



Alberta Elevating Devices  
& Amusement Rides  
Safety Association

## ADVISOR

Amusement Rides  
May 2018

### Notice:

To assist the Amusement Ride Industry to meet their safety goals, AEDARSA is providing the following information;

### ITEM # 1

#### NEW Standard and Regulation

Alberta *Amusement Rides Standards Regulation 223/2001* was amended in 2016 by *Alberta Regulation 206/2016* adopting the **ASTM F2783 – 14** Standard Practice for Design, Manufacture, Operation, Maintenance, and Inspection of Amusement Rides and Devices, in Canada.

#### A. Standards

The ASTM F2783-14 is unique Canadian document that address the Canadian needs and it is supported by additional ASTM F24 series of Standards as follows;

- F747 Standard Terminology
- F770 Standard Practice for Ownership, Operation, Maintenance,
- F1193 Standard Practice for Quality, Manufacture, and Construction
- F2291 Standard Practice for Design of Amusement Rides and Devices
- F2974 Standard Guide for Auditing Amusement Rides and Devices
- F2375 Standard Practice for Design Climbing Nets
- F2374 Standard Practice Inflatable Amusement Devices

#### Additional Highlights within the ASTM F2783-14

- Evacuation Plan As per ASTM F2783-14 Clause 7.4.4
- Record Keeping As per ASTM F2783-14 Clause 7.4.5.
- Wire Rope inspection, rejection, and maintenance criteria 7.4.6 Use of CSA Z98 Passenger Ropeways and Passenger Conveyors for inspection, rejection, and maintenance criteria for wire ropes is acceptable in addition to ANSI B77.1.

#### B. Zip Lines

- ASTM F2959-14, Standard Practice for Special Requirements for Aerial Adventure Courses, for **zip lines** only.

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### C. Metal Defects

The following is an excerpt from *Amusement Rides Standards Regulation 223/2001* concerning metal defects regarding amusement rides:

- If a metal defect is observed in a critical component of an amusement ride, the ride shall be removed from service.
- 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 the ride/or device:
  - a) An assessment by the OEM or a professional engineer to determine whether the metal defect is critical to the safe operation of the ride/or device
  - b) NDT in accordance with F1193
- If the assessment or NDT indicates that the metal defect is critical to the safe operation of an amusement ride/or device, the ride/or device will remain out of service for repairs or replacement.
- The OEM or a professional engineer must directly supervise the repair or replacement of all defects critical to the safe operation of the ride/or device.

For additional information regarding metal defects follow the hyperlink:

[http://www.qp.alberta.ca/1266.cfm?page=2001\\_223.cfm&leg\\_type=Regs&isbncln=9780779794393&display=html](http://www.qp.alberta.ca/1266.cfm?page=2001_223.cfm&leg_type=Regs&isbncln=9780779794393&display=html)

### ITEM # 2

#### Accident/Incident Notification

When an accident/incident involving an elevating device occurs, the owner or person in charge must report the accident/incident to AEDARSA. For accidents/incidents resulting in fatalities, injuries that require medical treatment or serious damage to equipment, the first step is to contact AEDARSA by telephone. To assist in reporting the following information should be considered:

- Pictures or drawings of incident scene
- Witness statements from staff or guests
- First responders injury report(s)
- Ride operator's description(s) of the incident
- Daily inspection checklist(s) for day incident occurred
- Daily log excerpt(s)

For Additional information and Accident/Incident forms follow the hyperlink:

<http://aedarsa.com/wp-content/uploads/2014/01/IncidentReport.pdf>

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