802.24 Internet of Things

Co-chairs
Chris DiMinico
MC Communications
cdiminico@ieee.org
Mike Bennet/3MG Consultancy
mjbennett@ieee.org

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Background

- Kick-off 802.24 IEEE 802 Plenary March 2014, Beijing, China
    - https://mentor.ieee.org/802.24/dcn/14/24-14-0008-00-0000-nuts-and-bolts-of-the-internet-of-things.pdf

- 802.24 IEEE 802 Plenary July 2014, San Diego, CA
    - https://mentor.ieee.org/802.24/dcn/14/24-14-0022-00-0000-iot-nab-july-presentations.pdf

- 802.24 IEEE 802 Plenary November 2014, San Antonio, Tx
    - IoT white paper outline "Sensors for Data Center Management"
        - https://mentor.ieee.org/802.24/dcn/14/24-14-0037-00-0000-iot-whitepaper-outline.pdf
    - Industrial Automation
        - https://mentor.ieee.org/802.24/dcn/14/24-14-0038-00-0000-industrial-automation-iot.pdf

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IoT Task Group Scope Development

•IoT definition: from IEEE-SA CAG

IoT is "a scenario in which each thing has a unique identifier and the ability to communicate over the internet or a similar wide-are network"

IoT Task Group: Scope:

•IoT Task Group; General:

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.

- ▪Develops white papers, presentations and other documents that do not require a PAR that describe the application of IEEE 802 standards to identified vertical applications.
- ▪Identify technology gaps in identified 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 vertical applications.

•IoT Task Group; Vertical applications:

- ▪The task group is to focus on the application of 802 standards to connecting endpoints (sensors, actuators, "things") to the Internet "IoT" in the vertical applications listed below.
  - + List with commitment from champions.
    - –Industrial Automation – Robert Voss/Panduit
    - –Data Center Management - Mike Bennet/3MG Consultancy (environmental,
    - –facilities)
    - –Security/Video Networks- Wireless/Wired - Andy Jimenez/Anixter
  - +List with expressed interest.
    - –Building Automation – TBD – Bruce Nodman (Mike Bennett) -
    - –Automotive – TBD – (11p vehicle to vehicle)
    - –802.1 – Network Architecture – TBD

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