



## Amendments to the Amusement Devices Code Adoption Document (CAD) 2021

TSSA has completed an online consultation on the Code Adoption Document (CAD) amendments for the Amusement Devices Safety Program. The CAD will be published on April 15<sup>th</sup>, 2021 and effective June 15<sup>th</sup>, 2021.

The Amusement Devices CAD is adopted by reference in Ontario Regulation 221/01 (Amusement Devices). TSSA will adopt the latest edition of the ASTM International F2783-20 *Standard Practice for Design, Manufacture, Operations, Maintenance, and Inspection of Amusement Rides and Devices, in Canada*.

### **Summary of Consultation**

TSSA would like to thank all individuals who participated in the consultation. There were 102 visitors to the consultation web page, 31 visitors reviewed or downloaded the attached documents and 7 individuals submitted text responses (via the web page and email).

TSSA is publishing the Amusement Devices CAD with two minor changes based on the feedback from the consultation. The first change is to remove a section of clause 2.1.3 which is intended to improve clarity. The second change is updating the reference in clause 3.2.1 (a) to reference the Canadian standard in lieu of the American standard.

TSSA originally proposed to delete clause 2.5.2 (Pinned Connections), however after concluding the consultation TSSA will retain this clause. TSSA is concerned about the risk of single point failures – a failure in which one part of a system fails and affects the system in its entirety.

TSSA is committed to gradually reducing Ontario specific amendments through future code adoption cycles.

This consultation summary will remain on the website until December 15<sup>th</sup>, 2021.

Please see the published Amusement Devices CAD [here](#).

### **Code Adoption Summary (included in the consultation)**

Codes adopted	Publication date	Overview of changes
ASTM F2783	2020	Minor changes including editorial and formatting

### **Ontario Specific Amendments\* Summary**

In this version of the CAD TSSA has removed six of the 48 existing Ontario specific amendments in the Amusement Devices CAD and included three requirements from a previous advisory (533/12). In total 45 Ontario specific changes will continue to be enforced. Below is the change log.

CAD	Existing Ontario Specific amendments	New Ontario specific amendments?*
2018 Version	48	N/A
2021 Version	45**	
Net change	-3	



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\*Ontario specific amendment is defined as any addition or deletion of rules and/or requirements from the national codes that are unique to Ontario.

\*\*In this version of the CAD TSSA has included requirements from Advisory 533/12 *Welding and NDT of Structural Steel Repairs of Cracks*. These are new requirements in the CAD however they are not new Ontario specific requirements. Advisory 533/12 has been in effect since 2012. The 2021 CAD revokes the previous advisory. See sections 2.1.2, 2.1.3, and 2.1.4 of the 2021 CAD.

Added (\*Sections here refer to sections of the 2021 version of the Amusement Devices CAD)

- Clause 2.1.2, 2.1.3, and 2.1.4 – these are generally accepted welding practices originally stated in Advisory 533/12 and are now captured by this CAD. These are not new Ontario specific amendments, but they are newly captured in this CAD.

Removed (\*Sections here refer to sections of the 2018 version of the Amusement Devices CAD)

- Section 2.1.2: this requirement was meant to outline alternate acceptable welding standards and is now capture in the cross reference table in ASTM F2783.
- Section 2.4.1: this requirement outlined the design submission requirements only for those in paper format.
- Section 2.5.1: this requirement state the safety factor and safety requirements for pinned connections. These are now addressed in F2291 or the ride specific standard.
- Section 2.11.4: this requirement stipulated the height of fencing for amusement devices and is now covered by F2291
- Section 2.13.2: this requirement stated that certain devices are required to have documentation to support the revised staking and anchoring requirements. This is covered in the latest edition of F2374
- Section 2.14: this requirement stated the requirements for rules written on signs to convey safety and operating policies to the public. This is covered in F770 for existing devices and in F2291 for new devices.