

Facilities Joint Use Program
Industry Connections Activity Initiation Document (ICAID)
Version: 0.0, 2 February, 2018

IC18-001-01 Approved by the IEEE-SASB 8 March 2018

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

Primary Contact:

Name: Nelson Bingel

Email Address: nbingel@nelsonresearch.net

Phone: 678-850-1461

Employer: Osmose Utility Services

Affiliation: Chair NESC Main Committee

Alternative Contact:

Name:

Email Address:

Phone:

Employer:

Affiliation:

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.

The Joint Use group will be a forum for Electric Power Utilities, Telecomm and Cable Companies, Regulators, etc. to coordinate and develop consistent approaches/methodologies/rules for joint use of facilities. This generally refers to attachments to electric T&D facilities for communications antennae and/or cable. With the emergence of new communications networks and emerging technologies which depend on widely distributed communications (e.g. 5G and IoT), the needs of vertical real-estate for use in communications is expected to dramatically increase in the coming years. While electric T&D facilities provide an excellent platform to help meet these needs, there are significant safety and reliability issues associated with their use. The objective of this group will be to coordinate those issues and to develop both consistent approaches amongst companies involved in joint-use and standards and/or worker certifications for workers involved in joint-use attachments.

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.).

Many of the rules for attachments to electric facilities are covered in the NESC. These include clearance requirements and high-level work rules for workers who are near live conductors. The group will leverage these existing rules, but will also be looking at issues such as loading vs. design and resiliency across networks (to include restoration and disaster recovery).

There is a small non-profit organization doing similar work in Oregon (OJUA) (restricted to within that state); this group is being invited to participate in the IC activity and to share lessons learned with the larger effort. The OJUA will further clarify and expand the objectives of this new group.

3.3. Previously Published Material

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

IEEE-SA Whitepaper – “The Oregon Joint Use Association and the National Electrical Safety Code. A Progressive Model for Industry Cooperation.”

3.4. Potential Markets Served

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

Current program would cover the United States. The main beneficiaries will be Electric Utilities, Communication Companies, and State Regulators. All of these groups will benefit from collaboration and increased efficiency and safety.

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: 2/2020

IC activities are chartered for two years at a time. Activities are eligible for extension upon request and review by ICCom and the IEEE-SA Standards Board. Should an extension be required, please notify the ICCom 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 primary objective of this group (at inception) will be to develop consistent rules/agreements/methodologies for the evaluation and inter-company cooperation on managing pole attachments on Electric Utility infrastructure.

Future work may focus on certification of workers for increased safety/reliability, based on proximity to active conductors.

Develop a plan for migration to an industry alliance, in accordance with the expectations of the IC activity.

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 ICCom.

No immediate funding is required. The activity envisions transitioning to a formal industry alliance, working with IEEE-ISTO, with fee-based membership. In the interim, most meetings will be via teleconference and any in-person activities will seek participating companies to act as meeting hosts. The basic support services provided to IC activities will be sufficient to meet the needs of this activity.

7. Management and Procedures

7.1. IEEE Sponsoring Committee

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

Has an IEEE sponsoring committee agreed to oversee this activity?:

No

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

Sponsoring Committee Name:

Chair's Name:

Chair's Email Address:

Chair's Phone:

Additional sponsoring committee information, if any.

7.2. Activity Management

If no IEEE sponsoring 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).

Activity officers will be elected at the start to manage the work of the program

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) Sponsor policies and procedures accepted by the IEEE-SA Standards Board, or (c) Working Group policies and procedures accepted by the Working Group's Sponsor. 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.

The Industry Connections Activity baseline P&Ps 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.

Electric Utilities
Telecomm Companies
Cable Companies
State Regulators
Communications Equipment Companies

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.

20 participants

8.3. Initial Participants

Provide a list 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
AT&T	Kyle Hitchcock	
Osмосе	Nelson Bingel	
Oregon PUC	Mark Rettmann	
Spida Software	Brett Willitt	
Oklahoma Gas and Electric	Shane King	