

**ICC 815 Sizing Water Distribution, Drainage and
Venting Standard Consensus Committee (IS-SWDDV)**

Meeting 24 - Minutes

February 18, 2025

Chair: Gary Klein

Vice Chair: Philip Parisi

Secretariat- Ramiro Mata

Meeting 24 of the ICC 815 Sizing Water Distribution, Drainage and Venting Standard Consensus Committee (IS-SWDDV) was held virtually on February 18, 2025. The meeting was conducted in accordance with ICC’s Consensus Procedures. https://www.iccsafe.org/wp-content/uploads/ICC-Consensus-Procedures-ANSI-approved-8_2_21-BOD-apprvd-8_27_21.pdf

1. Welcome – Chairman, Gary Klein, convened the meeting and welcomed attendees at 2:06pm EST (11:06am PST) along with Staff Secretariat, Ramiro Mata. Mata reminded attendees about the ICC Code of Ethics and the Anti-Trust Policy, both of which can be found on the ICC 815 (IS-SWDDV) webpage.
2. Roll Call – Klein called the meeting to order with a roll call of ICC 815 (IS-SWDDV) committee members – Symbol indicates present, indicates absent.

Committee Members

Regulator		User		Manufacturer		Builder	
<input type="checkbox"/>	Jim Richardson	<input checked="" type="checkbox"/>	Esber Andiroglu PhD, PE	<input checked="" type="checkbox"/>	Marcus Elmer	<input checked="" type="checkbox"/>	Dan Buuck
<input type="checkbox"/>	Richard Grace	<input checked="" type="checkbox"/>	Gary Klein	<input checked="" type="checkbox"/>	Dave Parney		
<input checked="" type="checkbox"/>	Terry Haughn	<input checked="" type="checkbox"/>	John Lansing	<input type="checkbox"/>	Lance MacNevin PE	Consumer	
<input checked="" type="checkbox"/>	Ross Wakefield	<input checked="" type="checkbox"/>	Philip Parisi Jr. PE	<input type="checkbox"/>	Kyle Thompson PE	<input checked="" type="checkbox"/>	Tim Keane
		<input checked="" type="checkbox"/>	Tom Wise			SDO/Test Lab	
						<input type="checkbox"/>	Kathryn (Katie) Foster

ICC Staff – Tom Roberts

Interested Parties and Guests –Frank Schmidt, Dan Cole, Rich Houle, Natascha Milesi-Ferretti, David Nickelson, Adam Smith, Lavanya Muttayan, Steven Buchberger, Andres Lorenz, Drew Rich

3. Quorum and Membership Review - With eleven committee members in attendance, Mata announced the threshold for quorum was met.
4. Approval of meeting minutes from January 21, 2025 – Motion by Lansing, seconded by Wise. Motion carried.
5. Approval of February 18, 2025 Meeting Agenda – Motion by Lansing, seconded Andiroglu. Motion carried.
6. Discussion Items
 - a. Project Scope

- i. The committee reviewed the ANSI submittal as a basis which state ‘...for residential, mixed-use and institutional occupancies.
 - ii. Discussion on redefining building classifications based on usage patterns rather than traditional ICC categories like residential, mixed use, and institutional.
 - b. Gantt Chart
 - i. Mata presented a Gantt chart outlining the committee's timeline and goals, including working group draft completion dates and the overall standard development process.
 - ii. The initial draft for the whole standard should be completed by August 2025, with the final draft due in December 2025.
 - iii. The committee is expected to approve the final draft by March 2026 of the followed by formatting and submission to ANSI for public review.
 - c. Definition of Failure
 - i. The committee briefly reviewed the previously discussed list of potential failure modes for various systems.
 - ii. No additions or revisions were suggested, indicating that the current list remains satisfactory.
- 7. Working Groups – Meeting Updates and Work Plans
 - a. Measurement – Lansing
 - i. Reported on the measurement group's efforts to secure a building for data collection, facing challenges in finding a suitable location.
 - ii. Strategies include reaching out to local American Society of Plumbing Engineers groups and potentially making announcements through SB Pipeline.
 - iii. There is interest in buildings with existing data similar to one in New York, especially for water supply, though drainage data remains a significant challenge.
 - b. DWV – Lansing
 - i. Lansing will be sending out a general outline to the group and delegating items to different members to help expand their upcoming draft. Discussion on peak flow, high flow, and minimum flow concepts took place.
 - c. Water Service – Wise
 - i. The water supply/service working group, has resolved the content page for their document and began to populate sections with high-level notes and preparing text.
 - d. IEP – MacNevin – Mata reported that database development for the project has been approved by ICC's IT group, and that they in the process of hiring additional staff to work on it.
- 8. Research Update – Andiroglu/Rich
 - a. Andiroglu provided an update on the research progress, mentioning access to Aquacraft data and integration into their framework. Estimated that approximately 25% of the data has been processed so far.
 - b. Rich shared insights from a presentation by Flume, a company collecting indoor water consumption data at 5-second intervals.

- i. Data showed significant variations in consumption patterns and total usage across different metropolitan areas in the US.
 - ii. This information supports the notion that water consumption patterns can vary considerably even within the same country.
 - iii. There is a possibility of partnering with Flume to collect data from buildings, particularly if a sub-metered apartment building in South Florida could participate in a study.
 - c. Andiroglu announced the upcoming CIB W062 conference in Miami from August 24-27, encouraged attendees to participate and noted that registration would be opening soon.
9. Action Items
 - a. Develop initial draft of scope – **Committee Members and Interested Parties**
 - b. Follow up with Phil Parisi regarding initial data collection at SVEN building in New York City – Mata – Completed. Parisi reported that the marked-up drawings is being reviewed by the owners. He will provide a follow up at the next committee meeting.
 - c. Review potential failure modes and revise if needed - Committee Members and Interested Parties – Complete. The committee is satisfied with the list of failure modes. No additional comments were received.
 - d. Assist Lansing to schedule next meetings for Measurement and DWV working groups – Mata. Completed. Meetings were held on February 11th and 13th.
10. New Action Items
 - a. Send out the initial ANSI scope document to committee members for markup, including the items put in chat by Wakefield, Schmidt and Lansing, to help decide how the scope should look - **Mata**
 - b. Send out a general outline of the drainage standard draft to the DWV working group members for delegating items - **Lansing**
 - c. Follow up with building owner regarding marked up riser and data reports for the SVEN facility - **Parisi**
11. New Business
12. Old Business
13. Next Meeting – March 17, 2025, at 2pm-4:30pm Eastern. Virtual format.
14. Adjournment – Motion to adjourn by Lansing, seconded by Parisi. Motion carried. Meeting adjourned at 3:31pm EST (12:31pm PST)