

## WABO TCD VOTING RECOMMENDATIONS Group B Cycle for the 2018 I-CODES

The suggestions contained in the WABO Recommendations (Final Vote) are the opinions of the WABO Technical Code Development Committee (TCDC) members who were in attendance at the TCDC meetings and ICC hearings and are being provided to you as recommendations only. Your vote counts. If all WABO members vote it will have a significant impact on the content of the 2018 I-Codes.

Cast your votes at <https://cdpaccess.com>

If you have questions on the voting process, contact any of the following:

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### **Key to abbreviations:**

ADM is the Administrative Committee

CE is the Commercial Energy Code Committee

RE is the Residential Energy Code Committee

F is the IBC Fire Safety Committee

RB is the IBC Residential Code Committee

EB is the International Existing Buildings Code Committee

S is the IBC Structural Code Committee

### Votes & Comments abbreviations:

PC=Public Comment

AS=Approve as submitted

AM=Approve as modified (by the code development committee)

AMPC=Approve as modified by the public comment

D=Disapprove

### Priority:

H=High priority

M=Medium priority

Detailed rules about voting procedures and code development are found in ICC Council Policy 28 (CP 28) <http://www.iccsafe.org/abouticc/Pages/policies.aspx>

**WABO TCD GROUP B VOTING RECOMMENDATIONS  
2018 I-CODES  
ADMINISTRATION**

ITEM #	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
ADM 31	IEBC exception for SFR/duplex & townhouses can use IRC	H	AS	This code change clarifies in the IEBC that either the IEBC or the IRC can be used for remodels or additions for buildings meeting IRC scoping provisions.
ADM 33	Added language in the IBC scope exception	H	AMPC	The public comment clarifies that the IRC or the IBC shall be used to remodel, add onto or build new IRC scoped buildings.
ADM 40	Adds "explosion" to the hazards intended to be addressed by the code	H	D	Proposed change would say the code addresses explosion hazards. This is not a hazard the code can or should address (how big an explosion?)
ADM52	Applies IEBC to IRC	H	D	There is no need to reference the IEBC from the IRC. The applicable provisions of the IEBC related to the IRC are already enforceable without having to reference them from the IRC.
ADM 55	Requires all policies be in writing.	H	D	Proposal is onerous as it requires all policies to be written and available to the public. No guidance as to criteria or timeline. BOs are already doing this when needed so there is no need to put it in the code.
ADM 77	Requires details for impervious barrier for decks when required to be protected by such barrier	H	AMPC	Getting details showing protection of balcony structure is important for inspectors. (See also ADM87-16.)
ADM 87	Protection for weather exposed balconies	H	AMPC	Where balcony structure is protected by a impervious moisture barrier, it can't be concealed until it's been inspected. This is to make sure it is installed correctly, to prevent deterioration of the structure. Proposed as a result of the Berkeley balcony collapse.
ADM 94 - ICC A117.1	Standards updates	H	AS	Increased wheelchair maneuvering spaces are needed to accommodate larger wheelchairs now in use.
ADM 94 - ASCE 7	Standards updates	H	AS	Update to 2016 version of ASCE 7. Updates include new tsunami-resistant design provisions, new seismic and wind maps. Controversy is over increased component and cladding loads in high wind/hurricane-prone regions.
ADM4 Part I	Deletes "AHJ" from definition of "approved" in IECC. WABO proposed the same thing last code cycle. IEBC & Pool are same as ADM5	M	AS	
ADM4 Part II	Deletes "AHJ" from definition of "approved" in IECC. WABO proposed the same thing last code cycle. IEBC & Pool are same as ADM5	M	AS	
ADM4 Part III	Deletes "AHJ" from definition of "approved" in IECC. WABO proposed the same thing last code cycle. IEBC & Pool are same as ADM5	M	AS	
ADM9 Part I	GBH re change of occupancy	M	AMPC x2	
ADM9 Part II	GBH re change of occupancy	M	AMPC x2	
ADM10	Adds back 'change in reqmts of code' to def of change of occ	M	AMPC	
ADM 50	Fire code vs IRC	M	D	
ADM88	Requires inspector to site code reference on correction notices	M	D	If this passes it will create a significant resource demand for most building departments. It is common for inspectors to respond to questions about code references when asked to but to have to write code chapter and section for all corrections is not reasonable or needed.

**WABO TCD GROUP B VOTING RECOMMENDATIONS**

**2018 I-CODES**

**COMMERCIAL ENERGY**

ITEM #	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
CE18	Allowing use of renewables to substitute for efficiency	H	D	The proposed text is not technically correct. Energy use and energy generation need to be treated separately.
CE43	2 additional efficiency options instead of one (like in WA code)	H	AS	The additional credit is a simple way to move forward with energy efficiency in buildings. The options provide a flexible, prescriptive approach using readily available products and methods. The option to calculate a 5% improvement allows a performance method.
CE105	Air Leakage Testing	H	AMPC	This change makes the IECC more consistent with the Washington state energy code by requiring air leakage testing.
CE114	Insulated rooms for open vented fuel-burning appliances (Both Part 1 & Part 2)	H	AS	The provisions for thermally isolating equipment rooms with openings to the outside air need to remain in the energy code.
CE176	Allows uncovered heated pools if heated with heat pump	H	D	The exception to swimming pool covers was intended to be narrow and include only pools heated by renewable sources
CE222	Metering, similar to WA code	H	AS	Metering is necessary to provide building owners and operators with the tools to assure the building performs as designed.
CE228	Plug load controls, similar to WA code	H	AS	Controlled receptacles are a simple cost effective way to reduce energy use.
CE232	Adds one credit to C406	H	AS	Same as CE 43, without the performance option.
CE37	Outcome-based compliance option. EUI numbers seem high, reqs post-occ enforcement, little/no enforcement mechanism so if it fails the bldg is bad forever. Cd have poor envelope with super mech & lighting which might be replaced with lower performing eqpmt later	M	No position	This is most likely the way to go in the future, but it might not be ready yet.
CE38	Revises compliance methods in part by elimination of "mandatory" designator.	M	AS	
CE51	Exempts greenhouses from compliance with IECC. Some concern about allowing accessory occs	M	AMPC	
CE73	C402.1.5 Component performance--corrects equations and other changes	M	AMPC	
CE232	2 additional efficiency options instead of one (like in WA code, sim to CE43)	M	AS	
CE251	5% cap on how much PV can be used to offset efficiency in performance path	M	AMPC	
CE287	Reroofing. How much insulation to add. Proposal says to add the amount of insulation compatible with available space and existing uses.	M	AMPC	
CE292	Upgrades in change of occupancy.	M	AS	

**WABO TCD GROUP B VOTING RECOMMENDATIONS**

**2018 I-CODES**

**RESIDENTIAL ENERGY**

ITEM #	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
RE92	Allows open vented fuel-burning appliances in uninsulated rooms	H	D	The energy code needs to address use of open combustion appliances, by requiring a thermally isolated room, to prevent high air changes and save energy.
RE137	Use 30-year life for performance path tradeoff calculation, in place of annual energy	H	AS	The energy code needs a standard method to determine the cost effectiveness of code requirements.
RE130	Includes dwelling unit lighting in performance path	H	D	This change adds a loophole to the code performance method and results in a roll back in energy efficiency.
RE134	Allows envelope efficiency to be traded off against HVAC and water heating equip	H	D	This change as modified by the committee is a significant step backwards in energy efficiency. The code should not allow credit for exceeding federal minimums in equipment efficiency as that is already standard practice.
RE146	Sets "standard reference design" glazing area at 15%, instead of "as modeled"	H	D	The standard design should match the design as proposed for glazing areas less than 15 % to maintain the current level of energy efficiency.
RE179	Additional energy credits, similar to WA code	H	AS	This change allows multiple options to improve energy efficiency and move the code forward.
RE23	Clarifies mass wall and slab edge insulation requirements	M	AS	
ADM42	(Part 1 & Part 2 - NAHB) Changes purpose statement from "effective" to "net energy"	M	D	
ADM46	(Part 1 & Part 2 - NAHB) Allows "above code programs" to not meet mandatory req's	M	D	
ADM45	(Part 1 & Part 2 - NAHB) Deletes "over useful life of building" from purpose statement	M	D	

**WABO TCD GROUP B VOTING RECOMMENDATIONS  
2018 I-CODES  
FIRE**

ITEM #	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
F7	Candles & other flames in dorms	H	D	Proposal would technically ban birthday cake candles throughout dorms, including common areas or kitchens in dorms. Current code only bans them in sleeping units.
F29	Crowd managers	H	D	Overly restrictive. Reduces trigger for crowd managers from 1000 to 500 occupants.
F79	Reqs 2 hr protection for generator fuel lines	H	AMPC	
F89 Part I	PV Panel Rapid Shutdown, consistent with NEC	H	D	Voting D keeps IFC consistent with IRC. There are already signage requirements in the NEC and it will be a problem if one code changes and the other does not.
F89 Part II		H	D	To avoid potential for conflicts between the IRC and the NEC we should keep electrical requirements in the NEC. Committee got it right.
F 157	Sprinkler threshold for E occupancies	H	AMPC	Brings sprinkler trigger for E occupancies closer to WA State code.
F366	Med Gas	H	AMPC	WABO TCD was successful in getting the construction provisions for medical gas installations into the 2018 IBC during the Group A session. This change is necessary to coordinate the IFC with the changes WABO made to the IBC in Group A (in 2015) and provides cross-reference between the codes.
F213	Clarifies what capability for visible alarms means	M	AMPC	
F338	marijuana processing & extraction	M	AMPC	
F340	Education labs	M	No Position	
F 386	Mobile fueling (Uber for gas)	M	No Position	

**WABO TCD GROUP B VOTING RECOMMENDATIONS  
2018 I-CODES  
IRC BUILDING**

ITEM #	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
RB 17	Seismic maps (ASCE 7-16)	H	AS	Adopts seismic maps related to ASCE 7-16 for IRC. Need to stay consistent with wind loads in IBC.
RB 27	Seattle proposal re deck loads	H	AMPC	60 psf deck/balcony live load. Consistent with ASCE 7, WA State code.
RB36	Adds section "Unprotected exterior wall coverings shall not project more than 4 inches (102 mm) into the minimum fire separation distance." What is "unprotected wall covering"? Why allow this for unprotected but not for protected?	H	D	If RB36 is approved the fire separation distance would be measured from the face of the foundation wall. This is problematic when appendices extend beyond the face of the foundation. In the next Group B cycle, TCD should submit our State amendment which says "...measured from the foundation wall or face of the wall framing, whichever is closer...".
RB 79	glazing adjacent to doors	H	AMPC	Clarifies when safety glazing is required near a door.
RB 81	Glass balusters	H	AS	RB81 makes IRC glass guardrail design consistent with IBC Section 2407.1.2 as approved in S295-16. Requires top rail or laminated glass for guardrails. Both are already in the State Building Code (residential and building codes).
RB 211	Requires inspector to site code reference on correction notices	H	AMPC	Prescriptive deck guard details, consistent with guard load requirements.
RB304	lap siding installed per manufacturer's instructions	H	AS	Flashing strips behind the butt joints of fiber-cement lap siding rather than caulking the joints is preferred by most manufacturers.
RB 29	Projections. Overhang protection	M	D	
RB51	Allows stacked duplexes only if sprinklered. Inconsistent with IRC reqmt for sprinklers in all dwellings.	M	D	
RB 129	Move sprinklers in IRC to appendix	M	D	
RB 168	Tiny House appendix	M	No position	

WABO TCD GROUP B VOTING  
RECOMMENDATIONS 2018 I-  
CODES STRUCTURAL

ITEM#	SUBJECT	TCD PRIORITY	TCD RECOMMENDATION	TCD RATIONALE
S95	Photovoltaic panels: roof live load	M	AMPC	