
**IEEE P802.24
Smart Grid TAG**

Project	IEEE P802.24 Smart Grid Technical Advisory Group		
Title	Minutes-TAG-Mar-2019		
Date Submitted	18 March 2019		
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Re:	802.24 TAG minutes		
Abstract	Meeting minutes for 802.24 TAG and TGs.		
Purpose	Document meeting and action items.		
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Minutes TAG 24

March 2019, Vancouver, BC, Canada

802.24 TAG	
Chair:	Tim Godfrey (EPRI)
Vice Chair:	Benjamin Rolfe (Blind Creek Associates)
Recording Secretary:	Benjamin Rolfe (Blind Creek Associates)
TG1 (SG) Chair:	Tim Godfrey
TG1 (SG) Vice Chair:	Benjamin Rolfe (Blind Creek Associates)
TG2 Chair:	Chris DiMinico (MC Communications)

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PM2 Monday 11 March 2019**Opening**

Meeting called to order at 1608 local time by TAG Chair Tim Godfrey.

Chair presents meeting slides document # 24-29-0008-01.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0008-03-0000-march-2019-meeting-presentation.pptx>

Chair presents the Agenda doc # 802. 24-19-0007-01.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0007-01-0000-march-2019-agenda.xlsx>

Following neither discussion nor objection, agenda approved by unanimous consent.

The chair presents the Guidelines for IEEE-SA Meetings and Participation in IEEE 802 Meetings. An opportunity is provided for attendees to respond. No questions nor objections heard. The chair directs attendees to review the meeting preamble slides

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf> for further information.

Approve January meeting minute's document # 24-19-0005-00.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0005-00-0000-tag-meeting-minutes-jan-2019.pdf>

Following neither discussion nor objection, minutes approved by unanimous consent.

Status of TAG Action Items from January

- Announce IoT Matrix teleconference on reflector, with call for comments (done)
- Re-announce TSN white paper call for comments for March meeting (Done)

Smart Grid TG (802.24.1)**Discussion: Collaboration with 802.21**

Opportunity for collaboration with 802.24:

- Additional work related to TSN for real time
- RTA contributions in 802.11 EHT on use cases for VR
- May be an opportunity for an 802.24 Whitepaper on real-time VR using multiple 802 technologies
- Building upon Low Latency whitepaper with broader set of applications, mapping VR architecture diagram to appropriate 802 standards
- Emphasize quality of experience as relevant metric (not just max bits/sec)
- Compare 802 to 5G service offerings
- Possibly identify potential work in other WGs
- 802.24 provides the collaborative, cross working group environment

Actions:

1. 802.21 to provide contributions to 802.24 (July) to define outline and scope of Real-Time whitepaper

TSN Whitepaper

TSN White paper comment collection: No further comments have been submitted. Tim reviews state of the paper. Plan is that tomorrow in the joint session with 802.1 will have final discussion and then move to population 18-0022r2.

Recessed

Recessed at 15:33 Local Time.

PM2 Tuesday 12 March 2019

Called to order at 16:07 Local.

"Network Integration" action item (TAG)

TAG level - EC follow-up "Network Integration" action item (Doc #19-08 slide 16). Discussion on role and positioning of 802 standards.

Max Riegel presents document 24-18-0026-00 presentation on Network Integration: <https://mentor.ieee.org/802.24/dcn/18/24-18-0026-00-0000-thoughts-on-ieee-802-network-integration-with-respect-to-p802-1cf.pptx> and leads discussion.

Goals:

- Compare and Contrast 802 networks with what is promised as "5G".
- 1CF Specification - provides model of the access part of the network (user facing part).
- Turn this into a releasable reference to inform the world on what 802 does in IoT in contrast to "5G".
- Raise awareness of 802 role in IoT (802 is L1 and L2)

Discussion captured in doc 24-19-0008-02.

Actions:

- Consider 802.24 whitepaper using presentation as a starting point. Work fits 802.24.2 IoT Task Group (next meeting in July)

IoT task group

Note: TG chair Chris is not available so Tim leads IoT TG.

Presents update updates on IoT White paper: Doc # 24-17-0036-02: Awaiting input from Ludwig.

Single pair Ethernet white paper. Automotive and Industrial, Doc # 24-18-0011-00:

<https://mentor.ieee.org/802.24/dcn/18/24-18-0011-00-IoTg-iot-spe-applications-white-paper.pdf>

Close to done - out for comment and no comments received so far. Ready to move into publication process.

Building IoT engagement: Discussion on plan and new activities for IoT task group and broader engagement: results captured in 24-19-0008.

Action was assigned to Chris - no update from Chris at this time.

Tim captures results of discussion in doc # 24-29-008-02 .

Recessed

Recess at 15:33 to join 802.1 TSN

Joint TSN Meeting

Called to order at 18:00 local

Review of TSN Whitepaper. Tim captures changes in r3. Agreement to forward doc 24-18-0022r3 on to IEEE publication

Recessed at 18:12 local

Wed PM2 Wednesday 13 March 2019

Called to order 1603

Regulatory update

Jay Holcombe (802.18 chair):

900 MHz FCC

- Change to allow high power ops adjacent to 915 band under discussion
- Up to 400W/MHz on towers
- Potential for interference in widely used 915 MHz band (IoT and Smart Grid)

OFCOM – 2390-2400 MHz consultation

- High power devices could interfere with lower end of 2.4 GHz ISM band

TOPS

Goal is to complete review and comments to return to ATIS this week
Reviewed input on IoT Characteristics Matrix provided by ATIS

19.3 TG Liaison and Discussion

Discussion on 802.24 role. Possible actions:

- Develop a whitepaper on application specific use cases
- Identify where 802.15.4g is not sufficient for Smart Grid and IoT
- Emphasize ability of 802 wireless standards to coexist and complement each other.

Reviews 19.3 schedule. Determined that 2nd half of 2019 is good timing for the WP.

AoB

Tim entertains suggestions to replace 802.24 mascot, No suggestions offered.
No other business.

Adjourn

Adjourned at 1751 Local Time.

Gratuitous Squirrel Picture



Figure 1: Vertical Application Planning Fail