

ENVIRONMENTAL MANAGEMENT SYSTEMS (EMSs) for AIRPORTS

**The What, Who, Why, and How
of it all.**

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Federal Aviation
Administration



WHAT IS AN EMS?

Upper level management's conscious effort to conduct business / activities with environmental factors in mind.



To do so...they

- educate their staffs;
- develop plans, policies, and procedures;
- monitor the business' / activities compliance with these plans, policies, and procedures; and
- continually improve efforts and commitments.



WHAT IS AN EMS?

EMS Framework

INTERNATIONAL ORGANIZATION OF STANDARDS (ISO) HAS DEVELOPED STANDARDS FOR EMSs.



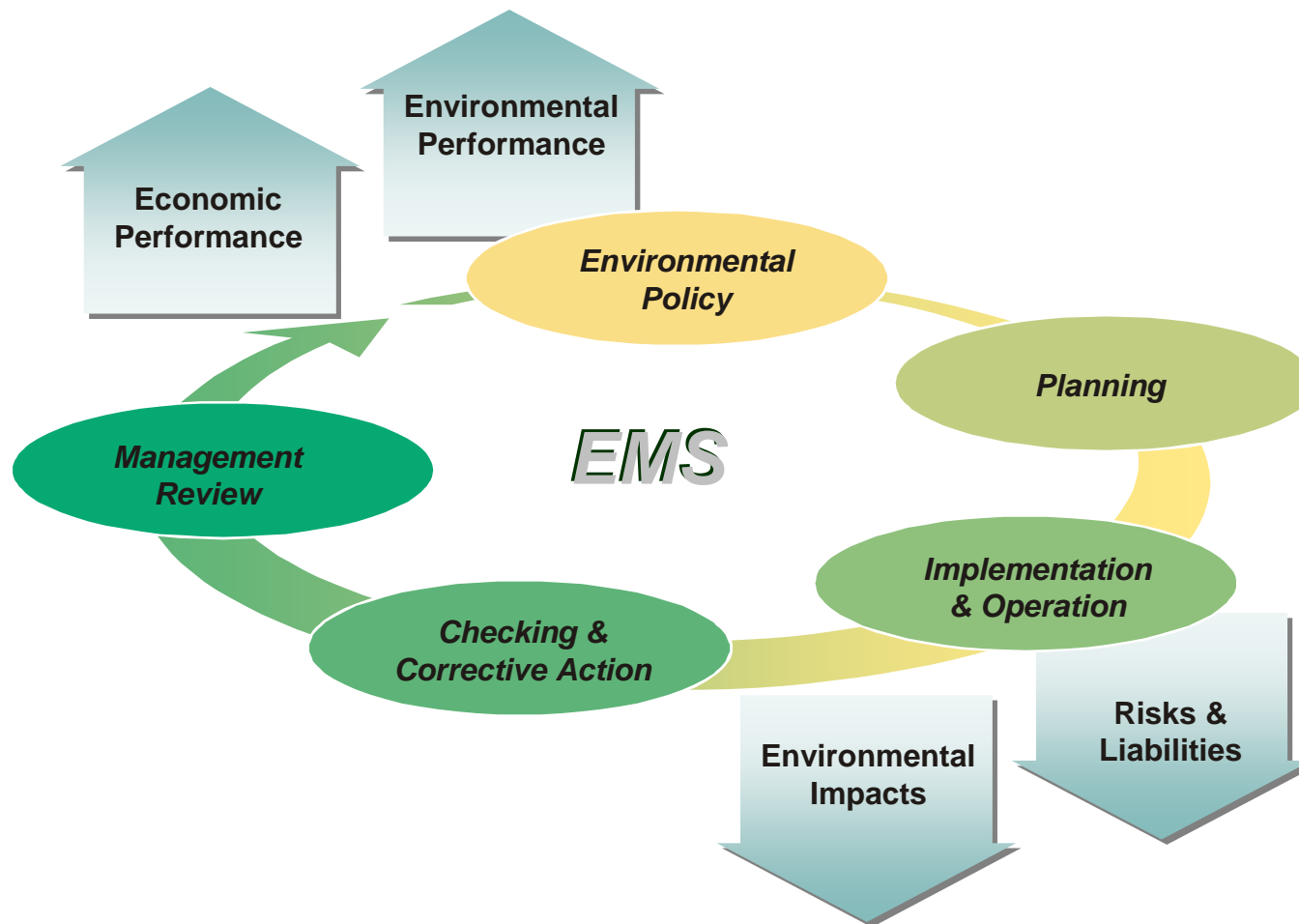
ISO 14001 IS THE WORLD-WIDE “STANDARD” FOR GOVERNMENTAL, SOCIETAL, OR BUSINESS EMSs.

WHAT IS AN EMS?

1. Senior management's **commitment** to environmental policy.
2. Identify an organization's **environmental impacts**
 - how often do they occur?
 - what are the impacts' costs / benefits?
 - what are the legal concerns of those impacts?
3. Set up plans to **implement** environmental management programs (EMPs).
4. **Audit** organization's EMS status.
 - compliance with regulations/requirements;
5. **Review** audit...decide how and what to correct.



WHAT IS AN EMS?



WHO HAS EMSs?

- To date...**960 Federal** facilities have EMSs.
- To date... **130,000** organizations of all types throughout the **world** have certified EMSs.
- **To date...airports with EMSs**
 - *Dallas-Fort Worth Int'l (DFW)*
 - *Denver Int'l (DEN)*
 - *Westchester County, NY (HPN)*



WHO SHOULD CONSIDER AN EMS ?

Any airport wishing to more **efficiently and effectively** meet environmental requirements and reduce its environmental “footprint.”



WHY CONSIDER EMS?

EXECUTIVE ORDER 13148
April 21, 2000

*Leadership in Greening
the Government*

<http://www.nepa.gov/regs/eos/eo13148.html>

Directs Federal government agencies to make environmental management part of their policies, planning, operations, and management.

Provides a systematic, proven approach to managing environmental Impacts and knowing the status of your efforts to do so.



WHY CONSIDER EMS?

EMS Benefits for airports:

1. Efficient method to meet **compliance requirements.**
2. Reduce operating **costs.**
3. **Integrate** your mission and the environment.
4. **Reduce** your organization's environmental footprint.
5. **Increase** employee involvement.



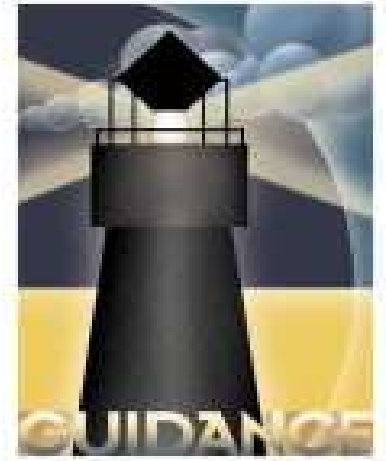
WHO IS ELIGIBLE FOR AIP FUNDING?

Promote for all, but initially limiting AIP funding to develop an EMS at Large and Medium hubs.

Like other maintenance actions, EMS maintenance efforts are not AIP eligible.



HOW: PROGRAM GUIDANCE LETTER.



PROGRAM GUIDANCE LETTER (PGL) 07-08:
DATED: SEPTEMBER 28, 2007

http://www.faa.gov/airports_airtraffic/airports/aip/guidance_letters/media/PGL_07_06.pdf

SPONSOR WHO DEVELOPS & IMPLEMENTS AN AIP-FINANCED EMS **MUST SELF-CERTIFY IT WILL...**

- **FOLLOW CURRENT ISO 14001 STANDARDS;**
- **PROVIDE MANAGEMENT REVIEWS;**
- **MAINTAIN ENVIRONMENTAL RECORDS; AND**
- **CONDUCT AUDITS = EMS CURRENCY.**

HOW? FAA ADVISORY CIRCULAR ON EMS

HOW TO DEVELOP AN EMS:

FAA AC 150/5050-8

Dated: SEPTEMBER 26, 2007.

AC PROVIDES INFORMATION ON:

- BACKGROUND ON EMSs;
- SETTING UP AN EMS; AND
- VALIDATING AND COMPLETING EMS DEVELOPMENT.

http://www.faa.gov/airports_airtraffic/airports/resources/advisory_circulars/media/15-5050-8/150_5050_8.pdf



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