

**2030.5 Ecosystem Steering Committee
Industry Connections Activity Initiation Document (ICAID)**

Version: 1.0, 9 November 2020

IC20-028-01 Approved by IESS SMDC 18 December 2020

Instructions

- Instructions on how to fill out this form are shown in red. It is recommended to leave the instructions in the final document and simply add the requested information where indicated.
- **Shaded Text** indicates a placeholder that should be replaced with information specific to this ICAID, and the shading removed.
- Completed forms, in Word format, or any questions should be sent to the IEEE Standards Association (IEEE SA) Industry Connections Committee (ICCom) Administrator at the following address: industryconnections@ieee.org.
- The version number above, along with the date, may be used by the submitter to distinguish successive updates of this document. A separate, unique Industry Connections (IC) Activity Number will be assigned when the document is submitted to the ICCom Administrator.

1. Contact

Provide the name and contact information of the primary contact person for this IC activity. Affiliation is any entity that provides the person financial or other substantive support, for which the person may feel an obligation. If necessary, a second/alternate contact person's information may also be provided.

Name: Tom Tansy

Email Address: tom@sunspec.org

Employer: SunSpec Alliance

Affiliation: SunSpec Alliance

IEEE collects personal data on this form, which is made publicly available, to allow communication by materially interested parties and with Activity Oversight Committee and Activity officers who are responsible for IEEE work items.

2. Participation and Voting Model

Specify whether this activity will be entity-based (participants are entities, which may have multiple representatives, one-entity-one-vote), or individual-based (participants represent themselves, one-person-one-vote).

Entity-Based

3. Purpose

3.1 Motivation and Goal

Briefly explain the context and motivation for starting this IC activity, and the overall purpose or goal to be accomplished.

To effectively advance the ease of integration (the process to achieve interoperability) of distributed energy resources (DER, including responsive generation, storage, and load) into the electric system, an ecosystem of organizations need to be aligned not only on technical standards, but the profile of

standards choices that are tested and certified to make this integration occur simply and reliable. In addition, the encouragement of a business and economic regulatory policy environment that aligns technology solutions with realizable business value propositions is important for driving the need to simplify integration and advance future work on standardization and testing. This effort intends to engage the ecosystem of organizations interested in promoting the IEEE 2030.5 standard and the related areas that will provide visibility and advance interoperability for DER integration.

The activity of this group will focus on the development of a roadmap that outlines activities to advance the interoperability dimensions related to DER integration starting with the present state of the 2030.5 standard, supporting material, and related efforts.

3.2 Related Work

Provide a brief comparison of this activity to existing, related efforts or standards of which you are aware (industry associations, consortia, standardization activities, etc.).

This activity is related to the IEEE 2030.5 standards working group's efforts that define and maintain that standard. It intends to review the status of that work and help prioritize future standards activity as well as the related activities to serve the 2030.5 ecosystem. Work products from this effort will be used to facilitate the implementation and maintenance of the interoperability roadmap that was developed in the IEEE 2030.5 Ecosystem Steering Committee ICAID initiative that preceded this effort.

3.3 Previously Published Material

Provide a list of any known previously published material intended for inclusion in the proposed deliverables of this activity.

The deliverables will make reference to the 2030.5 standard and refer to material developed or being developed by others for testing and certification to this standard as driven by the marketplace.

3.4 Potential Markets Served

Indicate the main beneficiaries of this work, and what the potential impact might be.

The beneficiaries of this work include the 2030.5 standards working group, the consortium that exist or are emerging around the integration of DER and EVs, governmental agencies that are looking to address DER and EV integration concerns, electricity service organizations interested in purchasing compliant products and services to that make the deployment of the technology more efficient and reliable, technology solutions providers (suppliers, integrators, and consultants) who develop and assist with the employment of related technology.

3.5 How will the activity benefit the IEEE?

This effort will promote the adoption of the IEEE 2030.5 standard in U.S., Australia, Korea, Germany, and other markets around the world. It will further promote how to use the IEEE 2030.5 standard in uses cases such as Distributed Energy Resources, Demand Response, and Electric Vehicles.

4. Estimated Timeframe

Indicate approximately how long you expect this activity to operate to achieve its proposed results (e.g., time to completion of all deliverables).

Expected Completion Date: 12/2022

IC activities are chartered for two years at a time. Activities are eligible for extension upon request and review by ICom and the responsible committee of the IEEE SA Board of Governors. Should an extension be required, please notify the ICom Administrator prior to the two-year mark.

5. Proposed Deliverables

Outline the anticipated deliverables and output from this IC activity, such as documents (e.g., white papers, reports), proposals for standards, conferences and workshops, databases, computer code, etc., and indicate the expected timeframe for each.

The deliverables of this activity will be a) implementation of many of the activities that were spelled out in the interoperability roadmap for the 2030.5 ecosystem that was developed earlier and b) an update of the roadmap document (which outlines activities and priorities for members of the ecosystem to address).

5.1 Open Source Software Development

Indicate whether this IC Activity will develop or incorporate open source software in the deliverables. All contributions of open source software for use in Industry Connections activities shall be accompanied by an approved IEEE Contributor License Agreement (CLA) appropriate for the open source license under which the Work Product will be made available. CLAs, once accepted, are irrevocable.

Will the activity develop or incorporate open source software (either normatively or informatively) in the deliverables? No

6. Funding Requirements

Outline any contracted services or other expenses that are currently anticipated, beyond the basic support services provided to all IC activities. Indicate how those funds are expected to be obtained (e.g., through participant fees, sponsorships, government or other grants, etc.). Activities needing substantial funding may require additional reviews and approvals beyond ICom.

This activity will use the basic support services offered to IC activities, and where any activities are proposed that require funding, the group will explore participation/registration fees as needed.

7. Management and Procedures

7.1 Activity Oversight Committee

Indicate whether an IEEE committee of some form (e.g., a Standards committee) has agreed to oversee this activity and its procedures.

Has an IEEE committee agreed to oversee this activity? No, but we will request sponsorship from the leader of the IEEE P2030.5 standards development effort.

If yes, indicate the IEEE committee's name and its chair's contact information.

IEEE Committee Name: IEEE P2030.5

Chair's Name: Robby Simpson

Chair's Email Address: robbysimpson@ge.com

Additional IEEE committee information, if any. Please indicate if you are including a letter of support from the IEEE Committee that will oversee this activity.

IEEE collects personal data on this form, which is made publicly available, to allow communication by materially interested parties and with Activity Oversight Committee and Activity officers who are responsible for IEEE work items.

7.2 Activity Management

If no Activity Oversight Committee has been identified in 7.1 above, indicate how this activity will manage itself on a day-to-day basis (e.g., executive committee, officers, etc.).

The activity will have a chair, a vice chair, who will also serve as the secretary.

7.3 Procedures

Indicate what documented procedures will be used to guide the operations of this activity; either (a) modified baseline *Industry Connections Activity Policies and Procedures*, (b) Standards Committee policies and procedures accepted by the IEEE SA Standards

Board, or (c) Working Group policies and procedures accepted by the Working Group's Standards Committee. If option (a) is chosen, then ICCom review and approval of the P&P is required. If option (b) or (c) is chosen, then ICCom approval of the use of the P&P is required.

A modified baseline of the Industry Connections Activity Policies and Procedures document will be used.

8. Participants

8.1 Stakeholder Communities

Indicate the stakeholder communities (the types of companies or other entities, or the different groups of individuals) that are expected to be interested in this IC activity, and will be invited to participate.

DER owners and users
DER equipment suppliers
DER energy-management system suppliers
Regulators and government agencies
Trade associations and industry consortia
Testing and certification organizations

8.2 Expected Number of Participants

Indicate the approximate number of entities (if entity-based) or individuals (if individual-based) expected to be actively involved in this activity.

Approximately 25.

8.3 Initial Participants

Provide a number of the entities or individuals that will be participating from the outset. It is recommended there be at least three initial participants for an entity-based activity, or five initial participants (each with a different affiliation) for an individual-based activity.

Use the following table for an entity-based activity:

Entity	Primary Contact	Additional Representatives
IEEE	Ravi Subramaniam	X
SCE	Anthony Johnson	X
SCE	Joshua McDonald	
Gridwiz	David Kim	X
Com Ed	Russell De Salvo	X
GE	Robby Simpson	X
GE	Fulinz Zhuang	
UL	Bill Colavecchio	X
SEPA	Ben Ealey	X
SunSpec	Bob Fox	
SunSpec	Tom Tansy	X
SDGE	Greg Smith	X
Kitu	Michael Bourton	X
Intertek	Mukund Rana	X
Quality Logic	James Mater	X
Bee	Song Deng	X
University of Ottawa	Javad Fattahi	X
Hydro Ottawa	Raed Adullah	X
PXISE	Chuck Wells	
Congruitive Systems	Tom Allen	
OpenEgrid	Vijay Israni	
PNNL	Steve Widergren	X
NREL	Dave Narang	X

Use the following table for an individual-based activity:

Individual	Employer	Affiliation
Name		

