

## Inspection and Technical Services

### **BOILER AND PRESSURE VESSELS BULLETIN: ADOPTION DIRECTIVE OF CSA B51:24 Boiler, pressure vessel, and pressure piping code**

ITS 25-002  
February 13, 2025

This bulletin provides information and direction regarding the adoption and enforcement of the CSA B51:24 Boiler, pressure vessel, and pressure piping code.

CSA B51 contains the requirements for boilers, pressure vessels, pressure piping, and fittings. Its intended to fulfill two primary objectives: first, to promote safe practices in design, construction, installation, operation, inspection, testing, and repair practices; and second, to support the adoption of uniform requirements across all Canadian jurisdictions.

Effective January 1, 2025, Inspection and Technical service has adopted the 2024 edition in its entirety with the exception of the following clauses:

- A. Clause 5.2.7.3.c) "Additional design requirements".
- B. Clause 6.2.6 "Impact testing requirements".
- C. Clause 6.3.7 "Impact testing for pressure piping".

*Note - ITS does not automatically adopt informative annexes.*

The adoption of these clauses will be completely voluntary until further announcements. A national task group has been created to provide further direction and possibly introduce additional requirements or explanatory information regarding the adoption and enforcement of the aforementioned clauses. For more information regarding the task group, please contact CSA: <https://www.csagroup.org/contact/>

CSA B51:24 Boiler, pressure vessel, and pressure piping code - Key Changes:

- a) The requirements of Part 2 in CSA B51:19 have been removed to reflect their inclusion in CSA HGV 2 and CSA NGV 2;
- b) The requirements of Part 3 in CSA B51:19 have been incorporated throughout this Standard;
- c) New requirements in Clauses 5.1.1.8 to 5.1.1.10 for boilers in cyclic service have been added;
- d) A new Clause (Clause 5.2.4.13) with design guidance for superheated steam sources connected to blowoff vessels has been added;
- e) New definitions and Clauses (Clauses 6.1.1 and 7.1.2) laying out responsibilities for manufacturers have been added;
- f) New references to ISO 16528-1 have been added to Clause 6.2.1.1;
- g) References to a CCRN or similar organization have been removed;
- h) Revisions have been made to address carbon steel toughness requirements, now found in Clause 6.2.6, and in a deletion of notes to Clause 5.2.1;

- i) New test requirements for carbon steel pipe, fittings, and forgings in Clause 6.3.7 have been added;
- j) Requirements for welded staybolts, previously found in Clause 6.8 in CSA B51:19, have been removed;
- k) Additions to the Table 5 Note on in-situ testing have been included;
- l) Clause C.1.1 has been updated to clarify certificate of authorization requirements for safety, relief, or safety relief valves;
- m) Clause C.2.2.8 regarding PRD-certified assemblers or distributors has been revised;
- n) The Statutory Declaration form has been replaced with a new Declaration of Conformity form (see Figure D.6);
- o) A new CRN application form has been added (see Figure D.9);
- p) Revisions to Annex F including
  - a. Replacing references to “statutory declaration” with “declaration of conformity”;
  - b. New informative clauses for quality programs; and
  - c. Annex F now titled “Quality programs for manufacturers of boilers, pressure vessels, piping systems and fittings”;
- q) Annex G has been revised to bring the annex into alignment with CSA B149.5;
- r) Clause I.6, providing optional requirements for servicing historical boilers, has been revised;
- s) The Standard has been revised throughout to allow references to ASME Code Section XIII and use of term ASME Code certification mark with designator;
- t) The addition of new annexes including
  - a. Annex M, “Pneumatic testing of pressure vessels and piping systems”;
  - b. Annex N, “Quality program requirements for performing new construction inspection”;
  - c. Annex O, “Guidelines for a quality program for organizations that provide design examination services”;
  - d. Annex P, “Guidelines for audit programs”;
  - e. Annex Q, “Guidelines for the development and operation of a Pressure Equipment Integrity Management Program (IMP)”;
  - f. Annex R, “Synopsis of some exemptions in Canadian jurisdictions”;
  - g. Annex S, “Guidelines for registration documentation and inspections for new construction”; and
  - h. Annex T, “Recommended safe practices where hydrogen is a constituent of the service fluid”.

Everyone responsible for conducting boiler, pressure vessel, and pressure piping work is encouraged to familiarize themselves with the 2024 edition of the CSA B51 Boiler, pressure vessel, and pressure piping Code, which can be purchased online from the CSA Group: [https://www.csagroup.org/store/product/CSA\\_B51%3A24/](https://www.csagroup.org/store/product/CSA_B51%3A24/)

If you have any questions or need more information about this code, please contact us at [BPVIntake@gov.mb.ca](mailto:BPVIntake@gov.mb.ca) or visit the CSA Website: <https://www.csagroup.org/>