

## **ARTICLE 21.4 SAFETY CODES FOR ELEVATORS, ESCALATORS, MANLIFTS AND HOISTS**

### **Personnel Hoists**

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#### **Rule 4. Personnel Hoists**

675 IAC 21-4-1 Adoption by reference

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document being titled as ANSI A10.4, 2004, American National Standard Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations, published by the National Safety Council, 444 North Michigan Avenue, Chicago, Illinois 60611, is hereby adopted by reference and made a part of this section as if fully set out herein, save and except those additions, deletions, and amendments as are made in section 2 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 21-4-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1090; filed Nov 16, 2006, 4:04 p.m.: 20061213-IR-675050050FRA*)

675 IAC 21-4-2 Amendments to adopted standard

Authority: IC 22-13-2-13

Affected: IC 10-19; IC 22-12; IC 22-13-2-10; IC 22-14; IC 22-15-5; IC 25-4; IC 25-31

Sec. 2. (a) Explanatory material, in the form of notes, that is not part of a table, figure, or graph, is not:

- (1) a part of this standard; and
- (2) enforceable as part of this Indiana Elevator Safety Code.
- (b) Delete Section 1.3, Exceptions, without substitution.
- (c) Delete Section 2, References, without substitution.
- (d) In Section 3, Definitions, make the following changes:

(1) Change the definition of APPROVED to read as follows: APPROVED means as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods:

- (1) Investigation or tests conducted by recognized authorities.
- (2) Investigation or tests conducted by technical or scientific organizations.
- (3) Accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment and types of construction are safe for their intended purpose.

(2) Add the following definitions:

(A) AUTHORITY HAVING JURISDICTION means the Division or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10.

(B) DEPARTMENT means the Indiana Department of Homeland Security created in accordance with IC 10-19.

(C) DIVISION means the Division of Fire and Building Safety of the Department.

(D) ENFORCING AUTHORITY means the authority having jurisdiction.

(E) GOVERNING AUTHORITY means the authority having jurisdiction.

(F) DESIGN PROFESSIONAL means an architect registered under IC 25-4 or a professional engineer registered under IC 25-31.

(e) Amend Section 4 to read as follows: Permanent passenger or freight elevators under construction, modification, or demolition may be used for carrying workers or materials, or both, provided that the elevators are approved for such use by the authority having jurisdiction in accordance with IC 22-15-5 and the Indiana Elevator Safety Code.

(f) In subsection 5.4.3, delete "qualified professional engineer" and "qualified engineer" and insert "design professional" for each.

(g) In subsection 8.1.3, make the following changes:

(1) Delete "American National Standard National Electrical Code, ANSI/NFPA 70-1990" and insert "the Indiana Electrical Code (675 IAC 17)".

(2) In the last sentence, delete "ANSI/NFPA 70-1990" and insert "the Indiana Electrical Code (675 IAC 17)".

(h) Add a new Section 6.2.4 to read as follows: Electric Contact Devices. Every landing door shall be provided with an

electric contact device to prevent operation of the hoist when the manual or automatic door locking device is in an unlocked position.

(i) In subsection 14.3.1, delete "Part II, section 201, Rule 201.4 of ANSI/ASME A17.1-1987" and insert "section 2.22.4 of ANSI/ASME A17.1-2000 as adopted by the Indiana Elevator Safety Code".

(j) In subsection 24.3.1, in the last sentence, delete "ANSI/NFPA 70-1990" and insert "the Indiana Electrical Code (675 IAC 17)".

(k) In subsection 24.4, delete "ANSI/NFPA 70-1987" and insert "the Indiana Electrical Code (675 IAC 17)".

(l) In subsection 26.1.1, delete the last sentence and insert the following: A jump of the tower is not considered an alteration.

(m) In subsection 26.1.2, make the following amendments:

(1) In the title, delete "Initial and Periodic Installation".

(2) Delete the first paragraph and insert the following: A licensed inspector must conduct the acceptance inspection and witness the full load tests required by 26.1.1. A licensed inspector employed by the authority having jurisdiction may conduct the acceptance inspection and witness these full load tests. If the authority having jurisdiction chooses not to make this inspection and witness this test, a third party licensed inspector shall conduct the required acceptance inspection and witness the full load test.

(3) In the third paragraph, delete "can be performed by state, local, licensed authority or the manufacturer." and insert "may be performed by a licensed inspector employed by the authority having jurisdiction. If the authority having jurisdiction chooses not to make this inspection, it shall be performed by a third party licensed inspector.".

(4) In the fourth paragraph, insert a period after "equipment" and delete "in the presence of an inspector employed by the enforcement authority" and insert "The enforcement authority may require that these tests be conducted in the presence of a licensed inspector employed by the enforcement authority. If the enforcement authority chooses not to be present for these tests, the tests shall be performed in the presence of a third party licensed inspector.".

(n) In subsection 26.1.3, add the following at the end of the sentence: The owner or the owner's authorized agent shall have all of the required acceptance tests made by persons qualified to perform such service. The enforcement authority may require that the acceptance tests be performed in the presence of a licensed inspector employed by the enforcement authority. If the enforcement authority chooses not to be present, then these tests shall be performed in the presence of a third party licensed inspector. The third party licensed inspector shall not be an employee of the elevator contractor that installed or altered the regulated lifting device or that is performing the required tests. The third party licensed inspector shall sign an attestation for each test that reads, "I hereby attest under penalty for perjury that:

(A) all of the required acceptance tests have been completed in my presence by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration.".

(o) In Section 26.3, delete "Part X, Section 1000, Rule 1000.3 of ANSI/ASME A17.1-1988" and insert "Section 8.10.2.2.5(c) of ANSI/ASME A17.1-2000 as adopted by the Indiana Elevator Safety Code (675 IAC 21)".

(p) Delete subsections 26.4.1 and replace it with the following: 26.4.1 Periodic Inspections. Periodic inspections shall be made by an inspector employed by the governing authority. The governing authority shall establish the frequency of these periodic inspections.

(q) Delete subsection 26.4.2 and replace it with the following: 26.4.2 General Requirements for Periodic Tests.

(1) Periodic tests shall be attested to by a qualified inspector.

(2) The qualified inspector identified in 26.4.2(1) shall sign an attestation for each periodic test for each regulated lifting device that reads, "I hereby attest under penalty for perjury that:

(A) all of the periodic tests required by this standard have been completed by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration.".

(3) The owner or the owner's authorized agent shall have all of the required periodic tests made by persons qualified to perform such service and shall have these tests attested to by a qualified inspector in the manner specified in 26.4.2(2).

(r) Delete subsection 26.4.3 and replace it with the following: 26.4.3 Frequency of Periodic Tests. Periodic tests of hoists shall be made at intervals not to exceed three (3) months.

(s) In subsection 26.4.4, in the title, delete "Inspections and".

(t) In subsection 26.4.5, in the title, delete "Inspections and".

(u) In subsection 26.4.6, in the title, delete "Inspection" and insert "Test".

(v) In subsection 26.4.7, in the title, delete "Inspection" and insert "Test".

(w) In subsection 26.5, in the last sentence, delete "and" and insert "but the installation must be".

(x) Delete Section 29 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 21-4-2; filed Aug 30, 1985, 11:52 a.m.: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1090; filed Nov 16, 2006, 4:04 p.m.: 20061213-IR-675050050FRA; filed Mar 14, 2011, 10:22 a.m.: 20110413-IR-675090871FRA*)

675 IAC 21-4-3 Classification and availability of rule (*Repealed*)

Sec. 3. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)