

3. Any mechanical device which carries, conveys, or directs riders along, around, or over a fixed or restricted route or course for the purpose of giving its riders amusement, pleasure, thrills or excitement; and

4. Any rider or gravity propelled ride, including, but not limited to, any water slide or water-based recreation equipment when located in an amusement area or park in which there are other rides covered by the Act.

(e) This chapter shall not apply to:

1. A locomotive weighing more than seven tons, operating on a track the length of which is one-half mile or greater, the gage of which is three feet or greater, and the weight of which is at least 60 pounds per yard;

i. Such locomotives shall be under the jurisdiction of the New Jersey Department of Transportation for the purposes of safety inspection;

2. A manually, mechanically or electrically operated, coin-operated ride, which is customarily placed, singly or in groups, in a public location and which does not normally require the supervision or services of an operator; or

3. A rider-or gravity-propelled ride that is not a mechanical device, or is not limited to a fixed or restricted course, and is not located in an amusement area or park.

(f) Where there is a conflict between these rules and any referenced standard, these rules shall govern.

### 5:14A-1.2 Definitions

The following words and terms, when used in this chapter, shall have the following meanings, unless the context clearly indicates otherwise or the term is redefined for a specific section or purpose.

“Acceleration” means the change in velocity per unit time. It is usually expressed in units of ft/sec<sup>2</sup> or m/sec<sup>2</sup>. Acceleration is also expressed in its relation to the acceleration due to gravity at sea level. “One” g means acceleration that is the same as the acceleration due to gravity at sea level. (that is, a body subjected to one g would experience the equivalent of its own weight.)

“Accepted engineering practice” means that which conforms to accepted principles, tests, or standards of accredited authorized agencies, and to standards or generic principles and practices of safety engineering.

“ACI” means American Concrete Institute.

“Act” means the Carnival-Amusement Ride Safety Act, N.J.S.A. 5:3-31 et seq.

“Adult ride” see “major ride.”

“AISC” means American Institute of Steel Construction.

“Alteration” see “modification.”

“Amended type certification” means a certification that is granted to the manufacturer by the Department after review of an application for modification of a type certification.

“Amusement area or park” means any indoor or outdoor location where at least one amusement ride subject to the Act is available for use by the general public.

“Amusement park operator” means any person, firm or corporation that owns, leases, manages or operates an amusement park.

“Amusement ride” see “carnival-amusement ride.”

“ANSI” means American National Standards Institute.

“ASCE” means American Society of Civil Engineers.

“ASME” means American Society of Mechanical Engineers.

“ASTM” means American Society for Testing and Materials.

“AWS” means American Welding Society.

“Block system” means a system on an amusement ride with separate vehicles designed to limit the number of vehicles in a certain area of the ride.

“BOCA” means Building Officials and Code Administrators International, Inc.

“Book-on ride” means a ride that is not owned by the primary owner of rides being placed in use at the same amusement area.

“Carabiner” means a shaped metal device of spring loaded design with a gate used to connect sections of bungee cord, jump rigging, equipment, or safety gear.

“Carnival” means a mobile enterprise principally devoted to offering amusement or entertainment to the public in, upon, or by means of portable amusement rides or devices or temporary types of structures in any number or combination, whether or not associated with other structures or forms of public attraction.

“Carnival-amusement ride,” “amusement ride,” “carnival ride” or “ride” means any mechanical device or devices, including, but not limited to, a water slide exceeding 15 feet in height, which carries or conveys passengers along, around, or over a fixed or restricted route or course for the purpose of giving its passengers amusement, pleasure, thrills, or excitement; and any passenger or gravity propelled ride when located in an amusement area, amusement park or water park in which there are other rides covered by P.L. 1975, c.105 (N.J.S.A. 5:3-31 et seq.), including all water slides in amusement areas or parks; provided, however, that this shall not include locomotives weighing more than seven tons, operating on a track the length of which is one-half mile or

greater, the gauge of which is three feet or greater, and the weight of which is at least 60 pounds per yard.

“Carnival ride” see “carnival-amusement ride.”

“CFM” means cubic feet per minute.

“Child” means a person 12 years of age or younger.

“Clearance envelope” means the area in and around an amusement ride which, under normal operating and riding conditions, provides a “safe zone” for the riding public.

“Commissioner” means the Commissioner of the Department of Community Affairs.

“Critical structural or mechanical component” means a component whose failure will result in uncontrolled operation or movement of the ride or failure of the restraint system.

“Dead load” means the weight of the ride itself. Dead load does not fluctuate with respect to time.

“Department” means the Department of Community Affairs.

“DIN” means Deutsches Institut für Normung (English Language Version).

“Discontinuities” means any and all indications found during the course of non-destructive testing. These indications include, but are not limited to, cracking, loss of thickness, undercutting of welds and lack of penetration.

“Dynamic load” means load that fluctuates with time because of the action of the ride during the ride cycle.

“EN” means Europäische Norm. These standards may be obtained through the European Committee for Standardization, Central Secretariat, rue de Stassart 36, B-150 Brussels, Belgium.

“First aid” means the one-time treatment or subsequent observation of scratches, cuts not requiring stitches, burns, splinters, contusions and minor complaints. For purposes of these rules, “first aid” shall not include first response to a serious injury.

“Fixed amusement ride” or “fixed ride” means an amusement ride that is erected to remain a part of the premises and not intended to be relocated. This definition also means and includes all amusement rides that are not mobile rides.

“Fixed location” or “fixed site” means an amusement area sited for more than 60 days during a 90-day period.

“GFCI” means ground fault circuit interrupter, a device capable of de-energizing a circuit or portion thereof within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the over-current protective device of the supply circuit.

“Go-kart” or “go-cart” means a one or two rider self-propelled motor vehicle designed to convey riders along a restricted roadway while being operated and controlled by one rider who will be called the driver.

“Height restriction” means a stature requirement for riders to be permitted on a specific ride which is contained on the list of height restrictions maintained by the Department in accordance with N.J.A.C. 5:14A-2.2.

“High speed” means greater than 37.5 mph, 55 ft/sec or 16.8 m/sec.

“IBC” means International Building Code.

“Imminent danger” means a condition that presents an excessive risk of serious injury to riders.

“Impact” means a force or acceleration that occurs over a time span of less than 0.2 seconds.

“Individual approval” means an approval that is granted to an owner of an individual ride that is not type certified, which is granted by the Department after review of a ride application and is applicable only to that individual ride.

“Inflatable” means an amusement device that incorporates a structural and mechanical system and employs a high strength fabric or film that achieves its strength, shape, and stability by tensioning from internal air pressure.

“Inspection” means the physical examination of an amusement ride and relevant documentation by an inspector.

“Key component” means a component or system that has been designated by the manufacturer as requiring special fabrication, maintenance, inspection or operation due to its importance to the continued proper and safe operation of the carnival-amusement ride device.

“Kiddie ride” means a ride designed primarily for riders weighing 90 pounds or less.

“Live loads” mean those loads produced by the use and occupancy of the ride, not including dead load or environmental loads. Live loads fluctuate with time, but not necessarily during one ride cycle.

“Maintenance” means the act of keeping an amusement ride in its existing state; preserving from failure or decline. This may include, but is not limited to, cleaning, painting, adjusting, lubricating, inspecting, and testing.

“Maintenance technician (MT)” means a person who has the degree of competence necessary, via documented training and/or experience, to perform assigned maintenance, set-up, or repair of amusement rides.

“Major modification” means any material change to a load-bearing structural member, a mechanical, electrical, hydraulic