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# SECTION 1

## Program Management

01.A.07 USACE Project Managers (PMs) shall ensure that a safety and occupational health plan is developed for funded projects, in accordance with the Safety and Occupational Health Reference Document contained in the USACE Business Manual, and incorporated into each Project Management Plan (PMP)/Program Management Plan (PrgMP). The PM shall collaborate with the customer on project safety goals and objectives and communicate same through the PMP/PrgMP safety and occupational health plan and PDT meetings.



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- 01.A.10 Identifies PHA Elements

A complete PHA document shall indicate that the hazards, control mechanisms, Personal Protective Equipment (PPE) and training required for the position were discussed with the employee and shall be signed by the supervisor and employee. A PHA shall contain a copy of the employee's training certificate of completion for all required training.



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- 01.A.11 Accident Prevention Plans now allows:
  - d. For limited scope supply, service and R&D contracts, an abbreviated APP may be allowed by the Contracting Officer and local SOHO. See Appendix A, paragraph 11 for details.



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- New SSHO Requirements:
- 01.A.17 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.
- a. The SSHO shall be a full-time responsibility unless specified differently in the contract. The SSHO shall report to a senior project (or corporate) official.

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- b. The SSHO (s), 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. > If the SSHO has the permitted equivalent training, he is also required to have five (5) years of construction industry safety experience or three (3) years if he possesses a CSP or safety and health degree.

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- c. An SSHO (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.
- d. The SSHO shall be responsible for managing, implementing and enforcing the Contractor's Safety and Health Program in accordance with the accepted APP.



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- e. SSHOs shall maintain this competency through 24 hours of formal safety and health related coursework every four (4) years.



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- > 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.
- > For complex or high hazard projects, the SSHO shall have a minimum of ten (10) years of safety work with at least five (5) years experience on similar type projects.



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- 01.A.19 Addresses CDSO..
  - Collateral Duty Safety Personnel. USACE organizations may be augmented by Collateral-Duty (Army civilian) safety personnel. Collateral duty safety personnel will:...
  - Identifies assignment, actions, responsibilities



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# SECTION 1

- 01.C Physical Qualifications
  - References Privacy Act
  - Requires Medical Clearance from Prescribed Meds
- 01.D updated accident reporting thresholds
- Moves HAZCOM Requirements to Section 6



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# APPENDIX A

- Combined Elements
- Allows GDA/SO to Customize APP as Appropriate for the Work (Small/ Service Contracts) and Lists Minimum Acceptable elements
- Lists OSHA 30-Hour Equivalent Course Content

# EM 385-1-1

## SECTION 2

### SANITATION

1. General, rearrange order of paragraphs, expanded some paragraphs – provided more explanation and provided headings to highlight some i.e. 02.H. Change Rooms



2. Added Paragraphs on Housekeeping – 02.B.01 through 02.B.03

3. Drinking water provided additional description on approved potable water systems i.e. connecting to local municipal water supply – 02.C.03

4. Added paragraph on open containers prohibition – 02.C.06

5. Added paragraph on usage of non-potable water to clean work areas – 02.D.03



# EM 385-1-1 SECTION 2 SANITATION



6. Added General paragraph on Toilets – shall be made available in all places of employment and delineated what they shall contain i.e. soap, method of drying hands, lighting, ventilation etc. – 02.E.01 a through m.
7. Added paragraph to provide hand sanitizers when water is not available  
02.E.02 Construction Sites
8. Added paragraph to provide toilet facility for temporary field conditions
9. Moved paragraph on Waste Disposal Containers/Receptacles – from under Food Service (02.E.02) to Waste Disposal (02.K.01).
10. Added requirement to use licensed exterminators/pest control personnel to paragraph on Vermin Control – 02.L.02



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## SECTION 3

- Section 3.B. Description of First Aid Kit reflects the ANSI Z308.1 Definition:
  - Container Strength
  - Content

## SECTION 3.D

- CPR and First Aid training changed to allow additional resources:

“First-aid attendants shall hold certification in first-aid and CPR training from the American Red Cross, the American Heart Association, or from an organization whose training adheres to the standards of the International Liaison Committee on Resuscitation (and is stated in writing) or from a licensed physician. All classes shall contain a hands-on component. The certification shall state date of issue and length of validity.”

# Temporary Facilities

## Chapter 4

4.A.04.b. Providing a min. standard for temporary fencing removes ambiguity. Change is considered a reasonable deterrent to a casual trespasser.

4.A.04.c. Changed to 150' from 300'. The 300' was considered too far apart for signs warning of hazards.

# Temporary Facilities

## Chapter 4

- 4.A.04.d. This still allows some locations to not have fencing (due to location, exposure, etc), but requires that a risk analysis be performed.
- 4.A.05.g. Wooden floors shall be elevated 1.5 feet to prevent dampness, permit free circulation of air beneath, and for easier and safer maintenance.

# Temporary Facilities

## Chapter 4

04.B Access/Haul Roads. Moved to this section from Chapter 8 – Signage & Traffic Control. No changes otherwise.

**EM 385-1-1, SECTION 5  
PERSONAL PROTECTIVE AND  
SAFETY EQUIPMENT**

**MAJOR CHANGES**

## 05.A. GENERAL

- Under responsibilities, added the necessity to perform analysis of work activity to determine controls – use process and engineering controls before PPE to protect employees.
- Restructured so each PPE group is under it's own subsection and easier to find (i.e., hardhats, protective footwear, high-visibility apparel, etc.

# 05.B. EYE AND FACE PROTECTION

- Incorporates use of sideshields on RX safety glasses
- Specifically addresses use of polarized lenses for certain activities

# 05.C. HEARING PROTECTION AND NOISE CONTROL

- No significant changes.

## 05.D. HEAD PROTECTION

- Added allowance of areas and activities properly identified and documented in AHA to be considered non-hard hat area. Parallels OSHA
- GDA may determine exceptions for certain trades to wear their hard hats with bill turned around to conduct certain activities as long as the headgear is designed to accommodate the need

# 05.E. PROTECTIVE FOOTWEAR

- New Section – used to be under General.
- Old respiratory protection section (now 05.G)
- Change reference standard for protective footwear to ASTM F2412 and F2413
- Not authorized add-on type devices unless demonstrated by employer to be equally effective via independent testing data (i.e., foot, toe or metatarsal guards)
- Sections for UXO and wild land fire management now in this subsections – used to be in General

# 05.F HIGH VISIBILITY APPAREL

- New Section providing requirements governing use of High Visibility Apparel
- Class 2 (minimum) vs Class 3; when to wear
- Allowable Colors, all per ANSI/ISEA 107-2004

# 05.G. RESPIRATORY PROTECTION

- Significantly changed to eliminate repetition of OSHA 1910.134
- Provides clearer guidance on RPP Management requirements and contents

## 05.H. FULL BODY HARNESSSES, LANYARDS, AND LIFELINES

- These components are considered personal fall protection systems and you are redirected to 21.H.05
- Adds Lineman's equipment must be industry designed "Linemen's FP Harness" that will resist arc flash. Refers reader to 21.H.05.D.(2)

# 05.1 ELECTRICAL PROTECTIVE EQUIPMENT

- Adds additional details on use of rubber gloves and other equipment meeting ASTM F18 standards to protect employees that work on energized equipment
- Adds Inspection requirements for rubber protective equipment
- Adds sections on live-line tool requirements and inspection/maintenance records

# 05.I ELECTRICAL PROTECTIVE EQUIPMENT (cont'd)

- Addresses arc flash but redirects to Section 11.B for full requirement
- Adds requirement that all live-line wooden tools shall be replaced with FRP (Fiberglass reinforced plastic) within 2 years from date of this manual. No more wooden handles!
- Redirects user to Section 05.H for requirement on linemen's personal fall protection equipment

## 05.J. PERSONAL FLOTATION DEVICES

- 05.J.01 addresses inherently buoyant PFDs – Type III, V or better
- 05.J.02 addresses Type V (USCG approved for COMMERCIAL use) auto-inflatable PFDs as long as criteria is met
- New Table 5-1 with clear pictures

# 05.K. LIFESAVING AND SAFETY SKIFFS

- NO SIGNIFICANT CHANGES.