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**IDAPA 17
TITLE 07
Chapter 01**

**17.07.01 - SAFETY RULES FOR ELEVATORS AND ESCALATORS --
GENERAL REQUIREMENTS**

000. LEGAL AUTHORITY.

These rules are promulgated pursuant to the authority granted the Industrial Commission by Sections 72-508, 72-720, 72-721, 72-722, and 72-723, Idaho Code. (7-1-97)

001. TITLE AND SCOPE.

These rules shall be cited as IDAPA 17.07.01, Safety Rules for Elevators and Escalators - General Requirements, and shall be applicable to all persons engaged in the design, construction, installation, operation, inspection, testing, maintenance, alteration and repair of elevators, dumbwaiters, moving walks, material lifts, wheelchair lifts, stairway chair-lifts, and escalators. (7-1-97)

002. WRITTEN INTERPRETATIONS.

There are no written statements which pertain to the interpretation of these rules. (7-1-97)

003. ADMINISTRATIVE APPEALS.

There are no provisions for administrative appeal of these rules. The procedures for appeals in safety matters is prescribed by Sections and 72-714 and 72-718 through 72-722, Idaho Code. (7-1-97)

004. (RESERVED).

005. INCLUSIVE GENDER.

For all sections and subsections of these rules, the terms and references used in the masculine include the feminine and vice versa, as appropriate. (7-1-97)

006. SEVERABILITY.

The sections and subsections of these rules are severable. If any rule, or part thereof, or the application of such rule, or the application of such rule to any person or circumstance is declared invalid, that invalidity does not affect the validity of any remaining portion. (7-1-97)

007. -- 009. (RESERVED).

010. DEFINITIONS.

01. Alteration. Is any change to equipment other than maintenance, repair, or replacement. (7-1-97)
02. Approved. Acceptable to the authority having jurisdiction. (7-1-97)
03. Authority Having Jurisdiction. The State of Idaho, Division of Building Safety. (7-1-97)
04. Authorized Personnel. Persons who have been instructed in the operation and/or maintenance of the equipment designated by the owner to use or maintain the equipment. (7-1-97)
05. Building Code. The latest state adopted version of the Uniform Building Code. (7-1-97)
06. Certified. A certification by a testing laboratory, a professional engineer, a manufacturer, or a contractor that a device or an assembly conforms to the requirements of the Safety Code for Elevators and Escalators (ASME A17.1). (7-1-97)
07. Competent Person. A person who is capable of identifying existing and predictable hazards and who has authorization to take prompt corrective action to eliminate them. (7-1-97)
08. Department. Is the Division of Building Safety. (7-1-97)

09. Designated Attendant. Is where elevator operation is controlled from the inside of the car. (7-1-97)
10. Designated Level. Is the main floor or other level that best serves the needs of emergency personnel for firefighting or rescue purposes. (7-1-97)
11. Director. Is the administrator of the Division of Building Safety. (7-1-97)
12. Dumbwaiter. Is a hoisting and lowering mechanism equipped with a car of limited size which moves in guide rails and serves two or more landings, and classified by the following types: (7-1-97)
- a. Hand dumbwaiter. Is a dumbwaiter utilizing manual energy to move the car. (7-1-97)
 - b. Power dumbwaiter. Is a dumbwaiter utilizing energy other than gravitational or manual to move a car. (7-1-97)
 - c. Electric dumbwaiter. Is a power dumbwaiter where the energy is applied by means of an electric driving machine. (7-1-97)
 - d. Hydraulic dumbwaiter. Is a power dumbwaiter where the energy is applied, by means of a liquid under pressure, in a cylinder equipped with a plunger or piston. (7-1-97)
 - e. Direct plunger hydraulic dumbwaiter. Is a hydraulic dumbwaiter having a plunger or cylinder directly attached to the car frame or platform. (7-1-97)
 - f. Electro-Hydraulic Dumbwaiter. Is a direct plunger dumbwaiter where liquid is pumped under pressure directly into the cylinder by a pump driven by an electric motor. (7-1-97)
 - g. Maintained pressure hydraulic dumbwaiter. Is a direct plunger dumbwaiter where liquid under pressure is available at all times for transfer into the cylinder. (7-1-97)
 - h. Roped Hydraulic Dumbwaiter. Is a dumbwaiter having its piston connected to the car with wire rope. (7-1-97)
 - i. Under-counter dumbwaiter. Is a dumbwaiter which has its top terminal landing located underneath a counter. (7-1-97)
13. Earthquake Protective Devices. A device or group of devices which serve to regulate the operation of an elevator or group of elevators in a predetermined manner during or after an earthquake. (7-1-97)
14. Elevator. A hoisting and lowering mechanism, equipped with a car or platform, which moves in guide rails and serves two or more landings and is classified by the following types: (7-1-97)
- a. Freight elevator. Is an elevator used primarily for carrying freight and on which only the operator and the persons necessary for unloading and loading the freight are permitted to ride. (7-1-97)
 - b. Gravity elevator. Is an elevator utilizing gravity to move the car. (7-1-97)
 - c. Hand elevator. Is an elevator utilizing manual energy to move the car. (7-1-97)
 - d. Inclined elevator. Is an elevator which travels at an angle of inclination of seventy (70) degrees or less from the horizontal. (7-1-97)
 - e. Multi-deck elevator. Is an elevator having two or more compartments located one immediately above the other. (7-1-97)
 - f. Observation elevator. Is an elevator designed to permit exterior viewing by passengers while the car is traveling. (7-1-97)

- g. Passenger elevator. Is an elevator used primarily to carry persons other than the operator and persons necessary for unloading and loading. (7-1-97)
- h. Power elevator. Is an elevator utilizing energy other than gravity or manual to move the car. (7-1-97)
- i. Electric elevator. Is a power elevator where the energy is applied by means of an electric driving machine. (7-1-97)
- j. Hydraulic elevator. Is a power elevator where the energy is applied, by means of a liquid under pressure, in a cylinder equipped with a plunger or piston. (7-1-97)
- k. Direct plunger hydraulic elevator. Is a hydraulic elevator having a plunger or cylinder directly attached to the car frame or platform. (7-1-97)
- l. Electro-hydraulic elevator. Is a direct plunger elevator where liquid is pumped under pressure directly into the cylinder by a pump driven by an electric motor. (7-1-97)
- m. Limited-use/limited application elevator. Is a power passenger elevator where the use and application is limited by size, capacity, speed, and rise, intended principally to provide vertical transportation for people with physical disabilities. (7-1-97)
- n. Maintained pressure hydraulic elevator. Is a direct plunger elevator where liquid under pressure is available at all times for transfer into the cylinder. (7-1-97)
- o. Roped hydraulic elevator. Is a hydraulic elevator having its plunger or piston connected to the car with wire ropes or indirectly coupled to the car by means of wire ropes and sheaves. (7-1-97)
- p. Rack and pinion elevator. Is a power elevator with or without a counterweight which is supported, raised, and lowered by a motor or motors which drive a pinion or pinions on a stationary rack mounted in the hoistway. (7-1-97)
- q. Screw column elevator. Is a power elevator having an uncounter-weighted car which is supported, raised, and lowered by means of a screw thread. (7-1-97)
- r. Private residence elevator. Is a power passenger elevator which is limited in size, capacity, rise, and speed, and is installed in a single family private residence or in a multiple dwelling as a means of access to an individual private residence. (7-1-97)
- s. Rooftop elevator. Is a power passenger or freight elevator operating between a landing at roof level and one landing below. It opens onto the exterior roof level of the building through a horizontal opening. (7-1-97)
- t. Sidewalk elevator. Is an elevator of the freight type operating between a landing in a sidewalk or other exterior area and the floors below the sidewalk or grade level. It opens onto the exterior area through a horizontal opening. (7-1-97)
- u. Special purpose personnel elevator. Is an elevator which is limited in size, capacity, and speed, and permanently installed in structures such as grain elevators, radio antenna, bridge towers, underground facilities, dams, power plants, and similar structures to provide vertical transportation of authorized personnel and their tools and equipment only. (7-1-97)
- v. Construction elevator. Is an elevator being used temporarily, only for construction purposes. (7-1-97)
15. Enforcing Authority. The Industrial Commission, State of Idaho. (7-1-97)

16. Escalator. A power driven, inclined, continuous stairway used for raising or lowering passengers. (7-1-97)
17. Hoistway Enclosure. The fixed structure, consisting of vertical walls or partitions, which isolates the hoistway from all other areas or from an adjacent hoistway and in which the hoistway doors and door assemblies are installed. (7-1-97)
18. Inspection and Tests. (7-1-97)
- a. Acceptance. The initial inspection and tests of new or altered equipment by a competent person and witnessed by a State Inspector to check for compliance with the applicable code requirements. (7-1-97)
- b. Periodic. Routine inspection and tests plus additional detailed examination and operation of equipment at specified intervals performed by a competent person and witnessed by a State Inspector to check for compliance with the applicable code requirements. (7-1-97)
- c. Routine. The examination and operation of equipment at specified intervals by a competent person to check for compliance with applicable code requirements. (7-1-97)
19. Installation. A complete elevator, dumbwaiter, escalator, lift, inclined lift, or moving walk including its hoistway, hoistway enclosures and related construction, and all machinery and equipment for its operation. (7-1-97)
- a. Existing installation. An installation that has been completed or was under construction prior to the effective date of the adoption of the latest applicable ASME standard. (7-1-97)
- b. New installation. Any installation not classified as an existing installation by definition, or an existing elevator, dumbwaiter, escalator, lift, inclined lift, or moving walk moved to a new location subsequent to the effective date of the adoption of the latest applicable ASME standard. (7-1-97)
20. Installation Placed Out of Service. An installation who's power feed lines have been disconnected from the mainline disconnect switch and. (7-1-97)
- a. An electric elevator, dumbwaiter, or lift who's suspension ropes have been removed, whose car and counterweights rest at the bottom of the hoistway, and whose hoistway doors have been permanently barricaded or sealed in the closed position on the hoistway side; (7-1-97)
- b. A hydraulic elevator, dumbwaiter, or lift whose car rests at the bottom of the hoistway; when provided with suspension ropes and counterweights, the suspension ropes have been removed and the counterweights rests at the bottom of the hoistway; and whose hoistway doors are permanently barricaded or sealed in the closed position on the hoistway side; (7-1-97)
- c. An escalator or moving walk whose entrances have been permanently barricaded. (7-1-97)
21. Labeled. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an independent certifying organization with product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner. (7-1-97)
22. Listed. Equipment or materials included in a list published by an independent certifying organization concerned with product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states whether that equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner. (7-1-97)
23. Main Floor. The floor providing normal egress from the building. (7-1-97)
24. Maintenance. A process of routine examination, lubrication, cleaning, adjustment, and replacement

of parts for the performance in accordance with applicable Code requirements. (7-1-97)

25. Penetrate a Floor. To pass through or pierce a floor in such a way that the opening has a continuous perimeter and is provided only to allow equipment to pass through the floor. (7-1-97)

26. Phase I Emergency Recall. The operation of an elevator wherein it is automatically or manually recalled to a specific landing and removed from normal service because of activation of a fire detection device. (7-1-97)

27. Phase II Emergency In-Car Operation. The operation of an elevator by firefighters where the operation of the elevator is under their control. (7-1-97)

28. Pit. That portion of a hoistway extending from the sill level of the lowest landing to the floor at the bottom of the hoistway. (7-1-97)

29. Private Residence. A separate dwelling or a separate apartment in a multiple dwelling which is occupied only by the members of a single family unit. (7-1-97)

30. Repair. The process of rehabilitation or replacement of parts that are basically the same as the original for the purpose of ensuring performance in accordance with the applicable code requirements. (7-1-97)

31. Replacement. The substitution of a device or component in its entirety with a new unit that is basically the same as the original for the purpose of ensuring performance in accordance with the applicable code requirements. (7-1-97)

32. Weather Proof. So constructed or protected that exposure to the weather will not interfere with the successful operation of the equipment. (7-1-97)

011. ABBREVIATIONS.

01. ANSI. American National Standards Institute. (7-1-97)

02. ASME. American Society of Mechanical Engineers. (7-1-97)

03. DBS. Division of Building Safety. (7-1-97)

04. IDAPA. Idaho Administrative Procedures Act. (7-1-97)

05. NEC. National Electric Code. (7-1-97)

06. NFPA. National Fire Protection Association. (7-1-97)

07. PSIG. Pounds per Square Inch Gauge. (7-1-97)

08. UBC. Uniform Building Code. (7-1-97)

09. UL. Underwriters Laboratories. (7-1-97)

012. -- 999. (RESERVED).