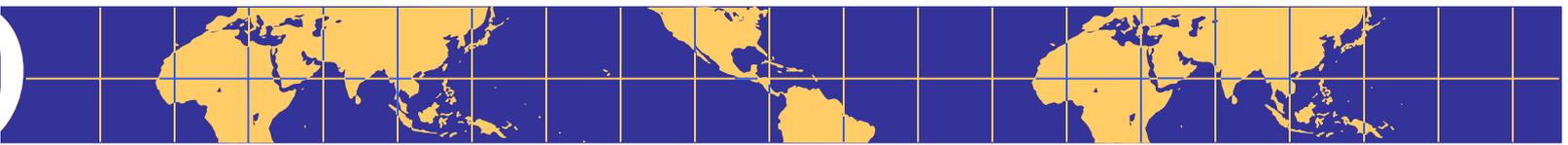


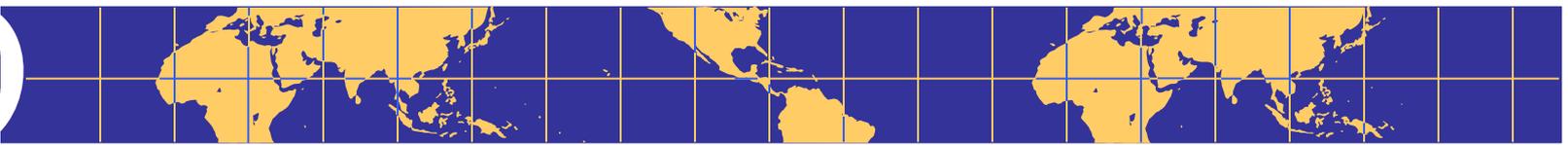


Environmental Management  
System (EMS)  
Awareness Training



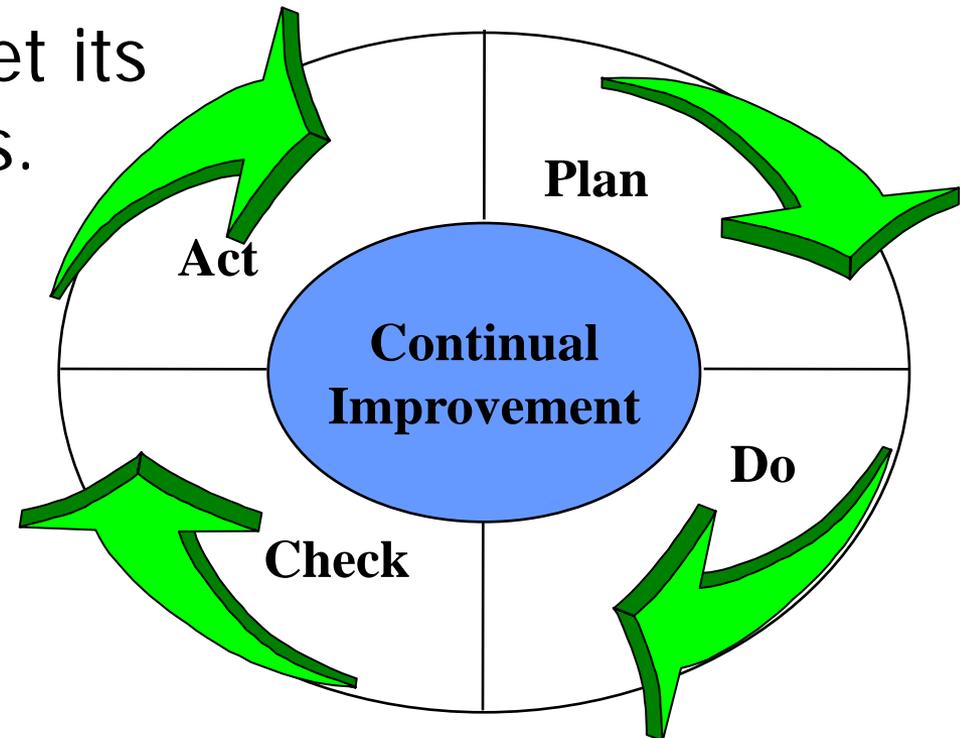
## *Outline*

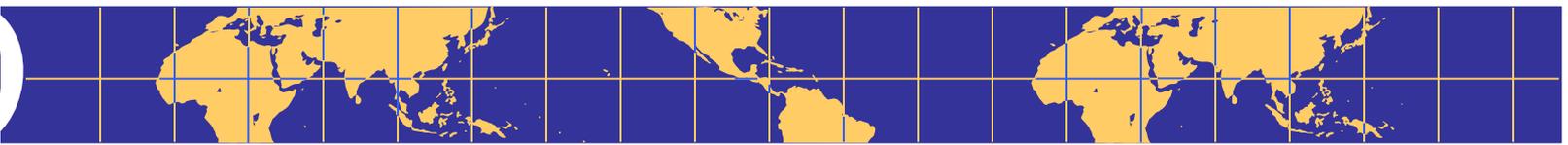
- What is an Environmental Management System?
- Why have an EMS?
- What is ISO?
- What are the Components of an EMS?
- What are the USAG FWA Aspects?
- What Role Do You Play in EMS?



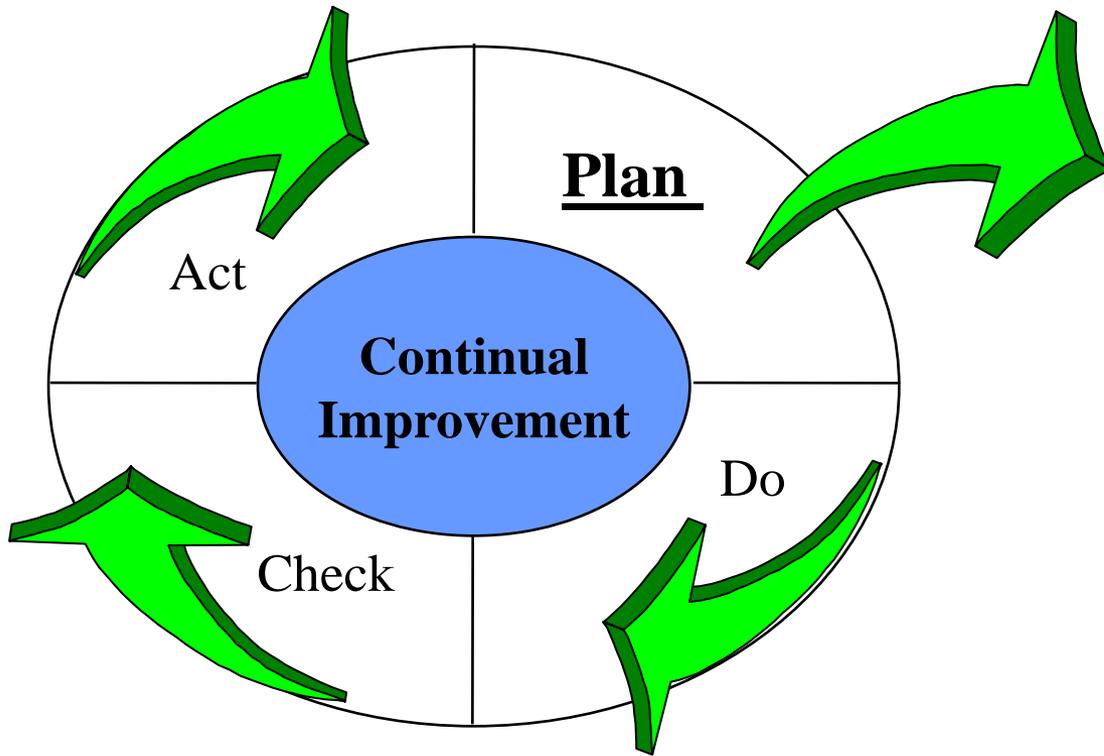
# *Definition*

Environmental Management System: a continual cycle of planning, implementing, reviewing and improving the actions an organization takes to meet its environmental obligations.





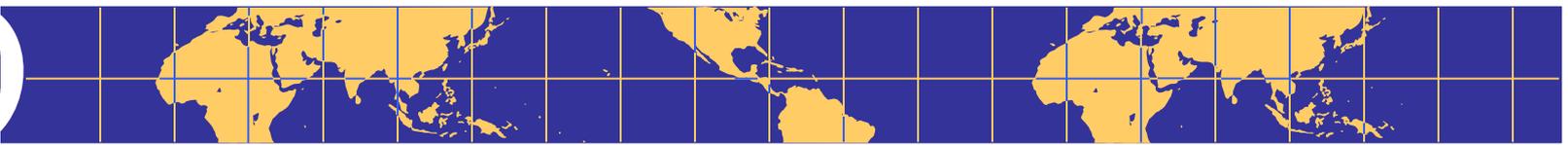
# *Continual Improvement Model*



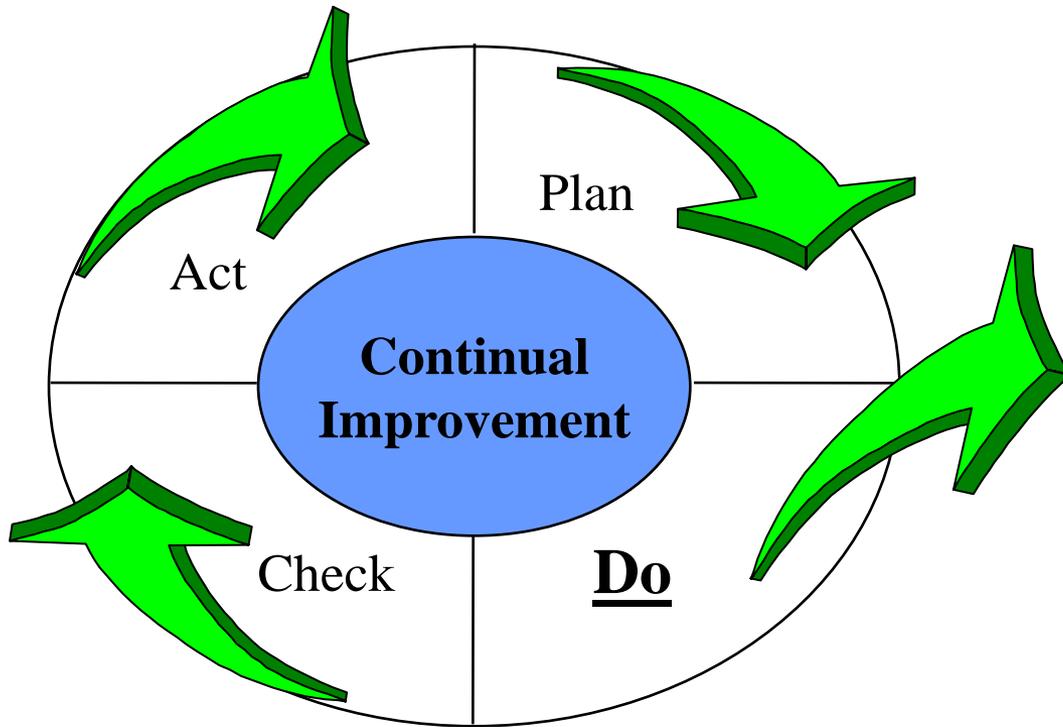
## Plan

Environmental  
Policy Statement

Establish targets  
and objectives

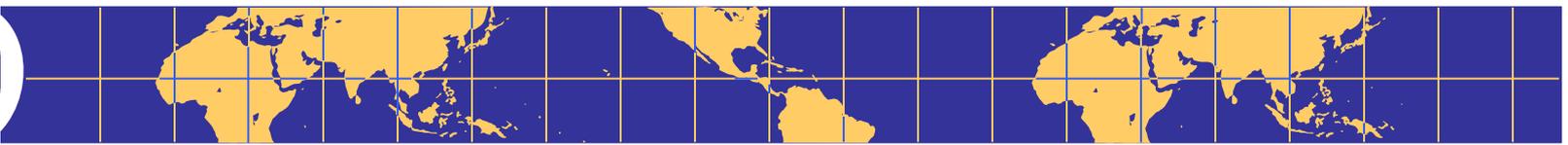


# *Continual Improvement Model*



## Do

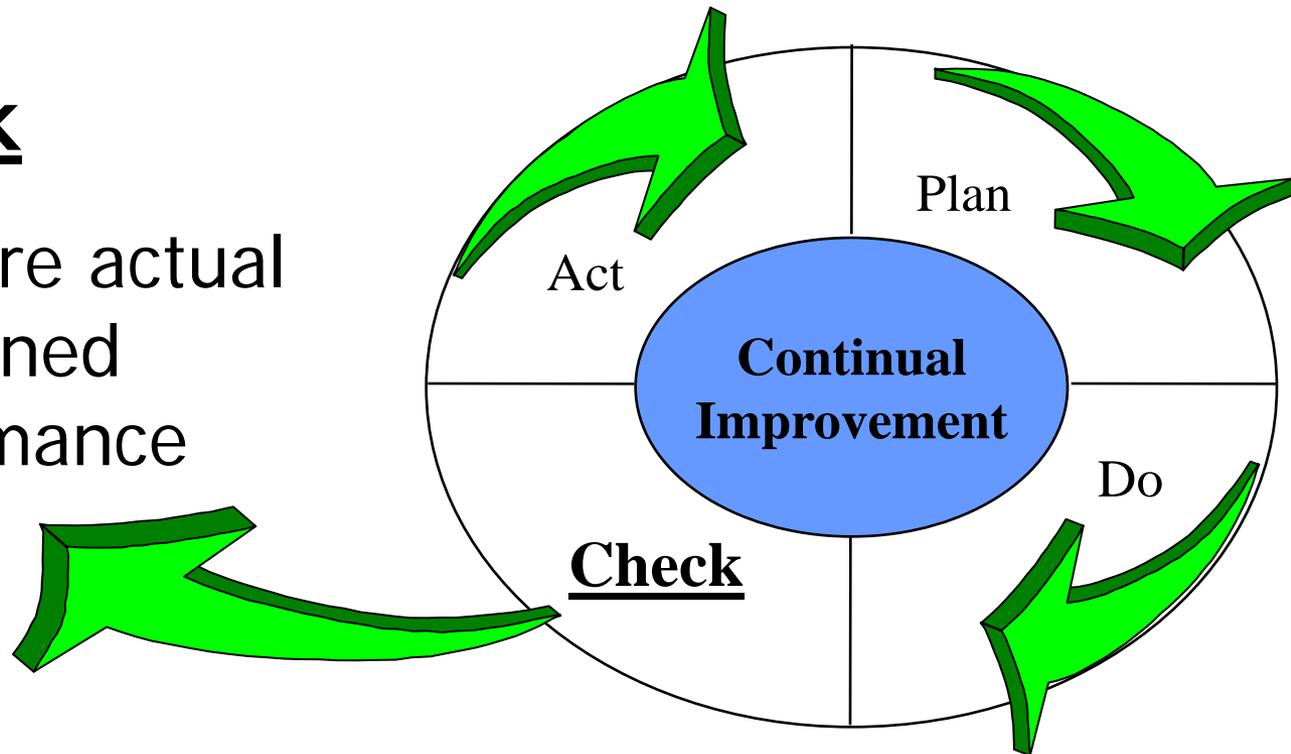
Implement  
what you say  
you will do

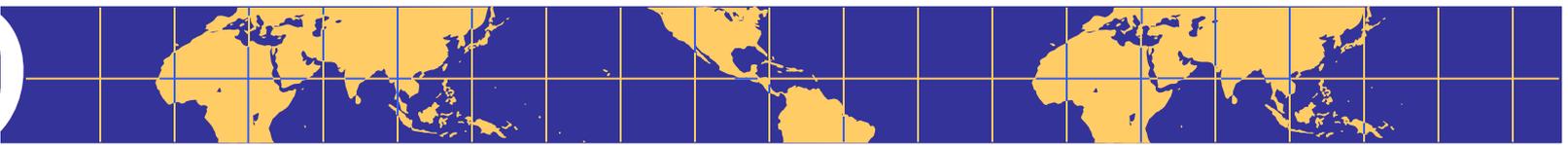


# *Continual Improvement Model*

## Check

Compare actual  
to planned  
performance

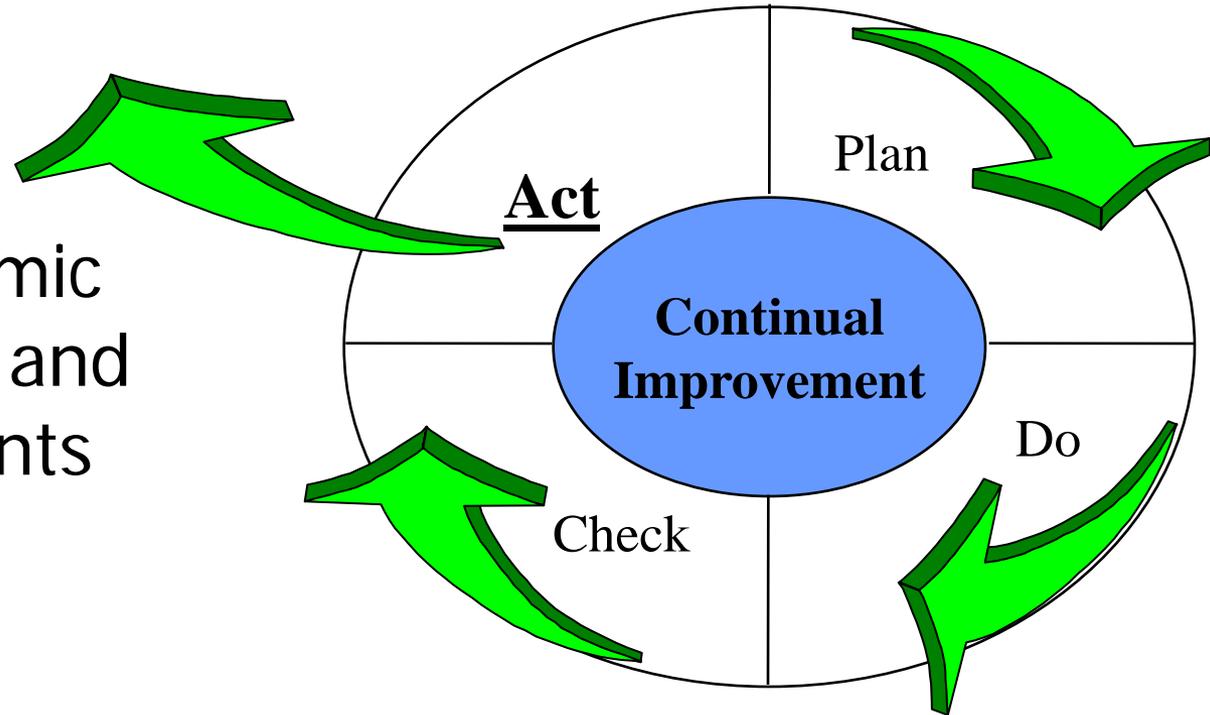


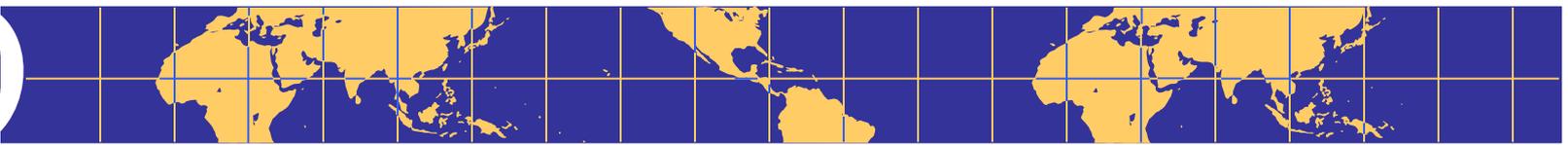


# *Continual Improvement Model*

## Act

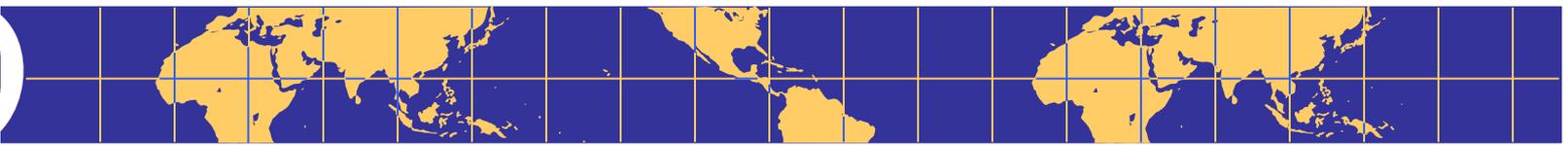
Make systemic corrections and improvements





## *Why Have an EMS??*

- EMS required by Executive Order 13148, 13423, and 13514.
- DA Policy Memorandum, 13 Jul 01
- USAG-AK Policy Memorandum #01-02  
30 Sep 2003



# *International Organization for Standardization*

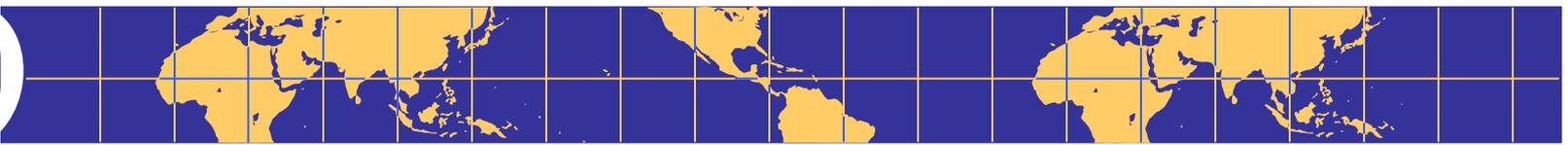
- Founded in Geneva in 1946
- Until the 1980's ISO dealt only with product standards (ISO film speed, paper sizes, thickness of credit cards)





# *ISO Management Systems*

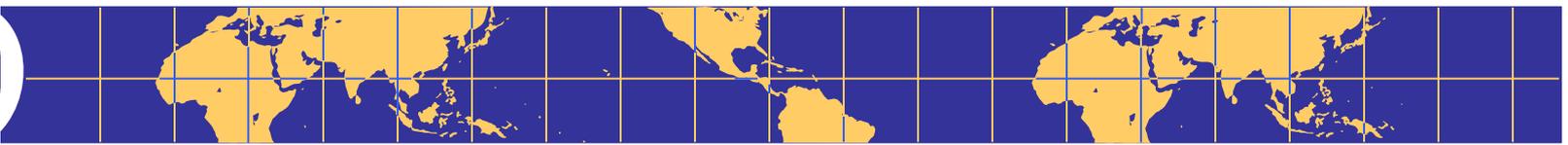
- ISO 9000 – first voluntary “management system” standard
- ISO 14000- Environmental Management System



# Why Am I Here?

- EMS = Environmental Management System
- EMS = Everyone's Management System
- SMS = Sustainable Management System





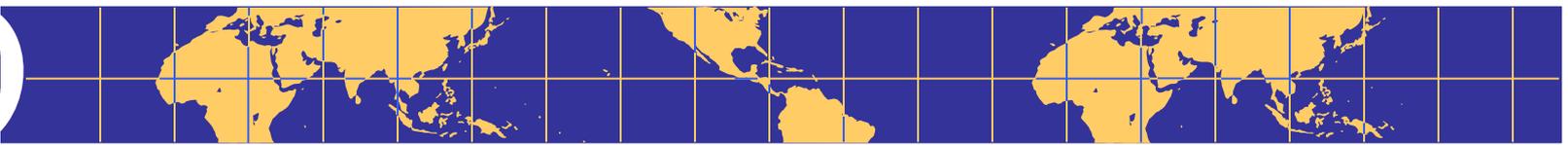
# *FWA Environmental Policy*

The U.S. Army Garrison Fort Wainwright (USAG FWA) is firmly committed to a policy of environmental stewardship for all lands under USAG-AK control. The USAG FWA's policy of environmental stewardship is a commitment to the following:

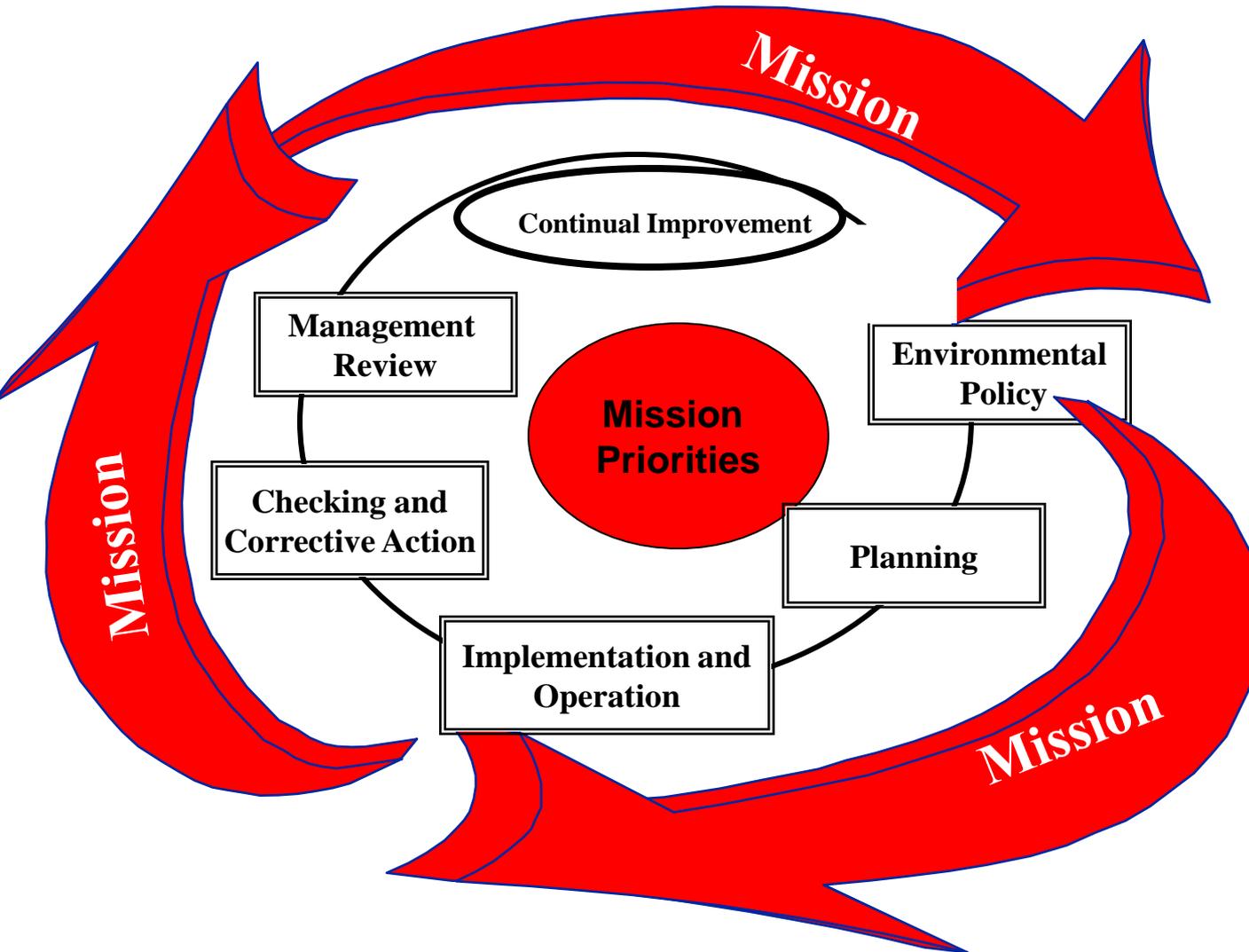
- ***Compliance*** with all applicable legal requirements;
- ***Prevention of pollution*** through identifying, implementing and promoting pollution prevention strategies, and;
- ***Continual Improvement*** through setting and reviewing environmental goals, objectives, and targets.

- The entire policy can be found on:

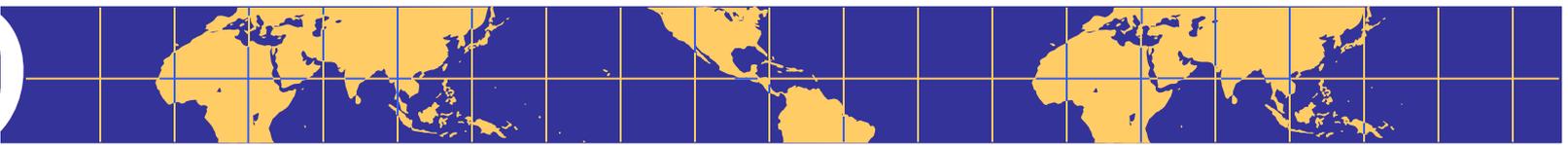
<http://www.wainwright.army.mil/publications/policyLetters.asp>



# *Mission Focused EMS*

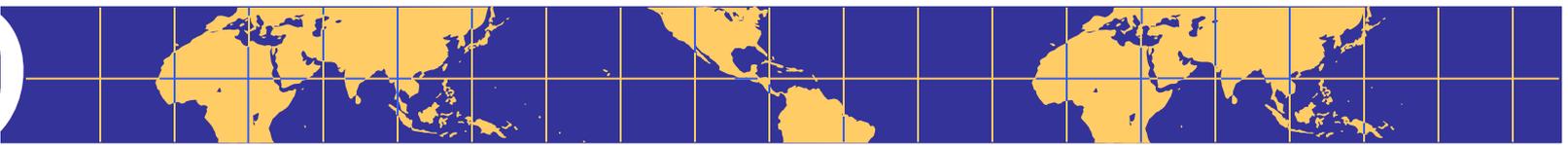


- ✓ Environmental Policy
- ✓ Planning
- ✓ Implementation & Operation
- ✓ Checking & Corrective Action
- ✓ Management Review



## *Identifying Environmental Aspects and Impacts*

- Environmental Aspect: element of an organization's activities, products or services that can interact with the environment
- Environmental Impact: any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products or services

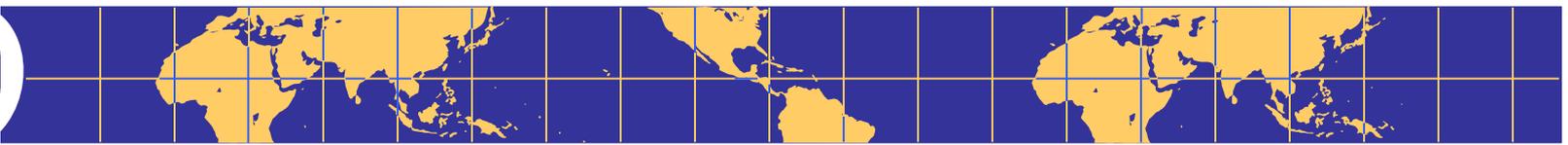


# *Developing Environmental Aspects*

## **Examples of Aspects/Impacts:**

- Aspect: Firing Munitions
- Impact: Air emissions, HW and SW generation
- Aspect: Vehicle Refueling Spills
- Impact: Contaminated land and groundwater

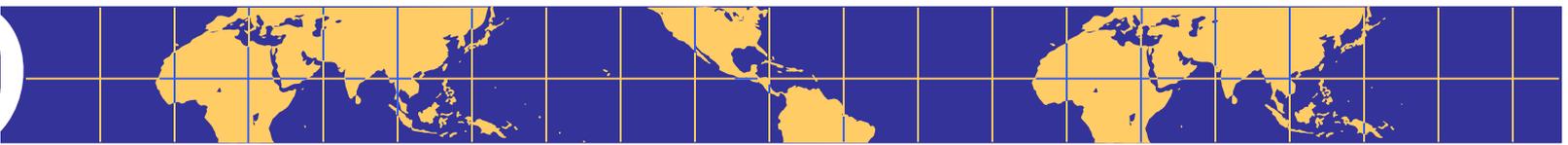




## *Identifying YOUR Aspects & Impacts*

- Do I generate a waste when I change oil in a vehicle?
- Do I endanger the wildlife when I train?
- Do I actively participate in my organization's recycle program?

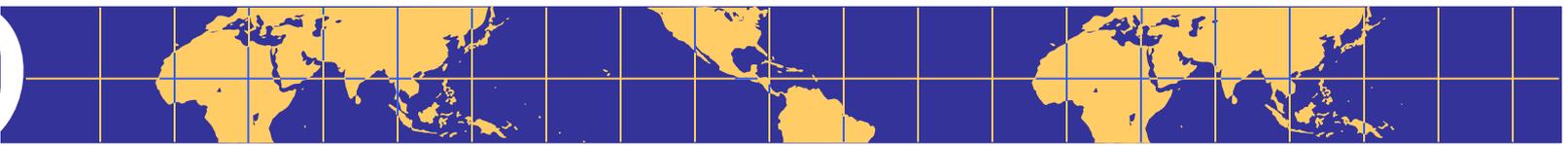




# *Objectives & Targets*

- Objectives- overall environmental goal, arising from the organization's policy statement, ... which is quantified where practicable. Your end goal.
- Targets- detailed performance requirement, quantified where practicable, ... that needs to be set and met in order to achieve the stated objectives/goals.

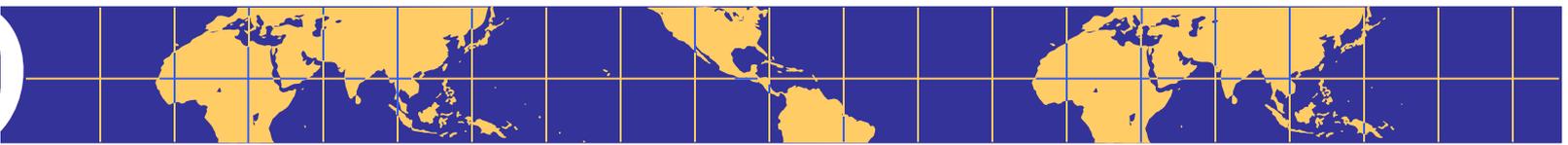




## *Examples of Objectives & Targets*

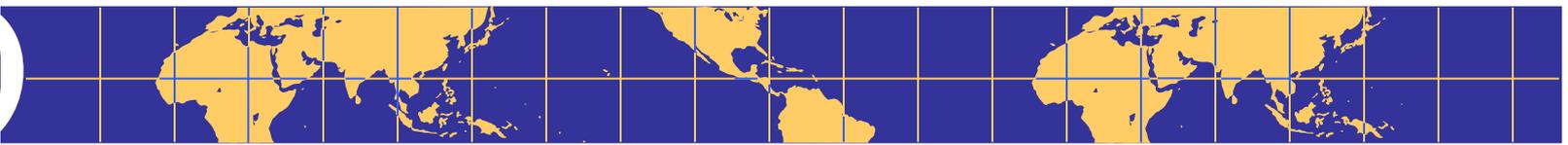
- Objective: Reduce hazardous waste generation.
  - Target: Using 2003 as a baseline, 30% reduction by 2006
- Objective: Material substitution for hazardous chemicals.
  - Target: Perform a material substitution study by FY2006





## *Training, Awareness, and Competence*

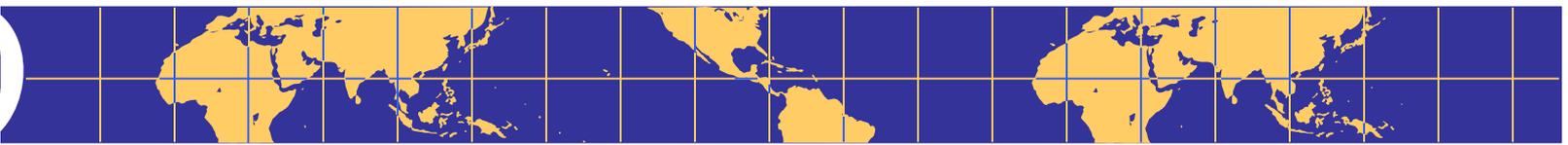
- Importance of regulatory compliance, and the importance of compliance with the environmental policy and EMS requirements
- Potential negative environmental impacts of the employee's work. The positive effects of improved performance on their part.
- Consequences of failure to comply with the above.



# *Employee/Soldier Participation in the Implemented EMS*

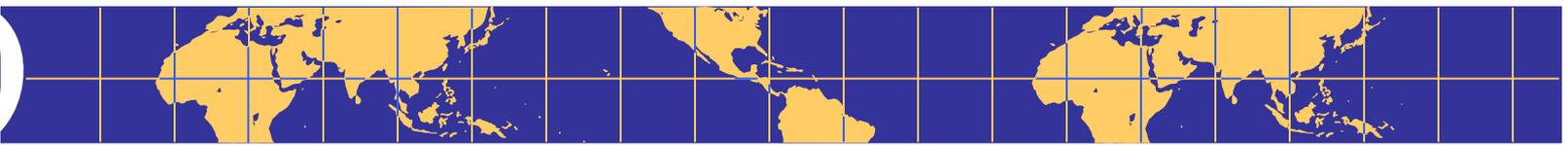
- Know significant aspects and regulatory requirements associated with work duties
- Know essence of Environmental Policy
- Know objectives and targets of pertinent significant aspects
- Have proper training
- Learn and follow the procedures to protect the environment and conserve resources
- Know what can happen if procedures are not followed





## *Checking and Corrective Action:* *Monitoring & Measuring*

- Evaluate environmental performance (e.g. Installation Status Report)
- Assess compliance with legal requirements (Environmental Performance Assessment System and internal assessments)
- Identify areas requiring corrective action (Installation Corrective Action Plan)
- Improve performance and increase efficiency



## *Your FWA EMS Contacts*

- Clifford Seibel
  - 907-361-6220
  - [clifford.a.seibel@us.army.mil](mailto:clifford.a.seibel@us.army.mil)
- Bob Gray
  - 907-361-9949
  - [bob.gray1@us.army.mil](mailto:bob.gray1@us.army.mil)
- David Fish
  - 907-361-4219
  - [david.d.fish@us.army.mil](mailto:david.d.fish@us.army.mil)



Protecting the Environment  
is Everyone's Job,  
And So Is Maintaining the  
EMS!

