

Internet of Things Interest Group
Industry Connections Activity Initiation Document (ICAID)
Version: 1.0, 22 February 2016

IC16-003-01 Approved by the IEEE-SASB 3 March 2016

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: Oleg Logvinov
Email Address: oleg.logvinov@st.com
Phone: +1 732 322 0155
Employer: ST Microelectronics
Affiliation: ST Microelectronics

Name: Dennis Brophy
Email Address: dennis_brophy@mentor.com
Phone: +1 503-685-0893
Employer: Mentor Graphics
Affiliation: Mentor Graphics

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).

Individual-Based

Purpose

2.1. Motivation and Goal

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

IEEE-SA engages in a range of events, interactive member collaborations, and discussion groups focused on various issues associated with the Internet of Things (IoT) growth and ecosystem development. IoT is a broad ranging topic that will breed new and evolving standards to support wide range of applications and business models.

This Industry Connections (IC) activity will be defined as a strategic IC activity that brings together participants active in IoT space and engaged in various activities in IEEE and other organizations for collaboration towards mutually beneficial outcomes and deliverables. A special focus will be on connecting with the industry players.

There are sufficient commonalities across IEEE IoT engagements, and volunteers supporting these efforts such that aggregating efforts is anticipated to provide a beneficial approach to achieving efficient solutions. Standards play an important role in the development of ecosystems and achieving interoperability among products developed by different vendors.

This activity is expected to identify existing standards, standards in progress, and supporting technical guidance initiatives that are relevant and valuable to the development of IoT. Areas of focus for these efforts will include many important to IoT development elements such as use cases, requirements, architectural models, end-to-end security and privacy approaches, and applications.

2.2. 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.).

There are a lot of commonalities among various IoT related activities and they can be leveraged for the acceleration of the standardization work in this domain. One of the main goals of this activity is to seek the input of the industry and other constituencies that can be potentially used to help consensus development and engage industry and other relevant constituencies.

2.3. Previously Published Material

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

Link to the Feb 4th workshop documents:

https://drive.google.com/folderview?id=0B_96r03cWFnmeW9FYzQ0WFh2TGs&usp=sharing

2.4. Potential Markets Served

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

This activity will focus on benefits spanning a range of technology markets, with a focus on industry players and end users. Educational institutions will also benefit by better understanding market specific technical trends and needs.

3. 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: 3/2018

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.

4. 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.

This activity brings together a range of IEEE IoT initiatives with outputs expected to include:

- Industry events focused on various IoT related issues
- Content associated with events and produced as the result of the events
- White papers and position papers based on participant collaboration
- New standards proposals as identified

5. 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 additional funding requests are anticipated for services beyond the standard services provided for IC programs. Activity members will provide any needed support for hosted meetings, marketing activities that exceed basic IC support. Any necessary event funding will be derived either from registration fees and/or available budget within the SA emerging technology initiative budget and other IEEE initiatives.

6. Management and Procedures

6.1. 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.

Sponsored by the Industry Connections committee

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: Committee Name

Chair's Name: Full Name

Chair's Email Address: who@where

Chair's Phone: Number, including country code

Additional sponsoring committee information, if any.

6.2. 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).

The activity will be managed by an executive committee as defined in the activity's policies and procedures.

6.3. 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*, or b) Sponsor or Working Group policies and procedures accepted by the IEEE-SA Standards Board. The chosen policies and procedures must be reviewed by ICom

Will use the baseline Industry Connections Activity Policies and Procedures.

7. Participants

7.1. 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.

Internet of Things addresses a broad range of technology stakeholders. Standards stakeholders may include those involved from communications to industrial controls and systems, instrumentation, as well as those engaged in application use cases.

7.2. 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.

20-50

7.3. **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:

Use the following table for an individual-based activity:

Individual	Contact Information	Employer	Affiliation
Name	Email Address Phone Number	Entity Name	Entity Name
Oleg Logvinov	oleg.logvinov.us@ieee.org	STMicroelectronics	STMicroelectronics
Dennis Brophy	dennis_brophy@mentor.com	Mentor Graphics	Mentor Graphics