

Headquarters U.S. Air Force

Leveraging EMS and VPP



U.S. AIR FORCE

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Overview

-
- The EESOH Management Framework
 - Voluntary Protection Program (VPP) Overview
 - VPP & the Air Force
 - Environmental Management Systems (EMS) Overview
 - EMS & the Air Force
 - Integration of VPP & EMS
 - Questions

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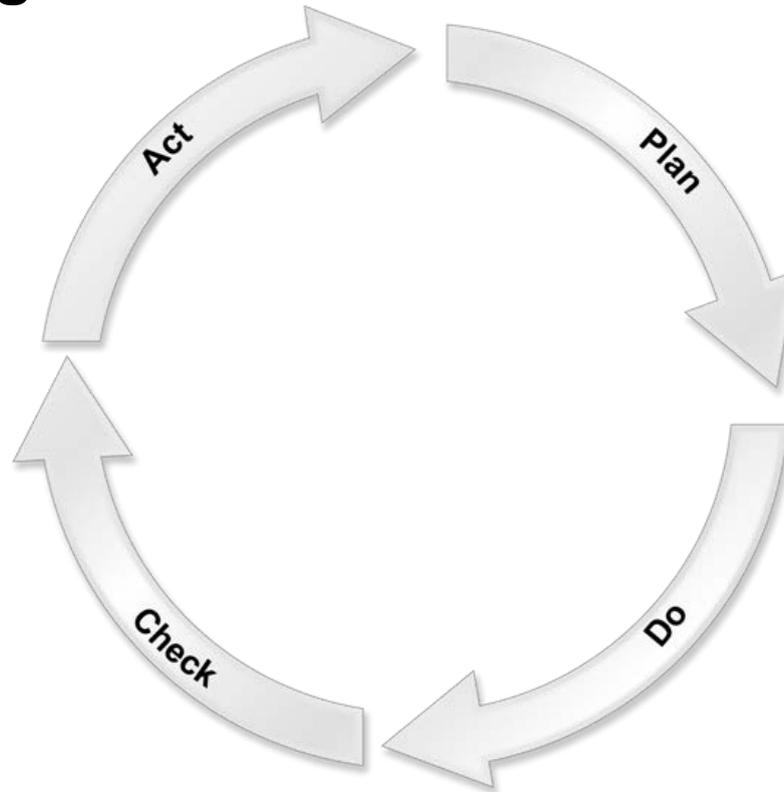
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Air Force EESOH Management

- **Energy, Environment, Safety and Occupational Health Management in the Air Force**



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VPP & EMS

-
- **Common Elements of VPP & EMS**
 - **Worker Involvement**
 - **Feedback Improvement**
 - **Management Responsibilities**

 - **VPP Emphasizes the PEOPLE side of doing business**
 - **EMS Emphasizes the SYSTEMS to protect the environment**

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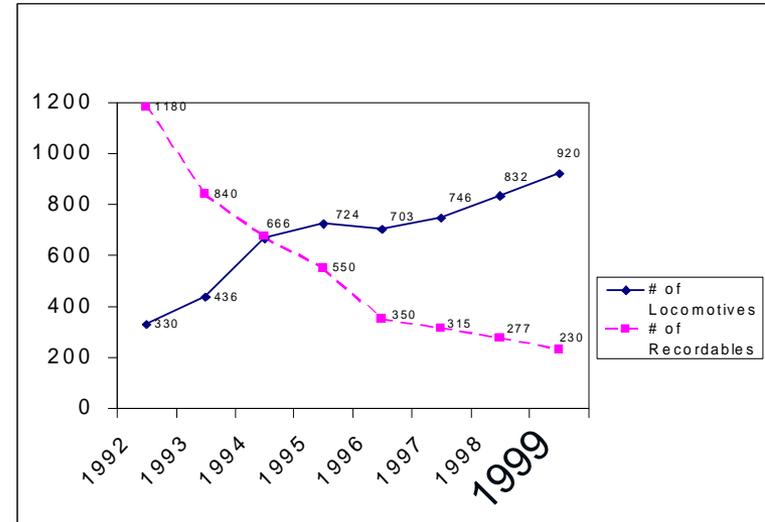
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Voluntary Protection Program Overview

- VPP is recognition by the Occupational Safety and Health Administration (OSHA) for Safety and Occupational Health Program Excellence
- Participating agencies have experienced dramatic reductions in mishaps
- VPP is a performance-based safety excellence process
- OSHA evaluates participating companies/federal agencies on site
- Recognizes superior performance - “Star Status”



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Key Elements of VPP

- ***Occupational Safety and Health Act of 1970***

- **The Five Key Elements of VPP:**
 - **Management and Leadership Commitment**
 - **Employee Involvement**
 - **Worksite Analysis**
 - **Hazard Prevention and Control**
 - **Safety and Health Training**

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VPP Recognition Programs

- **MERIT-** good safety and health programs
- **STAR DEMONSTRATION-** Star quality safety & health programs, but requires demonstration and/or testing
- **STAR-** Sites that have distinguished themselves with the highest level of safety and health excellence



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Employee Benefits



- **Fewer Injuries**
- **Improved Employee Motivation to Work Safely**
- **Reduced Workers' Compensation Costs**
- **Community Recognition**
- **Employee Ownership of Safety**
- **Improving Programs through Internal/External Review**

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Air Force VPP ***“The Wingman’s Safety Program”***

- **Good compliance-based safety and health program**
- **Mature wingman and flight/weapons safety culture**
- **Need to mature wingman concept in ground safety**
 - **Expand wingman and safety out of the usual lanes**
 - **Every airman looking out for his wingman-- ON and OFF duty**
- **VPP fosters expansion of wingman concept to ground safety**
 - **Identify and reduce hazards and inefficiencies**
 - **Improve workforce availability by reducing on- and off-duty mishaps**

End state: *Every Airman and his Wingman actively identifying and taking action to eliminate safety and health hazards*

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Air Force VPP Implementation Progress

2006	2007	2008
Altus	Buckley	Cannon
Eielson	David Grant Medical Center (Travis)	Charleston
Hanscom	Edwards	Dover
Hill (10 sites)	Eglin	Dyess
Holloman	Elmendorf	Goodfellow
Tinker (7 sites)	Fairchild	Laughlin
Travis	Hurlburt	MacDill
Warner Robins (8 sites)	Kirtland	Malmstrom
Wright Patterson	McGuire	Scott
	Whiteman	Sheppard
		Seymour Johnson

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Key Air Force VPP Takeaways

- **VPP = wingman ground safety and AFSO21 Initiatives**
- **Build on current USAF AFOSH program**
- **Improve AFOSH performance**

***Ask Yourself - Am I doing everything
I can to keep my wingman safe?***

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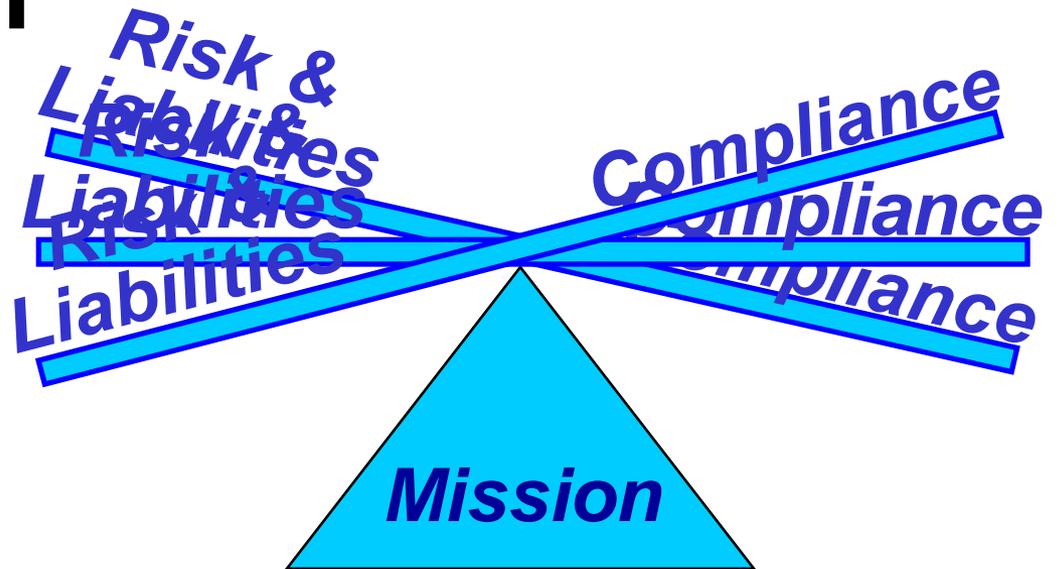
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Environmental Management System Overview

- **Structure**
- **Awareness**
- **Participation**



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Key Elements of EMS

-
- **International Standards Organization (ISO) 14001,
*Environmental Management Systems***

 - **The Key Elements of EMS:**
 - **Policy**
 - **Planning**
 - **Implementation and Operation**
 - **Checking and Corrective Action**
 - **Management Review**

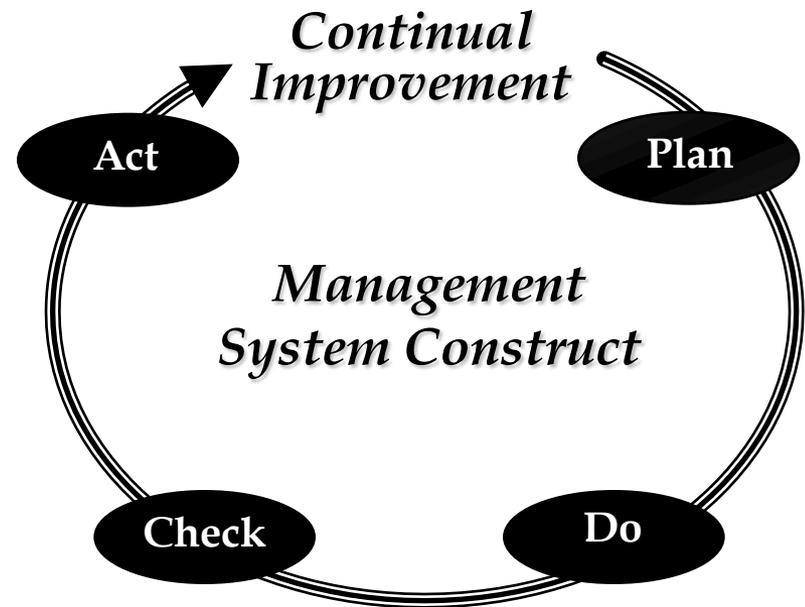
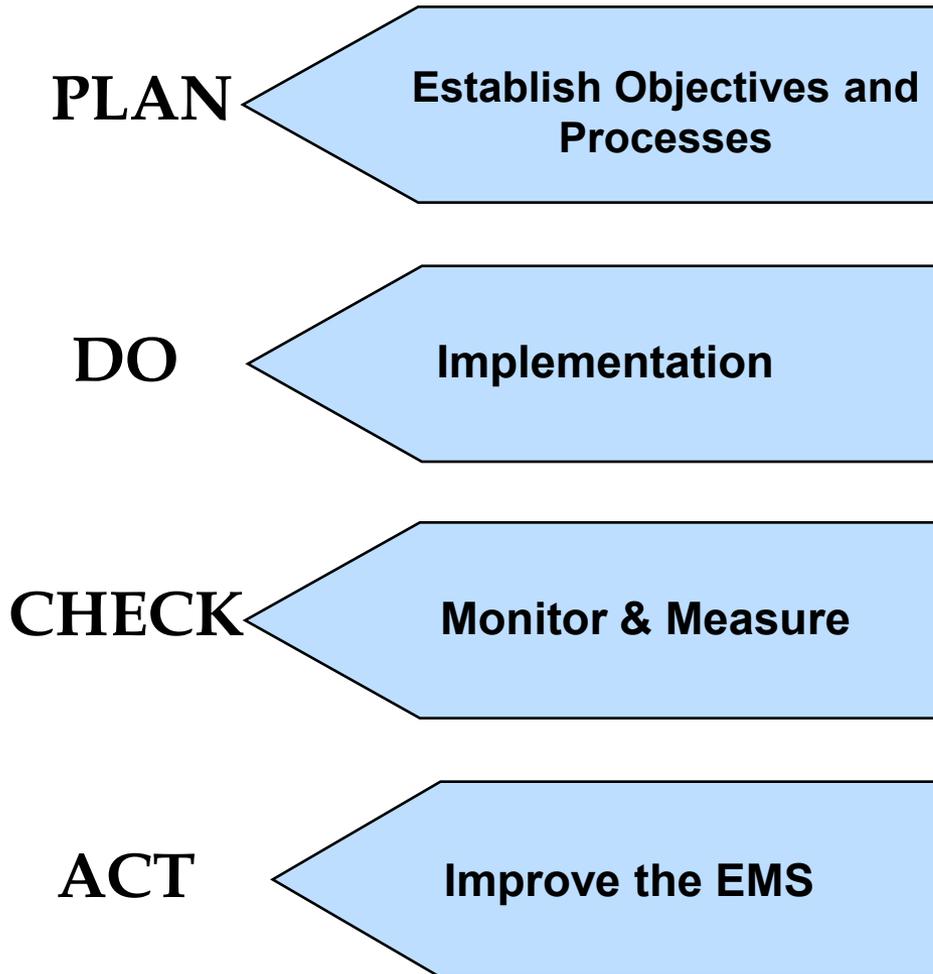
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EMS & The Plan-Do-Check-Act Model



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System Performance Improvements

- **Improve Regulatory Compliance**
- **Prevent Pollution and Conserve Resources**
- **Increase Productivity/Improve Bottom Line**
- **Document Procedures and Improve Consistency**
- **Enhance Employee Morale**
- **Improve Safety/Reduce Environmental Liability**
- **Enhance Image and Improve Relationships**

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EMS and the Air Force

- **EXECUTIVE ORDER 13423: *Strengthening Federal Environmental, Energy, and Transportation Management***
 - (Signed Jan 24, 2007)
 - Replaces several executive orders
 - Implies **Significant Environmental Aspects (SEAs)**
 - Mandates **Objectives & Targets (O&Ts)** at the Agency level

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Fully Conforming vs. Fully Implemented

■ **“Fully Conforming”**

- Meets standards established in ISO 14001
- ESOH council chairperson signs a self-declaration memo

■ **“Fully Implemented”**

- EMS shall be considered fully implemented when
 - Formal second party audit
 - Audit findings have been recognized
 - Declared conformance

Fully Implemented by Dec 09

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Integration of EMS and VPP

■ **Efficiencies gained**

- **Both set goals to control/minimize/eliminate risks and liabilities associated with activities and processes**
- **Promote safe work, following procedures, protecting the environment, continual improvement**
- **Rely heavily on personnel closest to the process or operation**
- **Increased communication and employee morale**
- **Provides AF personnel greater understanding of their responsibility and accountability for identifying and acting to abate hazards and risks**

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EMS & VPP Commonalities

Environmental Management System ISO 14001: 2004	Voluntary Protection Program 65 FR 45650 ⁵	Efficiencies Created by Leveraging EMS and VPP
EMS Requirements	VPP Requirements	
Environmental Policy Statement	Senior Leader Management Commitment	<i>Integration and strengthens communication</i>
Planning	Worksite Analysis	
Environmental Aspect Inventory	Job Safety/Hazard Analysis	<i>Identify OH&S hazards and aspects concurrently preventing redundancies</i>
Legal and Other Requirements	VPP Technical Requirements	<i>ESOH CAMPs assess both</i>
Objectives and Targets	Goals and Objectives	<i>Reviewed concurrently during ESOH Council meetings</i>

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EMS & VPP Commonalities

Environmental Management System ISO 14001: 2004	Voluntary Protection Program 65 FR 45650⁵	Efficiencies Created by Leveraging EMS and VPP
Implementation and Operation	Hazard Prevention and Control	
Resources, Roles, Responsibility and Authority	Responsibilities, Authorities and Resources	<i>Roles and responsibilities includes accountability</i>
Competence, Training and Awareness	Safety and Health Training	<i>Minimizes duplication</i>
Operational Control	System for Tracking Hazard Correction	<i>Adopt a standard system to track ESOH</i>
Emergency Preparedness and Response	Contractor Safety, Accident/Incident Investigations	<i>Integrate into one comprehensive emergency preparedness plan</i>

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EMS & VPP Commonalities

Environmental Management System ISO 14001: 2004	Voluntary Protection Program 65 FR 45650 ⁵	Efficiencies Created by Leveraging EMS and VPP
Checking and Corrective Action	Hazard Prevention and Control	
Monitoring and Measurement	Written Preventive/Predictive Maintenance System	<i>Reduction in ESOH critical equipment</i>
Evaluation of Compliance	OSHA Assessment	<i>Minimize duplication in assessments</i>
Records	Documented Self-Inspections (Records)	<i>Adopt a standard system</i>
Internal Audit	Annual Self Evaluation	<i>Adopt a standard system</i>
Management Review	<i>Implied Continual Improvement Cycle</i>	

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Fairchild AFB, WA

Example

- **ESOH concerns about cleaning hangar floors**
 - **Hazardous chemicals and water usage**
- **Employee-led team found dry cleaning process**
- **New system saves water and does not require hazardous chemicals**
- **Benefits:**
 - **No wet floors eliminating slip/fall hazard**
 - **Reduced exposure to hazardous chemicals**
 - **Does not produce wastewater**
- **Won 2007 Secretary Of Defense Environmental Award**

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Summary

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- **Successful integration depends on management commitment and ongoing communication**
 - **An effective cross functional team is important**
 - **Taking advantage of EMS and VPP strengths will lead to continual improvement**

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QUESTIONS?



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