



Elevating and Amusement Devices Safety Program	Ref. No.: 539 / 19
ADVISORY	Date: January 24, 2019

Subject: Retroactive AD CAD Amendment 535-18 Requirements
Distribution: TSSA website - Amusement Devices Advisory Council – 2019 Amusement Devices
Renewal Package

The latest **Amusement Devices Code Adoption Document (CAD) Amendment 535-18** was published September 21, 2018 and is effective January 15, 2019. Any amusement devices submission for new installations, major alterations, minor alterations and revisions (to submissions filed after January 15, 2019) received from January 15, 2019 onwards shall comply to the **Amusement Devices CAD Amendment 535-18** requirements.

In addition to the above, the Amusement Devices CAD 535-18 outlines retroactive requirements for existing amusement devices permitted prior to January 15, 2019. This advisory serves as a summary for those retroactive requirements.

1. All Amusement Devices:

1.1. Operations Manual:

AD CAD 535-18 3.2.1

Every operator of an existing amusement device shall comply with the requirements of

- (a) ASTM [F770 Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices](#), except section 9 and 10, and
- (b) the applicable requirements of Part 2.

1.2. Fencing

AD CAD 535-18 2.11.5

Not later than June 1, 2019, fencing for existing amusement devices, in areas restricted to children only where the fencing was once permitted to be only 600 millimetres in height, shall have this fencing upgraded to comply with the fencing requirements of ASTM [F2291 Practice for Design of Amusement Rides and Devices](#) (see [F2291-17](#) section 14).

2. Inflatable Devices

2.1. Staking

AD CAD 535-18 2.13.1

Not later than June 1, 2019, all existing inflatable devices shall meet the criteria for staking or anchoring systems referenced in ASTM [F2374 Inflatable Amusement Devices](#) (see [F2374-17](#) section 5.6.8).

AD CAD 535-18 2.13.2

The dossiers for the affected devices shall be amended with documentation to support the revised staking and anchoring requirements.

Note: If the licensee changes an inflatable device's set of stakes to 1" diameter stakes to meet the requirements above and retains the number of anchor points, no revision to a technical dossier is required. Change in stake shall be recorded in the logbook and the inspector may verify this at any time. Any other change to the anchoring requirements of an inflatable device other than described shall be submitted as a Revision or a Significant Alteration as applicable.

3. Waterslides

3.1. Flow meters

AD CAD 535-18 5.1.1

Not later than June 1, 2019, all water slides shall be provided with either flow metered calibrated means of flow measurement or marker(s), to indicate proper operational water flow/levels for each flume as referenced in ASTM F2376 [Water Slide Systems](#) (see F2376-17a section 8.5.3).

3.2. Identification

AD CAD 535-18 5.3.3

All multi-person water slide vehicles (rafts / tubes / boats) shall bear a serial number or a unique numbering system to label each unit for inspection and maintenance purposes.

AD CAD 535-18 5.3.4

Not later than, June 1, 2019 all existing multi-person water slide vehicles shall conform to 5.3.3.

Note: Disposable type water slide vehicles (i.e. non-repairable type single and double tubes) are not required to meet CAD 5.3.3 and 5.3.4

4. Ziplines

4.1. Continuous Belay or Interlocked Belay

AD 535-18 7.10.8

For new installations where repeated change over by the rider is required, connect/disconnect components shall be:

- (a) a continuous belay design or an interlocked belay design; and
- (b) include a secondary attachment not less than required in 7.10.4.

AD 535-18 7.10.9

Not later than June 1, 2019, all existing installations shall conform to 7.10.8.

Note: These changes are considered as a significant alteration and shall be submitted to TSSA as such. Changes to the belay system shall not be permitted to operate until the change is filed and inspected.