



## **2600SEG137 STANDARD FOR TELECOMMUNICATIONS WORK**

### **1.0 PURPOSE**

To establish safety requirements to carry out telecommunications work.

### **2.0 BACKGROUND**

There is no record of the existence of a previous applicable standard.

### **3.0 SCOPE**

This regulation applies to all Panama Canal Authority (ACP) employees, contractors, and third parties that carry out work or activities in ACP installations or areas under its responsibility.

### **4.0 LEGAL FOUNDATION**

This Standard is established pursuant to Agreement No. 12 of the Board of Directors of the Panama Canal Authority (ACP), Safety and Health Regulations, Chapter 1, Article 3.

### **5.0 DEFINITIONS**

**5.1** When this standard was drafted all words and terms were known to the users.

### **6.0 REQUIREMENTS**

**6.1** Working on Towers.

**6.1.1** Use all the safety equipment to work at heights.

**6.1.2** Must have radios for communication.

**6.1.3** Must always have the storm detector on hand.

**6.1.4** Check the structure, to the extent possible, prior to climbing.

**6.1.5** Make sure that towers are grounded.

**6.1.6** Any work on towers involving antennas or other equipment must be coordinated with technicians in charge of them.

**6.1.7** Sources that generate non-ionizing radiations, radio frequencies, and optic sources.

**6.1.8** Identify and mark such sources.

**6.1.9** Post caution signs in areas where the risk of exposure to such radiation exists.

**6.1.10** Provide workers the personal protective equipment for the specific hazard.

**6.1.11** Whenever possible, disconnect the source that generates radiation while the work is being done. Coordination must be made with technicians in charge of the equipment.



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### **6.2 Static Electricity.**

**6.2.1** Use antistatic devices to protect equipment and workers.

**6.2.2** Put up static electricity warning signs in areas where there is active telecommunications equipment.

**6.2.3** Never install carpeting in areas with active equipment unless they are certified as antistatic and are grounded at installation time.

### **6.3 Danger of Electrocutation.**

**6.3.1** Disconnect the source of energy when possible.

**6.3.2** Check that DC equipment protection is in place.

**6.3.3** Consider that there is also risk of electrocution in high power RF antenna equipment. Coordinate each work with the technicians in charge of disconnecting the sources.

**6.3.4** Check the condition of cords, outlets, and plugs prior to connecting any equipment.

**6.3.5** Under no circumstance the third connection prong of an electrical plug should be disregarded.

### **6.4 Work in Culverts.**

**6.4.1** Take training on confined spaces and first aid.

**6.4.2** Cordon off the area at the culvert entry.

**6.4.3** A competent person must give permission to enter the culvert.

**6.4.4** A ladder must be used to enter and exit if the culvert exceeds four feet in depth.

### **6.5 Ladders.**

**6.5.1** Refer to Standard 2600SEG107 - Ladders and Scaffolds.

## **7.0 TRAINING**

**7.1** Train workers on various precautions and safe work practices. Contractor shall provide for their own employees.

**7.2** Keep a record of certifications given to workers as a result of their training.

## **8.0 RESPONSIBILITIES**

### **8.1 Supervisor**

**8.1.1** Prepare the Job Safety Analysis

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**8.1.2** Make sure workers use personal protective equipment at all times.

### **8.2 Worker**

**8.2.1** Follow the instructions contained in the Job Safety Analysis.

**8.2.2** Practice the safety measures established by the supervisor.

**8.2.3** Participate in the training provided by management.

**8.2.4** Collaborate in evaluation and control activities established to prevent work hazards.

**8.2.5** Use personal protective equipment at all times.

### **9.0 INQUIRIES**

Any information or clarification of the content or application of this Standard must be requested in writing to the Safety and Industrial Hygiene Unit (RHSH).

### **10.0 EXCEPTIONS**

Any requests for changes or temporary exceptions to this Standard must be made in writing to the Safety and Industrial Hygiene Unit (RHSH).

### **11.0 TERM**

This Standard shall remain in force until amended or revised.

### **12.0 REFERENCES**

**12.1** ACP Safety and Occupational Health Manual.

**12.2** Safety Standard on Ladders and Scaffolds, 2600 SEG107.