page

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Outline



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Purpose of EESOH-MIS Data Stewarding



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- **To provide accurate and accessible product hazard and chemical data to the Air Force**
 - **Centrally managed and funded**
 - **Controlled repeatable data management processes**
 - **Focused on specific needs of Environmental, Occupational Health, and Safety compliance needs (in addition to worker right-to-know)**
 - **Low cost**



What Is EESOH-MIS?



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- **The Enterprise Environmental, Safety, and Occupational Health – Management Information System (EESOH-MIS):**
 - **A web-based system to manage hazmat, hazwaste, and other environmental compliance data**
 - **In use at 62 AF installations**
 - **Helps installations meet reporting requirements through effective data management**



What Is EESOH-MIS?



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- **EESOH-MIS provides:**
 - **Accurate material product and chemical hazard data**
 - **Scanned images of Material Safety Data Sheets (MSDSs) to be available for Emergency (Hazmat or Spill) Response - Fire Dept/Base Spill Team**
 - **Data available by process to support air permit compliance/conditions, waste characterization, and other compliance reporting requirements**
 - **Accurate data for environmental compliance calculations and reporting and to export to other systems via web intelligence services**
- **All supported by The Data Stewarding Function!**



About EESOH-MIS Data Stewarding



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- **Product Hazard Data (PHD) stewards:**
 - **A group of contractors at Hill AFB who administer the data in EESOH-MIS**
 - **Experts in hazmat management, environmental reporting, occupational health requirements, and logistics**



About EESOH-MIS Data Stewarding



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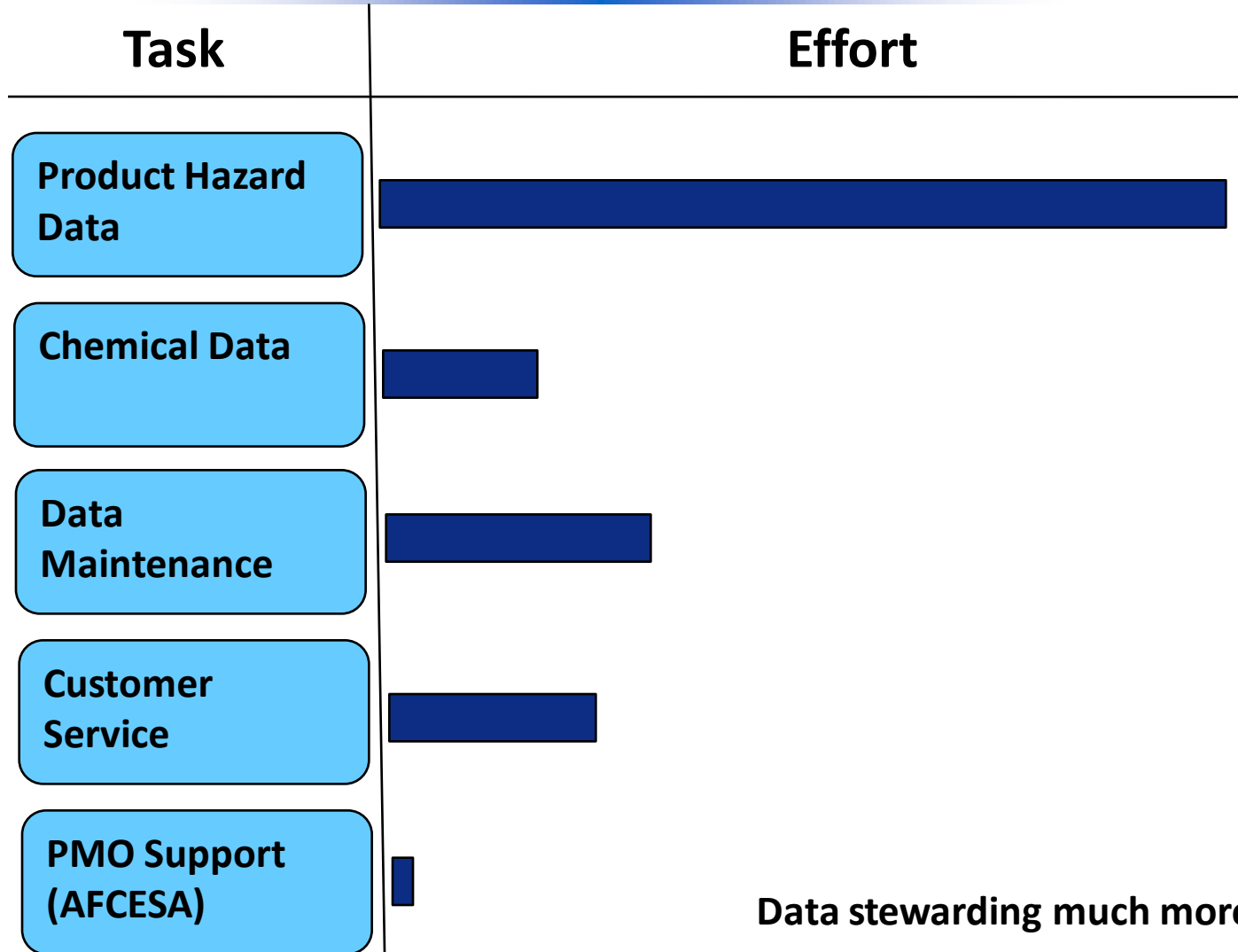
- **Why data steward at Hill AFB?:**
 - **Large installation with vested interest in data quality:**
 - Hill AFB is the largest hazmat user in AF
 - Hill AFB must have the data to comply with air, waste, and EPCRA regulations
- **Primary beta site for EESOH-MIS (barcoding)**
- **Experienced ESOH data staff**
- **Local contractor pool with extensive MSDS/chemical knowledge**
- **Available space and Information Technology (IT) infrastructure**



About EESOH-MIS Data Stewarding



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Data stewarding much more than MSDSs



About EESOH-MIS Data Stewarding



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- **PHD information includes:**
 - **Material data:**
 - Stock number/logistics data
 - **Product data:**
 - Manufacturer specific data
 - **MSDS/Chemical data:**
 - Material specific data
 - **Value added research and calculations supporting RCRA, Tier II, CAA, and Title V reporting requirements**



About EESOH-MIS Data Stewarding



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- **Data maintenance tasks include:**
 - **Updating data to support software releases**
 - **Updating migrated data as needed**
 - **Coordinating scripts with the Help Desk as needed**
 - **Supporting business process enhancements**



About EESOH-MIS Data Stewarding



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- **Customer support tasks include:**
 - **Addressing phone calls and emails requesting support for:**
 - **Hazmat operations**
 - **MSDS information**
 - **EESOH-MIS shared data and general functionality**
 - **Container Unit Package / Supply Unit Issue guidance**
 - **Troubleshooting EESOH-MIS errors**



Benefits of Data Stewarding



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- **Efficiency:**
 - **Eliminates duplication of efforts:**
 - One team uploading information for ALL installations
- **Data consistency:**
 - **Centrally-controlled data entry**
 - **Standardized business rules**
 - **Cost effective:**
 - AF spent ~ \$15M/yr on hazmat related data entry before EESOH-MIS
 - AF spending < \$2M/yr on EESOH-MIS data entry



Lessons Learned--Efficiency



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- **A centralized data stewarding function improves efficiency by:**
 - **Eliminating duplication of efforts (i.e. multiple bases loading the same data)**
 - **Providing standardized business practices to improve data consistency/reliability**



Summary

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- Hill AFB EESOH-MIS Data Stewards efficiently administer hazmat data for the entire system
- They manage material, product, and MSDS/chemical data; perform valuable data maintenance, and provide customer support to other bases
- Hill AFB is ideal for performing this task by:
 - Having a vested interest in hazmat data
 - Being the beta site for EESOH-MIS
 - Utilizing existing contract employees experienced with ESOH data
 - Having available space and IT capabilities



Questions?



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