

ASTM E541 Adoptions by State

[ASTM E541-22 - Latest Addition](#)

This document compiles the jurisdictions identified as referencing ASTM E541 in their statutes, administrative codes, or agency requirements, along with HUD's federal regulations. Eleven states currently reference the standard — Virginia, Utah, California, Illinois, Georgia, Maine, New Hampshire, Minnesota, North Dakota, New Jersey, and Rhode Island — with Minnesota, North Dakota, and New Jersey following the Industrialized Interstate Building Commission (IIBC). Rhode Island was formerly part of the IIBC but withdrew from the Compact effective May 28, 2024, and now references the standard independently rather than through the compact. There may be additional states, and several countries also reference ASTM E541.

Note: withdrawal detail per Interstate IBC, "RI Withdraws from Compact," April 15, 2025.

Utah

Third-Party Inspection Agency – Application Requirements (DFCM Modular Building Program)

Utah Admin. Rule R23-34 (Modular Buildings), implementing Utah Code § 15A-1-308, governs DFCM's regulation of third-party inspection agencies and inspectors. To qualify, an agency must submit:

- A list of all office locations, and a list of key personnel (officers, plan reviewers, in-plant inspectors) with copies of professional licenses/certifications for each.
- A description of personnel qualifications confirming compliance with ASTM Standard E541-22 – Standard Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building, or International Code Council (ICC) certification in the appropriate subject area, maintained in active status.
- A copy of an accreditation certificate from an ISO/IEC 17011-compliant accreditation body, under ISO/IEC 17065 (product evaluation) or ISO/IEC 17020 (inspection services), as appropriate.
- Proof of independence and absence of conflict of interest – via the DFCM Third-Party Agency Conflict of Interest Certification, per R23-34-5 (Freedom from Conflict of Interest): no affiliation with, influence by, or control from any modular manufacturer, no managerial affiliation or sales/promotion role, and no financial benefit (e.g., stock ownership or options) from any modular manufacturer.
- Proof of professional errors & omissions insurance of at least \$2,000,000 per claim or annual aggregate, with a deductible or self-insured retention no greater than \$100,000 unless DFCM authorizes a different amount in writing. (This applies to the agency, or to the individual inspector if not already covered under the agency's policy.)
- A statement of years actively engaged in plan review and/or inspections, and an agreement to adhere to the regulations of the Authority Having Jurisdiction (AHJ).

Source: [DFCM – Modular Building Program Information Packet \(PDF\)](#)

Detail above verified against DFCM's "Modular Building Program – Third-Party Inspection Agency Application" form (May 2026). Go to third party agency under applications

Virginia

ICC/MBI 1200 and 1205 have been adopted, but ASTM E541 remains in the state statute.

13 VAC 5-91-200 – Information Required by the Administrator

Chapter 91 – Virginia Industrialized Building Safety Regulations

All of the following information and criteria will be considered by the administrator in designating approval of compliance assurance agencies:

- 1. Names of officers and location of offices.
- 2. Specification and description of services proposed to be furnished under this chapter.
- 3. Description of qualifications of personnel and their responsibilities, including an assurance that personnel involved in system analysis, design and plans review, and compliance assurance inspections and their supervisors comply with the requirements of ASTM Standard Number E541-10 or shall obtain ICC or DHCD certifications in the appropriate subject area within 18 months of employment and maintain such certifications in active status.
- 4. Summary of experience within the organization.
- 5. General description of procedures and facilities to be used in proposed services, including evaluation of the model, factory follow-up, quality assurance, labeling of production buildings, and specific information to be furnished on or with labels.
- 6. Procedures to deal with any defective buildings resulting from oversight.
- 7. Acceptance of these services by independent accrediting organizations.
- 8. Proof of independence and absence of conflict of interest.

Source: [13 Va. Admin. Code § 5-91-200 – Information required by the administrator](#)

Source: [Chapter 91 overview – Virginia Industrialized Building Safety Regulations](#)

13 VAC 5-91-170 – Amendments to Codes and Standards (Effective 1/18/2024)

A. All requirements of the referenced model codes and standards that relate to fees, permits, certificates of use and occupancy, approval of plans and specifications, and other procedural, administrative, and enforcement matters that address the same subject matter and impose differing requirements are deleted and replaced by the procedural, administrative, and enforcement provisions of this chapter.

B. The referenced codes and standards are amended as set forth in the USBC.

Source: [13 Va. Admin. Code § 5-91-170 – Amendments to codes and standards](#)

Documents Incorporated by Reference (13 VAC 5-91)

International Code Council, 200 Massachusetts Avenue NW, Suite 250, Washington, DC 20001 (shop.iccsafe.org):

- ICC International Plumbing Code – 2018 & 2021 Editions
- ICC International Mechanical Code – 2018 & 2021 Editions
- ICC International Building Code – 2018 & 2021 Editions
- ICC International Residential Code – 2018 & 2021 Editions
- ICC International Fuel Gas Code – 2018 & 2021 Editions
- ICC International Energy Conservation Code – 2018 & 2021 Editions
- ICC/MBI 1200-2021 – Standard for Off-site Construction: Planning, Design, Fabrication and Assembly
- ICC/MBI 1205-2021 – Standard for Off-site Construction: Inspection and Regulatory Compliance

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471 (nfpa.org):

- NFPA 70, National Electrical Code – 2017 & 2020 Editions

ASTM Standard Number E541-10 – Standard Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building, American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 (astm.org).

Source: [Virginia Code Compliance Assurance \(13VAC5-91, § 200\)](#)

California

CA HCD Quality Assurance Inspector – Application Approval Checklist

Attachment #3 – Qualifications: A QAI shall satisfy all the provisions of ASTM Standard E 541, Part B, § 14 and T25, CCR, Chapter 3, § 4856, as noted below, for inspections of commercial modular – special purpose, commercial modular, and multi-unit manufactured housing units.

Source: [CA HCD – QAI Application Approval Checklist \(PDF\)](#)

Illinois

Title 77: Public Health – Part 880, Section 880.15

Illinois Modular Dwellings and Mobile Structures Code – Incorporated and Referenced Materials. Personnel: Inspection agencies shall conform to the personnel requirements of ASTM E 541-10 (2010), Standard Specification for Agencies in System Analysis and Compliance Assurance for Manufactured Building.

Source: Illinois Administrative Code, amended at 48 Ill. Reg. 5355, effective March 20, 2024.

Source: [77 Ill. Admin. Code § 880.15](#)

Georgia

Industrialized Buildings – Rules of the Commissioner of Community Affairs

Rule 110-2-5-.05 – Evaluation agency approval requirements. An organization applying for approval as an Evaluation Agency shall:

- 1. Submit an application on a form provided by the commissioner.
- 2. Submit a prospectus detailing its qualifications to evaluate quality control procedures, system designs, design plans, model plans and engineering data.
- 3. Certify that it has on its staff a construction-oriented professional architect and/or engineer, registered in the state of Georgia, who will be responsible for certifying compliance with these rules.
- 4. Comply with the personnel qualifications of ASTM Standard E-541-10 (§§ 7–10) to establish minimum personnel qualification requirements.

Source: [Rules of the Commissioner – Industrialized Buildings \(PDF\)](#)

Rule 110-2-5-.04 – Inspection Agency Approval Requirements

An organization applying for approval as an Inspection Agency shall:

- 1. Submit an application on a form provided by the commissioner.
- 2. Submit a prospectus detailing its qualifications to inspect and test systems, components and equipment.
- 3. Comply with the personnel qualifications of ASTM Standard E-541-10 (§§ 12–15) to establish minimum personnel qualification requirements.

Source: [Ga. Comp. R. & Regs. 110-2-5-.04](#)

Source: [Ga. Comp. R. & Regs. 110-2-5 \(full chapter\)](#)

Maine

State Certification of Modular Homes

Drafted under the authority of 10 M.R.S. § 9041 and implementing 10 M.R.S. §§ 9042–9048 of the Maine Manufactured Housing Act. This chapter sets forth construction standards, compliance assurance, inspection requirements, grounds for violation, and licensee appeal procedures relating to State-certified modular homes.

Required: an organizational chart showing management and supervisory persons, including the number of graduate engineers and architects, and the names of all consulting engineers or architects, designating which are full-time and which are part-time. The ASTM E-541 Standard must be used to establish minimum personnel requirements.

Source: [Maine DPFR – State Certification of Modular Homes rule \(PDF\)](#)

Chapter 951 – Manufactured Housing Act, Subchapter 3, § 9044

Authorized inspection agencies. The board shall, by regulation, establish procedures and standards for the qualification of private or public agencies to perform evaluation and inspection services required by this subchapter. The current edition of the Criteria for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Buildings, ASTM-E 541, as adopted by the American Society of Testing and Materials, shall be considered by the board in adopting these standards and procedures.

Source: [10 M.R.S. § 9044](#)

New Hampshire

N.H. Code Admin. R. Saf-C 3302.01

“American Society for Testing and Materials (ASTM) E 541-08” means the standard criteria for agencies engaged in system analysis and compliance assurance for manufactured building, including any documents referenced therein.

History: #5439, eff 7-24-92; ss by #6810, INTERIM, eff 7-25-98, EXPIRES 11-22-98; ss by #6885, eff 11-18-98; ss by #8012, eff 12-19-03; ss by #9752, eff 7-9-10. Amended by Volume XXXIX Number 16, filed April 18, 2019, effective 3/8/2019, expires 3/8/2029. Current through Register No. 13, March 28, 2024.

Source: [N.H. Code Admin. R. Saf-C 3302.01](#)

Industrialized Interstate Building Commission (IIBC)

The Interstate Compact on Industrialized/Modular Buildings was created to promote uniformity and encourage coordination in state industrialized buildings programs in a manner that assures interstate reciprocity. Current member states are Minnesota, North Dakota, and New Jersey.

Rhode Island (formerly IIBC)

Rhode Island was a founding member of the IIBC but withdrew from the Compact effective May 28, 2024. It now regulates industrialized/modular buildings independently rather than through the compact; its own code references remain to be re-confirmed under its post-withdrawal framework.

Note: withdrawal detail per Interstate IBC, “RI Withdraws from Compact,” April 15, 2025.

[Uniform Administrative Procedures \(excerpt, pp. 27–28\)](#)

(2) Individuals who meet the service equivalency requirements for graduate engineers or architects as defined under *ASTM E-541, Section 2.13*, and who are under the direct supervision of a professional engineer or registered architect, shall also be authorized to review structural calculations; the applicant shall be required to meet all current certification requirements.

(H) Provisional Certifications – (1) The Commission shall provisionally recognize any plan review or inspector certifications, on the effective date of these Uniform Administrative Procedures, certified or licensed by a participating state for the remaining term of the certification or license, but in no case for longer than one (1) year from the effective date. Following expiration of the provisional certification, candidates who wish to maintain certification shall meet the requirements for renewal under this Section.

(2) All current evaluation and inspection agency personnel shall have a period of two (2) years to successfully complete the required examinations, beginning on the effective date of these Uniform Administrative Procedures.

Source: [IIBC Uniform Administrative Procedures \(PDF, pp. 27–28\)](#)

Source: [Interstate IBC – official site](#)

[IIBC Application for Certification – ASTM E 541, Section 14](#)

Education and Experience Criteria for Compliance Assurance Inspectors (Copyright ASTM, reprinted with permission):

- 14.3.1 Education – Mathematical and communication skills equivalent to those acquired through [secondary education].
- 14.3.2 Experience – Two years in building construction, building code enforcement, or quality control inspection.

Source: [IIBC Application for Certification \(PDF\)](#)

[HUD Federal Regulations](#)

[24 CFR § 3282.358 – Personnel \(as of April 4, 2024\)](#)

(a) Each primary inspection agency shall have qualified personnel capable of carrying out all of the functions for which the primary inspection agency is seeking to be approved or disapproved. Where a State intends to act as the exclusive IPIA in the State, it shall show that it has adequate personnel to so act in all plants in the State.

(b) Each submission shall indicate the total number of personnel employed by the submitting party, the number of personnel available for this program, and the locations of the activities of the personnel to be used in the program.

(c) Each submission shall include the names and qualifications of the administrator and the supervisor who will be directly responsible for the program, and résumés of their experience.

(d) Each submission shall contain the information set out in paragraphs (d)(1)–(d)(9) of this section. Depending on the functions (DAPIA or IPIA) to be undertaken, some categories of personnel listed may not be required; the submission should indicate which categories are not required and explain why, and identify which personnel will carry out each function. Qualifications will be judged under ASTM Standard E-541, except that the requirement for registration as a professional engineer or architect may be waived for personnel whose qualifications by experience or education equal those of a registered engineer or architect.

Source: [HUD Electronic Code of Federal Regulations – 24 CFR § 3282.358](#)