



Province of Alberta

SAFETY CODES ACT

AMUSEMENT RIDES STANDARDS REGULATION

Alberta Regulation 223/2001

With amendments up to and including Alberta Regulation 206/2016

Office Consolidation

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(Consolidated up to 206/2016)

ALBERTA REGULATION 223/2001

Safety Codes Act

AMUSEMENT RIDES STANDARDS REGULATION

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Interpretation

1(1) In this regulation,

- (a) “critical component” means a component or system of components the failure of which would pose a threat to the safe operation or condition of an amusement ride or device;
- (b) “metal defect” means a worn, damaged or defective metal object or component the failure of which may result in the unsafe operation or condition of an amusement ride or device, and includes an object or component that is bent, corroded, dented or cracked.

(2) Words and phrases in this regulation have the meaning given to them by the Code declared in force by this regulation.

AR 223/2001 s1;180/2012

Codes and standards

2(1) The following standards published by the American Society for Testing and Materials International are declared in force as amended or replaced from time to time:

- (a) ASTM F2783-14, Standard Practice for Design, Manufacture, Maintenance and Inspection of Amusement Rides and Devices, in Canada, except the following referenced standards:

- (i) ASTM F2007, Standard Practice for Design, Manufacture and Operation of Concession Go-Karts and Facilities;
 - (ii) ASTM F2376, Standard Practice for Classification, Design, Manufacture, Construction and Operation of Waterslide Systems;
 - (b) ASTM F2959-14, Standard Practice for Special Requirements for Aerial Adventure Courses, for zip lines only.
- (2) Repealed AR 180/2012 s3.

AR 223/2001 s2;32/2005;180/2012;206/2016

- 3 Repealed AR 206/2016 s3.

Metal defects

3.1(1) Despite section 2, this section applies following the observation of a metal defect, whether through the maintenance, inspection, testing, operation and emergency procedures referred to in F1193 Standard Practice for Quality, Manufacture and Construction of Amusement Rides and Devices, or otherwise.

(2) If a metal defect is observed in a critical component of an amusement ride or device, the ride or device shall be removed from service.

(3) The ride or device may be returned to service only if the following are completed and documented, indicating that the metal defect is not critical to the safe operation of an amusement ride or device:

- (a) an assessment by the original manufacturer or a professional engineer to determine whether the metal defect is critical to the safe operation of the ride or device;
- (b) Non-destructive testing in accordance with F1193 Standard Practice for Quality, Manufacture and Construction of Amusement Rides and Devices.

(4) Repealed AR 206/2016 s4.

(5) If the assessment or non-destructive testing referred to in subsection (3) indicate that the metal defect is critical to the safe operation of an amusement ride or device,

- (a) the ride or device shall remain out of service,

- (b) all similar objects or components of the ride or device shall be subject to the assessment and non-destructive testing required by subsection (3),
 - (c) all connected objects or components of the ride or device shall be subject to the assessment and non-destructive testing required by subsection (3), and
 - (d) the original manufacturer or a professional engineer must directly supervise the repair or replacement of all defects critical to the safe operation of the ride or device and document the following on completion:
 - (i) that the former metal defect no longer poses a risk to the safe operation of an amusement ride or device;
 - (ii) that a non-destructive testing protocol to ensure the structural integrity of the critical object or component on an ongoing basis has been provided to the owner, in writing.
- (6)** After the requirements set out in subsection (5) have been satisfied,
- (a) the amusement ride or device may be returned to service, and
 - (b) the owner must supervise and document the actions taken in implementing the non-destructive testing protocol established in accordance with subsection (5)(d)(ii).
- (7)** All documents verifying that the actions referred to in this section have been properly implemented, consistent with the safe operation of an amusement ride or device, must
- (a) be complete and current,
 - (b) be maintained on site with the ride or device, and
 - (c) include,
 - (i) the legibly printed name of each individual involved, with an identification of the company, if any, that individual works for or represents,
 - (ii) the actions taken, tasks completed or outcomes verified by the individual,
 - (iii) the individual's credentials or other proof of competency, and

(iv) the individual's signature and the date.

AR 180/2012 s4;206/2016

Disclaimer

4 The Code declared in force in this Regulation, and any standards referenced in the Code, do not make or imply any assurance or guarantee by the Crown with respect to the durability, operating performance or life expectancy of equipment and materials referenced in the Code or Standard.

Repeal

5 The *Amusement Ride Standards Regulation* (AR 214/97) is repealed.

6 Repealed AR 180/2012 s5.

Coming into force

7 This Regulation comes into force on January 1, 2002.



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