



Exempt Action Proposed Regulation Agency Background Document

Agency name	Board of Housing and Community Development
Virginia Administrative Code (VAC) citation	<u>13 VAC5-63</u>
Regulation title	Virginia Uniform Statewide Building Code
Action title	Revisions to Uniform Statewide Building Code for 2012 Edition
Document preparation date	June 12, 2013

When a regulatory action is exempt from executive branch review pursuant to § 2.2-4002 or § 2.2-4006 of the Administrative Process Act (APA), the agency is encouraged to provide information to the public on the Regulatory Town Hall using this form.

Note: While posting this form on the Town Hall is optional, the agency must comply with requirements of The Virginia Register Act, Executive Orders 14 (2010) and 58 (1999), and the *Virginia Register Form, Style, and Procedure Manual*.

Summary

Please provide a brief summary of all regulatory changes, including the rationale behind such changes. Alert the reader to all substantive matters or changes. If applicable, generally describe the existing regulation.

The Virginia Uniform Statewide Building Code (USBC) is a regulation governing the construction, maintenance and rehabilitation of new and existing building and structures. The USBC uses nationally recognized model building codes and standards produced by the International Code Council and other standard-writing groups as the basis for the technical provisions of the regulation. Every three years, new editions of the model codes become available. At that time, the Board of Housing and Community Development initiates a regulatory action to incorporate the newest editions of the model codes into the regulation through the publishing of a proposed regulation. Those affected by the regulation then review the proposed regulation to assure that the newest model codes and standards reflect the minimum requirements necessary for buildings and structures. After the publishing of the proposed regulation, the board establishes a comment period for the acceptance of comments on proposed reflected in the proposed regulations and a public hearing is held. The board then considers comments on all proposals and develops a final regulation to complete the regulatory process.

The changes to the USBC in this regulatory action are summarized as follows:

13 VAC 5-63-10 A: Adds the acronym “VCC” for the Virginia Construction Code for all future section references to the Virginia Uniform Statewide Building Code, Part I, Construction. The term “USBC” shall mean the “VCC” unless the context clearly indicates it to be an abbreviation for the entire Virginia Uniform Statewide Building Code (VUSBC), or other part of the VUSBC. Updates the USBC edition to “2012”. Updates the editions of all of the model codes referenced in the USBC to “2012”.

13 VAC 5-63-10 B: Adds the acronyms for the: International Plumbing Code “IPC”, International Mechanical Code “IMC”, International Fuel Gas Code “IFGC”, International Energy Conservation Code “IECC”, and International Residential Code “IRC”. Updates the NFPA 70 standard to “2011”.

13 VAC 5-63-10 F: Clarifies language stipulating how to address conflicts with the provisions of the codes and standards. For example, Chapter 1 of the USBC supersedes any provisions of Chapters 2-35 of the IBC that address the same subject matter and impose differing requirements.

13 VAC 5-63-20 D (5): Changes reference to Section “425” of the IBC for exemptions to this code for industrialized buildings and manufactured homes.

13 VAC 5-63-20 D (8): Adds “Off-site manufactured intermodal freight containers, moving containers and storage containers placed on site temporarily or permanently for use as a storage container” to the exemptions from this code.

13 VAC 5-63-20 D (9): Adds “Automotive lifts” to the exemptions from this code.

13 VAC 5-63-30 B: Adds clarifying language to stipulate the effective date and the edition of the code to be used.

13 VAC 5-63-30 C (1): Clarifies that “Groups I-2 or I-3” shall submit a written application for a new certificate of occupancy and that the provisions for accessibility shall comply with the VRC.

13 VAC 5-63-30 C (2): Clarifies that for all other occupancies, the provisions of the VRC shall be met for a new certificate of occupancy.

13 VAC 5-63-30 D: Adds the option for additions to use the “VRC”. Adds that additions shall comply with the applicable provisions found in “Chapter 9”.

13 VAC 5-63-30 D (2): Adds the exception to allow existing structural elements carrying gravity loads to be permitted to comply with Section 1103 of the International Existing Building Code.

13 VAC 5-63-30 E: Specifies “Group R-5 occupancies” for the reconstruction, alteration or repair provisions of the code.

13 VAC 5-63-30 E (3): Adds exception to allow compliance with the VRC as an acceptable alternative at the discretion of the owner or owner’s agent for Group R-5 occupancies for reconstruction, alteration, or repair.

13 VAC 5-63-30 F: Adds subsection for equipment changes in existing Group R-5 occupancies.

13 VAC 5-63-30 F (1): Adds the provision that vent or chimney systems be sized in accordance with the IRC.

13 VAC 5-63-30 F (2): Adds the provisions that vent or chimney systems be inspected for blockages, obstructions, etc. and if inspected by a third-party, the inspection shall be certified.

13 VAC 5-63-30 G: Deletes existing language and adds language that requires compliance with the VRC as related to reconstruction, alteration, and repairs in occupancies other than Group R-5.

13 VAC 5-63-30 G (new H): Updates the section referenced for retrofit requirements to Section “1701” of the VRC and adds the acronym for the International Fire Code “IFC”.

13 VAC 5-63-30 H: Deletes section for Nonrequired equipment.

13 VAC 5-63-30 I: Deletes section for Reduction in function or discontinuance of nonrequired fire protection systems.

13 VAC 5-63-30 J: Deletes section for Equipment changes.

13 VAC 5-63-30 K (new I): Updates the section referenced to “103.8” for Use of certain provisions of referenced codes. Deletes subdivision 2, the use of Chapter 34.

13 VAC 5-63-30 L (new J): Renumbers section for Functional design.

13 VAC 5-63-30 M (new K): Renumbers section for Amusement devices and inspections.

13 VAC 5-63-30 N (new L): Renumbers section for State buildings and structures. Updates section numbers of the Code of Virginia for exceptions.

13 VAC 5-63-30 O (new M): Renumbers section for Certification of state enforcement personnel.

13 VAC 5-63-40 A: Adds language to clarify the scope of enforcement for unsafe buildings or structures for a locality when that locality has not adopted the VMC.

13 VAC 5-63-40 C: Deletes section for Transfer of ownership.

13 VAC 5-63-80 B (2): Updates exemptions from application for permit for one story detached structures with building area not exceeding “256” square feet.

13 VAC 5-63-80 B (6): Clarifies that “concrete or masonry walls” that do not exceed six feet in height are exempt from application for permit.

13 VAC 5-63-80 B (7): Updates retaining walls supporting less than “three” feet of ordinary unbalanced fill to the exemptions from application for permit

13 VAC 5-63-80 B (12): Adds Crypts, mausoleums and columbaria structures to exemptions from application for permit.

13 VAC 5-63-120 A - X: These provisions were approved under a prior action of the Board of Housing and Community Development under special provisions for defective materials and were only effective for two years. This action will make the provisions a permanent part of the USBC.

13 VAC 5-63-120 A: Adds the following language “Damage to regulated building components caused by violations of this code or by the use of faulty materials or installations shall be considered as separate violations of this code and shall be subject to the applicable provisions of Section 115”.

13 VAC 5-63-120 F: Adds subsection for defective materials. Specifies how the building official will proceed with inspections of remediation to the new performance standards of defective materials using the edition of the USBC under which the original building was constructed for compliance.

13 VAC 5-63-120 G: Adds subsection for a drywall, performance standard for newly installed gypsum wallboard.

13 VAC 5-63-120 H: Adds subsection for remediation standards for defective drywall that has already been installed.

13 VAC 5-63-120 I: Adds subsection for the definition of defective drywall.

13 VAC 5-63-120 J: Adds subsection for permits for remediation of defective drywall and for removal, replacement, or repair of corroded electrical, mechanical, or fuel gas equipment and components.

13 VAC 5-63-120 K: Adds subsection for protocol. Where remediation of defective drywall is undertaken, the building official is permitted to consider and approve modification in accordance with Section 106.3.

13 VAC 5-63-120 L: Adds subsection for defective or nondefective drywall in the building.

13 VAC 5-63-120 L (1): Adds an exception that nondefective drywall shall be permitted to be left in place where defective drywall is limited in space or isolated from the building and can be positively identified. If a room or space contains defective drywall, the nondefective dry wall shall also be removed.

13 VAC 5-63-120 L (2): Adds an exception that if defective drywall was not used in the firewall between units and has no affect on building systems behind the firewalls, the firewall shall be permitted to be left in place.

13 VAC 5-63-120 M: Adds subsection for insulation and other building components. Insulation, carpet and vinyl flooring shall be removed and discarded, but wordwork, trim, cabinets, and tile or wood floors may be left in place or reused.

13 VAC 5-63-120 M (1): Adds an exception that closed-cell foam insulation is permitted to be left in place when testing of the defective drywall is negative, unless required to gain access.

13 VAC 5-63-120 M (2): Adds an exception that insulation, carpet, and vinyl flooring may be left in place if not exposed to defective drywall or the effects of defective drywall.

13 VAC 5-63-120 N: Adds subsection for electrical wiring, equipment, devices, and components, including smoke detectors regulated by this code. Electrical wiring may be left in place if clean or the surfaces are not corroded. Electrical equipment, devices, and components shall be removed and discarded.

13 VAC 5-63-120 N (1): Adds an exception that all electrical wiring, devices and components may be left in place if located in unexposed areas and that if located in exposed areas shall be cleaned, repaired, or replaced.

13 VAC 5-63-120 N (2): Adds an exception for cord and plug connected appliances. Since unregulated by this code, there are no requirements.

13 VAC 5-63-120 N (Note): Adds note that all low voltage wiring and similar components shall be removed and replaced or repaired.

13 VAC 5-63-120 O: Adds a subsection for plumbing and fuel gas piping, fittings, fixtures, equipment with copper, silver, or aluminum components be removed and discarded.

13 VAC 5-63-120 O: Adds an exception for plumbing and fuel gas piping, fittings, fixtures, and equipment to be permitted to be left in place when not exposed to defective drywall or its effects.

13 VAC 5-63-120 P: Adds subsection for mechanical systems. Anything mechanical shall be removed and discarded.

13 VAC 5-63-120 P: Adds an exception that allows anything mechanical, not exposed to defective drywall and its effects to be permitted to be left in place or reused.

13 VAC 5-63-120 Q: Adds subsection for cleaning that requires the building to be cleaned thoroughly to remove all particulate matter and dust.

13 VAC 5-63-120 R: Adds subsection for airing out that after cleaning, the building shall be thoroughly aired out. (Open windows/doors, use of fans)

13 VAC 5-63-120 S: Adds subsection for pre-rebuilding clearance testing of the building according to the joint report (04/02/10) by the Consumer Products Safety Commission and the Department of Housing and Urban Development or with a copper probe and dosimeter. The testing shall confirm that all airborne compounds associated with defective drywall are at usual environmental levels and the clearance test report shall certify compliance and shall be submitted to the building official.

13 VAC 5-63-120 S (1): Adds note that if the building is served by a well, the well must be capped/plugged prior to testing to prevent contamination of the air sample.

13 VAC 5-63-120 S (2): Adds note that fixtures be capped/plugged prior to testing to prevent sewer gases from contaminating of the air sample.

13 VAC 5-63-120 T: Adds subsection for testing agencies and personnel. Testing agencies and personnel shall be independent of those responsible for the remediation work and the agencies and personnel shall be appropriately certified or accredited.

13 VAC 5-63-120 T: Adds an exception that testing agencies and personnel shall be accepted if certified by an RDP or if the agency employs an RDP to be in responsible charge of the work.

13 VAC 5-63-120 U: Adds subsection for rebuilding of the building to comply with the edition of the USBC that was in effect when the building was originally built.

13 VAC 5-63-120 V: Adds subsection for post-rebuilding clearance testing of the building using the same requirements from 13VAC 5-63-120 S.

13 VAC 5-63-120 (1): Adds note that if the building is served by a well, the well must be capped/plugged prior to testing to prevent contamination of the air sample.

13 VAC 5-63-120 V (2): Adds note that fixtures be capped/plugged prior to testing to prevent sewer gases from contaminating of the air sample.

13 VAC 5-63-120 W: Adds subsection for final approval by the building official. The building official shall issue a certificate or letter that the remediation and rebuilding comply with this code.

13 VAC 5-63-120 X: Adds subsection for approval of remediation occurring prior to these standards. The building official shall issue a certificate or letter of approval provided that the post-rebuilding clearance test has been performed and passes. The clearance test report certifying compliance shall be submitted to the building official.

13 VAC 5-63-130 I: Adds language to allow notices of defective work to be provided electronically.

13 VAC 5-63-130 M: Adds language to allow the building official to require the electrical service to be energized prior to conducting the final inspection.

13 VAC 5-63-160 C (6): Adds a requirement for "Group R-5 occupancies complying" with Section R320.2 of the IRC have a notation of compliance with that section on the certificate.

13 VAC 5-63-170 B: Adds subsection for temporary uses within existing buildings and structures. Allows the building official to approve conditions or modifications for temporary use. The building official shall notify the fire official of the approved temporary use. The building official shall be allowed to terminate the approval.

13 VAC 5-63-180 A: Deletes some existing language applicable to building and structures becoming unsafe during construction. Adds clarifying language to include unsafe buildings and structures, regardless of permit activity status.

13 VAC 5-63-180 B: Deletes existing language applicable to the repair or removal of unsafe buildings or structures and clarifies that any unsafe building or structure shall be made safe through compliance with this code or taken down and removed.

13 VAC 5-63-180 C: Deletes from the subsection "notice of unsafe building or structure".

13 VAC 5-63-180 D: Deletes some existing language applicable to the notice of unsafe buildings or structures and clarifies the actions that need to be taken by the building official to notify the owner. Notice must be issued by personal service, include corrections necessary to comply with this code, and if required to be demolished, a time period in which the demolition must occur.

13 VAC 5-63-180 D: Adds note that when possible, the notice shall also be given to any tenants or occupants of the building.

13 VAC 5-63-180 D (new E): Deletes some existing language applicable to vacating unsafe buildings or structures and clarifies that the building official shall be authorized to order the building or structure to be vacated immediately if there is imminent danger to the occupants or to the public.

13 VAC 5-63-180 E (new F): Adds subsection for posting of notice. If the notice is unable to be delivered by personal service, then the notice shall be sent by registered or certified mail to the last known address of the responsible party and the notice shall also be posted in a conspicuous place on the premises.

13 VAC 5-63-180 G: Adds subsection for posting of placard. If notice of an unsafe building or structure is not complied with, a placard shall be posted with specific wording that prohibits entry without authorization from the building official.

13 VAC 5-63-180 I: Adds subsection for closing of streets. Permits the building official to be allowed to order temporary closing of sidewalks, streets, and public ways if necessary for public safety.

13 VAC 5-63-190 A: Adds the following language for the establishment of appeals board: "the locality is responsible for maintaining a duly constituted LBBCA prepared to hear appeals within the time limits established in this section. The LBBCA shall meet as necessary to assure a duly constituted board, appoint officers as necessary and receive such training on the code as may be appropriate or necessary from staff of the locality".

13 VAC 5-63-190 B: Deletes the provision for a LBBCA annual meeting.

13 VAC 5-63-190 F: Adds to meetings and postponements that the LBBCA be permitted to have a period of up to 45 calendar days to meet after the date of receipt of the application for appeal when there are regularly scheduled monthly meetings.

13 VAC 5-63-200 A: Moves the following definitions to Chapter 2 Definitions: Day-night average sound level (Ldn), Emergency communication equipment, Emergency public safety personnel, Hospice facility and Sound transmission class (STC) rating. Adds the following definitions to Chapter 2 Definitions: Marina, Slip, Tenable environment and Unsafe building or structure. Deletes Technical production area.

13 VAC 5-63-200 B: Changes the following definitions in Section 202 of the IBC: 24-hour basis, Automatic fire-extinguishing system, Custodial care, Group home and Swimming pool.

13 VAC 5-63-200 C: Deletes the following definitions from Section 202 of the IBC: Fly gallery and Gridiron.

13 VAC 5-63-210 A: Changes Section 303.6 Assembly Group A-5 to include Amusement park structures, Bleachers, Grandstands, Stadiums and Swimming pools to the list of assembly uses.

13 VAC 5-63-210 C (1): Changes the definition of smokeless propellants in Section 202 of the IFC.

13 VAC 5-63-210 C (3): Updates section referenced for exceptions as to the amount of smokeless powder each vender may store to Section 5506.5.2.1. Updates section referenced for exceptions to small arms primers displayed and stored in the manufacturer's original packaging to Section 5506.5.2.3.

13 VAC 5-63-210 C (4): Change exception 4 (possession and storage of smokeless powder and small arms primers for personal consumption) and add exception 10 (display of small arms primers in Group M in the original manufacturer's packaging) and exception 11 (possession and storage of smokeless powder and small arms primers in Group R-3, R-5 and detached Group U structures) to Section 5501.1 of the IFC.

13 VAC 5-63-210 C (5): Update section for storage in residences to Section 5506.4 of the IFC.

13 VAC 5-63-210 C (6): Update sections 3306.4.1 and 3306.4.2 to Sections 5506.4.1 and 5506.4.2 and delete from the IFC.

13 VAC 5-63-210 C (7): Update section 3306.5.1.1 to Section 5506.5.1.1 of the IFC for smokeless propellant.

13 VAC 5-63-210 C (8): Update section 3306.5.1.3 to Section 5506.5.1.3 and delete from the IFC.

13 VAC 5-63-210 C (9): Update section 3306.5.2.1 to Section 5506.5.2.1 of the IFC for commercial stocks of smokeless propellants.

13 VAC 5-63-210 D: Add Hospice facility to the list of terms in Section 308.2 of the IBC.

13 VAC 5-63-210 E: Updates section 308.2 to Section 308.3 of the IBC for Institutional Group I-1. Deletes some existing language and adds language to exclude residing staff from the number of persons residing on a 24-hour basis that receive custodial care. Specifies section to be referenced for Group I-1, other than assisted living facilities as Section 308.3.1. Specifies assisted living facilities be classified as one of the occupancy conditions indicated in Sections 308.3.1 or 308.3.2. Clarifies the exception for Group I-1 occupancies as the occupancy condition indicated in Section 308.3.1. Deletes language that refers to a similar facility with 5 or fewer persons.

13 VAC 5-63-210 F: Changes Section 308.3.1 and Section 308.3.2 of the IBC to include and define Condition 1 and Condition 2 for Group I-1 occupancies.

13 VAC 5-63-210 G: Adds new language (Sections 308.3.3 and 308.3.4) to the IBC to correlate with 2009 amendments to establish occupancy thresholds for Group R-4 and Group R-3 classifications.

13 VAC 5-63-210 H: Changes section 308.3 to Section 308.4 of the IBC for Group I-2 which is specified as a building or structure used for medical care on a 24-hour basis for more than 5 persons who are incapable of self-preservation. Deletes Child care facilities and Mental hospitals. Adds Foster care facilities and Psychiatric hospitals.

13 VAC 5-63-210 (old E): Deletes hospice facility from Section 308.3.1 of the IBC.

13 VAC 5-63-210 I: Changes section number to Section 308.6 of the IBC. Deletes existing language and adds "Family days homes under section 310.9".

13 VAC 5-63-210 J: Changes section number to Section 310.3 of the IBC. Adds "Residential Group" to further define the R-1, residential occupancies containing sleeping units where the occupants are primarily transient in nature. Further defines boarding houses with more than 10 occupants. Adds Congregate living facilities (transient) with more than 10 occupants. Deletes Congregate living facilities with 10 or fewer occupants. Updates section referenced in exceptions to Section 907.2.11.2.

13 VAC 5-63-210 K: Adds "Residential Group" to further define the R-4 occupancy. Adds the following to Group R-4: Alcohol and drug centers, Assisted living facilities, Congregate care facilities, Group homes, Halfway houses, Residential board and care facilities and Social rehabilitation facilities. R-4 occupancy shall also include hospice facilities with not more than 16 occupants, excluding staff. Deletes the option of compliance with the IRC when protected by an automatic sprinkler system. Further defines exception 2 as a Group R-4 occupancy classified as the occupancy condition indicated in 310.6.1, other than in hospice facilities.

13 VAC 5-63-210 L: Adds Sections 310.6.1 (Condition 1) and 310.6.2 (Condition 2).

13 VAC 5-63-210 M: Adds Section 310.7 to the IBC which further defines R-5 as a Residential Group within the scope of the IRC.

13 VAC 5-63-210 (old H): Delete section for Residential care/assisted living facilities.

13 VAC 5-63-210 N: Update section 310.3 to Section 310.8 of the IBC for Group R-5. Clarifies that all references to the IRC in the IBC shall be considered to be references to this section.

13 VAC 5-63-210 O: Update section 310.3.1 to Section 310.8.1 of the IBC for Additional requirements.

13 VAC 5-63-210 P: Update section 310.4 to Section 310.9 of the IBC for Family day homes.

13 VAC 5-63-210 Q: Update section 310.5 to Section 310.10 of the IBC for Radon-resistant construction in Group R-3 and R-4 structures. Clarifies that the requirements in Appendix F of the IRC Section R324 shall be met in localities enforcing such requirements.

13 VAC 5-63-210 R: Updates section 310.6 to Section 310.11 of the IBC for amendments to the IRC.

13 VAC 5-63-210 R (1): Adds the following definitions: Non-potable fixtures and outlets, non-potable water systems, rainwater and storm water.

13 VAC 5-53-210 R (2): Changes the definition of gray water.

13 VAC 5-63-210 R (3): Deletes some existing language for Wind design criteria. Specifies how the wind design criteria shall be determined, for example: using Table R301.2(1).

13 VAC 5-63-210 R (old 2): Delete section for design criteria.

13 VAC 5-63-210 R (old 3): Delete section for alternate determination of seismic design category.

13 VAC 5-63-210 R (old 4): Delete section R301.2.2.3 and all subsections.

13 VAC 5-63-210 R (old 5): Delete R301.2.2.4

13 VAC 5-63-210 R (old 6): Delete exception for wood framed wall buildings with bracing.

13 VAC 5-63-210 R 7 (new 4): Adds exception 6 (decks and open porches) to Section R302.1.

13 VAC 5-63-210 R (old 8): Delete Table R302.1 and footnote.

13 VAC 5-63-210 R 9 (new 5): Changes the exception to require a common two-hour fire-resistance-rated wall instead of a one-hour, unless the townhouse development is fully sprinklered as provided for in Section R313.1.

13 VAC 5-63-210 R 10 (new 6): Adds the language, "Dwelling unit separation wall assemblies that are constructed on a lot line shall be constructed as required in Section R302.2 for townhouses.

13 VAC 5-63-210 R (new 7): Adds new language for R302.5.1 for opening protection.

13 VAC 5-63-210 R 11 (new 8): Updates section referenced from 303.8 to Section R303.9 to the exception for Seasonal structures not used as a primary residence.

13 VAC 5-63-210 R 12 (new 9): Updates section R303.8.1 to Section R303.9.1 for non-owner occupied required heating.

13 VAC 5-63-210 R 13 (new 10): Updates section R303.9 to Section R303.10 for Insect screens.

13 VAC 5-63-210 R 14 (new 11): Add additional language to specify Section 103.11 of Part I of the Virginia Uniform Statewide Building Code (13 VAC 5-63) be referenced for water supply sources and sewage disposal systems.

13 VAC 5-63-210 R 15 (new 12): Change Section R310.1 for Emergency escape and rescue required. Add habitable attics. Specify that every sleeping room designated on the construction documents shall have at least one operable emergency escape and rescue opening. In basements that contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room. Specifies measurements for emergency escape and rescue openings. Specifies that the emergency escape and rescue openings shall open directly into a public way.

13 VAC 5-63-210 R 17 (new 14): Update section R311.7.4.1 to Section R311.7.5.1 for Risers. Provides specifics for measuring riser heights and other options when constructing a stair. Adds an exception for the opening between adjacent treads not to be limited on stairs with a total rise of 30 inches or less.

13 VAC 5-63-210 R 18 (new 15): Update section R311.7.4.2 to Section R311.7.5.2 for Treads. Deletes existing language on winder treads.

13 VAC 5-63-210 R 19 (new 16): Update section R311.7.6 to Section R311.7.7 for Stairway walking surface.

13 VAC 5-63-210 R (new 17): Add Section R312.2.1 for window sills. Clarifies the allowable measurements for the opening of an operable window in regard to the finished floor.

13 VAC 5-63-210 R 23 (new 21): Update section R315.2 to Section R315.3 and delete section.

13 VAC 5-63-210 R 24 (new 22): Update section R315.2 to Section R315.4.

13 VAC 5-63-210 R (new 23): Adds Section R320.2 for Universal design features for accessibility in dwellings.

13 VAC 5-63-210 R 27 (new 26): Delete spas and hot tubs from R325.

13 VAC 5-63-210 R 28 (new 27): Deletes the use of Appendix G for swimming pools, spas and hot tubs. Swimming pools, as defined in the USBC shall comply with the applicable provisions of the International Swimming Pool and Spa Code.

13 VAC 5-63-210 R (34): Delete Section R328 for gray water and rain water recycling systems.

13 VAC 5-63-210 R (35): Delete Section R328.1 for the use of Appendix O for gray water and rain water recycling systems.

13 VAC 5-63-210 R (40): Deletes Exceptions 2 and 3 in Section R403.1.6.

13 VAC 5-63-210 R (41): Delete Item 5 of Section R403.1.6.1.

13 VAC 5-63-210 R (43): Delete Section R502.2.1 for framing at braced wall panels.

13 VAC 5-63-210 R (new 38): Adds new language to Section R502.5 for allowable girder and header spans. Updates Table R502.5(3).

13 VAC 5-63-210 R (46): Delete Table R602.3(1).

13 VAC 5-63-210 R (47): Delete Section R602.3.5 for Braced wall panel uplift load path.

13 VAC 5-63-210 R (new 41): Update Figure R602.3(2) for framing Details.

13 VAC 5-63-210 R (new 42): Add Section R602.7.4 for supports for headers. Specifies that headers shall be supported on each end by one or more jack studs and that a king stud shall be adjacent to the jack stud on each of the header and nailed at each end of the header and nailed at each end of the header with 4=12d nails.

13 VAC 5-63-210 R (48): Delete Section R602.9 for cripple walls.

13 VAC 5-63-210 R (49): Delete Section R602.10 for wall bracing.

13 VAC 5-63-210 R (50): Delete Section R602.11.1 for wall anchorage for townhouses in Seismic Design Category C.

13 VAC 5-63-210 R (51): Delete Section R602.11.2.

13 VAC 5-63-210 R 52 (new 43): Delete all existing language and add new language to Section R602.12 for practical wall bracing. This new section allows all buildings in Seismic Design Categories A and B and detached buildings in Category C to be permitted to be braced in accordance with this section as an alternative. Adds Section R602.10 for a building that does not comply with one or more of the bracing requirements in this section. Adds Section R602.12.1 for sheathing materials, which lists materials that shall be permitted for sheathing as wall bracing. Adds R602.12.2 for braced wall panels. This section specifies that the wall panels shall be full-height wall sections sheathed with the acceptable materials in Section R602.12.1 and must comply with 6 additional requirements, listed. Adds Section R602.12.3 for circumscribed rectangle. Using this provision shall determine the required length of bracing. Criteria for using this provision is included in this section. Section R602.12.3.1 addresses townhouses. Rectangles shall be circumscribed around individual townhouses. Section R602.12.4 for required length of bracing shall be determined using Table R602.12.4. Section R602.12.4.1 for braced wall panel assignment to rectangle sides. Panels shall be assigned as specified in Figure R602.12.4.1. Section R602.12.4.2 for contributing length shall be greater than or equal to the required length of bracing as determined in Section R602.12.4. Application of contributing length to angles braced wall panels must follow the

requirements listed for each projection. Section R602.12.5 for Cripple walls and framed walls of walk-out basements. required length of bracing shall be determined using Table R602.12.4. Section R602.12.6 for distribution of braced wall panels. Braced wall panels shall be distributed following the requirements as shown in Figure R602.12.6. Section R602.12.6.1 for Panels adjacent to balloon framed walls. In this case, braced wall panels shall be placed on each side of each story adjacent to balloon framed walls designed in accordance with Section R602.3, with a maximum height of two stories. Section R602.12.7 for braced wall panel connection. Braced wall panels shall be connected to other structural elements in accordance with Section R602.10.8. Section R602.12.8 for braced wall panel support. Braced wall panels shall be supported in accordance with Section R602.10.9.

13 VAC 5-63-210 R (53): Delete Section R612.2 for window sills.

13 VAC 5-63-210 R (54): Delete Section R703.7 for Stone and masonry veneer, general.

13 VAC 5-63-210 R (55): Delete the reference to footnote "f" and the footnote itself in Figure R802.11.

13 VAC 5-63-210 R (new 44): Change Section R807.1 for attic access. Buildings with combustible ceiling or roof construction shall have an access opening with minimum specified dimensions.

13 VAC 5-63-210 R (new 45): Delete Section R905.2.8.5.

13 VAC 5-63-210 R (new 46): Change Section R1001.8 for smoke chamber. This provisions identifies the specific requirements for constructing a smoke chamber.

13 VAC 5-63-210 R 56 (new 47): Update section from N1101.9 to Section N1101.16 (R401.16) and delete section.

13 VAC 5-63-210 R (new 48): Change the ceiling R-value and wood frame wall R-value categories for climate zone "4 except Marine" in Table N1102.1.1 (R402.1.1) to R-38 for the ceiling and R-15 or R-13 +1 for wood frame walls.

13 VAC 5-63-210 R (new 49): Change the ceiling U-factor and frame wall U-factor categories for climate zone "4 except Marine" in Table N1102.1.3 (R402.1.3) to 0.030 for the ceiling and 0.079 for wood frame walls.

13 VAC 5-63-210 R (new 50): Change Sections N1102.2.1 (R402.2.1) and N1102.2.4 (R402.2.4). Section N1102.2.1 (R402.2.1) for ceilings with attic spaces. When R-38 is required in the ceiling, installing R-30 over 100% of the ceiling area shall be deemed to satisfy the requirement whenever the full height of uncompressed R-30 insulation extends over the wall top plate. This reduction cannot be applied to the U-factor alternative approach or the UA alternative. Section N1102.2.4 (R402.2.4) for access hatches and doors. Access doors from conditioned spaces to unconditioned spaces shall be weatherstripped and insulated with the following values: Hinged vertical doors: minimum overall R-5, hatches/scuttle hole covers: insulated to a level equivalent to the insulation on the surrounding surfaces, pull down stairs: a minimum of 75% of the panel area should have R-5 rigid insulation. Access shall be provided to all equipment and should prevent damage to or compressing the insulation. When loose fill insulation is installed, a wood framed or equivalent baffle or retainer is required to prevent the loose fill insulation from spilling into the living space.

13 VAC 5-63-210 R (51): Deletes Section N1102.3.6 (R402.3.6). Changes Section N1102.4 (R402.4) for air leakage to clarify that the building thermal envelope shall be constructed to limit air leakage. Changes N1102.4 (R402.4.1.1) for Installation. The components of the building thermal envelope shall be installed according to the manufacturer's instructions and the criteria listed in Table N1102.4.1.1. Where required by the building official, an approved third-party shall inspect all components and verify compliance.

13 VAC 5-63-210 R (52): Changes the title of the criteria category of Table N1102.4.1.1 (R402.4.1.1) and added new language to clarify requirements within that category for walls, shower/tub on exterior walls, and fireplaces. Adds footnote (b.) indicating that the structural integrity of headers shall be constructed in accordance with the applicable building code. Adds footnote (c.) that specifies that the air barriers used behind showers and tubs in exterior walls be of a permeable material that does not cause entrapment of moisture within the stud cavity.

13 VAC 5-63-210 R (53): Changes Section N1102.4.1.2 (R402.4.1.2) for air sealing and requires compliance with either Section N1102.4.1.2.1 or N1102.4.1.2.2. Section N1102.4.1.2 (R402.4.1.2.1) specifies how the testing option shall be performed when testing for air leakage. Section N1102.4.1.2.2 (R402.4.1.2.2) provides the visual inspection of option for air leakage compliance. Section N1102.4.1.3 (R402.4.1.3) for leakage rate states that the air leakage rate shall not exceed 5 changes per hour.

13 VAC 5-63-210 R (54): Changes Section N1103.1.1 (R403.1.1) for programmable thermostats to indicate that the programmable thermostat controlling the primary heating and cooling of the dwelling unit be capable of working on a daily schedule and no longer limits the requirements to forced air systems only.

13 VAC 5-63-210 R (55): Changes Section N1103.2.2 (R403.2.2) for sealing to delete building cavities used as ducts from the requirement.

13 VAC 5-63-210 R (56): Changes Section N1103.2.2.1 (R403.2.2.1) for testing options. Clarifies that the post-construction test shall be determined by the total leakage that is less than or equal to 6 cfm/100 square feet across the entire system. Clarifies that the rough-in test shall be determined by the total leakage that is less than 5 cfm/100 square feet across the system. Addresses the case where the air handler has yet to be installed, in this case the total leakage shall be less than or equal to 5 cfm/100 square feet. Revises the exception to indicate that the total leakage test not be required for ducts and air handlers located entirely within the building thermal envelope.

13 VAC 5-63-210 R (57): Adds Section N1103.2.2.2 (R403.2.2.2) for visual inspection option.

13 VAC 5-63-210 R (58): Adds Section N1103.2.2.3 (R403.2.2.3) for Sealed air handlers. Specifies that air handlers have a manufacturer's designation for an air leakage of no more than 2 percent of the design air flow rate when tested in accordance with ASHRAE 193.

13 VAC 5-63-210 R (59): Changes Section N1103.4.2 (R403.4.2) for hot water pipe insulation. This provision specifies the insulation required in a variety of circumstances related to the hot water piping.

13 VAC 5-63-210 R (60): Deletes Table N1103.4.2 (R403.4.2).

13 VAC 5-63-210 R (61): Changes Section N1104.1 (R404.1) for lighting equipment to a minimum of 50% of the lamps in permanently installed luminaires be high-efficacy lamps. This is a reduction in the 2012 model codes that increased this requirement to 75%. There is an exception for low-voltage lighting. It shall not be required to utilize high-efficacy lamps.

13 VAC 5-63-210 R (62): Changes the glazing and air exchange rates in the building component category in Table R405.5.2(1). Adds a footnote (b-1.) for fenestrations facing within 15 degrees of true south.

13 VAC 5-63-210 R (old 60): Delete Section M1502.4.4.1 for specified length of exhaust duct.

13 VAC 5-63-210 R 61 (new 63): Adds Section M1801.1.1 for equipment changes.

13 VAC 5-63-210 R 62 (new 64): Adds Section G2425.1.1 for equipment changes.

13 VAC 5-63-210 R 63 (new 65): Change Section P2602.1 for Connections of plumbing fixtures, drains, and appliances used to receive or discharge liquid wastes or sewage. Adds to the exception "in accordance with the applicable provisions of Sections P2909, P2910 and P2911.

13 VAC 5-63-210 R (67): Adds Section P2901.1 for Non-potable fixtures and outlets which allows non-potable water to serve non-potable type fixtures and outlets in accordance with P2909, P2910 and P2911.

13 VAC 5-63-210 R (70): Adds an exception to Section P3301.1 for rainwater non-potable water systems be permitted in accordance with Sections P2909 and 2911.

13 VAC 5-63-210 R (71): Adds Section P2909 for non-potable water systems.

13 VAC 5-63-210 R (72): Adds Section P2909.1 through P2909.18, including subsections for scope and design of non-potable water systems, makeup water, makeup water sources, makeup water supply valves, control valve alarms, sizing, signage required, potable water supply system connections, non-potable water system connections, approved components and materials, insect and vermin control, freeze protection, non-potable water storage tanks, inlets, outlets, materials and location, foundation and supports, ballasts, structural support, overflow, access, venting, drains, storage tank tests, structural strength, trenching requirements, outdoor outlet access, drainage and vent piping fittings, labeling and marking, pumping and control systems, water-pressure reducing valves or regulators, distribution pipes, materials, joints, and connections, design, labeling and marking, backflow prevention, tests and inspections, drainage and vent pipe tests, storage tanks tests, water supply system tests, inspection and testing of backflow prevention assemblies, inspection of vermin and insect protection, and operation and maintenance manuals.

13 VAC 5-63-210 R (73): Adds Section P2910 for gray water non-potable water systems.

13 VAC 5-63-210 R (74): Adds Sections P2910.1 through P2910.6 for gray water non-potable water systems: separate systems, water quality, disinfection, residual disinfectants, filtration, storage tanks, retention time limits, tank location and valves.

13 VAC 5-63-210 R (75): Adds Section P2911 for rainwater non-potable water systems.

13 VAC 5-63-210 R (76): Adds Sections P2911.1 through P2911.10 for rainwater non-potable water systems: general provisions, water quality, disinfection, residual disinfectants, filtration, collection surface, pre-tank filtration, roof gutters and downspouts, cleanouts, storage tanks, valves, influent diversion, backwater valves, tests and inspections.

13 VAC 5-63-210 R 68 (new 78): Changes E3802.4 for cable in unfinished basements to include Type SE cable.

13 VAC 5-63-210 R 69 (new 79): Updates section E3902.11 to Section E3902.12 for arc-fault protection of bedroom outlets. Clarifies Exception (1) using an outlet branch-circuit type AFCI. Adds Exception (2) to include an outlet branch-circuit type AFCI installed at the first outlet. Adds to Exception (3) Type MC cable.

13 VAC 5-63-210 R (80): Adds the following referenced standards to Chapter 44: ICC ISPS-12, NFPA 13R-10 and NSF/ANSI 50-09.

13 VAC 5-63-210 S: Adds marinas to the list of occupancies in Section 312.1 of the IBC.

13 VAC 5-63-220 B: Updates section 407.10 to Section 407.4.1.1 of the IBC.

13 VAC 5-63-220 D: Updates the section 410 to Section 408.6 of the IBC and deletes stages, platforms, and technical production areas.

13 VAC 5-63-220 E: Deletes section for definition of fly gallery and gridiron.

13 VAC 5-63-220 F: Deletes section for technical production area.

13 VAC 5-63-220 G: Updates section 410.5.3 to Section 410.6 of the IBC and deletes Sections 410.6 – 410.6.3.5, which includes means of egress, arrangement of exits, stairway and ramp enclosures, technical production areas, travel distance, and width of the path of egress travel.

13 VAC 5-63-220: Add Section 408.6 for smoke barriers for occupancies classified as Group I-3.

13 VASC 5-63-220 E : Updates Section 408.9 for smoke control and adds Sections 408.9.1 through 408.9.3 to the IBC for locations of smoke control systems, compliance of smoke control systems, and egress corridors within smoke compartments.

13 VAC 5-63-220 G: Updates the title of Section 420 to Groups I-1, R-1, R-2, R-3, R-4. Changes Section 420.1 to generally address those occupancies and the section numbers of the provisions that are to be complied with. Changes Section 420.4 for smoke barrier in I-1 Condition 2 to clarify how those compartments can be divided within a building or structure.

13 VAC 5-63-220 H: Adds subsection for refuge areas within each smoke compartment and the sizes required of those areas. Specifies that the areas to be included in the calculation of the refuge area are corridors, lounge or dining areas and other low hazard areas.

13 VAC 5-63-220 I: Changes Section 420.5 of the IBC for automatic sprinkler systems and addresses those systems in Group R and Group I-1 occupancies. Adds Section 420.6 for fire alarm systems and smoke alarms in Group I-1, R-1, R-2, and Group R-4 occupancies.

13 VAC 5-63-220 J: Updates IBC section 424 to Section 425 for manufactured homes and industrialized buildings.

13 VAC 5-63-220 K: Updates section 424.1 to Section 425.1 of the IBC. Also addresses the issue that local building departments are responsible for the enforcement of certain provisions of the 13 VAC 5-95 and 13 VAC 5-91.

13 VAC 5-63-220 L: Updates section 424.2 to Section 425.2 of the IBC for site work for manufactured homes. Deletes existing language on the aspects for the installation and setup of a new manufactured home. Adds language to address components that shall comply with the applicable provisions of this code, including footing design, basement, grading, drainage, decks, stoops, porches and utility connections. Outlines that the installer shall notify the building official that an inspection is necessary prior to concealment of components that the building official will be inspecting.

13 VAC 5-63-220 M: Adds Section 425.2.1 to the IBC for Relocated manufactured homes. Installation, setup and site work shall comply with the provisions of this code and shall include the option of using the manufacturer's installation instructions or the federal Model Manufactured Home Installation Standards (24 CFR Part 3285) for the technical requirements.

13 VAC 5-63-220 N: Add Section 425.2.2 to the IBC for alterations and repairs to manufactured homes. Alterations and repairs shall be in accordance with federal Manufactured Home Construction and Safety Standards (24 CFR Part 3280) or in accordance with the alteration and repair provisions of this code.

13 VAC 5-63-220 P: Update section 424.3 to Section 425.3 for wind load requirements for manufactured homes to the IBC.

13 VAC 5-63-220 Q: Update section 424.4 to Section 425.4 for skirting requirements for manufactured homes to the IBC.

13 VAC 5-63-220 R: Update section 424.5 to Section 425.5 for site work for industrialized buildings to the IBC.

13 VAC 5-63-220 S: Update section 424.6 to Section 425.6 for relocated industrialized buildings to the IBC.

13 VAC 5-63-220 T: Adds Section 425.7 for change of occupancy of industrialized buildings to the IBC. The change of occupancy of an industrialized building is regulated by 13 VAC 5-91. A new certificate of occupancy shall be issued under the USBC once compliance is verified.

13 VAC 5-63-220 U: Updates section 425 to Section 426 for aboveground liquid fertilizer tanks to the IBC.

13 VAC 5-63-220 V: Updates sections 425.1 through 425.6 to Sections 426.1 through 426.6 to the IBC.

13 VAC 5-63-225 A: Changes Section 504.2 of the IBC for automatic sprinkler system increase and adds exceptions.

13 VAC 5-63-225 B: Changes Section 508.2.3 of the IBC for allowable building area and height.

13 VAC 5-63-230: Updated the title of Chapter 7 to fire and smoke protection features.

13 VAC 5-63-230 A: Updates section 703.6 to Section 703.7 of the IBC for fire-resistance assembly marking.

13 VAC 5-63-230 B: Change the existing exception in Section 705.2 of the IBC to Exception 1 and add Exception 2 to include decks and open porches of buildings in Group R-3.

13 VAC 5-63-230 C: Adds Exception 4 to Section 706.5.2 to include decks and open porches of buildings in Groups R-3 and R-4.

13 VAC 5-63-230 D: Changes Section 709.5 of the IBC for openings in a smoke barrier to be protected in accordance with Section 716. Adds Exception 1 for Group I-1 Condition 2, Group I-2 and ambulatory care facilities where doors are installed across corridors to the specified provision. Adds Exception 2 for Group I-1 Condition 2, Group I-2 and ambulatory care facilities with horizontal sliding doors installed in accordance with Section 1008.1.4.3 and protected in accordance with Section 716.

13 VAC 5-63-230 E: Deletes Sections 713.14.1 and 713.4.1.1..

13 VAC 5-63-230 F: Change section to Section 716.5.3.1. Delete existing language for penetrations of shaft enclosures. Add language for Smoke and draft control.

13 VAC 5-63-235: Change Section 806.1.2 of the IBC for combustible decorative materials that limits the permissible amount of decorative materials meeting the flame propagation criteria of NFPA 701 shall not exceed 10% of the wall or ceiling area where it is attached. Adds Exception 1 for auditoriums or similar spaces in Group A, the permissible amount of decorative material shall not exceed 75% of wall area when the building is equipped with an automatic sprinkler system. Adds Exception 2 for auditoriums or similar spaces in Group A, the permissible amount of decorative materials suspended from the ceiling shall not exceed 75% of the wall area when the building is equipped with an automatic sprinkler system. Add Exception 3 for no limit to the amount of fabric partitions suspended from the ceiling and not supported by the floor in Group B and M occupancies.

13 VAC 5-63-240 A: Adds emergency communication equipment and emergency public safety personnel to the list of terms which are defined in Chapter 2 of the IBC.

13 VAC 5-63-240 B: Delete the definition in Section 902 of the IBC for automatic fire extinguishing system.

13 VAC 5-63-240 D (new C): Updates the language from occupancies other than churches to “places of religious worship” to be excluded from the fire area that has an occupant load of 300 or more.

13 VAC 5-63-240 G (new F): Updates Section 903.2.7 to Section 903.2.8 of the IBC for Group R, automatic sprinklers. Adds two exceptions specific to Group R-2 occupancies not exceeding two stories, including basements. Adds a new Exception 2 to specify Group R-2 occupancies. Section 903.2.8.1 is specific to Group R-3 and Section 903.2.8.2 is specific to Group R-4 for the installation of an automatic sprinkler system.

13 VAC 5-63-240 G: Adds Sections 903.2.8.3, 903.2.8.3.1, 903.2.8.3.2 and 903.2.8.4 to the IBC. Section 903.2.8.3 is specific to Group R-4 Condition 2 and the installation of an automatic sprinkler system. Section 903.2.8.3.1 is specific to attics used for living purposes and the installation of an automatic sprinkler system. Section 903.2.8.3.2 is specific to attics not used for living purposes and provides of list to which the area must be protected using one of the 4 options. Section 903.2.8.4 is specific to care facilities and the installation of automatic sprinkler systems.

13 VAC 5-63-240 H: Delete Item 6 to Section 903.3.1.1.1 of the IBC that includes elevator machine rooms and elevator spaces.

13 VAC 5-63-240 I (new H): In Section 903.3.1.2.2 to the IBC section 6.7.2 of NFPA 13R is updated to Section 7.2 of NFPA 13R for attics with sprinkler protection.

13 VAC 5-63-240 I: Change Section 903.3.1.3 to address NFPA 13D sprinkler systems installed in one and two-family dwellings, Group R-3, R-4 Condition 1, and townhouses.

13 VAC 5-63-240 N: Change Section 907.2.3 of the IBC to address manual fire alarm systems in Group E that activates the occupant notification system. Adds exceptions to compliance in Group E occupancies. For example, a manual fire alarm system is not required in Group E with an occupant load of 50 or less.

13 VAC 5-63-240 O: Changes Section 907.2.6.1 of the IBC addressing an automatic smoke detection system in Group I-1 occupancies. Adds an exception for when the facility is equipped throughout with an automatic sprinkler system. Adds an exception for exterior balconies.

13 VAC 5-63-240 (old O): Delete Section 908.7, 908.7.1 and 908.7.2 to the IBC addressing carbon monoxide alarms.

13 VAC 5-63-245 A: Deletes Section 1001.4 of the IBC.

13 VAC 5-63-245 B (IBC 1004.3): changed section number.

13 VAC 5-63-245 C: Changes the exception to section 1005.1 to Section 1005.3.1 of the IBC and deletes all of Section 1005.1 for minimum required egress width.

13 VAC 5-63-245 D: Changes the exception to Section 1005.3.2 of the IBC to include other than Group H and I-2 occupancies, the capacity of means of egress components other than stairways be calculated in buildings with an automatic sprinkler system. Deletes Section 1007.2 for continuity and components of each required accessible means of egress.

13 VAC 5-63-245 E; Deletes Section 1007.7, including the subsections, of the IBC for exterior area for assisted rescue.

13 VAC 5-63-245 H (IBC 1008.1.9.7): changed section number.

13 VAC 5-63-245 I (IBC 1008.1.10): deleted exception.

13 VAC 5-63-245 L: Updates section 109.4.2 to Section 1009.7.2 of the IBC for Exception 5.

13 VAC 5-63-245 M: Updates section 1009.7 to Section 1013.8 of the IBC for window sills in Groups R-2 and R-3, one and two-family and multiple family dwellings. Adds exceptions to include operable windows, windows with openings not to allow a 4-inch diameter sphere to pass through, openings provided with fall prevention devices, and windows provided with window opening control devices.

13 VAC 5-63-245 O: Change Exception 1 in Item 1 of Section 1015.1 of the IBC to include Group R-2 and R-3 occupancies equipped throughout with an automatic sprinkler system shall be permitted to have one means of egress.

13 VAC 5-63-245 Q: Deletes Sections 1015.6 and 1015.6.1 of the IBC.

13 VAC 5-63-245 R: Change Exception 2 of Section 1018.1 of the IBC which does not require a fire-resistance rating for corridors contained within a dwelling or sleeping unit in an occupancy in Group I-1 and Group R.

13 VAC 5-63-245 T; Adds an additional row to Table 1018.2 of the IBC and deletes Exception 7.

13 VAC 5-63-245 U: Changes the first row in Table 1021.2(2) to first story or basement, in occupancies A, B, E, F, M, U, S, with a maximum of 50 occupants per story, and a maximum exit access travel distance of 75 feet.

13 VAC 5-63-245 V: Updates section 1022.8 to Section 1022.9 of the IBC for floor identification signs.

13 VAC 5-63-245 W: Deletes Exception 2 for luminous egress path markings.

13 VAC 5-63-250 C; Change Section 1106.1 of the IBC and replace Table 1106.1 of the IBC with Tables 1106.1(1) and 1106.1(2). Section 1106.1 addresses accessible parking, where parking is provided, accessible parking spaces shall be provided in compliance with Tables 1106.1(1) and 1106.1(2).

13 VAC 5-63-250 E: Adds Section 1109.16 and 1109.16.1 to the IBC. Section 1109.16 addresses dwelling containing universal design features for accessibility and Section 1109.16.1 provides the standards for dwellings containing universal design features for accessibility.

13 VAC 5-63-260 A: Adds the following to the list of terms in Section 1202.1 of the IBC: Day-night average sound level (Ldn) and sound transmission class (STC) rating. Deletes the existing language used to define those terms.

13 VAC 5-63-264 A (1) (Exception 3): Clarifies the requirement that any grease duct serving a Type I hood installed in accordance with IMC is not required to have a motorized or gravity damper.

13 VAC 5-63-264 A (2): Clarifies that all recessed luminaires installed in the building thermal envelope all be IC-rated and labeled and sealed to limit air leakage between conditioned and unconditioned spaces. Recessed luminaires not in the thermal envelope are only to be required to be IC-rated. Changes the air leakage rated

13 VAC 5-63-264 A (3) (Exception 4): Adds the exception that any grease duct serving a Type I hood in accordance with IMC is not required to have a motorized or gravity damper.

13 VAC 5-63-264 A (4) (Exception): Replaces the word fixtures with luminaires.

13 VAC 5-63-264 A (5): Removes the wording that where the power for exterior lighting is supplied through the energy service to the building.

13 VAC 5-63-264 A (6): Deletes the entire section of R401.3 Certificate (Mandatory).

13 VAC 5-63-264 A (7) (Table R402.1.1): Changes the ceiling R-value of R-49 to R-38 for climate zone "4 except marine" to R-38. Changes the wood frame wall R-value of R-20 or R-13+5^h for climate zone "4 except marine" to R-15 or 13+1^h.

13 VAC 5-63-264 A (8) (Table 402.1.3): Changes the ceiling U-factor of 0.026 for climate zone "4 except marine" to 0.030. Changes the frame wall U-factor of 0.057 for climate zone "4 except marine" to 0.079.

13 VAC 5-63-264 A (9): Clarifies that if insulation with a lower R-value than is required shall satisfy the higher R-value requirement wherever the full height of that uncompressed insulation with a lower R-value extends over the wall top plates at the eaves can be installed over 100% of the ceiling area. Specifies the values of insulation required for attic hatches and doors. Further clarification added: Hinged vertical doors: R-5. Hatches/scuttle holes: insulated to a level of the surrounding surfaces. Pull down stairs: minimum of 75 percent of the panel area insulated with R-5 insulation.

13 VAC 5-63-264 A (10): Deletes R402.3.6 Replacement fenestration. Removes the word (Mandatory) from section R402.4. Adds the word (Mandatory) to section R402.1.1.1.

13 VAC 5-63-264 A (11) (Table R402.4.1.1): Change the "Criteria" to read "Criteria^{a,b}". Changes, for clarification, the first comment of the "Walls" component to read Cavities within corners and headers shall be insulated by completely filling the cavity with no less than R-3 per inch. Adds wording to clarify, the comments of the "Shower/tub on exterior walls" on how the insulation located on an exterior wall adjacent to showers and tubs shall be installed. Adds wording to the "Fireplace" component to include gasketed doors or tight-fitting dampers. Adds footnote "b" to read Structural integrity of headers shall be in accordance with the applicable code. Adds footnote "c" to read Air barriers used behind showers and tubs on exterior walls shall be of a permeable material that does not cause entrapment of moisture in the stud cavity.

13 VAC 5-63-264 A (12): Changes Section N1103.2.2 (R403.2.2) for Sealing (Mandatory) to delete building cavities used as ducts from the requirement.

13 VAC 5-63-264 A (13): Changes Section N1103.1.1 (R403.1.1) for Programmable thermostats to indicate that the programmable thermostat controlling the primary heating and cooling of the dwelling unit be capable of working on a daily schedule and no longer limits the requirements to forced air systems only.

13 VAC 5-63-264 A (14): Changes Section R403.2.2 for Sealing (Mandatory) to delete building cavities used as ducts from the requirement.

13 VAC 5-63-264 A (15): Changes Section R403.2.2.1 for Testing options. Clarifies that the post-construction test shall be determined by the total leakage that is less than or equal to 6 cfm/100 square feet across the entire system. Clarifies that the rough-in test shall be determined by the total leakage that is less than 5 cfm/100 square feet across the system. Addresses the case where the air handler has yet to be installed, in this case the total leakage shall be less than or equal to 5 cfm/100 square feet. Revises the exception to indicate that the total leakage test not be required for ducts and air handlers located entirely within the building thermal envelope.

13 VAC 5-63-264 A (16) Section number change.

13 VAC 5-63-264 A (17): Sealed air handler R403.2.2.3.

13 VAC 5-63-264 A (18): Changes Section R403.4.2 for hot water pipe insulation. This provision specifies the insulation required in a variety of circumstances related to the hot water piping.

13 VAC 5-63-264 A (19): Delete Table R403.4.2.

13 VAC 5-63-264 A (20): Changes Section R404.1 for Lighting equipment (Mandatory) to a minimum of 50% of the lamps in permanently installed luminaires be high-efficacy lamps. This is a reduction in the 2012 model codes that increased this requirement to 75%. There is an exception for low-voltage lighting. It shall not be required to utilize high-efficacy lamps.

13 VAC 5-63-264 A (21) Change to Table R405.5.2(1) for glazing and air exchange rate, adds footnote.

13 VAC 5-63-267: This section is being repealed since the requirement was moved to 13 VAC 5-63-245 M.

13 VAC 5-63-270 A: There are no substantive changes to this subsection. The amendments are to correlate with the language in the 2012 edition of the IBC, while keeping prior amendments to the IBC contained in the 2009 edition of the regulation.

13 VAC 5-63-295: This new section is to set out an amendment to the IBC to recognize that if a building design incorporates a concrete floor on the first floor, then the limitation of a maximum of 40 psf live load components in permitting the use of the wood design criteria does not apply, as obviously concrete floors are designed to carry much more weight than 40 psf live load.

13 VAC 5-63-300 B (2): Amends the National Electrical Code (NFPA 70) to permit exit lighting supplies to be connected to an electrical circuit closest to the door.

13 VAC -63-310 D (3), (4) and (5): Amends the IMC to permit residential-type electric stoves to be used in commercial buildings without the need of a commercial exhaust hood.

13 VAC 5-63-310 D (6) and (7): Modifies the IMC to permit water quality for cooling towers to be in accordance with the equipment manufacturer's recommendations. This is to safely permit the use of rainwater or other non-potable water sources in air-conditioning systems.

13 VAC 5-63-320: In general, this section sets out amendments to the IPC. New definitions are added in subdivisions B (1) and B (2) to identify terms used in new gray water, rainwater and reclaimed water provisions. Subdivisions B (5) and B (6) change the plumbing fixture table of the IPC to include outdoor swimming pools to correlate with the use of the International Swimming Pool and Spa Code (ISPSC), which requires toilet facilities to be provided for outdoor swimming pools. Subdivision B (7) establishes plumbing fixture requirements for marinas to correlate with requirements of the Virginia Department of Health. Subdivision B (8) adds an exception for the location of toilet facilities on properties used as cemeteries. Subdivision B (9) adds an exception to permit a lavatory (sink) to be outside of the toilet room in schools, to accommodate teacher supervision of hand-washing in kindergarten and elementary school classrooms. The remainder of the amendments to subsection B are to add new and updated requirements for the use of rainwater, gray water and reclaimed water as non-potable water uses. Subsections C and D make the same change to add outdoor swimming pools to the description of occupancies requiring toilet facilities as was made in the IPC to the IBC, since the IPC table is replicated in the IBC.

13 VAC 5-63-330 B: This amendment to the elevator chapter of the IBC is to correlate with requirements for fire service elevator keys established in the IFC, which permit the use of either a standardized key or the use of a lock box for a non-standardized key.

13 VAC 5-63-335: Adds a new section to amend the IBC to establish the use of the ISPSC for the technical requirements for the installation of swimming pools and spas.

13 VAC 5-63-350: This section of the regulation addressed existing buildings and contained provisions to be used for alterations, additions and change of occupancy to existing buildings as well as setting out special retrofit requirements for existing building when required by state law. All requirements in this section have been moved to Part II of the regulation, known as the Virginia Rehabilitation Code (VRC), so there remains a provision which deletes all of Chapter 34 of the IBC, as it is no longer used.

13 VAC 5-63-410 B: Changes the scope of the VRC to include mandatory requirements for the alteration and repair of buildings and for changes of occupancy in existing buildings, except for building in the Institutional grouping, where Part I of the regulation still applies. Also clarifies that the VRC may be used for alterations to residential buildings as an acceptable alternative to the use of Part I of the regulation.

13 VAC 5-63-420 D-H: Correlating provisions for the transition of the mandatory requirements for existing buildings from Part I of the regulation to the VRC.

13 VAC 5-63-445: Establishes a new section for the retrofit requirements based on state law, which were in Part I of the regulation and have now been moved to the VRC.

13 VAC 5-63-480 Q-U: Adds new provisions to Part III of the regulation, known as the Virginia Maintenance Code (VMC) to permit the use of third-party inspections and the establishment of a policy for such inspections by the local enforcing agency.

13 VAC 5-63-490 K: Expands an existing informational notation in the VMC to alert users to a provision of state law which may affect a locality's ability to require the demolition of an unsafe building.

13 VAC 5-63-500 A: Changes an existing requirement for the local appeals board to be required to meet annually to permit the locality to determine the interval necessary for meeting to assure a properly constituted board.

13 VAC 5-63-500 F: Add an allowance for a local appeals board which has monthly scheduled meetings to extend the time in which to hear an appeal to accommodate the monthly meeting schedule.

13 VAC 5-63-525: Removes language addressing occupant density from the VMC which is now in the International Property Maintenance Code, the model code incorporated by reference to be an enforceable part of the VMC.

13 VAC 5-63-530 D: Removes language addressing the maintenance of grease interceptors from the VMC which is now in the International Property Maintenance Code, the model code incorporated by reference to be an enforceable part of the VMC.

13 VAC 5-63-540 C and F: Adds language to permit the local enforcing agency to extend the time when air-conditioning or heat is required for several weeks when the weather circumstances permit.

Family impact

Assess the impact of this regulatory action on the institution of the family and family stability.

The proposed regulations do not have an impact on the institution of family and family stability.