

## ARTICLE 23. RECREATIONAL FACILITIES

### Rule 1. Amusement Device Code

#### 675 IAC 23-1-1 Title, purpose, availability

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 1. (a) Title. This rule (675 IAC 23-1) shall be known as the Indiana Amusement Device Code, and shall be published by the Fire and Building Services Department for general use and distribution under that title. Whenever the term "this code" is used throughout this rule (675 IAC 23-1) it shall mean the Indiana Amusement Device Code.

(b) Purpose. The purpose of this code is to establish and provide for the administration of an inspection program to regulate amusement devices; set minimum standards in order to secure public safety, health and general welfare through structural strength, stability and safety to life and property hazards incidental to the installation, alteration, repair, removal and operation of amusement devices; and to establish a schedule of reasonable inspection fees for amusement devices, based on the size and complexity of the device.

(c) Availability. This rule (675 IAC 23-1) is available for purchase from the Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-1; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3898; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### 675 IAC 23-1-2 Administration, Part I; scope

Authority: IC 22-13-2-13

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

Sec. 2. The provisions of Administration, Part I; (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code establishes a program for the inspection of amusement devices and provides for the administration of that program. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-2; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### 675 IAC 23-1-3 Exempted devices

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 3. The following amusement devices are ordinary forms of transportation and therefore are exempt from the provisions of this code:

(1) Buses, trolleys or similar ground vehicular transportation devices used within an amusement park, carnival or fair, designed to transport people and not used for the purpose of amusement or viewing of the amusement park.

(2) Sightseeing boats and similar water transportation devices.

(3) Helicopters, hot air balloons, airplanes, and similar air transportation devices.

(*Fire Prevention and Building Safety Commission; 675 IAC 23-1-3; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### 675 IAC 23-1-4 Definitions

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 4. For the purposes of this code, the following terms shall have the meaning indicated.

"ACCEPTED ENGINEERING PRACTICE" means that which conforms to accepted principles, tests, or standards of nationally recognized technical or scientific authorities.

"AMUSEMENT DEVICE" means a device designed to carry or convey one (1) or more persons in one (1) or more planes or degrees of motion for the purpose of amusement, recreation, or entertainment. The term includes an amusement ride. Passenger

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tramways, aerial tramways and lifts, surface lifts and tows fall within this definition of amusement device. Passenger operated devices such as go-carts, pedal boats and bicycles are not within this definition.

"AMUSEMENT PARK" means a tract or area used principally as a permanent location for amusement devices, rides and structures.

"APPROVED" means acceptable to the state building commissioner or an inspector.

"ATTENDANT" means the individual contracted or the employee who physically operates the amusement device.

"CARNIVAL" means an enterprise offering amusement or entertainment to the public in, upon, or by means of portable amusement devices.

"COMMISSIONER" means the state building commissioner.

"CONTAINING DEVICE" means a strap, belt, bar, gate or other safety device designed to prevent accidental or inadvertent dislodgment of a passenger from a ride or device, but which does not actually provide physical support.

"CONVEY" means to bear from one place to another, to carry or transport.

"CRITICAL COMPONENTS" means a component or system of components that, due to their importance in the continued proper operation of the device, have been designated by the manufacturer as requiring special fabrication, maintenance, inspection or operation.

"DEVICE" see amusement device.

"FAIR" means an enterprise principally devoted to the exhibition of products of agriculture or industry in connection with the operation of amusement.

"FIRST AID" means the one-time treatment or subsequent observation of scratches, cuts, splinters or contusions not requiring more than approximately ten (10) stitches, diagnostic procedures including examination and x-rays which does not ordinarily require medical treatment even though provided by a physician or other licensed professional personnel.

"INSPECTION SEAL" means the seal that is affixed to the amusement ride or device by an inspector after successfully passing the annual inspection.

"INSPECTIONS":

"ANNUAL INSPECTION" means the official, first use, yearly inspection made by the commissioner or an inspector, for the purpose of determining if the amusement device is in safe operating condition for use in that calendar year.

"PERIODIC ONSITE INSPECTION" means an unscheduled inspection performed by the commissioner, an inspector or a local building official, to determine if the device has a valid operating permit, if any damage has occurred and to check for proper maintenance and operation of the ride or device.

"REINSPECTION" means an inspection, other than the annual inspection or the periodic onsite inspection, made during the current season, of an amusement device as a result of a sealed out of service order.

"SUBSEQUENT INSPECTION" means an annual inspection which has been rescheduled because of improper previous notice from the operator.

"INSPECTOR" means an employee of the Fire and Building Services Department qualified to inspect for compliance with this code.

"MAJOR BREAKDOWN" means damage, failure or breakage of a structural or stress bearing part of a device.

"MAJOR MODIFICATION" means any change in either the structural or operational characteristics of the device which will alter its performance from that specified in the manufacturer's design criteria.

"OPERATING PERMIT" means the inspection seal that is affixed to the amusement device by an inspector and identifies the device as officially approved to operate in Indiana.

"OPERATOR" means the owner, or the agent of the owner, who has custody or control of an amusement device.

"PERMANENT AMUSEMENT DEVICE" means an amusement device that is erected to remain a lasting part of the premises.

"PORTABLE AMUSEMENT DEVICE" means an amusement device that is relocated from time to time with or without disassembly.

"PROPERLY MAINTAINED" means assembling, disassembling, transporting and operating amusement devices in accordance with this code, manufacturer's recommendations, nationally recognized standards, and recognized practice. Properly maintained also means lubricating, greasing, oiling, testing and repairing of parts at specified time intervals in accordance with the recommended practices and procedures.

"REGULATED AMUSEMENT DEVICE" means the same as "Amusement Device".

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"RESTRAINING DEVICE" means a safety belt, harness, chain, bar or other device which affords actual physical support, retention, or restraint to the passenger of an amusement device.

"SAFETY RETAINER" means a secondary safety cable, bar attachment or other device designed to prevent parts of an amusement device from becoming disengaged from the mechanism or from tipping or tilting in a manner to cause a hazard to persons riding on, or in the vicinity of an amusement device.

"SERIOUS INJURY" means an injury that requires medical treatment, other than first aid by a physician.

"SHALL" or "MUST" means the provision is mandatory. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-4; filed Sep 19, 1986, 9:15 am: 10 IR 239, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-5 Responsibility for compliance**

Authority: IC 22-13-2-13

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

Sec. 5. Every operator of an amusement device shall comply with or affect compliance with all provisions of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-5; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-6 Prohibited use**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 6. The operator of an amusement device shall not knowingly or intentionally allow the device to be operated:

- (1) without a valid Indiana operating permit, or
- (2) when it has been sealed out of service, or
- (3) when in violation of this code, or
- (4) without passing the annual inspection, or
- (5) without providing a current certificate of insurance.

Also, no person shall knowingly use, suffer or permit to be used, an amusement device which is not properly assembled or which is defective or unsafe in any of its parts, components or safety equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-6; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3900; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-7 Enforcement**

Authority: IC 22-13-2-13

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

Sec. 7. (a) The provisions of this code shall be enforced by the state building commissioner.

(b) Local building officials may cooperate with the state building commissioner in the enforcement of the Administration; Part I (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code for the purpose of periodic onsite inspections.

(c) Correction orders and sealed out of service orders shall only be issued by an inspector, as defined in this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-7; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-8 Powers and duties**

Authority: IC 22-13-2-13

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

Sec. 8. (a) The inspector may enter any amusement device, park or premise at all reasonable times to make an inspection or enforce any of the provisions of this code.

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(b) When entering an amusement device, park or premise that is occupied, the inspector shall first identify himself, present proper credentials and request entry. If the amusement device, park or premise is unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge of the amusement device, park or premise and request entry. If entry is refused, the inspector shall have recourse to every remedy provided by law to secure entry.

(c) No person, owner or operator of any amusement device, park or premise shall fail, after proper credentials are displayed, to permit entry into any amusement device, park or onto any property by the inspector for the purpose of inspections pursuant to this code. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-8; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-9 Annual operating permit**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 9. No person shall operate an amusement device unless it has been inspected and an annual operating permit has been issued by the state building commissioner. To obtain an annual operating permit the operator must:

- (1) Complete the application for an annual operating permit form in full.
- (2) Pay the inspection fee detailed in the Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code.
- (3) The device shall successfully pass the annual inspection.

An amusement device that complies with all of the requirements will have an inspection seal affixed to it by an inspector. The inspection seal will serve as the annual operating permit for that amusement device. No person shall cause to be affixed to an amusement device a valid permit issued for another device.

If the device fails the annual inspection, the inspector will schedule a reinspection. The cost of the reinspection will be one-half (1/2) of the annual inspection fee. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-9; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-10 Operating permit form; application**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 10. The application for an annual operating permit form will be provided to the operator, upon request, by the state building commissioner. The operator shall apply for the annual operating permit thirty (30) days prior to the first opening of a device in Indiana. The application form shall provide the required information as follows:

- (1) Name, address and telephone number of operator having custody or control of the amusement device.
- (2) Name, address and telephone number of amusement device owner.
- (3) Name, address and telephone number of representative to be contacted concerning inspection.
- (4) Date of application and name and signature of person making application.
- (5) Identification of each device by a trade or descriptive name and an identification number.
- (6) Address, date and time of first scheduled opening of the device(s) in Indiana.
- (7) Itinerary of all scheduled show dates in Indiana. All itinerary changes shall be reported to the state building commissioner by telephone within twenty-four (24) hours.
- (8) Any additional information deemed necessary by the state building commissioner, for the purposes of scheduling inspections.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-10; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-11 Reciprocity (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904)*

**675 IAC 23-1-12 Annual inspection**

Authority: IC 22-13-2-13

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

Sec. 12. The state building commissioner shall cause to be inspected each amusement device before its first use in any calendar year. The annual inspection shall be performed to determine to a reasonable degree, that the structural materials and the construction of the amusement device conforms to recognized engineering practices, procedures, standards and manufacturer's specifications. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-12; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-13 Inspection seal**

Authority: IC 22-13-2-13

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

Sec. 13. An amusement device that successfully passes the annual inspection shall have a seal applied by the inspector, which will serve as the annual operating permit. (Also see 675 IAC 23-1-9.) *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-13; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-14 Periodic onsite inspection**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 14. The state building commissioner shall also cause to be made periodic onsite inspection of the erection and operation of amusement devices, however, no such periodic inspection can be required as a prerequisite for operation. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-14; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-15 Correction order**

Authority: IC 22-13-2-13

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

Sec. 15. If an inspector finds a condition on the equipment which does not comply with this code, but would not cause harm to persons if not corrected prior to operation, he will issue a correction order. Failure to comply with a correction order shall cause the device to be sealed out of service. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-15; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-16 Sealed out of service**

Authority: IC 22-13-2-13

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

Sec. 16. If an inspector finds a condition on the amusement device which may cause harm to persons if not corrected prior to operation, he shall seal it out of service. The inspector, on request, shall reinspect the device and if the condition has been corrected, he shall remove the sealed out of service order. If an amusement device must be moved while sealed out of service, the annual inspection seal shall be suspended until the condition is corrected and the equipment has been reinspected. A sealed out of service order supercedes the annual operating permit. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-16; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-17 Subsequent inspection**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

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Sec. 17. Whenever an inspector goes to a site to perform a scheduled annual inspection, but cannot do so because the operator has failed to prepare the devices for inspection, a subsequent inspection date shall be scheduled and the operator shall be charged a subsequent inspection fee. However, if the operator gives the inspector reasonable notification, prior to the inspector's arrival on the site, no subsequent inspection fee will be charged. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-17; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-18 Reinspections**

Authority: IC 22-13-2-13

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

Sec. 18. Reinspections shall be performed within twenty-four (24) hours of a request for reinspection, or as soon thereafter as practical. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-18; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-19 Inspections; written reports**

Authority: IC 22-13-2-13

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

Sec. 19. Every inspection shall be documented by a written inspection report. Each observed violation of these rules shall be noted on the inspection report. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-19; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-20 Penalty (Repealed)**

Sec. 20. (*Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904*)

**675 IAC 23-1-21 Reporting injuries, deaths and mechanical failures**

Authority: IC 22-13-2-13

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

Sec. 21. (a) Injuries and fatalities shall be reported to the state building commissioner in the following manner:

(1) The operator shall report by telephone within four (4) hours:

- (A) any fatalities, or
- (B) serious injuries,

that resulted from a failure of the amusement device.

In these cases the state building commissioner shall determine if the device shall be sealed out of service until an inspection of the site can be performed. If the device is sealed out of service the state building commissioner shall perform an inspection within twenty-four (24) hours. (Also, any telephone report shall be followed by a written report within five (5) working days.)

(2) The operator shall report by mail within five (5) working days any:

- (A) serious injuries or fatalities that resulted from natural cause or human error of the passenger during operation of the device, or
- (B) first aid injuries that resulted from a failure of the amusement device.

(3) Any report shall state all pertinent facts including:

- (A) date, time and location of incident;
- (B) name, age, and address of victim;
- (C) type of injury;
- (D) hospital where treated, if any;
- (E) a description of the accident;
- (F) name and identification number of amusement device involved; and

(G) name, address and telephone number of operator filing the report.

(b) Any operator of an amusement device shall within forty-eight (48) hours report to the state building commissioner a major breakdown of a device by telephone. Upon notification, the state building commissioner may seal the device out of service until repaired and reinspected. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-21; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-22 Technical requirements, Part II; scope**

Authority: IC 22-13-2-13

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

Sec. 22. The provisions of Technical Requirements, Part II (675 IAC 23-1-22 through 675 IAC 23-1-61) of this code shall apply to the following.

(a) Installation, alteration, repair, equipment, operation, location, maintenance and removal of every amusement device or any appurtenances connected or attached to such amusement device.

(b) Existing amusement devices which are in safe operating condition and comply with all manufacturer's specifications for the original device shall not be made to comply with manufacturer's specifications for a new amusement device. However, if a manufacturer recommends or requires a critical component, or other component of the amusement device, to be upgraded because of documented proof that the continued use of the device in its present condition may cause harm or otherwise endanger public safety, the manufacturer's recommendation or requirement shall be complied with. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-22; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-23 General provisions**

Authority: IC 22-13-2-13

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

Sec. 23. All amusement devices, including homemade devices and devices for which no manufacturer's specifications exist, shall comply with the provisions of this code and any safety standards, operating manuals and technical specifications prescribed by the manufacturer for a particular device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-23; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-24 Maintenance**

Authority: IC 22-13-2-13

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

Sec. 24. All amusement devices, both existing and new, and all parts thereof, shall be maintained in a safe condition. All devices or safeguards which are required by this code, or the manufacturer, in an amusement ride or device when erected, altered or repaired shall be maintained in good working order. The owner, or his designated agent, shall be responsible for the maintenance of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-24; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-25 Amusement device identification**

Authority: IC 22-13-2-13

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

Sec. 25. Every amusement device shall be identified by a trade, descriptive name and an identification number. There shall be permanently attached to every amusement device, in a readily visible location, a metal plate containing the name and identification number of the amusement device, and the name and address of its manufacturer. Upon the same or another metal plate so attached, shall be legibly impressed the maximum safe number of passengers, maximum safe load in pounds and the maximum safe speed. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-25; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986;)*

*readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-26 Non-destructive testing**

Authority: IC 22-13-2-13

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

Sec. 26. (a) The commissioner may require that all devices of the type listed below have all main life supporting spindles, shafts or supplementary spindles checked by a method of non-destructive testing when he finds that such non-destructive testing is necessary to protect the life and safety of persons or when recommended by the manufacturer. Testing shall be conducted by a person, firm or company familiar with or qualified in using a method that is best suited for optimum results in determining cracks or discrepancies in the part being checked. A letter of the results of the examination shall be filed with the commissioner.

- (1) All type wheel rides (i.e., Ferris, Astro, Space, Sky, etc.)—main and seat spindles.
- (2) Loop O Plane.
- (3) Paratrooper.
- (4) Rock O Plane—main and tub.
- (5) Rock N Roll—main and car spindles.
- (6) Round Up.
- (7) Sky Diver.
- (8) Tip Top—main and car spindles.
- (9) Trabant.
- (10) Turbo—two (2) sweep axles.
- (11) Radar (Raven)—two (2) sweep axles.
- (12) Zipper.
- (13) Rampage—main, boom and seat.
- (14) Monster—eccentric spindle.
- (15) Octopus—eccentric spindle.
- (16) Spider—eccentric spindle.
- (17) Similar amusement devices or any other amusement devices which have suspected stress members or have experienced failures.

(b) Any amusement device damaged by a breakdown or in a highway or midway accident shall comply with the non-destructive testing section when the commissioner deems it necessary. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-26; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-27 Major modifications of amusement devices**

Authority: IC 22-13-2-13

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

Sec. 27. (a) After the effective date of this code (November 1, 1986) any major modification to original design initiated by the operator shall, prior to modification, be submitted in writing to the manufacturer or a registered engineer for approval, based on accepted engineering practice. Evidence of approval shall be submitted to the commissioner.

(b) An amusement device that has been subject to a major modification shall have affixed an additional information plate containing the name of the alterer or remanufacturer, a supplementary serial number, and a certification of the date, maximum speed and maximum capacity. All amusement devices that were subject to a major modification prior to the effective date of this code (November 1, 1986) shall have an additional information plate stating that the modification was performed prior to November 1, 1986. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-27; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-28 Repairs**

Authority: IC 22-13-2-13

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



Sec. 28. Repairs will be carried out in accordance with the manufacturer's instructions and replacement parts shall meet or exceed original equipment specifications. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-28; filed Sep 19, 1986, 9:15 am; 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-29 Welding, cutting and brazing**

Authority: IC 22-13-2-13

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

Sec. 29. No welding, cutting or brazing shall be accomplished where the public can directly observe or be hit by sparks or flying materials generated by the process. All compressed gas, compressed gas cylinders, electrical equipment and other apparatus associated with welding, cutting and brazing shall be stored, handled and meet the requirements of the rules of the fire prevention and building safety commission, and nationally recognized standards. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-29; filed Sep 19, 1986, 9:15 am; 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-30 Operator responsibilities**

Authority: IC 22-13-2-13

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

Sec. 30. (a) Fact Sheet. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's recommended operating instructions and specifications, and prepare an operating fact sheet. This fact sheet shall be made available to each attendant of the amusement device.

(1) The operator's fact sheet (for each amusement device) shall include but not be limited to:

- (A) specific amusement device operation policies and procedures with pertinent information from the manufacturer's instructions;
- (B) description of the amusement device operation;
- (C) duties of the specific assigned position of the device attendant;
- (D) general safety procedures such as when the amusement device has mounting which would entangle long hair, scarves, etc., or warning passengers to be cautious;
- (E) any additional recommendations of the operator;
- (F) specific emergency procedures in the event of an abnormal condition or an interruption of service.

(2) The operator shall provide training for each attendant of an amusement device. This training shall include but not be limited to the following, where applicable:

- (A) instructions on amusement device operating procedures;
- (B) instructions on specific duties of the assigned position;
- (C) instructions on general safety procedures;
- (D) instructions on emergency procedures;
- (E) demonstration of the physical amusement device operation;
- (F) supervised observation of the amusement device attendant's physical operation of the amusement device.

(b) Program for Maintenance, Testing and Inspection. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's maintenance, instructions and specifications or best information available. Based on the manufacturer's recommendations and general accepted practice, each operator shall implement a program of maintenance, testing, and inspections providing for the duties and responsibilities necessary in the care of each amusement device. This program of maintenance shall include a checklist to be made available to each person performing the regularly scheduled maintenance on each amusement device.

(1) The operator's checklist (for each amusement device) shall include but not be limited to:

- (A) description of preventive maintenance assignments to be performed;
- (B) description of inspections to be performed;
- (C) special safety instructions, where applicable;
- (D) any additional recommendations of the operator.

(2) The operator of the amusement device shall provide training for each person performing the regularly scheduled

maintenance on the amusement device, pertaining to their assigned duties. This training shall include, but not be limited to the following:

- (A) instruction on inspection and preventative maintenance procedures;
- (B) instruction on the specific duties of the assigned position;
- (C) instruction on general safety procedures;
- (D) demonstration of the physical performance of the assigned regularly scheduled duties and inspections;
- (E) supervised observation of the maintenance person's physical performance of their assigned regularly scheduled duties and inspection;
- (F) additional instructions deemed necessary by the operator.

(3) Prior to carrying passengers, the operator shall conduct or cause to be conducted *[sic.]* a daily documented and signed pre-opening inspection, based on provided instructions, to insure the proper operation of the amusement device. The inspection program shall include, but not be limited to the following:

- (A) inspection of all passenger-carrying amusement devices, including restraint devices and latches;
- (B) visual inspection of entrances, exits, stairways, and ramps;
- (C) functional test of all communication equipment necessary for the operation of the amusement device;
- (D) inspection or test of all automatic and manual safety devices;
- (E) inspection or test of the brakes, including service brakes, emergency brakes, parking brakes, and back stops;
- (F) visual inspection of all fencing, guarding, and barricades;
- (G) visual inspection of the amusement device structure;
- (H) the amusement device shall be operated for a minimum of one complete operating cycle.

(c) Following an unscheduled cessation of operation caused by malfunction; adjustment; mechanical; electrical or operational modification; or environmental conditions that may effect the safe use of the device, the attendant shall:

- (1) unload passengers from the amusement device;
- (2) inspect the amusement device;
- (3) operate the amusement device without passengers, to determine that the cause for cessation of operation has been corrected and does not create an operational problem.

This subsection shall not apply to amusement devices covered by ANSI B77.1-1982 (675 IAC 23-1-60). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-30; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-31 Overloading and overspeeding**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 31. An amusement device shall not be overcrowded or loaded in excess of its safe passenger capacity, nor shall it be operated at an unsafe speed or at any speed beyond that recommended by the manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-31; filed Sep 19, 1986, 9:15 am: 10 IR 245, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-32 Wind and storm hazards**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 32. An amusement device which is exposed to extreme weather conditions shall not be operated except to release or discharge occupants, until the extreme weather condition abates. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-32; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-33 Public protection; general**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

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Sec. 33. An amusement device shall not be used or operated while any person is so located as to be endangered by it. Areas in which persons may be struck by a device or similarly injured, shall be fenced, barricaded or otherwise guarded against public intrusion. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-33; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 23-1-34 Signal systems**

Authority: IC 22-13-2-13

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

Sec. 34. Signal systems for the starting and stopping of amusement devices shall be provided where the attendant of the amusement device does not have a clear view of the point at which passengers are loaded or unloaded. Any code of signals adopted shall be printed and kept posted at both the attendant's and signalman's stations. The signal for the movement or operation of an amusement device shall not be given until all passengers, operators, and other persons who may be endangered are in a position of safety. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-34; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 23-1-35 Assembly and disassembly; supervision**

Authority: IC 22-13-2-13

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

Sec. 35. The assembly and disassembly of an amusement device shall be done by or under the immediate supervision of a person experienced in the proper performance of such work in respect to the device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-35; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 23-1-36 Assembly**

Authority: IC 22-13-2-13

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

Sec. 36. Parts shall be properly aligned, and shall not be bent, distorted, cut or otherwise injured to force a fit. Parts requiring lubrication shall be lubricated in the course of assembly. Fastening and locking devices, such as bolts, cap screws, cotter pins and lock washers shall be installed where required for dependable operation. Nuts shall be drawn tight, cotter pins shall be spread and lock nuts firmly set. Welding of parts upon which safe operation depends (critical components), shall be done by welders certified in accordance with the requirements of the American Welding Society. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-36; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 23-1-37 Inspection of parts**

Authority: IC 22-13-2-13

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

Sec. 37. Parts which are excessively worn or which have been materially damaged shall not be used. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-37; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 23-1-38 Tools and equipment**

Authority: IC 22-13-2-13

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

Sec. 38. Persons engaged in the assembly or disassembly of amusement devices shall use tools of proper size and design to enable the work to be done safely. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-38; filed Sep 19, 1986, 9:15*

*am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-39 Location**

Authority: IC 22-13-2-13

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

Sec. 39. (a) An amusement device shall be placed on stable blockings and be secured to prevent shifting, tipping, swaying or erratic motion. The provision pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility. Use of shim blocks shall be kept to a minimum. Adequate means of drainage shall be provided to prevent water from collecting and softening supporting areas. The area surrounding the amusement device shall be clear and kept free from trash and tripping hazards.

(b) A fixed amusement device permanently erected in an amusement park shall be set on properly designed and constructed foundations or footings and secured to these footings in a manner to prevent shifting, tipping, swaying, or erratic motion. The provisions pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility.

(c) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's recommendations. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-39; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-40 Leveling and alignment**

Authority: IC 22-13-2-13

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

Sec. 40. (a) Corner posts, central columns or support structures of an amusement device designed to operate on a perpendicular axis shall be plumb and secured so that the path of the sweeps or platforms shall be level and operate on a true horizontal plane at right angles to the axis of the pivot. An amusement device whose carriers are designed to operate on a horizontal axis shall be leveled so that the carriers all orbit in a true perpendicular plane. The base of an amusement device employing a combination of orbiting planes or a ride whose carriers operate normally in a plane other than true horizontal or vertical shall be leveled, plumbed and secured so that they will not tip or shift and will be stable under the most adverse operating conditions.

EXCEPTION: Bases for amusement devices designed to permit flotation characteristics or flexibility, or designed to operate properly whether the base is plumb or not.

(b) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's specifications. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-40; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-41 Number of exits**

Authority: IC 22-13-2-13

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

Sec. 41. (a) All totally enclosed amusement device structures shall have at least two (2) exits located at or near opposite ends of the structure.

(b) If the capacity of the totally enclosed amusement device structure exceeds six hundred (600) persons, exits shall be provided on three (3) sides. If the capacity exceeds one thousand (1000) persons, the exits shall be located on four (4) sides. Exits shall be uniformly distributed as nearly as possible and the line of travel from any point to an exit shall not exceed one hundred fifty feet (150'). *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-41; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-42 Access and egress; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

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Sec. 42. (a) Safe and adequate means of access to and egress from amusement devices shall be provided. All passageways are to be kept free from debris, obstruction, projection and other hazards. All surfaces shall be such as to prevent slipping and tripping, and floors shall be kept free of protruding nails, splinters, holes or loose boards. Where mechanical handling equipment is used, sufficient safe clearance shall be allowed for passageways.

(b) Adequate stairways or ramps and necessary landings and platforms shall be provided where persons enter or leave an amusement device, or structure that is above or below grade or floor level at the entrance to and exit from such. Unless provided by a recognized manufacturer as a part of the amusement device, the design and construction of stairways, ramps and railings shall conform to the Indiana Building Code (675 IAC 13), except for the placement of stairway railings and guards. All stairs with more than three (3) risers shall have standard handrails or railings on both sides regardless of width, and when stairways are eighty-eight inches (88") or more in width, a railing shall be placed approximately in the center.

(c) Stairway landings and ramps shall be designed, constructed and maintained so as to sustain safely a live load of at least ninety (90) pounds per square foot.

(d) At least two (2) exits remote from each other shall be provided from each level floor, tier, room or balcony. No exit shall be less than twenty-eight inches (28") wide. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-42; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 23-1-43 Lighting**

Authority: IC 22-13-2-13

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

Sec. 43. Amusement devices, access thereto and exits therefrom, shall be provided with illumination by natural or artificial means sufficient to guard against personal injuries while in operation or occupied. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-43; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 23-1-44 Design and construction; general**

Authority: IC 22-13-2-13

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

Sec. 44. Amusement devices subject to the provisions of this code shall be so designed and constructed that the minimum allowable loads will not stress any part beyond allowable limits. Amusement devices shall be anchored, guyed, stayed, or otherwise supported, to provide proper stability and to restrict any adverse change in stability. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-44; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 23-1-45 Brakes**

Authority: IC 22-13-2-13

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

Sec. 45. If cars or other components of an amusement device collide upon failure of normal controls, emergency brakes sufficient to prevent such collisions shall be provided. On devices which make use of inclined tracks, automatic anti-rollback devices shall be installed to prevent backward movement of the passenger-carrying units in case of failure of the propelling mechanism. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-45; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 23-1-46 Speed limiting devices**

Authority: IC 22-13-2-13

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

Sec. 46. An amusement device capable of exceeding its maximum safe operating speed shall be provided with a speed-limiting

device. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-46; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-47 Machinery guards**

Authority: IC 22-13-2-13

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

Sec. 47. Machinery used in or with an amusement device shall be enclosed, barricaded or otherwise effectively guarded against contact. Guards removed for maintenance purposes shall be replaced before normal operation is resumed. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-47; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-48 Driving mechanism guards**

Authority: IC 22-13-2-13

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

Sec. 48. Amusement devices that are self-powered and that are operated by passengers shall have the driving mechanism guarded and the guards locked in place to prevent passengers from gaining access to the mechanism. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-48; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-49 Mechanical power transmission**

Authority: IC 22-13-2-13

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

Sec. 49. All power transmission devices and associated moving parts shall be shielded, enclosed or barricaded to protect the public. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-49; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-50 Interior finish**

Authority: IC 22-13-2-13

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

Sec. 50. The interior and exterior parts of all passenger-carrying amusement devices with which a passenger may come in contact shall be smooth and rounded, free from sharp, rough or splintered edges and corners, with no protruding studs, bolts, screws or other projections. Interior parts upon which or against which a passenger may be forcibly thrown by the action of the ride shall be adequately padded. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-50; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-51 Safety equipment**

Authority: IC 22-13-2-13

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

Sec. 51. Belts, bars, foot rests and other equipment, as may be necessary for safe entrance and exit and for support while the amusement device is in operation, shall be provided. Such equipment and the fastenings shall be of sufficient strength to retain the passengers. The fastenings shall be of a type which cannot be inadvertently released. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-51; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-52 Enclosed amusement device structures; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 52. All partially or totally enclosed amusement device structures shall be designed and constructed to carry safely all loads to which such structures may normally be subjected. Materials used in above structures shall not be stressed beyond limits stated in the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-52; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-53 Air compressors**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 53. Air compressors, air compressor tanks and equipment used in connection therewith, shall be constructed, equipped and maintained in accordance with the rules of the Indiana Boiler and Pressure Vessel Board (680 IAC) and nationally recognized standards. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-53; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-54 Internal combustion power sources**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 54. Internal combustion power sources shall be of adequate type, design and capacity to handle the actual design load. Additional requirements are addressed in the Indiana Fire Prevention Code (675 IAC 22). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-54; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-55 Hydraulic systems; general**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 55. Hydraulic systems shall be checked for leaks, damaged pipes and worn or deteriorated hoses. Only manufacturer approved hydraulic fluid shall be used. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-55; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-56 Relief devices**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 56. Pressure relief valves or devices shall be operated on a periodic basis to insure that they operate properly. This includes compressed air and gas devices. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-56; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-57 Electrical safety requirements**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 57. (a) All electrical wiring, equipment and apparatus used for amusement devices or for lighting shall be properly and legally installed, operated and maintained, as required by the Indiana Electrical Code (675 IAC 17).

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(b) The following requirements shall apply to all amusement devices:

- (1) The outlets of electric power lines carrying more than one hundred twenty (120) volts shall be clearly marked to show their voltage.
- (2) Electrical apparatus and wiring located outdoors shall be of such quality and so constructed or protected that exposure to weather will not interfere with its normal operation or endanger life or property.
- (3) Elevated power lines crossing access or other roads within the grounds of the carnival, circus, fair or amusement parks or other areas where the amusement devices are located shall be so suspended as to provide minimum vertical clearance of twelve feet (12') from the road surface and minimum horizontal clearance of three feet (3') from each side of the normal passage space of vehicles.
- (4) Wiring laid on or under surfaces traversed by vehicular or pedestrian traffic shall be adequately protected against wear and abrasion.
- (5) Temporary electric wiring if suspended shall be so supported that its protective insulation will not be damaged.
- (6) All electrical installations shall be properly grounded. All electrical cords shall be of the heavy duty type and shall contain an identifying grounding conductor in addition to the current-carrying conductors.
- (7) Bare wires and other uninsulated current-carrying parts shall be guarded against accidental contact by means of proper location or by a fence or other barrier.
- (8) Conductors shall be provided with over-current protective devices according to load and current-carrying capacity. No such device shall be installed on neutral or grounding conductors.
- (9) Where electrical power is supplied for an amusement device by privately operated generating system, the generator and all equipment shall be properly grounded if the system incorporates a ground.
- (10) All receptacles and attachment caps shall be of the grounding type.
- (11) Each electrically powered amusement device shall be effectively grounded. The grounding shall be made effective as to all noncurrent-carrying metal parts which may become energized and which are exposed to contact by any person.
- (12) Each electrically operated amusement device not designated to be controlled directly by the passenger shall be provided with a disconnect power switch placed within easy reach of the attendant.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-57; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-58 Elevators, escalators and moving walks; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 58. Elevators, escalators and moving walks shall be designed, constructed and installed in accordance with the Indiana Building Code (675 IAC 13) and the Indiana Elevator Safety Code (675 IAC 21). *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-58; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-59 Ski equipment**

Authority: IC 22-13-2-13

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

Sec. 59. Devices and equipment generally associated with winter sports activities, such as ski lifts, ski tows, J-bars, ski mobiles, chair lifts and aerial tramways, shall be installed and maintained in accordance with ANSI Standard B77.1-1982 published by the American National Standard Institute. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-59; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-60 Adoption by reference**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9



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Sec. 60. (a) That certain document, being titled as the American National Standard for Passenger Tramways – Aerial Tramways and Lifts, Surface Lifts, and Tows – Safety Requirements 1982 edition (ANSI B77.1-1982), published by the American National Standards Institute, 1430 Broadway, New York, New York, 10018, be and the same is hereby adopted by reference, as if fully set out in this rule (675 IAC 23-1), save and except those revisions in this section.

(b) Delete Section 8 in its entirety and substitute the following:

"8. Referenced Standards

When any of the following standards are referenced within this standard (ANSI B77.1-1982) they shall not be considered as adopted by reference but rather shall be treated as (1) adopted rules of the Fire Prevention and Building Safety Commission or (2) nationally accepted practice in accordance with this section.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, ANSI/NFPA 30-1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.2 Whenever reference is made to American National Standard for the Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58-1979 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, ANSI/NFPA 70-1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Electrical Code (675 IAC 17) is substituted therefor.

8.2 Nationally Accepted Practice

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1-1982) it shall be considered only as nationally accepted practice.

American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1-1972

American National Standard National Electric Safety Code, ANSI C2-1987

American National Standard for Wire Rope for Mines, ANSI M11.1-1980

American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37-1979

American National Standard Lightning Protection Code, ANSI/NFPA 78-1980

American Gear Manufacturers *[sic.]* Association

AGMA – Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02, 1965

AGMA – Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02, 1964 (R1974)

AGMA – Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01, 1966 (R1974)

AGMA – Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A, 1966

AGMA – Rating the Strength of Spur Gear Teeth, AGMA 220.02, 1966

AGMA – Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02, 1965

AGMA – Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02, 1964

AGMA – Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A, 1966

AGMA – Practice of Enclosed Speed Reducers or Increases Using Spur, Helical Herringbone and Spiral Bevel Gears, AGMA 420.04, 1975

AGMA – Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05, 1971

AGMA – Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06, 1977

American Petroleum Institute API-RP9B."

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-60; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-61 Recommended practice**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 61. The following American Society for Testing and Materials (ASTM) standards are deemed recommended practice for information purposes only.

- F 698 - 83 Specification for Physical Information to be Provided for Amusement Rides and Devices.
- F 747 - 82 Definitions of Terms Relating to Amusement Rides and Devices.
- F 770 - 82 Practice for Operation Procedures for Amusement Rides and Devices.
- F 846 - 83 Guide for Testing Performance of Amusement Rides and Devices.
- F 853 - 83 Practice for Maintenance Procedures for Amusement Rides and Devices.
- F 893 - 84 Guide for Inspection of Amusement Rides and Devices.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-61; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-62 Fee schedule, Part III; scope**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 62. The provisions of Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code shall apply to the fees charged for inspection of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-62; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-63 Annual inspection fees**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
 Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 63. (a) The fee for an annual inspection of permanent and portable amusement devices except for those covered in subsection (b) shall be based on the size and complexity of the device as follows:

FEE	TYPE OF DEVICE	DESCRIPTION
\$144	Kiddie	An amusement device designed for seventy-five pounds (75#) or less per passenger unit intended for use by children age twelve (12) and under.
\$144	Major	An amusement device designed for seventy-five pounds (75#) or more intended for use by children above age twelve (12) and not listed as a spectacular amusement device.
\$144	Spectacular	Includes the following list of amusement devices and any similar amusement device: <div style="margin-left: 40px;">                     Himalayas-Flying Bobs                      Sky Wheels                      Sky Divers                      Falling Stars                      High Rise, Roller Coaster                      Enterprise                      Log Flume                      Hang 10                 </div>

(b) The fee for an annual inspection of passenger tramways, aerial tramways and lifts, surface lifts and tows shall be based on mode of transportation of passengers uphill, on the surface or above the surface.

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MODE OF TRANSPORTATION	FEE-PER DRIVING MECHANISM
On Surface	\$144
Above Surface	\$288

(c) Reinspection fees shall be one-half (½) of the annual inspection fee.

(d) Subsequent inspection fee shall be one hundred dollars (\$100) per device. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-63; filed Sep 19, 1986, 9:15 a.m.: 10 IR 251, eff Nov 1, 1986; filed Sep 13, 1988, 2:32 p.m.: 12 IR 318; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2735*)

**675 IAC 23-1-64 Administrative, Part I**

Authority: IC 22-13-2-13

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

Sec. 64. Additional information regarding payment of fees and definitions for types of inspection may be found in Administration; Part I of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-64; filed Sep 19, 1986, 9:15 am: 10 IR 252, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**Rule 2. Regulated Amusement Device Training and Certification Rules**

**675 IAC 23-2-1 Title; purpose; availability**

Authority: IC 22-13-2-8; IC 22-13-2-9; IC 22-15-2-6

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 22-15-7; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the regulated amusement device training and certification rule and shall be published by the fire and building services department for general use and distribution under that title.

(b) The purpose of this rule is to define appropriate training for a person who inspects regulated amusement devices, to adopt by reference specified ASTM standards for this purpose, to require that inspectors be Level 1 certified by the National Association of Amusement Ride Safety Officials and conduct inspections that conform to the rules of the commission, and to require that regulated amusement devices be operated and maintained in accordance with the rules of the commission.

(c) This rule is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-1; filed May 10, 1999, 12:47 p.m.: 22 IR 2868; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-2 Standard specification for physical information to be provided for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 2. (a) That certain document being titled Standard Specification for Physical Information to be Provided for Amusement Rides and Devices, 1994 edition approved July 15, 1994, published September 1994 (ASTM F 698-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-2. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-2; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-3 Standard terminology relating to amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 3. That certain document being titled Standard Terminology Relating to Amusement Rides and Devices, 1995 edition approved April 15, 1995, published June 1995 (ASTM F 747-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-3. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-3; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-4 Standard practice for operation procedures for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7-8

Sec. 4. (a) That certain document being titled Standard Practice for Operation Procedures for Amusement Rides and Devices, 1993 edition approved December 15, 1993, published February 1994 (ASTM F 770-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-4. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-4; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-5 Standard guide for testing performance of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 5. (a) That certain document being titled Standard Guide for Testing Performance of Amusement Rides and Devices, 1992 edition approved May 15, 1992, published July 1992 (ASTM F 846-92), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-5. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-5; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-6 Standard practice for maintenance procedures for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 6. (a) That certain document being titled Standard Practice for Maintenance Procedures for Amusement Rides and Devices, 1993 edition approved January 15, 1993, published March 1993 (ASTM F 853-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-6. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-6; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-7 Standard guide for inspection of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 7. (a) That certain document being titled Standard Guide for Inspection of Amusement Rides and Devices, 1987 edition approved May 29, 1987, published July 1987 (ASTM F 893-87), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-7. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-7; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-8 Standard practice for the design and manufacture of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 8. (a) That certain document being titled Standard Practice for the Design and Manufacture of Amusement Rides and Devices, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1159-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-8. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-8; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-9 Standard practice for an amusement ride and device manufacturer quality assurance program**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 9. (a) That certain document being titled Standard Practice for an Amusement Ride and Device Manufacturer Quality Assurance Program, 1995 edition approved January 15, 1995, published March 1995 (ASTM F 1193-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-9. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-9; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-10 Standard guide for the classification of amusement ride and device related injuries and illnesses**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 10. (a) That certain document being titled Standard Guide for the Classification of Amusement Ride and Device Related Injuries and Illnesses, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1305-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-10. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-10; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-11 Standard for passenger tramways-aerial tramways and lifts, surface lifts, and tows**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2

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Sec. 11. (a) That certain document being titled the American National Standard for Passenger Tramways-Aerial Tramways and Lifts, Surface Lifts, and Tows-Safety Requirements, 1992 edition (ANSI B77.1, 1992), published by the American National Standards Institute, 1430 Broadway, New York, New York 10018, be and the same is hereby adopted by reference, as if fully set out in this article, save and except those revisions made in this section.

(b) Delete subsection 1.3 in its entirety.

(c) In subsection 1.4.5, "Authority having jurisdiction" means the state building commissioner.

(d) Delete section 8 in its entirety and substitute the following:

8. Referenced Standards. When any of the following standards are referenced within this standard (ANSI B 77.1, 1992), they shall not be considered as adopted by reference but rather shall be treated as nationally accepted practice in accordance with this section for guidance only and are not enforceable.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, NFPA 30 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted.

8.1.2 Whenever reference is made to American National Standard for Storage and Handling of Liquefied Petroleum Gases, NFPA 58 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, NFPA 70 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Electrical Code (675 IAC 17), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.2 Nationally Accepted Practice.

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1, 1992), it shall be considered only as nationally accepted practice:

American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1

American National Standard National Electric Safety Code, ANSI C2

American National Standard for Wire Rope Mines, ANSI M11.1

American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37

American National Standard Lighting Protection Code, ANSI/NFPA 78

American Gear Manufacturer's Association

AGMA-Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02

AGMA-Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02

AGMA-Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01

AGMA-Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A

AGMA-Rating the Strength of Spur Gear Teeth, AGMA 220.02

AGMA-Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02

AGMA-Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02

AGMA-Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A

AGMA-Practice of Enclosed Speed Reducers or Increases Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 420.04

AGMA-Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05

AGMA-Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06

American Petroleum Institute, API-RP9B

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-11; filed May 11, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-2-12 Training requirements**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

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Sec. 12. The training requirements for a person who inspects regulated amusement devices for compliance with this rule must include the following: at least three (3) hours of classroom instruction regarding the ASTM standards adopted in sections 2 through 10 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 23-2-12; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-2-13 Operation and maintenance**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 13. The operation and maintenance of regulated amusement devices shall be in accordance with the following:

(1) This rule.

(2) All applicable rules of the commission.

(3) 685 IAC 1, the rule of the regulated amusement device safety board.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-13; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-2-14 Inspectors**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 14. (a) Inspectors employed or contracted by the office of the state building commissioner shall be trained as required by this rule and have and maintain at least a Level 1 certification from the National Association of Amusement Ride Safety Officials.

(b) Inspectors employed or contracted by the office shall conduct or perform inspections that conform to the following:

(1) This rule.

(2) All applicable rules of the commission.

(3) 685 IAC 1, the rule of the regulated amusement device safety board.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-14; filed May 10, 1999, 12:47 p.m.: 22 IR 2872; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

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