



## Amendments to the Propane Code Adoption Document (CAD) 2020

TSSA has completed an online consultation on the Code Adoption Document (CAD) amendments for the Propane Storage and Handling CAD. The CAD amendments will be published on December 8<sup>th</sup>, 2020 and effective February 8<sup>th</sup>, 2021.

### **Summary of Consultation**

TSSA would like to thank all individuals who participated in the consultation. There were 360 visitors to the consultation web page, 101 visitors reviewed or downloaded the attached documents, and 6 individuals submitted text responses (via the website and email).

TSSA is publishing the Propane CAD with no changes based on the feedback from the consultation. TSSA received one comment to keep an Ontario specific amendment that was removed in this CAD. It was requested that TSSA keep section 1.16 – clause 7.8.1 of the previous CAD. This specific amendment allowed underground tanks to be installed in accordance with the manufacturer's instruction instead of seeking approval from TSSA. However, in keeping with our approach to reduce Ontario specific amendments it will not be included in this CAD. Instead, TSSA encourages all individuals who proposed Ontario specific amendments in this consultation to pursue their proposed changes at the national committee level.

The consultation summary will remain on the website until August 8<sup>th</sup>, 2021.

Please see the published Propane Storage and Handling CAD [here](#). The Propane CAD will come into effect February 8<sup>th</sup>, 2021.

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

The Propane CAD is adopted by reference in O. Reg 211/01. The CAD adopts a series of national safety codes and TSSA codes into regulation.

#### **National codes**

TSSA will adopt the latest edition (2020 editions) of CSA B149 series codes (B149.1, B149.2, B149.3 & B149.5) published by the Canadian Standards Association.

#### **TSSA's codes**

TSSA has updated its safety codes adopted by reference in the CAD. The two TSSA codes are the Field Approval Code (FAC) and the Mobile Food Service Equipment Code (MFSEC). These two codes make references to the 2020 edition of B149 series of codes.

The summary below highlights the notable changes from the latest editions of the codes that affect the safe operation of propane equipment.

<b>Codes adopted</b>	<b>Publication date</b>	<b>Overview of changes</b>
B149.2	2020	Exclusion of propane used as a refrigerant



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		<ul style="list-style-type: none"> <li>· Updated requirements for cylinder exchange</li> <li>· Updated requirements for tank location and support</li> <li>· Added requirements for handling of cylinders at shows, exhibitions, or other similar events</li> <li>· Added requirements for handling of cylinders in classrooms</li> </ul>
B149.5	2020	<ul style="list-style-type: none"> <li>· Revisions to Original Equipment Manufacturer (OEM) window label requirements</li> <li>· Changes to the requirements for filling of multiple tanks on a vehicle</li> <li>· Prohibition of the use of gear clamps on propane hoses</li> </ul>
B149.1	2020	<ul style="list-style-type: none"> <li>· Added requirements for cylinder storage</li> <li>· Added requirements for pressure regulators</li> <li>· Updated requirements for purging of gas piping systems after leak testing</li> </ul>
TSSA-Field Approval Code	2020	<ul style="list-style-type: none"> <li>· Adopts the 2020 edition of CSA B149.3 code</li> <li>· Adopts the 2019 edition of NFPA 85 &amp; NFPA 86 standards</li> </ul>
TSSA-Mobile Food Service Equipment	2020	<ul style="list-style-type: none"> <li>· Adopts the 2020 edition of CSA B149.3 code</li> <li>· Additional details, guidance and specific technical specifications on requirements</li> <li>· Additional requirements for “portable carts”</li> <li>· Additional requirements regarding MFSE operations near generators</li> </ul>

Full list of changes from the 2015 edition of B149 series code to the 2020 edition can be found on CSA Group’s website: [B149.1](#), [B149.2](#), [B149.3](#), [B149.5](#) (please click “Preface/Scope” tab in the menu).

### **Ontario Specific Amendments Summary**

The chart below highlights that there are no new Ontario specific amendments to the national codes being proposed in the Propane CAD.

CAD	Existing Ontario-specific amendments	New Ontario-specific amendments
<b>2017 Version</b>	33	None
<b>2020 Version</b>	11	
<b>Net change</b>	-22	



TSSA has removed 22 out of 33 Ontario-specific amendments in the Propane CAD. Eleven Ontario-specific amendments will continue to be enforced in this edition of the Propane CAD.

**Appendix A: Ontario-specific amendments removed**

Specifically, TSSA has removed the following Ontario-specific amendments (\*Sections here refer to sections of the 2017 version of Propane CAD).

- **Section 1.1** – Addition of Clause 1.2(f) to CSA B149.2
- **Section 1.6** – Amendment to Clauses 5.11.3, 5.11.4 and 5.11.5 of CSA B149.2
- **Section 1.7** – Amendments to Clause 6.1.14 of CSA B149.2
- **Section 1.8** – Amendments to Clause 6.4.4 of CSA B149.2
- **Section 1.9** – Amendments to Clause 6.5.2.6.1 (e) of CSA B149.2
- **Section 1.11** – Amendments to Clause 6.5.3.8 of CSA B149.2
- **Section 1.12** – Addition of exceptions to Clause 6.5.4.2 of CSA B149.2
- **Section 1.13** – Addition of Clauses 6.10, 6.11 & 6.12 to CSA B149.2
- **Section 1.16** – Amendments to Clause 7.8.1 of CSA B149.2
- **Section 1.17** – Amendments to Clause 7.12.6 of CSA B149.2
- **Section 1.18** – Amendments to Clause 7.19.4.2(b) of CSA B149.2
- **Section 1.19** – Amendments to Clauses 7.19.4.5 & 7.19.4.6 of CSA B149.2
- **Section 1.20** - Amendments to Clause 8.6.3 of CSA B149.2
- **Section 1.21** – Addition of Annex P (Conditions for Filling Cylinders under 100 lbs from Bulk Trucks) to CSA B149.2
- **Section 1.22** – Addition of Annex Q (Use of Non-Refillable Propane Cylinders in Laboratories/Classrooms in Schools, Colleges and Universities) to CSA B149.2
- **Section 2.4** – Amendments to Clause 5.3.4.3 of CSA B149.5
- **Section 2.5** – Amendments to Clause 5.3.5.6 of CSA B149.5
- **Section 2.6** – Amendments to Clause 5.4.7 of CSA B149.5
- **Section 2.7** – Amendments to Clause 5.5.3 of CSA B149.5
- **Section 2.8** – Amendments to Clause 5.7.6 of CSA B149.5
- **Section 2.9** – Addition of Clause 5.7.7.8 into CSA B149.5



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- **Section 2.10** – Addition of Clause 5.7.8.8 of CSA B149.5