

SUMMARY – USBC CODE CHANGES

DHCD WORKGROUP MEETING 2012 Code Change Cycle

October 11, 2013 at 9:30
Virginia Housing Center

Consensus Code Changes.

<u>Proposal</u>	<u>Description of Change</u>
USBC 103.10 (M. Redifer)	Revisions to this section address historic buildings, low E buildings and alterations. Next staff code change fixes energy issue. Consensus to deny
USBC 103.10 (DHCD staff)	Low E added. Consensus to approve
IBC 408.2	Short-term holding areas for courtrooms or local police stations. Consensus to approve
415.1.1 and 414.6.2	USBC 414 and 415 – UST – subgroup correlated building code with fire code and DEQ regs. Consensus to approve
USBC VCC IBC 903.2.6	Clarifies that sprinklers are exempted for exercise yards in I-3s. Consensus to approve
USB 1106.3	Outpatient clinic parking – requires 10% of parking spaces for these surgical centers and medical office building to be accessible parking spaces. To ensure that strip centers and offices at residences are not included, there are exceptions leaving those facilities to only comply with the less stringent accessible parking spaces (no changes). Supported by owners, building officials and the advocacy groups. There are increasing numbers of persons able to use these spaces. Consensus to approve
USBC IRC R602.10 and 602.12	Practical wall bracing – Continued improvement and prescriptive requirements to deal with the vast majority of homes built. Consensus to approve
USBC IRC R602.12.1 (3)	Fasteners for gypsum wall bracing spacing. Consensus to deny
USBC IRC R602.12.2	Clarifies language with gypsum on both sides. Consensus to deny
USBC IRC Table R602.12.4	Clarifies foot notes on wall bracing lengths (two proposals). Original is consensus to deny. Second proposal is consensus to approve as amended (adds “supporting stories above”).
USBC IECC R405.5.2	15% Glazing code change – Split issue, interior shade fraction only. Wasn’t opposed at the national level. Consensus to approve
USBC IECC R403.6	Energy efficiency of appliances – Manual J and S. Consensus to approve
USBC IRC M1401.3	Energy efficiency of appliances – Manual J and S. Consensus to approve
USBC VPC 608.16.10	Provides UL standard for new option on coffee machines backflow protection. Consensus to approve
USBC IBC 908.7	Carbon monoxide detectors – For E occupancies only, which doesn’t include supervision. Retrofit provision will not be considered (legislation required to change). Response to 2013 legislation. Supported by schools and code officials. Consensus to approve
USBC IBC 1008.1.9.7	Delayed egress locks – Amended with editorial fix to clarify application to airport A occupancies. Consensus to approve

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USBC IBC 1403.8	Air barriers are not currently referenced in the wall section, only vapor barriers are. This is a pointer to the IECC for the air barrier. Consensus to approve
USBC IRC R311.2.1	Accessible interior passage requires all openings and doors be a minimum 34 inches on main level. Virginia will be a leader for main floor accessibility. Consensus to approve
USBC IRC R403.1	Footing exemption for ramps under 30 inches. Many of these ramps are temporary and are prefabricated. Supported by designers, code officials and builders. Consensus to approve
USBC IRC R507	Deck change approved at national level. Short prescriptive method for owners and contractors. Consensus to approve
USBC IRC M1501.2	Transfer air same as IMC Consensus to approve
VCC 425.2	Site work for manufactured homes. Consensus to approve
13VAC5-95-20 (MHSR)	Site preparation, utility connection and skirting. Consensus to approve
USBC/SFPC 2306.7.1	Standard for installation for E-85 fuel dispensers. Consensus to approve
USBC/VADR	Generator fees – Casey Littlefield’s will move forward. Statewide uniform fee for these generators used to power rides with exemption for those self-grounded used for inflatable devices. Consensus to approve
USBC IBC 308	Number of residents needing assistance – Left out of proposed, new I-1 conditions 1 and 2. Just adding back into USBC what is already allowed. Consensus to approve as modified

Non-Consensus USBC Code Changes

<u>Proposal</u>	<u>Description of Change</u>
108.1 and 3411.9.5 (IEBC 410.1)	Accessible parking (restriping) Ken Fredgren (HJR648) – Involves two proposals, one from John Catlett (see next proposal) and one from Ken Fredgren. Ken does not endorse John’s proposal. Kenney Payne does not endorse John’s proposal. Ken F. discussed why he prefers his proposal. Concerns over rural areas, mom and pop locations, grade issues, zoning requirements, Ken’s code change uses non-IBC occupancy terms from ADA. Both are Non-consensus
108.1 and 3411.9.5 (IEBC 410.1, 410.8.15, 705.1)	Accessible parking (restriping) John Catlett (VBCOA Administrative Committee) – Same as above.
USBC Section 202 (903.2.1.2)	Nightclubs – A subgroup met on this and couldn’t come to an agreement. Staff suggests carry over to 2015. State currently inspects 30 to 40 nightclubs. Opposed by VHTA, VRMA and business community.
USBC VCC Table 307.1	Fireworks amounts (FSBCC) – Adds “permissible fireworks” to the table after consumer fireworks. AM to 125 nonsprinklered and 250 if sprinklered to be the retail sales limits suggested by TNT that supports. Unlike consumer fireworks, the permissible fireworks significantly limit combustible content and is used now available throughout the state in retail displays without problems or fires. Permissible fireworks are different in Virginia than consumer fireworks. DHCD, VBCOA and TNT ok? Fire officials oppose.
USBC VCC IBC 404.5	Smoke control clarification – IBC committee does not support. Understands the concept, but unnecessary clarification.
USBC VCC IBC 404.6	Atrium sprinklers exceptions – Exception 1 Changes type and how sprinkler heads are used.
USBC VCC IBC 404.6	Atrium sprinklers exceptions – Exception 3 – Same as above.
IBC 428	Laboratories – H use groups don’t give enough flexibility for material storage. Attempt was made to incorporate many requirements of NFPA 45 into a new

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	<p>section of the VCC (428). Contains lots of mechanical requirements. DGS is opposed, VPMIA and VBCOA are opposed. Fire officials, AIA, VT, UVA and W&M support. Problem is that this impacts more than just public universities, but private labs and E. Needs to be coordinated with IMC. Also, it does not address how to fight these fires at higher floor levels versus current control areas. Should be addressed on a national level. Need a more incremental approach. Claude pointed out that the proposal does exclude these from being an H use group. VBCOA IBC Committee does not believe it is ready for prime time. Conflicts with 907 requirements for alarms. Reference is made to steel walls and there was some confusion as to what that means. Requires curbing, but doesn't define how tall it has to be. Emory suggested Ken Payne and SFMO might consider doing an appendix for next 3 years while review continues. Will be moved forward as Non-consensus but encourages continued work for next cycle. Staff recommends carry-over to December 16th to give stakeholders additional time to bring forward fixes for possible interim solution. Problem is that this complex code change was not brought forward until July with 2 ad-hoc meetings in August and September; private sector research labs, E occupancies, building officials, design professionals, DGS and other colleges not involved. A lot of work has been done, but more is necessary. If this is a statewide problem, why isn't it being noticed by building officials and fire officials more often? VPMIA, VBCOA, VFPA ICC Region 7 and AIA need to ask ICC CTC to review for 2018 model codes. Non-consensus carry-over to December 16th.</p>
USBC VCC IBC 1604	<p>Adult education facilities – Adult education wants to delete so can use less structural loads, but universities oppose moving to lower occupancy category. Non-consensus Staff will carry-over to 2015 for further review.</p>
USBC IBC 1705.16, 16.1 and 16.2	<p>Third party risk category III – Special inspections required for fire stopping in rated assemblies. Questions whether the scope for special inspections is very low and staff is suggesting higher limits and amending for only requiring for some occupancies or occupant loads. Staff will carry-over to 2015 unless amended this cycle.</p>
USBC IECC R402.1.1	<p>Wall insulation R18 or R15+3 (VBCOA) Opposed by HBAV. VBCOA energy committee believes you can't add insulation later to walls and this is a better compromise. Steve Turchin proposes 18 or 15+3 as a compromise that he also provides how 2x6 framing could be used. Eric Lacey supports the full implementation of the 2012 requirements, but does view Steve's proposal as a reasonable compromise.</p>
USBC IECC R402.1.1	<p>Wall insulation R18 or R15+3 (RECA) – See above.</p>
USBC IECC R402.1.1	<p>Ceiling insulation R49 – Increasing from 38 to 49 only increases savings by 1%. Virginia law mandates health safety and welfare at the least possible cost. Eric Lacey supports full 2012 requirements. Their findings found an increased savings of 1.6%.</p>
USBC IECC R402.4.1.2.1	<p>Testing ducts and exterior barriers – VBCOA and HBAV supports retention of visual option for the 2012 cycle</p>
USBC IECC R402.3.6	<p>Replacement fenestration</p>
USBC IECC R403.4.2	<p>R-3 hot water piping insulation -- Restores what was previously taken out. VPMIA opposes.</p>
USBC IECC R404.1	<p>Reinstates 75% for high efficacy lamps/luminaries – DOE makes this irrelevant since incandescent bulbs will be phased out.</p>
USBC IECC R405.5.2	<p>Glazing code change – The 15% glazing area wants to delete trade-off.</p>
SFPC/VCC IBC/IFC 906.1	<p>Delete USBC amendments for 2012 IBC/IFC – Requiring extinguishers in sprinklered buildings. Worried about people staying in buildings instead of evacuating. Fire service read article about mobile home being saved by fire extinguisher use. Comment made that mobile homes weren't sprinklered.</p>

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	This deletes long time USBC trade-off for sprinklers.
SFPC/VCC IBC/IFC 906	Delete section 906 in the USBC because it's already in the fire code. Opposition to this by VA AIA, VBCOA and building owners. Comments made that there are issues that need to be reviewed at the USBC plan review process.
IBC 1008.1.9.8	Ed Altizer's sensor lock change – passed at national as amended. VBCOA has concerns that it is not fail safe. Carry-over for 2015.
USBC IRC R806	Attic ventilation – Need further review. Carry-over 2015.
USBC IRC M1503.4	Make-up air -- Deals with kitchen hoods. Same code change at ICC denied. VBCOA and VPMIA still have concerns.
USBC IRC G2411.1	CSST standard is now available. NFPA 54 committee still has questions. Code officials feel bonding is still necessary.
USBC IPC 607.2	Hot water pipe insulation
IWUIC	Urban interface code -- Same reasons as SFPC.
VCC, IRC E3902.2	Garage GFCI -- NEMA and VA-IAEI opposed. NEMA thought supporting statement was misleading. Staff will clarify that revised code change isn't indication of support by opponents.
VCC IRC	Habitable attic -- 1/3 of the floor area. HBAV will review. Compromise between entire 4 th floor and what was used in BOCA.