

**Chesapeake  
Region  
Safety  
Council**

**EM 385-1-1**

Presented by:  
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VP, Training & Education

## Goal

- Provide each participant with a general knowledge of the applicability of EM 385-1-1 and the requirements for the Site Safety and Health Officer.

# EM 385-1-1

## Safety & Health Requirements Manual

### When does EM 385-1-1 apply?

- EM 385-1-1
  - USACE contracts and those administered on behalf of USACE
    - whether accomplished by military, civilian, or contractor personnel
- Federal Acquisition Regulation (FAR) 52.236-13
  - Accident Prevention
  - DOD Agency or component...Contractor shall comply with latest version of U.S. Army Corps of Engineers Safety and Health Requirements Manual.

## When does EM 385-1-1 apply?

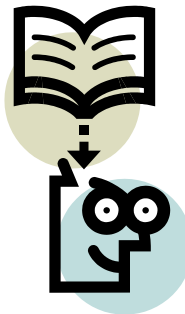
- Unified Facilities Guide Specifications (UFGS)
  - Section 01 35 26 (Governmental Safety Requirements)
    - “In addition to the detailed requirements included in the provisions of this contract, comply with the most recent addition of USACE EM385-1-1 and”...
      - Federal, State, Local laws
      - Host Nation laws
      - Ordinances
      - Rules and Regulations
      - Criteria

## When does EM 385-1-1 apply?

- Unified Facilities Guide Specifications (UFGS) are for use in specifying construction for the military services. UFGS are a joint effort of:
  - USACE
  - NAVFAC
  - HQ AFCEC
  - NASA

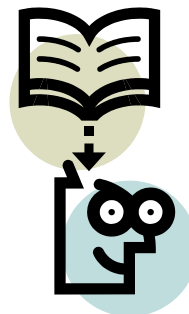
## What is the purpose of EM 385-1-1?

- Provide safety and health requirements for all Corps of Engineer's activities and operations.
- Safety and Health Program Management



## Safety and Health Program Management

- Composite Risk Management (CRM)
- Operational Risk Management (ORM)
- Accident Prevention Plans
- Activity Hazard Analysis



## Safety and Health Program Management

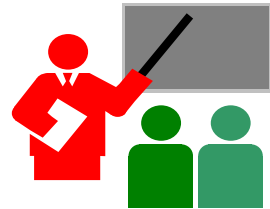
- CRM is the Army methodology for minimizing risk during military operations.
- ORM is the Navy methodology for minimizing risk during military operations.

## Safety and Health Program Management

- CRM/ORM is embedded construction contract requirements through:
  - Preplanning
  - Accident Prevention Plans (APP)
  - Activity Hazard Analysis (AHA)
  - Construction Quality Management (CQM)
  - Government oversight.

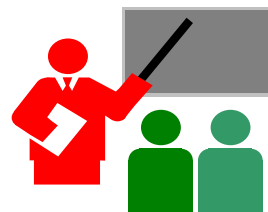
## CRM / ORM through Activity Hazard Analysis

- A decision making tool
- Increases ability to make informed decisions
- Reduces risks to acceptable levels
- Forces the contractor to plan out the work



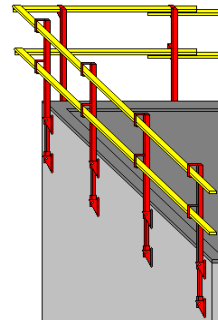
## CRM / ORM through Activity Hazard Analysis

- Optimize operation capability and readiness by managing risks without loss
- Accomplish mission (project) on time
- Reduce losses to maintain project budget
- Increase operational effectiveness



## CRM / ORM through Activity Hazard Analysis

- The same five step process for hazard recognition and control are in the CRM/ORM and the AHA processes.
  - Identify Hazards
  - Assess Hazards
  - Make Risk Decisions
  - Implement Controls
  - Supervise



CRM/ORM and AHA are parallel processes for assuring a safe work place by requiring contractors to plan out the work for each phase before that work phase begins.



## AHA = CRM/ORM

- AHA requires contractors to:
  - Identify each work phase
  - Identify potential hazards with each phase
  - Implement controls to eliminate the hazards
  - Provide special training or qualifications and equipment required
  - Communicate AHA requirements to employees
  - Assume accountability and supervise

## AHA = CRM/ORM

- The Benefits of CRM/ORM through AHA For Contractors:
  - Reduction in Mishaps
  - Improved Mission Effectiveness





## Safety and Health Program Management

- EM 385-1-1 requires the Contractor to employ a minimum of one competent person at each site to manage, implement and enforce:
  - Accident Prevention Plans (APP)
  - Activity Hazard Analysis (AHA)
  - Composite Risk Management (CRM)
  - Operational Risk Management (ORM)



## Site Safety and Health Officer (SSHO)

- The Contractor shall employ a minimum of one Competent Person at each project site to function as the SSHO, depending on job complexity, size and any other pertinent factors.
- Shall be a full-time responsibility unless specified differently in the contract. The SSHO shall report to a senior project (or corporate) official.

## Site Safety and Health Officer (SSHO)

- Shall be responsible for managing, implementing and enforcing the Contractor's Safety and Health Program in accordance with the accepted APP.
  - ...or a Designated Representative, as identified in the APP/AHA and as deemed appropriate/equivalent to SSHO by the GDA *shall be on-site at all times* when work is being performed.

## Site Safety and Health Officer (SSHO)

- As a minimum, must have completed the 30-hour OSHA Construction safety class or as an equivalent, 30 hours of formal construction safety and health training covering the subjects of the OSHA 30-hour course (see Appendix A, paragraph 4.b) applicable to the work to be performed and given by qualified instructors.

## Site Safety and Health Officer (SSHO)

- Also required to have five (5) years of construction industry safety experience or three (3) years if they possesses a Certified Safety Professional (CSP) or safety and health degree.
- For complex or high hazard projects, the SSHO shall have a minimum of ten (10) years of safety-related work with at least five (5) years experience on similar type projects.

## Site Safety and Health Officer (SSHO)

- Shall maintain this competency through 24 hours of formal safety and health related coursework every four (4) years.
- For limited service contracts, for example, mowing (only), park attendants, rest room cleaning, the Contracting Officer and Safety Office may modify SSHO requirements and waive the more stringent elements of this section. (See Appendix A, paragraphs 4 and 11)

## Site Safety and Health Officer (SSHO)

- NAVFAC job sites (as written in UFGS):
  - SSHOs shall have completed the “40 hour Construction Safety Hazard Awareness Training Course for Contractors”.
  - If the SSHO does not have a current certificate of completion, they must obtain such within 60 calendar days of contract award.

## Site Safety and Health Officer (SSHO)

- NAVFAC requires “40 hour Construction Safety Hazard Awareness Training Course for Contractors” for certain job sites.
- NAVFAC provides recommendations and guidelines for SSHO training.
- NAVFAC does not endorse, approve or certify training courses.
- NAVFAC does not recognize or endorse a Board of Certified Site Safety and Health Officers.

## Review of Goal

- Provide each participant with a general knowledge of the applicability of EM 385-1-1 and the requirements for the Site Safety and Health Officer.



Questions ?

Thank You!



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