

Headquarters U.S. Air Force

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Enterprise, Environmental, Safety, Occupational Health- Management Information System



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Report Documentation Page

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Overview

- **Purpose of EESOH-MIS**
- **Why EESOH-MIS**
- **Where We Are**
- **Situation**
- **Lessons Learned**
- **Benefits**



- **Supports the Air Force goal of reducing toxic and hazardous chemical reductions through risk management applied across the weapon system, facility and infrastructure life cycle**
- **The EESOH-MIS program is a comprehensive web based automated information system for the aggregation and collection of Environmental Data. Used to respond to specific environment, safety and occupational health (ESOH) impacts.**
- **Provides Hazardous Materials Tracking, Hazardous Waste and Cleanup functionality**
- **Allows roll up of data at the MAJCOM, Air Staff and OSD level**
- **Single application used throughout the Air Force**



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Why EESOH-MIS?

- **Implements SAF/IEE policy letter supporting the ESOH information integration vision**
- **Optimize base efficiencies**
 - **Eliminates multiple data entry in multiple environmental systems**
 - **Provides operational mission risk mitigation versus reactive actions**

EESOH-MIS is a comprehensive web-based automated information system for the aggregation and collection of Environmental, Safety & Occupational Health data



Reality

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EMIS



Shop
 HazMat Authorizations
 Use Information
 Equipment
 Controls

MSDS Data
 Organization Data
 Personnel Data
 Location Data

BEE

Env

SE

LG

BEE

Env

SE

LG

BEE

Env

SAF/IEE



Wing



Shop Floor



HMMS



Zones
 HazMat Authorizations
 Use Information
 Equipment
 Controls

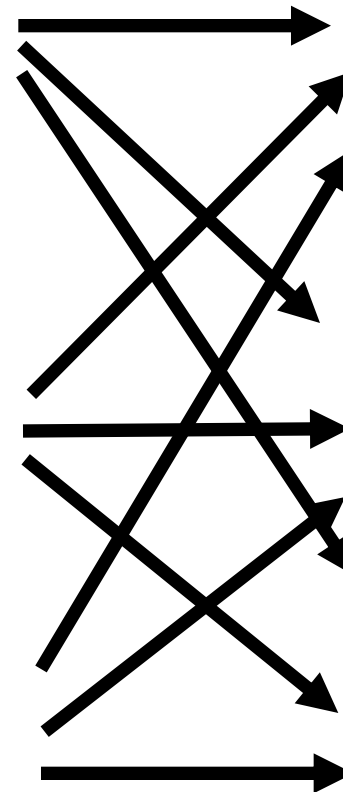
MSDS Data
 Organization Data
 Personnel Data
 Location Data

CCS



Shop
 Exposure Groups
 Processes
 Hazmat Consumption for Air
 Emission (APIMS)
 Use Information
 Equipment
 Controls

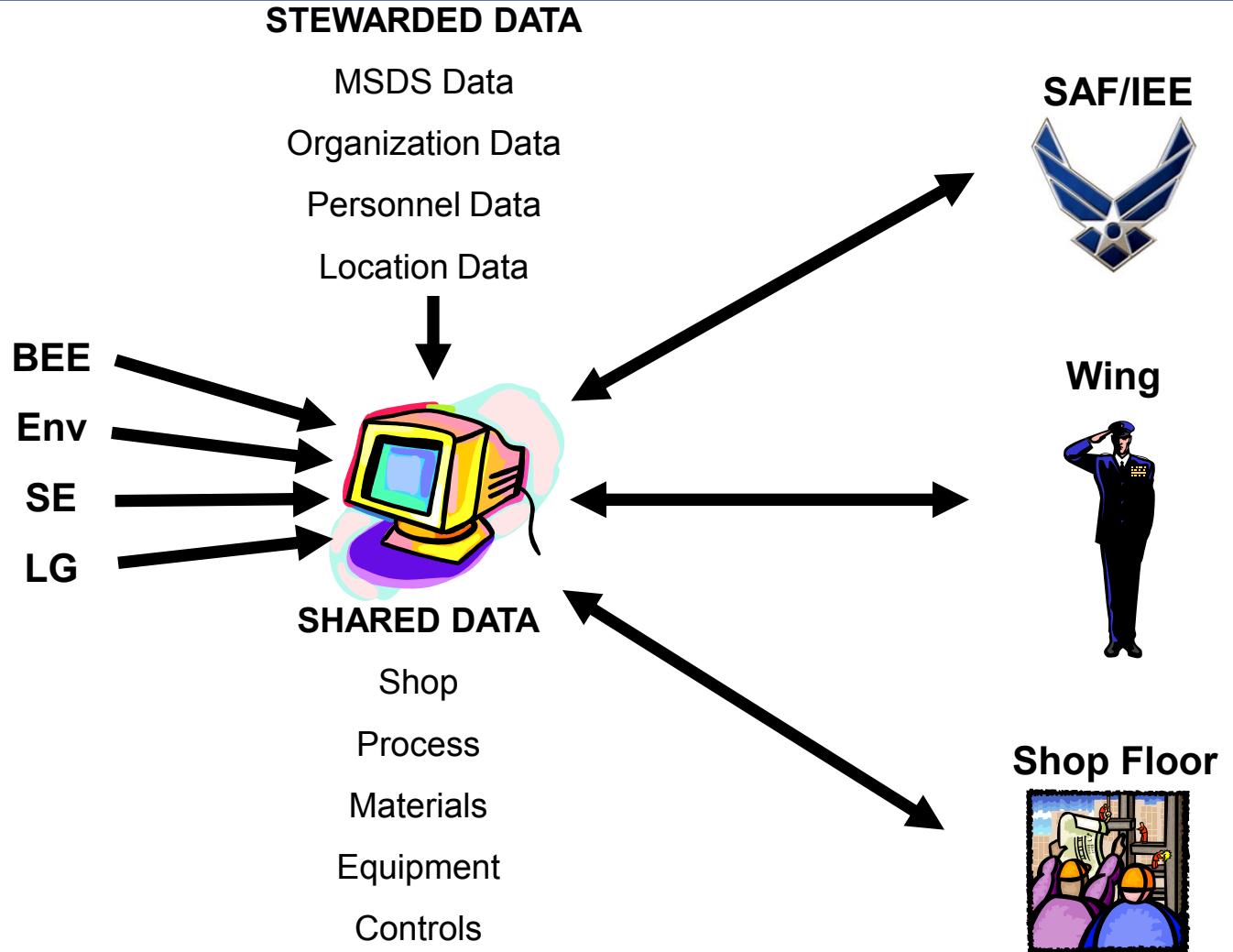
MSDS Data
 Organization Data
 Personnel Data
 Location Data





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Vision



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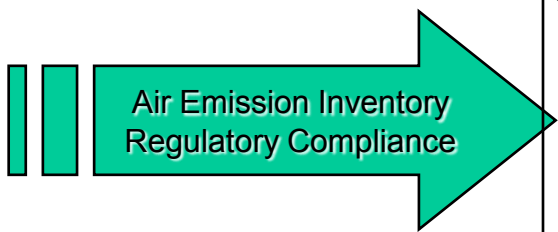
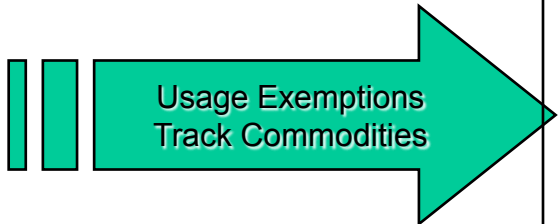
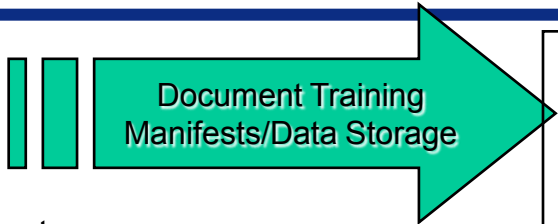


EESOH Program Drivers

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Hazardous Waste



EXECUTIVE ORDER 13423 Strengthening Federal Environmental, Energy, and Transportation Management

AFI 32-7042
40 CFR parts 260-272

AFI 32-7086, 32-7080
EPCRA—Emergency Planning and Community Right-to-Know Act
(42 U.S.C. 11001-11050)

AFI 32-7040
Required tracking of HAPS/NESHAPS usage
(42 U.S.C. 7412)

Required Air Emission Inventories: comply with Clean Air Act
(42 U.S.C. 7401-7671q)

AFI 32-7020
Restoration Transformation - SAF/IEE & AF/A7C pushing for change (OSD has criticized the Air Force's restoration data collection)



Hazardous Materials



AIR Quality



Cleanup



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EESOH-MIS

"Single Face to the Shop Floor"

One Stop Shopping for all E, S, OH constraints and requirements on the defined "Work Unit"

The screenshot displays the EESOH-MIS application interface within a Microsoft Internet Explorer browser. The browser address bar shows the URL: <http://ursula.eesoh.com/eesoh/portal/>. The application header includes the text "Welcome, Shop User. Mark's test shop SHOP. TEST INSTALLATION installation." and the date "February 20, 2006 (Week 8 / Day 51)".

The interface is divided into several sections:

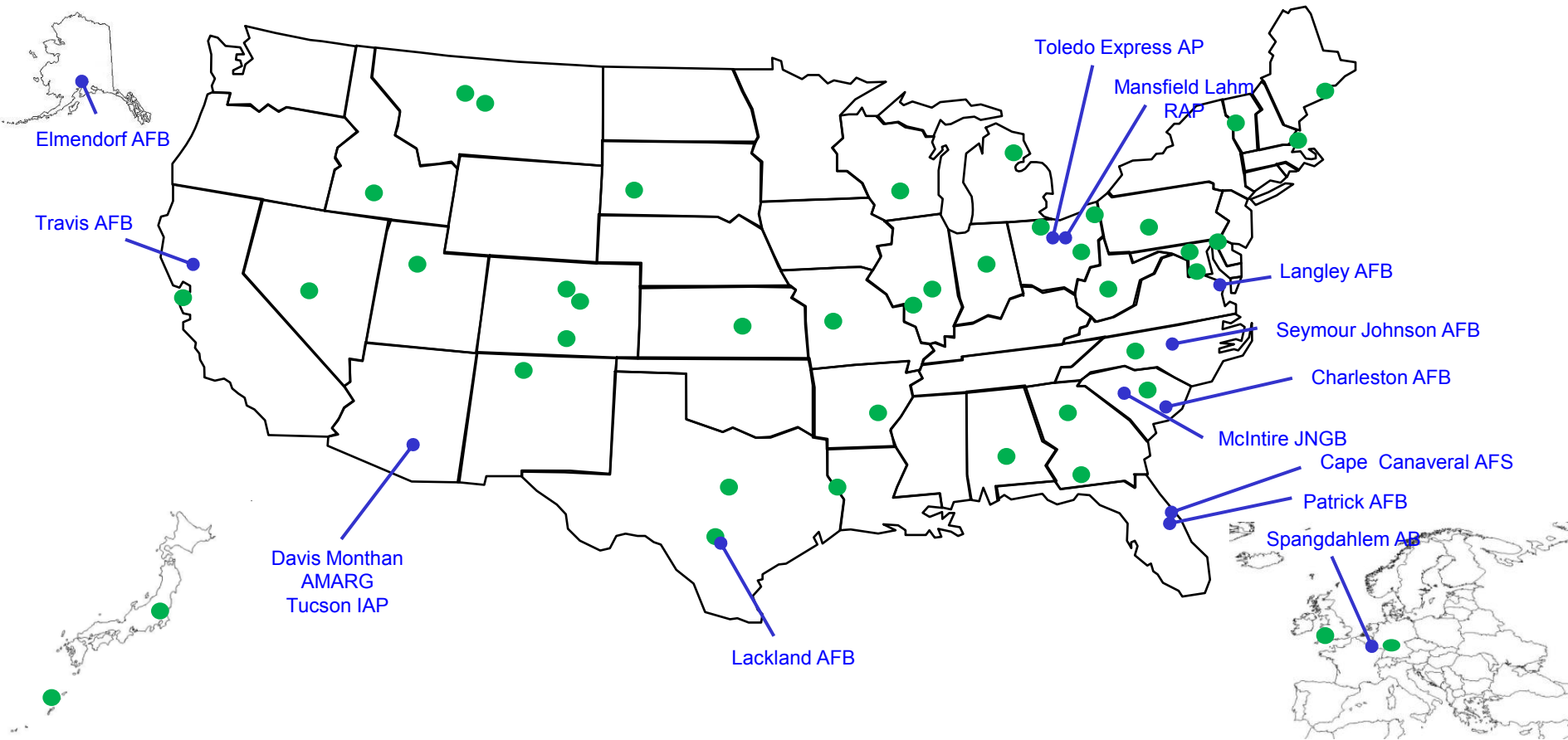
- Navigation Menus:**
 - Home:** EESOH Home, Work Basket, Reports
 - Media & Shared Areas:** Hazardous Materials, Administration, Material Management, Personnel Management
 - Installation Management:** Process Authorization, Manage Shop, Manage Hazmat, Manage Shop Groups, Manage Other ICP, Manage Contracts, Manage Equipment, Manage Locations, Manage Organizations
- Main Content Area:**
 - Header:** "Edit Process" with a "Help" button.
 - Form Fields:**
 - Local Process Name: Status: **Awaiting Approval** Shop Name: **Mark's test shop** [Retract Authorization]
 - Process Category: (Verified)
 - Process Type: (Verified)
 - Process Name: (Verified)
 - Write a description of the Process: (Verified)
 - Process ID: IAW10501000--
 - CCS Process Id:

Work defined once and used for all ESOH media and functions



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Where We Are



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■ **Challenges**

- **Air Force Portal**
- **Continually updated multiple databases (EMIS, CCS, EESOH Migration Tool) until LIVE with EESOH-MIS**
- **Operation/navigation of new database (EESOH-MIS)**
- **Development of new management and work practices**
- **Development of Standardized Processes**

■ **Benefits**

- **More accurate the data, less duplication in EESOH-MIS**
- **EESOH-MIS offers flexibility and will adapt to Air Force operations**



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Lessons Learned

- **Change Is Difficult**
 - **“Change is the law of life. And those who look only to the past or present are certain to miss the future.” John F. Kennedy**
- **Data Quality Vital**
 - **Migrating legacy data**
 - **Ensuring Enterprise Data is Accurate**
- **Transformation Across the Air Force**
 - **Standardizing Business Processes**



Benefits

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- **Reducing Toxic and Hazardous Chemicals under Executive Order (EO) 13423, *Strengthening Federal Environmental, Energy, and Transportation Management***
- **Supports ESOH MS**
- **EESOH-MIS allows total visibility across weapon systems and processes for reduction efforts**
 - **Reduction effort reporting visible at all levels**
 - **Installation, Major Command, Headquarters, OSD**
 - **Transparency**
 - **Efficiency**



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Questions

Questions

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