



International Code Council Solar Rating & Certification Corporation

COMMITTEE MEETING MINUTES SOLAR THERMAL STANDARD CONSENSUS COMMITTEE ([IS-STSC](#))

A meeting of the ICC Solar Thermal Standard Consensus Committee (IS-STSC) was convened on November 21, 2024 to continue work on revisions to standard *ICC900/SRCC 300 Solar Thermal System Standard*. The meeting and project was conducted in accordance with [ICC's ANSI-approved standard development procedures](#).

1. Meeting Opening

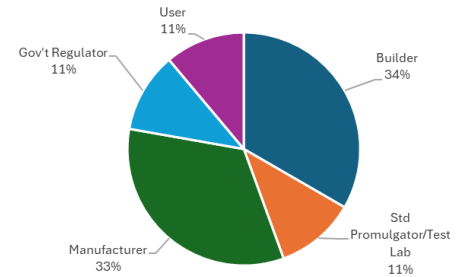
a) Welcome & Roll Call

Staff secretariat, Shawn Martin, welcomed the attendees and convened the meeting at 4:05 PM EDT.

b) Quorum and Membership Review

Martin called the roll of IS-STSC members with attendance recorded below.

Martin indicated that with 5/8 committee members present, the threshold of 5 for quorum had NOT been met. He reported that presently the committee was balanced, per ICC's standard development procedures. All attendees are listed below.



NAME	4/17	5/15	5/29	6/26	8/16	11/21				
Adam Chrisman [B]	x	x		x		x				
Robert Grady [C]	x	x	x	x	x	x				
Jason Hall [A]		x			x					
Kevin Kalakay [H]	x	x				x				
Mitchell Ramseur [D]	x	x	x							
Al Rich [B] (vacated)		x				-				
Richard Horton [A]										
Henry Vandermark [B]	x	x	x	x	x	x				
Austin Zeller [A]	x		x	x	x	x				
TOTAL	6	7	4	4	4	5				
QUORUM	5	5	5	9	8	8				
Steve Harrison (QSBRI)				x		x				
Larry Kidd (Rheem)				x		x				
Chris Mobley (UL)					x					
Jeff Kleiss (Lochinvar)										
James Richards (SunBank)				x	x	x				
Joe Cain										
Isai Ayala (SRCC)	x	x	x	x	x	x				
Brendan Dermody					x					

c) Previous Meeting Minutes Review and Approval

Martin noted that while there were several working group meetings to review and revise the working draft of the 900 standard, there had been no official meeting of the IS-STSC with quorum since 8/16. Martin requested any comments or changes for the minutes of the meeting conducted 8/16 and distributed to the committee shortly after. Chrisman made a motion to approve, seconded by Kalakay. Motion was approved unanimously.

d) Agenda Review and Approval

Martin reviewed the draft meeting agenda for the 11/21 meeting and requested feedback and comments. None were provided.

2. Discussion of ICC 900/SRCC 300 Working Draft

Martin updated the committee on the status of the working draft. He noted that the working group calls held throughout the Summer and Fall had been completed, resulting in the draft sent to the committee prior to the meeting. Participants were invited to raise any questions or concerns requiring additional discussion.

Martin noted that questions had arisen regarding the definition of a PV water heater as reflected in the draft. He noted that while the committee had discussed the concept of prioritizing the use of the electricity from PV modules in a PV water heater for the purpose of heating the water, that concept was not reflected in the language of the standard. Martin reviewed the verbiage for "Photovoltaic Water Heater" and "Photovoltaic Solar Water Heating Collector" with the committee.

In the discussion that followed, the group reviewed whether a home with a PV system supplying power to the main panel that also has an electric water heater connected to the panel can be considered a solar water heater. The unanimous view was that such a system should not be considered a solar water heater and would be outside the scope of this standard. The group then discussed different ways to delineate what constitutes a PV water heater. In the end, the consensus was that a PV water heater, included in the standard, must be directly connected to the electric water heater and must supply PV power to the electric water heater alone. The group did discuss whether the nature of that electric water heater and agreed that either electrical resistance or heat pump units were acceptable. But they also agreed that the tank used in a PV water heater must be listed and may not be field modified or used in any way that invalidates the tank listing. Martin took the action item to reflect the committee's decision in the text of the working draft and share the result with the group.

The chair then called for any comments or discussion regarding the working draft. Hearing none, he made a motion to approve the working draft for the first public comment. The motion was seconded by Zeller. In the discussion that followed, Martin was asked how the comment process would work. Martin explained that staff was recommending that the entire document be released for public comment since there had been a fair number of revisions and reorganization of the text. Per ICC's ANSI standard procedures, the document would be put out for a 45-day period, during which anyone (including committee members) may submit a comment using the supplied form. The comment period would commence when announced in an edition of the ANSI Standards Action. After that period ends, the IS-STSC would be responsible for adjudicating each qualifying comment received individually. Each comment must be specific in nature, providing the change that the commenter wishes to propose (addition, amendment or deletion of text), along with a reason statement for the change. The IS-STSC will then meet to review each comment individually, voting to either Approve As Submitted, Approve As Modified or Disapprove. In the latter two cases, the committee must provide a substantive technical reason for the amendment or disapproval. The outcome of each public comment must then be supplied to the commenter, providing them with options for appeal if they wish. Following the resolution of the comments, any changes made to the document (as a result of comments or separately) must be released again for another public comment period. At that stage, only the text that changed since the last draft would be subject to comment. That comment period would last 30 days. The committee would adjudicate any comments and repeat. This continues until there are no further changes and the committee conducts a successful final ballot to approve the document for publication.

Following the discussion, the committee voted to approve the motion to release the public comment draft. Martin indicated that since there would be a delay in the start of the comment period (as explained above), it would likely end sometime in January. Updates to follow.

3. Other Business

Martin noted that the ICC 903/SRCC 500 -2024 standard has been published and that IS-STSC committee members would be receiving a hardcopy in the mail. At the same time, he reported that it had been noted that the standard references the 2020 NEC, rather than the 2023 version referenced in the latest I-Codes. This is likely due to the fact that standard was approved by the committee in late 2023, prior to the release of the 2024 I-Codes. Regardless, he indicated that ICC standards staff was recommending that the reference be updated to the 2023 NEC, for consistency with the ICC's other codes and standards. Martin reported that it might be possible to do this editorially if the committee was willing but wanted feedback.

During the discussion that followed, Chrisman mentioned that there were several small items that he thought could also be improved in the 903 standard, now that the group has included it in the latest working draft of the 900 standard. He asked about the possibility of reopening the standard for a few small revisions. Martin responded that if the desire was to have the new 900 standard reference a slightly revised 903 standard, it should be done as soon as possible. And the NEC reference could be updated at the same time. While standards must be either revised or reaffirmed every 5 years per ANSI, there is nothing to prevent revisions sooner than that. Vandermark expressed support for time to further examine the impact of a change to the NEC edition. Based on this, Martin agreed to discuss reopening the 903 standard for a few minor revisions with ICC standards staff. He also noted that the committee would need to revise the 901 standard for solar thermal collectors in 2025 too, so he would discuss the timing of that with ICC standards staff at the same time.

With the impending public review, Martin asked whether any other meetings of the IS-STSC should be held in December. Chrisman expressed support for a call in December to talk about the specific changes to 903 that the members might want to make, to keep the process moving. Martin was tasked with scheduling the call, likely the second week in December.

4. Action Items & Adjournment

The action items from the meeting were summarized as follows:

Martin to coordinate with Chair and Vice Chair to schedule next meeting to discuss potential revisions to ICC 903/SRCC 500-2024.	Shawn Martin w./ Chair/Vice
Martin to update text in working draft of the 900 document to reflect the discussion on PV water heaters.	Martin
Martin to discuss reopening ICC 901/SRCC 100 and ICC 903/SRCC 500 for revision with ICC standards staff.	Martin

The meeting was adjourned at 5:10 PM EST.