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**IEEE P802.24  
Vertical Applications TAG**

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Project	IEEE P802.24 Smart Grid Technical Advisory Group		
Title	<b>Minutes-TAG-July-2019</b>		
Date Submitted	18 July 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.		
Notice	This document has been prepared to assist the IEEE P802.24. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.		
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# Minutes TAG 24

July 2019, Vienna, AT

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

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## **PM2 Monday, July 15, 2019**

### **Opening**

Meeting called to order at 1600 local time by TAG Chair Tim Godfrey.

Chair presents meeting slides document # 24-29-0014-01.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0014-01-0000-july-2019-meeting-presentation.pptx>

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.

Chair presents the Agenda doc # 802.24-19-0013-02.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0013-02-0000-july-2019-agenda.xlsx>

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

Approve January meeting minute's document # 24-19-0018-00.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0018-00-0000-may-2019-meeting-minutes.pdf>

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

### **Status of TAG Action Items from March**

1. None

### **Update Licensed Narrowband**

Discussion deferred to Thursday.

### **AR/VR Vertical Applications**

Presentation: Document # 24-19-0016-00-0000 VR Display Specifications:

<https://mentor.ieee.org/802.24/dcn/19/24-19-0016-00-0000-vr-display-specifications.pptx>

Discussion: Discussion followed.

Actions: Dillion to incorporate AR/VR use case requirements into the Low Latency Whitepaper draft.

### **Recessed**

Recessed at 17:50 Local Time.

### **PM2 Tuesday, July 16, 2019**

Called to order at 16:00 Local.

### **Regulatory Update**

Jay Holcomb provides a verbal report on current regulatory developments. 80.18 will be working:

- Update THz communications response
- EU activities
- UWB Status in Japan
- UWB FCC petition for rulemaking to review
- 802 input to APT on WRC-19 agenda items
- Wireless power transfer at 2.4GHz

### **802.24.2 Whitepaper**

Reference doc 802.24-17-0036r2. No new progress to report.

Reviewed current draft. Tim requests volunteers to move it forward.

Ludwig volunteers to provide some material related to IEC topics and P2413 information.

### **P2413 Liaison Report**

Ludwig Winkel

Published

Last SB Draft is available in 802.24 Private Area.

[<http://grouper.ieee.org/groups/802/24/private/P2413%20Liaison/P2413-D0.4.6.pdf>]

Covers multiple application domains.

Used ISO/IEC/IEEE definitions for architectures (42010).

### **SEG8**

SEG8 provided report to IEC SMB; new work underway.

### **Network Integration**

Purpose: create a document describing the values and benefits of 802 networks in contrast to service provider networks.

Discussion:

802.1Qdj being started to address configuration of TSN behavior in networks; can be used for configuration of Software Defined Networks (SDN). OPC-UA IEC 62541 may have relevant parts. Tim captures ideas in edits to draft 19-0017r1 results posted as r2.

<https://mentor.ieee.org/802.24/dcn/19/24-19-0017-01-0000-ieee-802-solutions-for-vertical-applications.docx>

### **Recessed**

Recessed at 17:30 Local Time.

### **PM2 Thursday, July 17, 2019**

Called to order at 16:00 Local.

### **Licensed Narrowband**

A meeting was held by UTC in Fort Worth to discuss licensed narrowband services. There were 24 attendees. Discussed possible amendment to 802.16s. This raised the possibility to bring 802.16 out of hibernation for an amendment. A teleconference is scheduled to discuss PAR development:

### **Teleconference schedule:**

**August 5, 1pm Pacific (4pm Eastern), 1 hour duration**

### **TSN Whitepaper**

In publication. Received comments from IEEE publications. Chair working with 802.1 to resolve editor's comments.

### **Low Latency Work**

Work on 24-19-0003. Results posted as r3.

### **Actions:**

1. Ben volunteers to provide information on mmWave standards
2. Dillion to continue to work on AR/VR content
3. Oliver to review Dillion's contribution

Schedule: Dillion to work on AR/VR until Aug 5<sup>th</sup>, then pass the pen to Oliver for review. Ben will prepare mmWave input in a separate document to avoid collision.

**Other 2019 TAG Activity discussion**

Sub-1GHz coexistence whitepaper: with current 19.3 collecting information, this is deferred to September.

**AoB**

None

**Adjourn**

Adjourned at 17:32 Local Time.

**Gratuitous Squirrel Picture**



*Figure 1: Godzilla of Squirrls*