



EMS Awareness



Environmental Management System (EMS)



Umbrella of the Environmental Program



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.

- **ISO 14001**

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

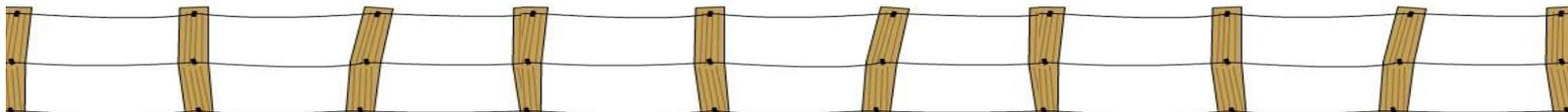
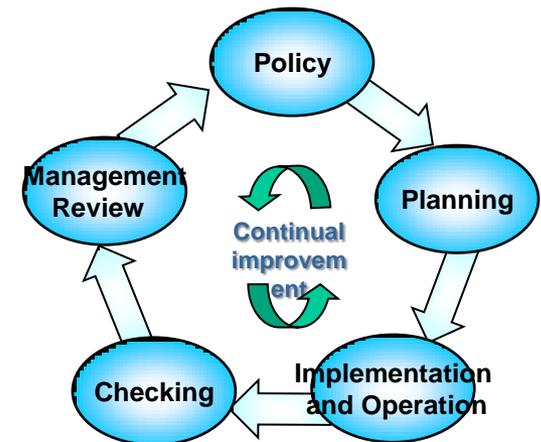
- **Conformance**

- required by 31 December 2009
- letter signed 11 April 2011 after the last external audit was passed

- **Scope**

Fence to Fence

Soldiers, US and Local Employees, Tenants, Activities, Contractors, Products and Services



- **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

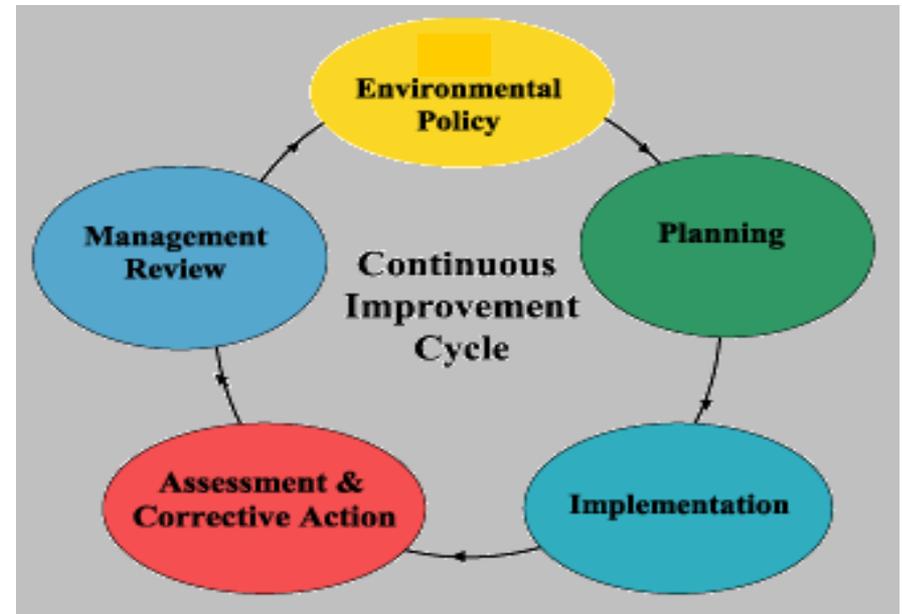
- Supports the **mission**

- Enhances **image with the public**



Major Components:

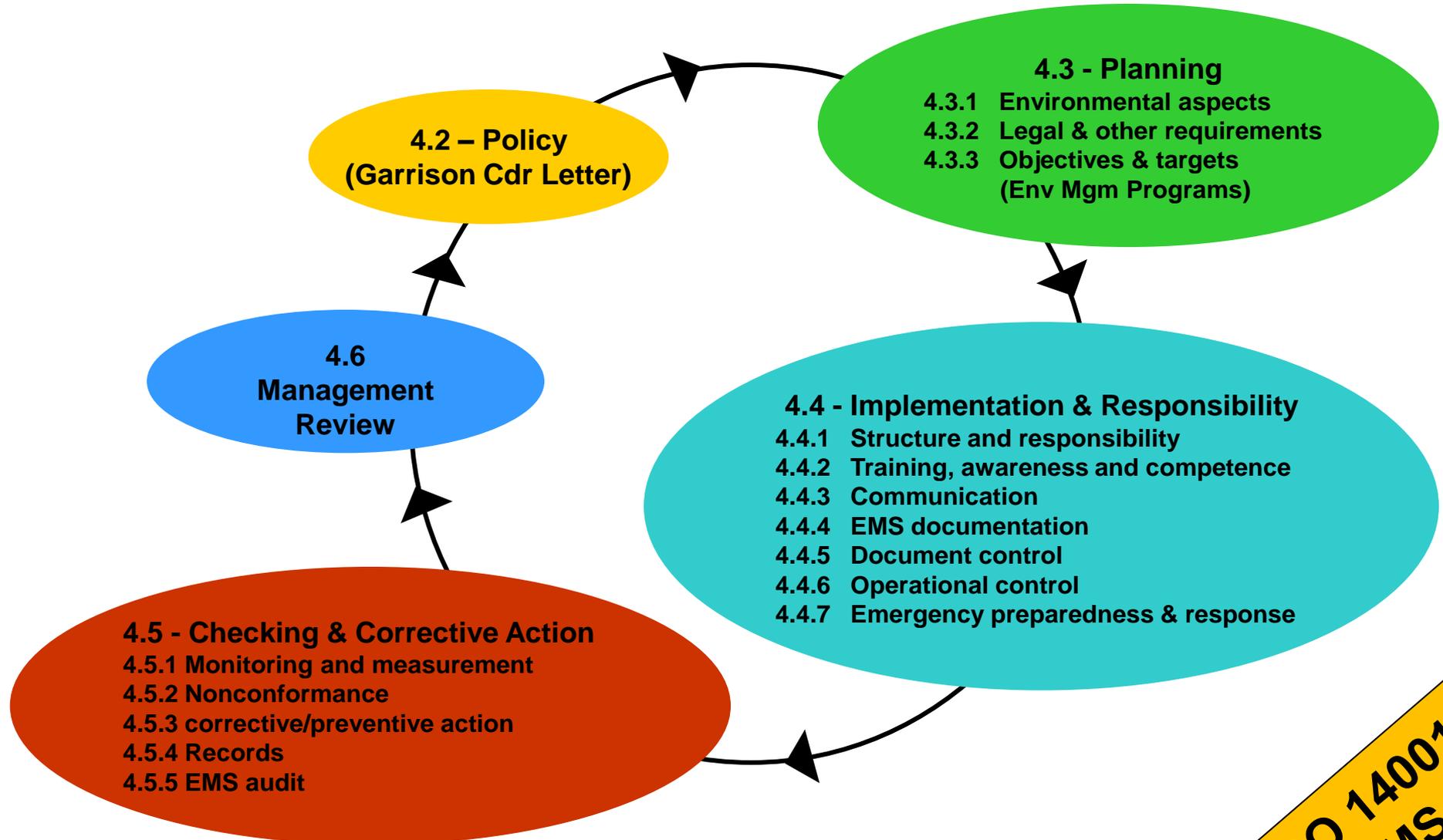
- Environmental Policy
- Planning
- Implementation and Operation
- Checking and Corrective Action
- Management Review



Bottom Line:

Continuous Improvement

ISO 14001 - Elements





EMS – Policy



Signed by the Commanders of USAG Bavaria on 17 December 2013);
command policy letter no. 19 available at the Garrison home page

<http://www.grafenwoehr.army.mil/policies.asp>

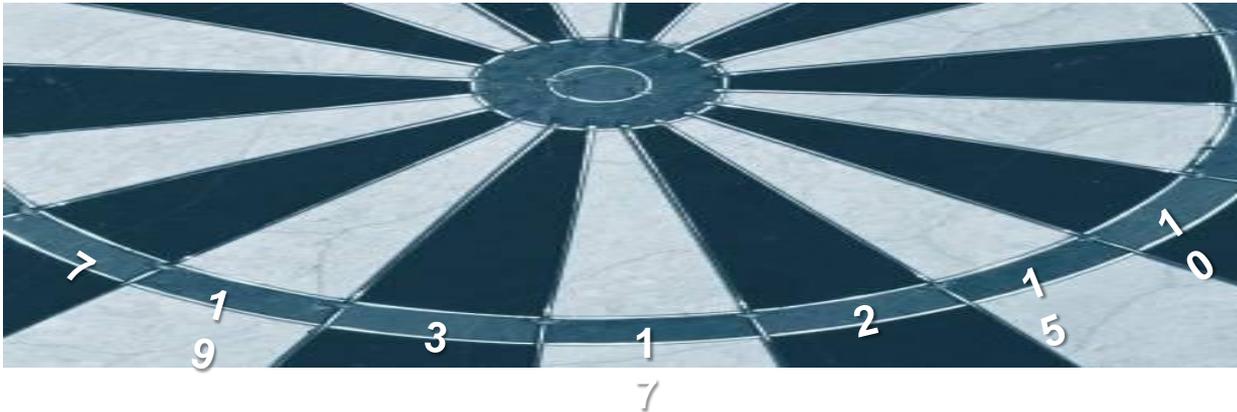
Goals

1. Promote mission sustainability and readiness
2. Improve environmental performance
3. Minimize resource use and prevent pollution
4. Meet US and host nation environmental legislation
5. Increase environmental awareness
6. Maintain positive relationship with Government agencies, host nation and local communities

=> Provide for future generations !

EMS – Planning

1. Identify environmental **aspects and impacts**
2. Establish and maintain measurable **objectives and targets.**



Our Goals

- Reduce asbestos in buildings
- Reduce energy consumption
- Implement Green Procurement Program (GPP)

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)**

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**
 - hazardous materials, hazardous waste (including asbestos)
 - environmentally friendly purchasing (green procurement)
 - paper use
 - energy use
 - etc.
- **Know Emergency Response Procedures**
e.g. spill response procedures
- **Report problems**
 - environmental compliance
 - process improvements and environmental/safety issues

Things you can do

→ Inform yourself

http://www.grafenwoehr.army.mil/usag_dpw/environmental/services_env_all.asp



... 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!

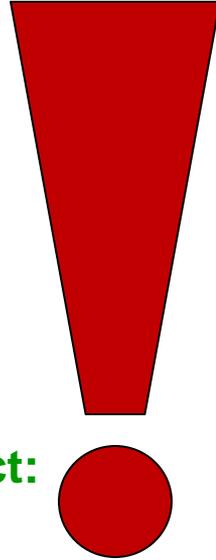
Things you need to know about the EMS

Each auditee may expect the following questions:

- 1) Do you know the Garrison EMS Policy? – Where would you find it?
At the garrison home page <http://www.grafenwoehr.army.mil/policies.asp>.
Please also post it on bulletin boards!
- 2) Does the Garrison put special emphasis on environmental issues? Which are these?
Energy saving, asbestos reduction, green procurement
- 3) What impacts does your job have on the environment?
Energy use, creation of hazardous waste, etc.

Further questions depending on type/severity of environmental impact:

- 4) Did you/your staff receive environmental training to do your/their job?
Are records kept?
Depends on type of job, examples of environmental training are EO training, environmental review training, green procurement training, spill training, contamination cleanup training, natural resources training, POL separator/storage tank management.
Training records need to be kept by the organization or the individual person.
- 5) Are you aware of any operating procedures to help you/your staff do your/their job in compliance with environmental laws/requirements? (e.g. SOPs, MSDSs, policy letters, etc.)
Solid waste disposal guide, spill (red) plan, hazardous waste disposal guide, energy SOP, etc.
- 6) What would you/your staff do in case of an environmental emergency? (e.g. oil spill)
Call the fire department (117). Check red plan (to be posted at each shop).



ISO 14001
EMS



Point of Contact:



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Internet

http://www.grafenwoehr.army.mil/usag%5Fdpw/environmental/services_env_all.asp

Sharepoint

<https://home.army.mil/sites/eur/Ger/gra/dpw/Environmental/SitePages/Home.aspx>

(use e-mail certificate to open site)