



# International Code Council

## TENTH COMMITTEE MEETING MINUTES

### Off-Site Construction Mechanical, Electrical and Plumbing Standard Consensus Committee (IS-OSMEP)

(pending committee approval)

The tenth meeting of the ICC Off-Site Construction Mechanical, Electrical and Plumbing Standard Consensus Committee (IS-OSMEP) was convened on August 10, 2022 to continue the process of developing the new ICC 1210 standard. The teleconference meeting was conducted through Webex.

#### 1. Meeting Opening

- a. Opening remarks, objective of the meeting, and housekeeping:

*Director of Standards and Staff Secretariat, Karl Aittaniemi called the meeting to order at 12:05 pm CT and welcomed all committee members and ICC staff. Committee meetings are open to the public in accordance with ICC policy. All meeting participants were urged to read the ICC Code of Ethics and section 5.1.10 Representation of Interests in Council Policy #7 in the spirit of code of conduct. Also new CP #50 Anti-Trust provisions which discuss the avoidance of discussing pricing and marketing strategies. These documents are on ICC's website under Corporate Governance. ICC advocates commitment to a standard of professional behavior that exemplifies the highest ideals and principles of ethical conduct which include integrity, honesty, and fairness. As part of this commitment it is expected that participants shall act with courtesy, competence and respect for others.*

- b. Quorum and membership review:

*Mr. Aittaniemi called the roll of the IS-OSMEP with the following members registering attendance. Mr. Aittaniemi noted that 6 of 11 committee members is required for a quorum in order to conduct business which was exceeded for the meeting.*

NAME	2022 IS-OSMEP COMMITTEE MEETING			
	#8 06/15/22	#8 07/06/22	#9 07/27/22	#10 08/10/22
Amit Ghosh [h]		X	X	
Jon Hannah-Spacagna [d]		X	X	X
Christopher Jensen [c]	X	X	X	X
Kevin Kalakay [h]		X	X	X
Lawrence Kotewa [d]	X	X	X	
Kimberly Llewellyn [a]		X		X
Andie Lorenz [h]				
James Morse [b]	X	X	X	X
Shanti Pless [c]			X	X
Ralph Tavares [d]		X	X	X
Jeremy Zeedyk [b]				
<b>TOTAL</b>	3/11	8/11	8/11	7/11

- c. The agenda was approved for the meeting.
- d. The minutes of the previous meeting were approved.

2. Initial draft development:

*After a staff review of the document for enforceable terminology, the committee collectively reviewed, commented and proposed edits to the document which will become the initial draft.*

*Mr. Pless addressed the committee to discuss suggested content for sections involving energy conservation. The following items were considered and voted on by the committee with the following committee action:*

1. Tapered roof insulation. We should clarify the calculation that uses the average thickness of sloped roof insulation is an average across the full building roof area, and not the average calculated separately for each individual module.

Mr. Aittaniemi edited for inclusion as section 306.4 subject to public review.

2. Underfloor ventilation definition for a volumetric modular single story building on a footing/slab/structure: The code for underfloor ventilation is based in the building code (section 1202.4) and referenced in the mechanical code (section 406) and is intended for serviceable crawl spaces under framed floors. In volumetric modules, often the floor of the module is more or less sitting on the ground with a negligible space under the module floor framing. However, current code doesn't recognize any distinction between this space under a module vs underfloor ventilation. Mechanically ventilating that nominal space is a waste of energy and an unnecessary complexity. As long as a good vapor barrier is used on that ground surface and the module floor system is effectively insulated and air sealed there is little to no risk to that cavity being unvented.

Committee Action: Disapproved unanimously

3. 2021 IMC allows dual-hoods for ventilation/exhaust systems (combine ventilation intake and exhaust) in 401.4.3, but the 2021 IRC doesn't have any new language for that technology that combines intake and exhaust using an engineered dual flow hood shown to meet cross contamination requirements. Addressing this in the modular energy/mechanical code enables modular projects more easily integrate a complete ERV and associated air distribution system into the modular factory installed mechanical system, which often struggles to locate a separated ventilation intake from the general exhaust with the minimal exterior envelope available. This simplifies duct work, eliminating central air distribution systems, and reduces the number of envelope penetrations needed while providing unitized and compartmentalized mechanically filtered ventilation air.

Committee Action: Disapproved unanimously

4. This one has to do with hot water distribution. For modular bathroom pods in particular, and in bathrooms in a modular patient room or in a modular hotel room, some modular engineering teams have had to classify these bathrooms as “public” bathrooms. This means the central hot water recirc system piping has to be brought within a few feet of the fixtures in the bathroom – significantly complicating hot water distribution design in the modular unit and in the connections to be made on site. IF we can explicitly define these bathrooms in modular hotel rooms and healthcare patient rooms as non “Public”, than the central hot water recirculation system does not have to run into the wall of each bathroom pod, simplifying the design and construction/on site connection process significantly with minimal additional hot water use.

Committee Action: For further consideration. Approved adding definition as per 2021 IBC unanimously.

*A motion was made by Ms. Llewellyn and seconded by Mr. Ghosh to declare the current draft of the standard to be the Initial Draft and ready for posting of a 30-day public review period. The motion passed unanimously.*

3. Next Meeting: Tentatively scheduled for Sept 28, 2022. The meeting invite and public notice will be posted at least two weeks prior to the meeting date. *The agenda will posted on the committee webpage prior to the meeting.*

4. Other Business:  
None

5. Action Items & Adjournment

*The action items from the meeting were summarized as follows:*

<i>Review initial draft for code language and formatting.</i>	<i>Karl Aittaniemi</i>
<i>Post for 30-day public review period within two weeks.</i>	

*With no other questions or comments before the committee Mr. Jensen adjourned the meeting at 2:06 pm CT.*