



Introduction

TSSA's Fuels Safety Program has adopted a series of national safety codes into regulation into regulation as FS-281-26. The Propane Code Adoption Document (CAD) is adopted by reference in O. Reg 211/01. This CAD was last updated and published on December 10, 2021 (Ref No. FS-259-21).

TSSA is moving in a direction to harmonize its code requirements with other jurisdictions. This means fewer Ontario specific requirements. The CAD will adopt the latest version of the following codes:

- CSA B149.1:25 - Natural Gas and Propane installation Code;
- CSA B149.2:25 – Propane storage and handling Code;
- CSA B149.5:25 - Installation code for propane fuel systems and containers on motor vehicles;
- NFPA 86-2023 – Standard for Ovens and Furnaces;
- NFPA 160-2021 – Standard for the use of Flame Effects Before an Audience;

A full list of changes from previous editions for CSA B149 series codes can be found on CSA Group's website Under the "Preface/Scope" section.

TSSA has completed an internal review of the codes relevant to Propane Storage and Handling, and it has been decided to incorporate the former Field Approval Code, and NFPA Flame Effects Code into the text of the Propane CAD. The former TSSA Mobile Food Service Equipment Code is proposed to be replaced by adoption of Annex J of CSA B149:5:25.

Summary of Changes

Propane Code Adoption Document			
OSAs in 2021 CAD	OSAs in 2024 CAD	Net Change	New OSAs
12	9	-3	0

3 out of 12 Ontario-specific amendments from the 2021 version of the Propane CAD have been deleted.

- No new Ontario-specific amendments have been added
- In total, 9 Ontario-specific amendments will continue to be enforced.
- In addition to the OSAs listed above, 4 Administrative changes have been made, mainly in relation to changes in adopted Code dates

Appendix A of this document includes a summary outlining the key changes between the 2021 CAD and the 2025 revision proposed for the secondary consultation.



Propane Code Adoption Document (2026) Consultation Summary

To increase TSSA harmonization with national codes, the Propane CAD has been amended by adopting the following documents:

- Components of the former TSSA Field Approval Code
- CSA B149.3:25 Code for the Field Approval of Fuel Related Components on Appliances and Equipment
- Annex J (Mobile Outdoor Food Service Unit) of CSA B149.3:25 Code for the Field Approval of Fuel Related Components on Appliances and Equipment
- NFPA 160 Standard for the use of Flame Effects Before an Audience, 2021 Edition

Simultaneously, TSSA is proposing to delete the 2020 TSSA Field Approval Code and the 2020 Mobile Food Service Equipment Code.

Propane Code Adoption Document – former Field Approval Code, Mobile Food Services Equipment Code, Flame Effects			
OSAs in TSSA Codes	OSAs in 2025 CAD	Net Change	New OSAs
139	96	-43	8

Appendix B of this document includes a summary outlining the key proposed changes related to:

- Components of the former TSSA Field Approval Code
- CSA B149.3:25 Code for the Field Approval of Fuel Related Components on Appliances and Equipment

Appendix C of this document includes a summary outlining the key proposed changes related to:

- Annex J (Mobile Outdoor Food Service Unit) of CSA B149.3:25 Code for the Field Approval of Fuel Related Components on Appliances and Equipment

Appendix D of this document includes a summary outlining the key proposed changes related to:

- NFPA 160 Standard for the use of Flame Effects Before an Audience, 2021 Edition

Effective Date

The effective date of the new Propane CAD will be **June 8, 2026**



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Consultation Summary

Appendix A

Summary of Differences Between 2021 and 2026 Propane Code Adoption Documents

Note – Compares the two published CAD versions.

2021 CAD Clause	2026 CAD Clause	B149.2-25 Clause	Action	Brief Description
1.0	1.0	N/A	Administrative	Changes to dates of adopted 149.2 Code
1.1	1.1	3.0	Retain with Modifications	Remove reference to AHJ definition
1.2	1.2	3.0	Retain with Modifications	Remove AHJ definition from CAD clause
1.3	1.3	4.1.4	Retain	No change
1.4	1.4	4.2.3	Retain with Modifications	Remove reference to date of Field Approval Code
1.5	N/A	6.5.2.6	Delete	Delete entire clause
1.6	1.5	7.1	Retain with Modifications	Add new clause 7.1.17. New CAD adjusts to refer to AHJ criteria
1.7	1.6	7.2	Retain	No change
2.0	2.0	N/A	Administrative	Changes to dates of adopted 149.5 Code
2.1	2.1	3.0	Retain with Modifications	Remove reference to AHJ definition
2.2	N/A	3.0	Delete	Delete entire clause
2.3	2.2	4.1.5	Retain	No change
2.4	2.3	5.1.2	Retain	No change
3.0	3.0	N/A	Administrative	Changes to dates of adopted 149.1 Code
4.0	4.0	N/A	Administrative	Removal of date of adopted Field Approval Code
5.0	N/A	N/A	Delete	Delete adoption of TSSA Mobile Food Service Equipment Code



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Appendix B

Summary of Differences Between 2021 and 2026 Propane Code Adoption Documents:

Amendments to the TSSA Field Approval Code (FAC) and CSA B 149.3:25

2020 FAC Clause	2026 CAD Clause	B149.3:25 Clause	Action	Brief Description
1.1.1	4.1.1	N/A	Retained with Modifications	Introduction
1.1.2	4.1.2	N/A	Retained with Modifications	Approvals
1.1.3	4.1.3	N/A	Retained with Modifications	Approvals
1.1.4	4.1.4	N/A	Retained with Modifications	Application
1.1.5	4.1.5	N/A	Retained with Modifications	Re-approval
1.1.6	4.1.6	N/A	Retained with Modifications	Prevalence
1.1.7	4.1.7	N/A	Retained with Modifications	Regulatory precedence
1.1.8	4.1.8	N/A	Retained with Modifications	Variance
1.2.1	4.2.1	N/A	Retained with Modifications	Application contents
1.2.2	4.2.2	N/A	Retained	Class A appliance application content
1.2.3	4.2.3	N/A	Retained with Modifications	Programmable controllers
1.2.4	4.2.4	N/A	Retained	Exceptions
1.3	N/A	N/A	Deleted	Entire clause deleted
1.4	N/A	N/A	Deleted	Entire clause deleted
1.5	N/A	N/A	Deleted	Entire clause deleted
1.6	N/A	N/A	Deleted	Entire clause deleted
2.1	4.3	N/A	Administrative	Adoption of B149.3:25 with amendments
2.1.1	4.3.1	1.2 (g)	Retained	Fuel types
2.1.2	4.3.2	1.2 (i)	Retained with Modifications	Propane as refrigerant
2.1.3	4.3.3	3.0	Retained with Modifications	Definitions, including new definitions of gases, one deletion
2.1.4	N/A	N/A	Deleted	Entire clause deleted
2.1.5	N/A	N/A	Deleted	Entire clause deleted
2.1.6	N/A	N/A	Deleted	Entire clause deleted
2.17	4.3.4	4.3	Retained with Modifications	Introduction added



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2.17	4.3.5	4.10 to 4.14	Retained with Modifications	Pressure regulators
2.1.8	4.3.6	8.2.3	Retained with Modifications	FARC compliance
2.1.9	4.3.7	8.3.7	Retained with Modifications	Air flow
2.1.10	N/A	N/A	Deleted	Entire clause deleted
2.1.11	4.3.8	10.6.2	Retained	Appliance pressure regulator
2.1.12	4.3.9	10.6.10	Retained with Modifications	Safety limit rules
2.1.13	N/A	12.1.1.(d)	Deleted	Entire clause deleted
2.1.14	4.3.10	12.1.3	Retained	Intermediate relays
2.1.15	4.3.11	12.2.4	Retained	Single boiler venting
2.1.16	4.3.12	12.4.1	Retained	High water
2.1.17	4.3.13	12.4.5	Retained	Low water sensing element
2.1.18	4.3.14	12.5.2 (b)	Retained	Multifunctional control
2.1.19	N/A	12.6.1	Deleted	Entire clause deleted
2.1.20	4.3.15	12.7.1	Retained	Microprocessor certification
2.1.21	4.3.16	12.7.22	Retained	Programmable Logic Controller
2.1.22	4.3.17	12.7.2.3.1	Retained	Critical Input signals
2.1.23	4.3.18	12.7.2.3.2	Retained	Safety Critical Inputs
2.1.24	4.3.19	12.7.2.3.3	Retained	BMS Communications
2.1.25	4.3.20	12.7.2.4	Retained with Modifications	Safety critical output monitoring
2.1.26	4.3.21	12.7.2.6	Retained	Functional Testing
2.1.27	4.3.22	14	Retained with Modifications	Rating plate
2.1.28	N/A	16.2.5.1	Deleted	Entire clause deleted
2.1.29	N/A	16.5.1	Deleted	Entire clause deleted
2.1.30	N/A	16.10	Deleted	Entire clause deleted
N/A	4.3.23	16.10.12	Added	Explosion Relief
2.1.31	4.3.24	16.11	Retained with Modifications	Fume Incinerators and Oxidizers
2.1.32	4.3.25	21	Retained	Boilers for Biogas
2.1.33	4.3.26	Annex D & E	Retained	Mandatory
2.1.34	4.3.27	Annex F	Retained	Mandatory
2.1.34.1	4.3.28	F.1 s.1 (a)	Retained	Safety Shut Off Valves
2.1.34.2	4.3.29	F.1 (f)	Retained	Revocation
2.1.34.3	4.3.30	F.1 (g)	Retained	Modulatory Control Valves



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Appendix C

Summary of Differences Between 2021 and 2026 Propane Code Adoption Documents:

Amendments to the CSA B149.3 Annex J (Mobile outdoor food service unit)

2026 CAD Clause	B149.3 Clause	Action	Brief Description
5.0	N/A	Retain	Adoption
5.1	J.1	Retain	General
5.2	J.1.1 & J.1.2	Retained with Modifications	Approval & Inspections
5.3	J.2	Retained with Modifications	Definitions
N/A	J.3.2	Deleted	
5.4	J.3.6	Retained with Modifications	Cylinder Valve Protection
5.5	J.3.8	Retained with Modifications	Cylinder on Vehicle Exterior
5.6	J.3.9	Retain	Delete J.3.9
5.7	J.3.11	Retained with Modifications	Cylinder Relief Valve Discharge
5.8	J.3.13	Retained with Modifications	Relief Valve location
5.9	J.3.25	Retained with Modifications	Labels
5.10	J.3.32	Retained with Modifications	Tank Mounting brackets
5.11	J.3.50	Retained with Modifications	Bracket Loading
5.12	J.4.1.2	Retained with Modifications	Piping
5.13	J.4.1.3	Retained with Modifications	Fitting materials
N/A	J.4.1.5	Deleted	
5.14	J.4.1.7	Retain	Revocation
5.15	J.4.1.8	Retain	Revocation
5.16	J.4.1.9	Retained with Modifications	Hose use
5.17	J.4.1.10	Retained with Modifications	Piping and/or hose requirements
5.18	J.4.1.14	Retained with Modifications	Tubing supports



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5.19	J.4.1.21	Retained with Modifications	Permitted connections
5.20	J.4.1.24	Retained with Modifications	Tubing grommets
5.21	J.1.40	Retain	Revocation
5.22	J.1.42	Retain	Revocation
5.23	J.4.1.44	Retained with Modifications	Discharge requirements
5.24	J.4.2.4	Retain	Appliance connection types
5.25	J.4.2.5	Retain	Bleed vents
5.26	J.4.2.7	Retain	Tubing
5.27	J.4.2.9 & 10	Retain	Regulators
5.28	J.5.1	Retained with Modifications	Appliance certification
5.29	J.5.3	Retain	Fastening and Venting
5.30	J.7.1	Retain	Fire Extinguishing
5.31	J.7.2.1 & 2	Retain	Shut off valves & labels
5.32	J.9	Retain	Installation Manual
5.33	J.10.1	Retained with Modifications	General Rating plate
5.34	J.10.2	Retained with Modifications	Danger Labels
5.35	J.10.3	Retain	Revocation
5.36	J.12	Retained with Modifications	Special Provisions for Generators
5.37	J.13	Retained with Modifications	Provisions for carts



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Appendix D

Summary of Differences Between 2021 and 2026 Propane Code Adoption Documents:

Amendments to NFPA 160, “Standard for the use of Flame Effects Before an Audience, 2021 Edition”

2026 CAD Clause	NFPA 160 Clause	Action	Brief Description
7.1	1.1	Retain	Purpose of code
7.2	1.3.2	Retain	Application
7.3	3.3	Retain	Definition – deadperson switch
7.4	5.1.2	Retain	Revokes 5.1.2
7.5	7.10.1	Retain	Protective clothing
7.6	7.10.2	Retain	Revokes 7.10.2
7.7	7.12	Retain with Modifications	Propane Cylinders
7.8	8.4	Retain	Record of Training
7.9	9.1.3.2	Retain	Control system attendance
7.10	9.3.2.5	Retain	Fuel Accumulators
7.11	9.3	Retain	Fireplace Kits
7.12	10.1.2	Retain	Revokes 10.1.2
7.13	12	Retain with Modifications	Approvals
7.14	13	Retain	Revokes 13
7.15	14	Retain	Revokes 14
7.16	15.2	Retain with Modifications	Flame effect piping
7.17	16.1	Retain	Local conditions