**IEEE P802.24**

**Vertical**

**Applications TAG**

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| Project | IEEE P802.24 Vertical Applications Technical Advisory Group | |
| Title | Proposed Scope for 802.24 IoT Task Group | |
| Date Submitted | [13 January, 2015] | |
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| Re: | [Requests to add Task Groups (TGs) with new scope to IEEE 802.24 TAG] | |
| Abstract | [This document provides the format for the scope of a new IEEE 802.24 TAG TG.] | |
| Purpose | [This document is used to for the approval of a new TG and to guide the TG in its operation.] | |
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# 1. Scope – Provide a clear description of a specific application. The proposed application and area should be clearly bounded.

The IoT Task Group provides a forum to discuss substantive basis for applying 802 standards to evolving IoT in specific vertical application areas and to gather together like minded experts interested in exploring the topics. The scope of the IoT task group is to:

* Develops white papers, presentations and other documents that do not require a PAR that describe the application of IEEE 802 standards to identified IoT vertical applications.
* Identify technology gaps in identified IoT vertical applications and recommend standardization tasks to the appropriate IEEE 802 Working Group.
* Provide forum for liaison activities with industry organizations, other SDOs, government agencies, IEEE societies, etc. in identified IoT vertical applications.
* Maintain consistency with IoT architecture framework in development in IEEE P2413.

# 2. Customer – Who will benefit from the work product of the proposed TG?

White paper development in IoT vertical applications areas to provide customers with insight into current industry technical developments related to IoT. Targeted customers include: end users, service providers, OEMs, chip suppliers, standards developers (e,g, IEEE P802, TIA, ISO, IEC) and industry alliances

# 3. Similar groups – What are the liaison opportunities?

# Liaison activities with internal SDOs (e.g., IEEE P802 working groups, IEEE P2413), external SDOs (e.g., TIA, ISO, IEC), industry alliances, government agencies, IEEE societies, etc. in identified IoT vertical applications.

# 4. Broad market applicability – Will there be numerous users of the information? Does the application have broad applicability? Is it supported by multiple vendors?

Identified IoT vertical applications have broad applicability across numerous users and multiple vendors. These include:

* Industrial Automation
* Data Center Management
* Security/Video Networks- Wireless/Wired
* Building Automation
* Automotive

# 5. Will it identify new ways that 802 standards can be integrated or applied across WGs?

The scope includes identification of technology gaps in selected IoT vertical applications providing recommendations on standardization tasks to the appropriate IEEE 802 Working Group as well as maintaining consistency with IoT architecture framework in development in IEEE P2413.

# 6. Distinct identity – Is this area something already being addressed in 802? Does it require cross WG support?

The task group has distinct identity in its focus on development of white papers connecting endpoints (sensors, actuators, “things”) to the Internet IoT in the identified IoT vertical applications.

# 7. Feasibility – The proposed work will serve the identified users. Initial work items have already been identified.

Initial work items are white paper developments in IoT vertical applications;

* Industrial Automation
* Data Center Management
* Security/Video Networks- Wireless/Wired
* Building Automation