



2600SEG125 STANDARD FOR ELEVATORS

1.0 PURPOSE

To establish the minimum safety requirements for the maintenance, repair, and operation of elevators and hoists installed, either temporarily or permanently, within Panama Canal Authority (ACP) areas.

2.0 BACKGROUND

Not applicable.

3.0 SCOPE

This standard applies to all ACP employees, contractors, and third parties performing work or activities within installations or areas under ACP 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), Regulation on Safety and Occupational Health, Chapter 1, Article 7.

5.0 DEFINITIONS

For the purpose of this Standard, the following definitions apply:

5.1 Elevators: Means of transportation for persons and cargo between two or more levels by way of a cabin or car that moves along slide rails.

5.2 Machine Room: Location of elevator machinery and equipment.

5.3 Pit: Space where in traction elevators the buffers are located.

5.4 Hoistway Opening: Space or opening through which the elevator cabin or car travels.

5.5 Landing: Levels between which the cabin or car travels.

5.6 Traction Elevators: Are those which utilize steel wire ropes to lower or lift the cars by means of the traction of a principal pulley electrically motor driven.

5.7 Hydraulic Elevators: Are those which utilize hydraulic power pistons to lower and lift the cars.

5.8 Freight Elevators: Are those utilized to move loads between landings. Only one operator is allowed in the car with the load if the elevator complies with ANSI A17.1.

5.9 Cars: Are the cabins, the moving enclosure where persons and/or loads are positioned.

5.10 Hoist. Vertical conveyer for loads moved between two levels.

5.11 Inspections and Acceptance Tests: According to ANSI A17.1.

5.12 Periodic Inspections and Tests: According to ANSI A17.1.

5.13 Routine Inspections and Tests: According to ANSI A17.1



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6.0 GENERAL

6.1 Inspections.

6.1.1 Inspections and Acceptance Tests. All elevators that are to initiate operations for the first time shall be subject to an inspection. This inspection shall be performed in accordance with ANSI A17.1. The new facility contractor shall perform these inspections and tests together with the ACP Elevator inspector

6.1.2 Periodic Inspections and Tests. They shall be carried out according to ANSI A17.1. The preventive maintenance contractor shall perform these inspections and tests together with the ACP crane inspector.

6.1.3 Routine Inspections and Tests. They shall be carried out according to ANSI A17.1. The preventive maintenance contractor shall perform these inspections and tests together with the ACP crane inspector.

6.1.4 Routine Checks and Maintenance: Are performed according to ANSI A17.1. They shall be carried out by the contractor in charge of elevator maintenance. A log shall be kept of the inspection report, signed by the ACP point of contact and the company's representative.

6.2 Damages. Any damage, malfunction, and irregularity observed on the equipment itself shall be notified to the elevator maintenance contractor and to the ACP elevator inspector. This report shall be made on the same day on which the fault was observed. The label with the phone number of the corporation in charge of the maintenance shall be inside the elevator cabin.

6.3 Modifications. Equipment modifications shall only be made according to ANSI A17.1. Before modified equipment is used, it shall have passed all the inspections and tests according to ANSI A17.1. Proof of acceptance is required for all equipment modified.

6.4 The contract specifications for annual of ACP elevator maintenance shall be consulted with the ACP inspector to guarantee compliance with ANSI A17.1 requirements.

6.5 Safety requirements for the installation and operation of elevators are stipulated ANSI A17.1 (2000 edition).

7.0 RESPONSIBILITIES

7.1 Safety and Industrial Hygiene Unit (RSHH)

7.1.1 Maintain and update ANSI publications referring to ACP elevator types.

7.1.2 Ensure compliance with ANSI A17.1 requirements regarding traction and hydraulic elevators.

7.2 Elevator Inspector.

7.2.1 Provide advice to the Safety and Industrial Hygiene Unit, affected divisions, and interested parties on the correct interpretation of ANSI A17.1 guidelines.

7.2.2 Carry out inspections and tests, and certify the elevators according to ANSI A17.1.



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7.2.3 Certify repairs made to the elevators by the contractor.

7.2.4 Contractor shall provide training for their own employees.

8.0 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).

9.0 EXCEPTIONS

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

10.0 TERM

This Standard shall remain in force until amended or revised.

11.0 REFERENCES

11.1 Safety Code for Elevators and Escalators, ASME A17.1 2000 edition.

11.2 Safety Code for Vertical Load Conveyors, ASME B20.1