

DOCKETED	
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Project Title:	Flexible Demand Appliance Standards for Low-Voltage Thermostats
TN #:	265619
Document Title:	Invitation to Participate – Thermostat Performance Test Procedure Working Group
Description:	First Working Group Meeting – October 1, 2025 (Invitation to participate in the development of a thermostat performance test procedure under the proposed Flexible Demand Appliance Standards).
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CALIFORNIA ENERGY COMMISSION

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CEC-057 (Revised 1/21)



Invitation to Participate (ITP)

Flexible Demand Appliance Standards for Thermostat Performance Test Procedure

Docket 24-FDAS-03

The California Energy Commission (CEC) invites thermostat manufacturers, test laboratories, software providers, researchers, and other industry stakeholders to participate in a **working group** to support the development of a performance test procedure for thermostats subject to upcoming proposed Flexible Demand Appliance Standards (FDAS). These regulations will aim to ensure thermostats used for electric space-conditioning appliances can shift load to enhance grid reliability and avoid greenhouse gas emissions (GHGs) while preserving consumer control and cybersecurity protocol compliance.

CEC staff is launching this collaborative workgroup to define and refine the technical elements of the test procedure that will underpin product certification and enforcement.

Purpose and Topics for Discussion

The goal of the workgroup is to develop a draft performance test procedure that evaluates:

- Connectivity: including static and dynamic data retrieval via Application Programming Interface (API) and Over the Air
- Memory Integrity: retention of datasets during power loss and connectivity lapses
- Load Flexibility: ability to generate schedules and adjust temperature setpoints based on GHG or pricing signals
- User Interaction: interface behavior for updates, overrides, and demand response status
- Timekeeping: real-time clock reliability and resilience
- Consumer Choice: opt-out and override functionality
- Cybersecurity: compliance with CEC cybersecurity requirements and data security handling

Workgroup General Structure

Meetings will be held bi-weekly in a hybrid format with the capability to join remotely via virtual platforms, with an option to change the frequency as needed.

Communication will occur primarily through email and collaborative online workspaces.

Participation is open to all interested parties; however, we ask that attendees submit an advance request to help us plan for an effective and well-organized discussion.

The first two-hour meeting is scheduled to begin at 10:00 AM PT, October 1, 2025, at the California Natural Resources Agency Building (715 P St, Sacramento, CA 95814), with both in-person attendance and a remote option for those unable to attend in person. Meeting details and an agenda will be provided to confirmed participants.

The CEC encourages an open and solution-oriented environment. While no formal transcripts will be produced, key materials and written input may be shared within the group and made available to the public, consistent with the California Public Records Act (Government Code Sections 7920-7931).

Request to Participate

To participate in the workgroup for Thermostat Performance Test Procedure please email Flexible Demand Appliance Standards - flexdemandstandards@energy.ca.gov with the subject line "Thermostat Performance Test Procedure Workgroup Request" and include your field and topics of interest. The deadline for requesting to participate is September 15, 2025. The CEC will continue to accept participants after the deadline. However, there may be a delay for additional requests to be reviewed, and interested stakeholders and members of the public may miss a few meetings as a result.

If you have questions on the subject matter of this ITP, please contact Flexible Demand Appliance Standards - flexdemandstandards@energy.ca.gov.

Public Advisor

The CEC's Public Advisor assists the public with participation in CEC proceedings. To request assistance, interpreting services, or reasonable modifications and your comment accommodations contact the Public Advisor at publicadvisor@energy.ca.gov or by phone at (916) 957-7910. Requests should be made as soon as possible but at least five days in advance. The CEC will work diligently to meet all requests regarding availability.

Media

Direct media inquiries to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

Availability of Documents

All formal records for this proceeding will be accessible in the Flexible Demand Appliances Standard for Thermostats at docket 24-FDAS-03, <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=24-FDAS-03>. When new information is posted, an email will be sent to those on the Flexible Demand Appliances Proceeding subscription list. To receive these notices, subscribe to the

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