

ASTME541 Adoptions

[ASTME541-22: Standard Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building](#)

I have compiled a list of the 11 states that reference ASTME541, along with HUD, and relevant documents supporting my research. There could be more states and there are several countries referencing ASTME541 as well. The following states reference ASTME541: Virginia, California, Illinois, Georgia, Maine, New Hampshire, Minnesota, North Dakota, and New Jersey. The last three states follow the provisions of The Industrialized Interstate Building Commission. Rhode Island was formerly included in this list but withdrew from the Compact effective May 28, 2024, and now regulates independently (Interstate IBC, "RI Withdraws from Compact," April 15, 2025).

Utah: Modular Inspection Agencies Qualifications

To qualify, an inspection agency must:

- Be licensed and experienced in modular inspection and testing.
- Employ qualified personnel per ASTM E541-22 or ICC certification standards.
- Maintain \$2 million in professional liability insurance.
- Remain independent of any modular manufacturer.

[Link](#)

Virginia:

1CC/MBI 1200 and 1205 Have Been Adopted, But ASTME541 Remains In The State Statute 13 Va. Admin. Code § 5-91-200- Information required by the administrator

Chapter 91 - VIRGINIA INDUSTRIALIZED BUILDING SAFETY REGULATIONS

13 Va. Admin. Code § 5-91-200- Information required by the administrator

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 the American Society for Testing and Material (ASTM) Standard Number E541-10 - Standard Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building or shall obtain ICC or DHCD certifications in the appropriate subject area within 18 months of employment and maintain such certifications in an 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.

[Link](#)

13 Va. Admin. Code § 5-91-170 - [Effective 1/18/2024] Amendments to codes and standards

- 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.

DOCUMENTS INCORPORATED BY REFERENCE (13VAC[5-91](#))

International Code Council, 200 Massachusetts Avenue NW, Suite 250, Washington, DC 20001 (<http://shop.iccsafe.org/codes.html>):

ICC International Plumbing Code - 2018 Edition

ICC International Mechanical Code - 2018 Edition

ICC International Building Code - 2018 Edition

ICC International Residential Code - 2018 Edition

ICC International Fuel Gas Code - 2018 Edition

ICC International Energy Conservation Code - 2018 Edition

ICC International Plumbing Code - 2021 Edition

ICC International Mechanical Code - 2021 Edition

ICC International Building Code - 2021 Edition

ICC International Residential Code - 2021 Edition

ICC International Fuel Gas Code - 2021 Edition

ICC International Energy Conservation Code - 2021 Edition

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
(<http://www.nfpa.org/>)

NFPA 70, National Electrical Code - 2017 Edition,

NFPA 70, National Electrical Code - 2020 Edition

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 (<http://www.astm.org/>)

[Link](#)

[Virginia Code Compliance Assurance](#)

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

[Link](#)

ILLINOIS

TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER q: MOBILE HOMES
PART 880 ILLINOIS MODULAR DWELLINGS AND MOBILE STRUCTURES CODE

SECTION 880.15 INCORPORATED AND REFERENCED MATERIALS

5) 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 Administrative Code: \(Source: Amended at 48 Ill. Reg. 5355, effective March 20, 2024\)](#)

Georgia

Industrialized Buildings Rules Of The Commissioner Of Community Affairs

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.

[Link](#)

Rules And Regulations Of The State Of Georgia

[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.

[Link](#)

Maine

STATE CERTIFICATION OF MODULAR HOMES

SUMMARY: These rules are drafted under the authority pursuant to 10 M.R.S. §9041 and implement 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.

3) 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 engineers. The ASTM E-541 Standard must be used to establish minimum personnel requirements.

[Link](#)

Chapter 951: MANUFACTURED HOUSING ACT
Subchapter 3: STATE CERTIFIED MANUFACTURED HOUSING

§9044. Authorized inspection agencies

1. Establishment of procedures and standards. 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.

[Link](#)

New Hampshire

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

Current through Register No. 13, March 28, 2024

Section Saf-C 3302.01 - American Society for Testing and Materials (ASTM) E 541-08

"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.

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

#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, Proposed by #12737, Effective 3/8/2019, Expires 3/8/2029.

[Link](#)

11BC: Industrialized Interstate Building Commission: Compact Between Minnesota, North Dakota, and New Jersey

The Interstate Compact on Industrialized/Modular Buildings was created to promote uniformity and encourage coordination in state industrialized buildings programs in a manner to assure interstate reciprocity. Rhode Island, a founding member, withdrew from the Compact effective May 28, 2024, and now regulates industrialized buildings independently (Interstate IBC, "RI Withdraws from Compact," April 15, 2025).

11BC Uniform Administrative Procedures PDF

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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 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 of these Uniform Administrative Procedures. Following the expiration period of the provisional certification, those candidates who wish to maintain their certification shall meet the requirements for renewal of certifications 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. This period shall begin on the Effective date of these Uniform Administrative Procedures.

[Link](#)

[IIBC](#)

IIBC Application For Certification

ASTM E 541, SECTION 14
EDUCATION AND EXPERIENCE CRITERIA
FOR COMPLIANCE ASSURANCE INSPECTORS
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14.3 Criteria:

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

[Link](#)

ASTME541 HUD Federal Regulations As Of April 4, 2024

§3282.358 *Personnel.*

(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) through (d)(9) of this section. Depending upon the functions (DAPIA or IPIA) to be undertaken by a particular primary inspection agency, some of the categories of personnel listed may not be required. In such cases, the submission should indicate which of the categories of information are not required and explain why they are not needed. The submission should identify which personnel will carry out each of the functions the party plans to perform. The qualifications of the personnel to perform one or more of the functions will be judged in accordance with the requirements of **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. The categories of personnel to be included in the submission are as follows:***

[HUD Electronic Code Of Regulations](#)