

EM 385-1-1 Section 31 Tree Maintenance & Removal

31.A.01 References - NEW

- a. ANSI Z133.1-2006 – Tree Care Safety Standard;
- b. 29 CFR 1910.266 – Logging Operations;
- c. 29 CFR 1910.269 – Electrical Power Generation,
Transmission, and Distribution;
- d. International Society of Arborist Safety Standards.

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31.A.08 Aerial Platforms and Buckets – NEW

31.B.01 - 14 Tree Climbing Techniques – NEW

31.C Felling - NEW

31.E.01.d.- g. Pruning and Trimming - NEW

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31.E.04 Cabling – NEW

31.E.05 Topping/Lowering Limbs – NEW

31.E.07.g. – k. Power Saws – NEW

EM 385-1-1 Appendix P

Safe Practices for Rope Access Work

- COMPLETELY NEW

References

- a. Society of Professional Rope Access Technicians – Safe Practices for Rope Access Work.
- b. Determination of Rope Access and Work Positioning Techniques in Arboriculture

Definitions

- a. Rope Access Supervisor
- b. Rope Access Worker

EM 385-1-1 Appendix P

Safe Practices for Rope Access Work

- COMPLETELY NEW

Climbing Equipment

- a. Ropes
- b. Carabineers & Snap Hooks
- c. Pulleys/Rope Sleeves
- d. Rope Blocks/Brakes
- e. Climbers PPE

General Practices

SECTION 32

AIRFIELD and AIRCRAFT OPERATIONS

32.A.02 Prior to the performance of any work upon or around an airfield, the Air Field Manager shall be informed 14 days prior to performance with a written description of work activities, work locations, work equipment and personnel requirements and work schedules.

a. The GDA shall also be informed of proposed revisions to approved work activities in writing, or any changes to this information.

32.A.04 All paved surfaces, such as runways, taxiways, and hardstands, shall be kept clean at all times, particularly with regards to stones and other small objects that might damage aircraft propellers or jet aircraft. Sweeping operations shall be performed by truck mounted vacuum sweeper capable of using water to minimize dust generation.

32.A.05 When mobile equipment is not actively being utilized to perform work on an airfield it, shall be removed to a location(s) that is approved by the GDA and at a minimum distance required by the GDA (plus any additional distance necessary to ensure the safety of airfield operations) from the runway centerline

SECTION 32

AIRFIELD and AIRCRAFT OPERATIONS

32.A.08 All vehicle access shall be at an entry control point (ECP) and approved by the Airfield Manager. Effective control of vehicles required to enter or cross aircraft movement areas shall be maintained as directed by the Airfield Manager.

32.A.09 Those landing areas hazardous to aircraft shall be submitted to the Air Field manager for a FAA Notum on displaced threshold or other changes on non use or caution. (unless otherwise directed by the GDA).

32.A.11 When working in landing areas, work shall be performed so as to leave that portion of the landing area that is available to aircraft free from hazards, including holes, piles, or material, and projecting shoulders that might damage an airplane tire. Each vehicle, piece of equipment, or work crew shall be equipped with a 2 way radio capable of maintaining communications with the air traffic control tower while performing work in landing areas.

32.A.12 No equipment, materials or contractor plant shall be placed upon or within a safety precaution area without approval of the GDA.

SECTION 32

AIRFIELD and AIRCRAFT OPERATIONS

Section "18E Aircraft" (old) now Section "32.B Aircraft" (combined with Section 32 Airfield operations into a new Aircraft and Airfield operations).

32.B.06 All USACE-owned aircraft will use approved Government Flight Representatives (GFRs) approved procedures as outlined in AR 95-20 and AR 95-1. GFR are appointed by USACE-SO for USACE owned aircraft.

Section 33, MEC Encountered During USACE Activities

33.A. Background and Process; what to do if you encounter MEC while working

- Stop work and Report
- 3Rs: Recognize, Retreat, Report
- Potential MRS Site
- Assess Additional MEC Probability
- Follow up requirements on EM and EPs

33.B. MEC Examples (photos)

NEW Section 34 Confined Space

- Section 06.I (old) is now Section 34
- Added Marine Repair Confined Space to section
- Reflects OSHA Std on Definitions and Requirements
- Better defined Non-Permit Confined Space for clarity