



Training Slides



Environmental Management System (EMS)



Umbrella of the Environmental Program



Reasons for EMS in the U.S. Army



Executive Order 13423

“Strengthening Federal Environmental, Energy, and Transportation Management”

signed by President George W. Bush in **Jan 2007**, requires all U.S. government organizations to implement an EMS



Executive Order 13514

“Federal Leadership in Environmental, Energy and Economic Performance”

signed by President Obama on **Oct 05, 2009**. It expands upon the energy reduction and environmental performance requirements of EO 13423.



Scope



- Fence to Fence

Soldiers

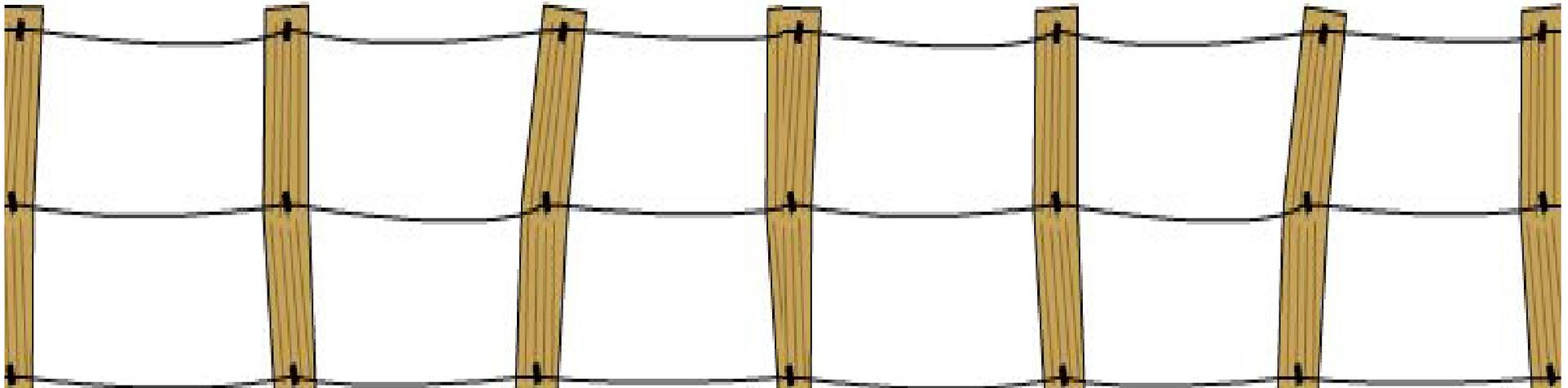
Families

Contractors

Tenants

Activities

Products and Services





EMS – Basics



- **ISO 14001**

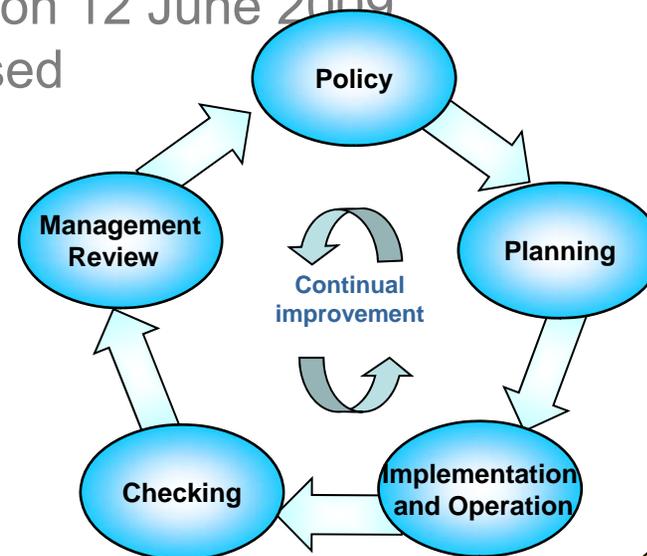
Army leadership has decided to use the ISO 14001 standard as a model for developing and implementation an EMS. = General Guide Line

- **Conformance**

- required by 31 December 2009
- letter signed by COL Sorensen on 12 June 2009 after an external audit was passed

- **Annual Circle**

Goal: Continual Improvement



**ISO 14001
EMS**

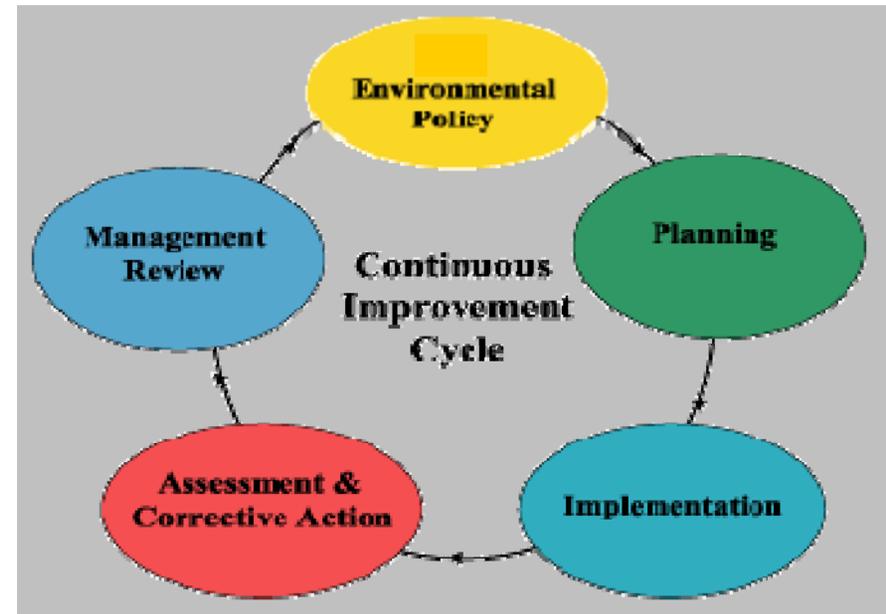


Key Elements of ISO 14001



Major Components:

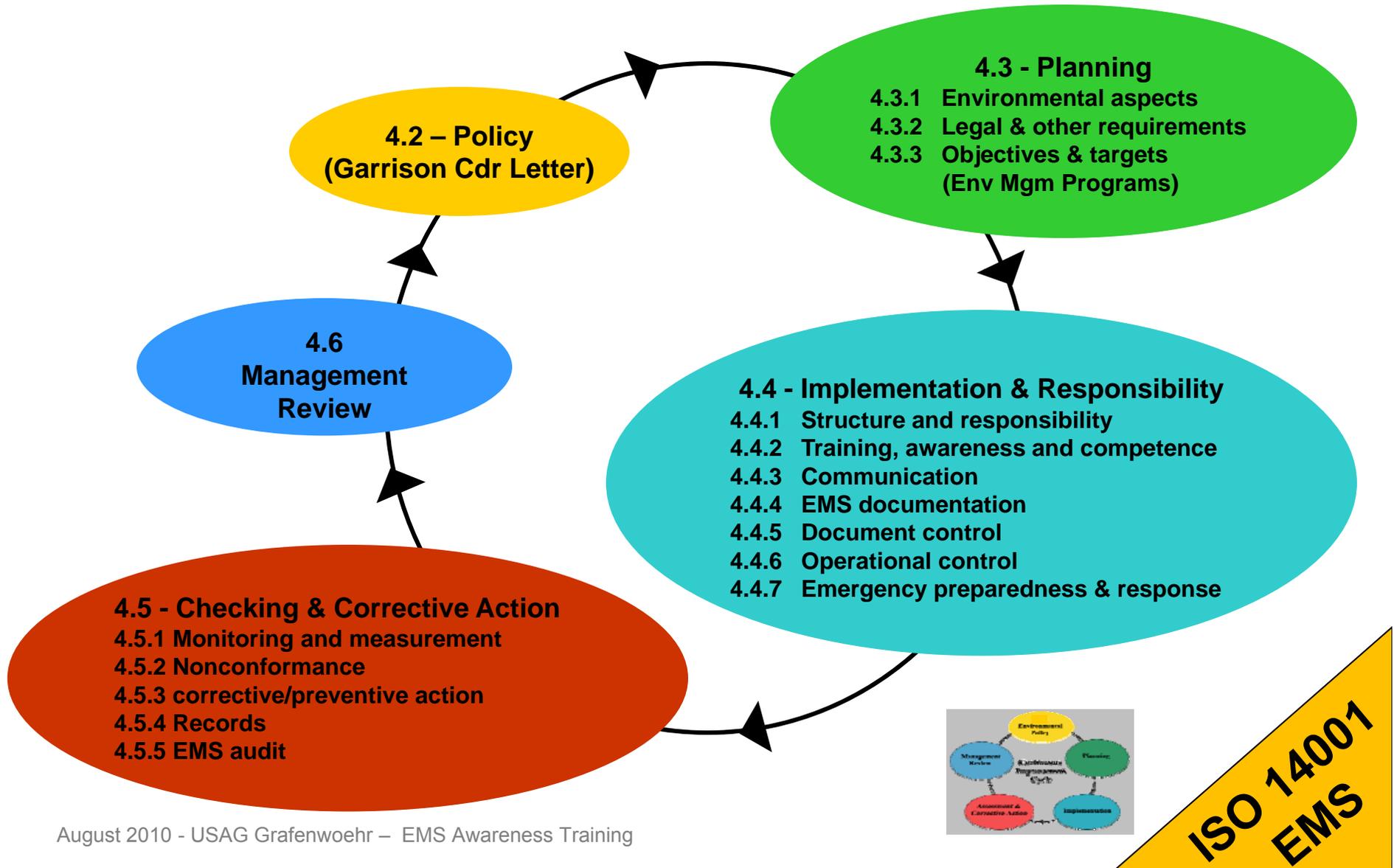
- Environmental Policy
- Planning
- Implementation and Operation
- Checking and Corrective Action
- Management Review



Bottom Line:

Continuous Improvement

ISO 14001 - Elements





EMS – Policy



1. Prevent pollution
2. Minimize resource use
3. Improve environmental performance
4. Meet environmental legislation
5. Increase environmental awareness

=> Provide for future generations !



DEPARTMENT OF THE ARMY
UNITED STATES ARMY GARRISON GRAFENWOEHR
UNIT 28130
APO AE 09114-8130

IMEU-GFW-ZA

12 November 2008

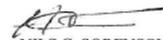
MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy Letter #20; Environmental Management System (EMS)

1. **Effective Date.** This policy letter remains in effect until superseded or rescinded.
2. **Scope and Punitive Effect.** This policy letter applies to civilian and military personnel working for or on behalf of the USAG Grafenwoehr, USAG Garmisch and USAG Hohenfels, to include host and tenant organizations and contractors.
3. **Policy.** It is the mission of the Garrison to command, control and operate the installation to provide a high quality training environment while caring for the people and maintaining and improving installation services, infrastructure and the environment. To sustain this mission, we strive to achieve a fully implemented ISO 14001-conformant Environmental Management System (EMS) NLT 30 Sep 09.

4. The policy, EMS awareness training and more background information is available to all Garrison personnel, contractors and the public through Public Affairs and the Garrison homepage <http://www.grafenwoehr.army.mil/usag%5Fdwp/ems/ems.asp>.

5. **Point of Contact.** The EMS Management Representative (EMSMR) supported by the EMS Cross Functional Team (CFT) is designated as the EMS action officer. Points of contact are Mr. Thomas E. Hays, Director of Public Works (DSN 475-7754) and Mr. Manfred Rieck, Chief, Environmental Division (DSN 475-7209).


NILS C. SORENSON
COL, SF
Commanding

DISTRIBUTION:
A

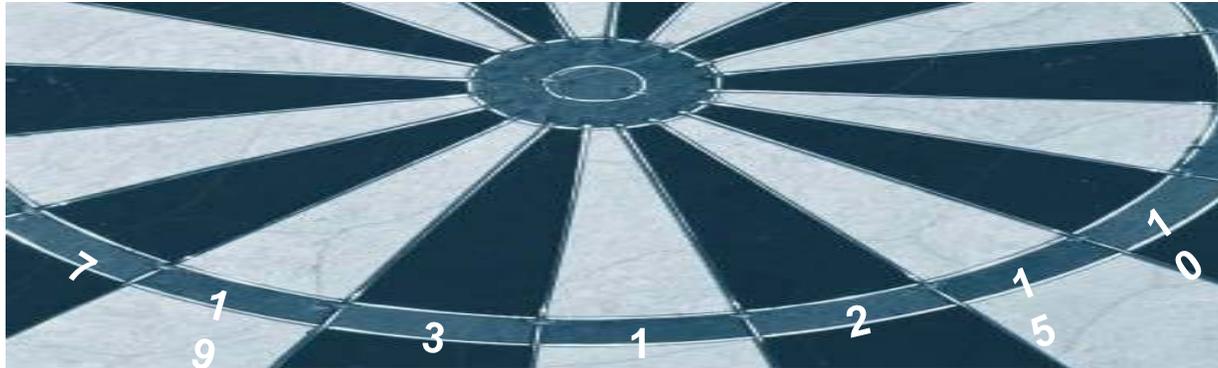
ISO 14001
EMS



EMS – Planning



1. Identify environmental **aspects and impacts**
2. Establish and maintain measurable **objectives and targets** for the identified significant aspects.



Our Goals (Significant Aspects)

- **Reduce asbestos in buildings**
- **Reduce spills**
- **Reduce energy consumption**



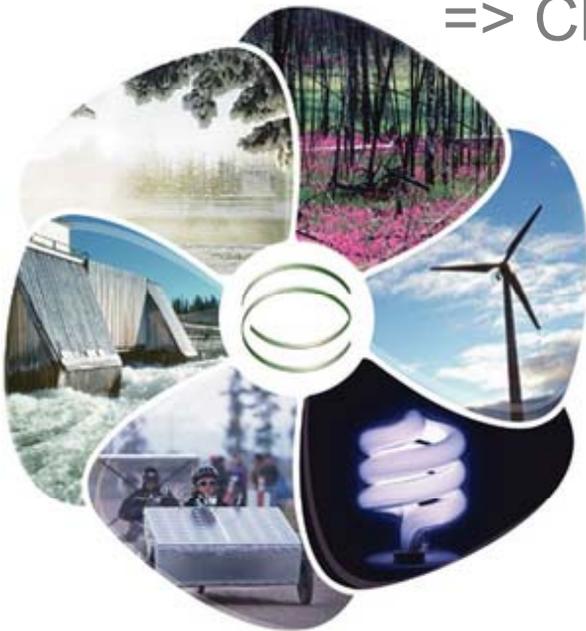
Example Objective



Example – Use of Energy

Objective => Reduce energy Consumption

Method => Analyze data
=> Set quantitative targets
=> Initiate projects (e.g. photovoltaic)
=> Change habits (train employees)





Implementation and Operation



Example Energy Reduction

EMS in daily operations

- ▶ Training and Policies - Awareness (e.g. computer shut-off policy)
- ▶ Records & documentation (energy database)
- ▶ Plans & environmental programs (install meters, install technical innovations, photovoltaic)



EMS – Checking/Mgmt Review



Checking

Audits (Internal and External EPAS)

- Check if ISO 14001 is met
- Check if legal requirements are met

Management Review

- Present results to management

⇒ Re-adjust methods and targets if necessary



EMS - Things you can do



- Know environmental aspects/
impacts of your job
- Know Emergency Response Procedures
(e.g. spill response)
- Report problems
 - Environmental compliance
 - Process improvements and environmental/safety issues



Things you can do



Things you can do

→ Inform yourself

<http://www.grafenwoehr.army.mil/usag%5Fdpw/>

→ Do your share – just a few simple things you can do!



... do oil changes in designated areas only...



Dispose of electronic scrap separately!



... turn off lights when not needed ..



Save water!



don't forget to recycle...



...place used batteries in labeled containers..



Don't idle!

ISO 14001
EMS



EMS - Benefits



- **Coordinated approach** (umbrella)

Ensures that all employees are properly trained and know environmental impacts of their activities

⇒ Reduces negative impacts on environment

⇒ Increases compliance with environmental laws

⇒ Reduces costs

- **Proactive vs. reactive**

⇒ Reduces environmental risks

- Supports the **mission**

- Enhances **image with the public**



**ISO 14001
EMS**



Point of Contact:



POC is the EMS coordinator for the USAG Grafenwoehr

- **EMS coordinator Manfred Rieck**
Tel.: DSN 475 – 7209
- **Alternate Elisabeth Prem**
Tel.: DSN 476 – 2944

Intranet/Internet Homepage

- **<https://intranet.grafenwoehr.army.mil/dpw/dpw.htm>**
- **http://www.grafenwoehr.army.mil/usag%5Fdpw/environmental/services_env_all.asp**