**IEEE P802.24**

**Vertical Applications TAG**

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| Project | IEEE P802.24 Smart Grid Technical Advisory Group |
| Title | **March 2023 TAG Minutes** |
| Date Submitted | March 12, 2023 |
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| Re: | 802.24 TAG meeting |
| Abstract | Meeting minutes for 802.24 TAG and TGs.  |
| Purpose | Document meeting and action items. |
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Minutes TAG 24

March Plenary Session (hybrid)

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| **802.24 TAG** |
| **TAG and TG1 Chair:** | Tim Godfrey (EPRI) |
| **Vice Chair and Recording Secretary:** | Benjamin Rolfe (Blind Creek Associates) |
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# Tuesday, March 14, 2023

## Opening

Called to worder at 16:06 Local Time (EST).

Agenda: in doc [24-23-0003-02](https://mentor.ieee.org/802.24/dcn/23/24-23-0003-02-0000-march-2023-plenary-meeting-presentation.pptx). Following discussion, agenda approved by unanimous consent.

Minutes: [24-23-0004-00](https://mentor.ieee.org/802.24/dcn/23/24-23-0004-00-0000-january-2023-tag-minutes.pdf) approved by unanimous consent.

Action item review – no updates

## Liaison review

No reports. Comment: Chris D will provide a point of contact for automotive industry groups.

## IoT Whitepaper

Document [24-22-0011-01](https://mentor.ieee.org/802.24/dcn/22/24-22-0011-01-IoTg-internet-of-things-white-paper.docx) is the baseline. IoT Discussion:

* Action plan from January was to obsolete document 24-17-0036r3. Use 24-22-0011r1 as baseline moving forward.
* Review, discussion and revision of the draft
* Additional actions:
	+ Ben and Alan and Allan will coordinate an ad-hoc to refine and expand IoT White Paper (deferred from January)
* 24-22-0011r2 uploaded for offline review – will discuss in May

## Low Latency White Paper

[Doc #A 24-19-0003-18](https://mentor.ieee.org/802.24/dcn/19/24-19-0003-18-0000-low-latency-communication-white-paper.docx) (updated in November)

* Need to finalize and move to IEEE editors for publication.
* Areas identified for further content:
	+ Next steps – Ben to look into contact tracing
	+ Consider autonomous vehicle use cases
* Updated: <24-19-0003-19>
* Next steps – Ben to look into contact tracing
* Final review of r19 between now and May.
* Add contributors to author block in May, assign new document number, move into publishing process.

## Solutions for Vertical Applications

Document # [24-22-0012-03](https://mentor.ieee.org/802.24/dcn/23/24-23-0003-00-0000-march-2023-plenary-meeting-presentation.pptxhttps%3A/mentor.ieee.org/802.24/dcn/23/24-23-0003-00-0000-march-2023-plenary-meeting-presentation.pptx)

* Discussion on updates
* Updated: [24-22-0012-04](https://mentor.ieee.org/802.24/dcn/22/24-22-0012-04-0000-ieee-802-networks-for-vertical-applications.docx)
* Post to ask 802.1, 802.3, 802.11, 802.15 reflectors asking for comments prior to May 2023 meetings.

Recessed at 17:44 Local Time.

# Wednesday March 15, 2023

## Opening

Called to order 16:05 Local Time

## Alternate Fuel Vehicle Discussion

* Review AFV Communications White Paper Outline
* Reviewed contribution Smart home and EV charging system for Cooperative Energy Management [[4-23-0002-00](https://mentor.ieee.org/802.24/dcn/23/24-23-0002-00-0000-vertical-application-opportunity-in-integrating-smart-home-and-ev-charging-system-for-cooperative-energy-management.pptx)](https://mentor.ieee.org/802.24/dcn/23/24-23-0002-00-0000-vertical-application-opportunity-in-integrating-smart-home-and-ev-charging-system-for-cooperative-energy-management.pptx)
* Agreed to schedule AFV Conference calls between now and May interim
	+ 4pm Pacific, 7pm Eastern, 8am Korea
	+ 27/28 March, 24/25 Apr (US/Korea)

## Vertical Applications – Industry Standards Outreach

Concept: 802.24 serves as an opportunity for vertical markets and stakeholders (transportation, oil/gas, etc) engage with IEEE 802 and identify relevant “standards gaps” that may result in new projects.

* 802.24 can function as an all-802 TIG for identifying and clarifying standardization needs for vertical markets
* Can initiate activities to collaborate with WNG activities in Working Groups

Action Plan:

* Promote 802.24 as a venue for vertical stakeholders to initiate standardization
* Partner with public visibility SC – further outreach to industry alliances and advocates. Close the loop from external specs back into IEEE 802. Document success stories to motivate.
* Participate in any IEEE 802 Showcase events to bring in industry people who are not interested in being a standards developer, but want to know about standards, and how to get them initiated.
* Engage and bring in new verticals at specific industry events and conferences

## Future TAG activities

Discussed several future activities:

* Update of first Smart Grid white paper to address latest amendments of 802.15.4
* New topics: integration of Gas/Water into electric metering (battery powered leaf nodes)
* A whitepaper/document for application-specific use cases of Sub 1GHz standards (802.15.4g, 802.11ah and 802.19.3).
* New projects in in Sub-1GHz. Potential updates to 802.11 and 802.15 in the works.
* IETF: Reliable and Available Wireless – may be an opportunity; need to find someone involved:
	+ Ask Tero, 802.15 IETF
	+ Ann will report back from next IETF
* TSN – movement of 802.1 and 802.3 towards specific profiles (related to vertical applications) including AVB, Industrial Automation, Automotive, Aerospace. Some work to apply TSN over wireless (802.11, 802.15.3, etc). May be opportunity to update.

## Any Other Business

No other business

## TAG Closing

Reminder for the May Interim session given.

## Adjourn

Adjourned 17:37 local time.

# Gratuitous Squirrel Related Picture

