IEEE 802.24 Smart Grid Group

Project	IEEE 802.24	
Title	IEEE 802.24 Smart Grid TAG Minutes, Vancouver, BC, Canada, Nov 14-17 2013	
Date Submitted	February 13, 2013	
Source	[James Gilb] [Tensorcom]	E-mail: [last name at ieee dot org] []
Re:		
Abstract	IEEE 802.24 TAG Ad-Hoc Group minutes, January 2013, Vancouver, BC.	
Purpose		
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IEEE Project 802.24
Meeting Minutes: January 14-17, 2013

Monday PM2 Session – January 14, 2013

Meeting called to order at 16:02 – by James Gilb

Secretary: Ruben Salazar

Chair present document 24-13-0001-03, the proposed agenda.

No objections to the agenda.

Agenda is approved.

Chair stated that because 802.24 is in pre-PAR activity, no call for patents is required.

The Chairs presented "Patent Slides for pre-PAR Meetings" in document 24-13-0004-01

Motion to approve doc 24-13-0002-00, minutes from November meeting.

Moved by: Phil Beecher

Second by: Ruben Salazar

No objections, minutes approved.

Godfrey presented document reviewing action items from previous meeting.

Publicity Plan.

     Press releases, how often? Quarterly? Minimum four a year?

     Presentations in shows for example Distributech,

     Present to the Power Engineering Society? Meeting once a year in July this year.

     Lot of activity going on in ITU-R and ITU-T. Need a liaison from the 802, member of the US delegation to the ITU-Mike Lynch is going to those meetings? AI: Ask Mike tomorrow at the .24 session.

     List of target shows to have somebody present.

     Distributech? PES? Smart Grid Communications Conference sponsored by IEEE in

Vancouver this year?

Meeting in Singapore in September? (Phil has more details to provide)

Presentation by Phil Beecher: suggestion about how to handle the mesh range estimator.

Email with 5 bullets, analyzed. Application data modeling was done in OpenSG.

Do not create another spreadsheet…

Is this a tool for PAP02?

What is our liaison to SGIP2.0?

Recommendation: We are not intending to provide more input to SGIP2.0/PAP02…

The range estimator is adequate for the current star model, it is not appropriate for Wireless LAN including Mesh.

The group decided the following two items:

R. Salazar to lead a paragraph to be sent to SGIP/PAP02 about the current model, mentioning what it is appropriate for (Cellular, point to multipoint, etc) and what are the limitations (mesh, point to point).

Mat, Tim, Bruce, Phil to assist.

We will close this action item If someone wants to present a well-defined problem for .24 to resolve we will take it on. This closed agenda item 3.2.

Approved revision of the agenda as shown in 24-13-0001-04

17:40 Gilb recesses meeting.

Tuesday PM2 Session – January 15, 2013

Meeting called to order at 16:00 – by James Gilb, joint session with 802.18.

Secretary: Matt Gillmore

16::02 Gilb presents ITU-R 2361 802.18-2012 #25 r0

Questions need to be answered by the March plenary

1. What are the technical and operating features and the characteristics of wireless

technologies and devices in support of power grid management systems?

John Buffington from SSN offered to supply a document for this: 802.18-12 84 r3

Jay Ramasastry from SSN commented that we need to pay better attention to ITU activities

Tim Godfrey mentioned that we can re-use work from SG-Network and PAP 2 for requirements

Buffington from SSN pointed out 1801 for 802.11, 802.16

AI: reference SG-Network requirements – Matt Gillmore due- 02/08/2013

AI: reference 1801 & 1450 document etc due- 02/08/2013

AI: Bruce to supply information for 802.11 due- 02/08/2013

AI: Ruben Salazar & George Flammer/John Buffington/Phil Beecher for 802.15.4

 AI: 802.16 – Doug Gray and Tim Godfrey due- 02/08/2013

AI: 802.20 – Radhashksin Canchi due- 02/08/2013

AI: 802.21 – Subir Das due- 02/08/2013

AI: 802.22 Apurva Mody due- 02/08/2013

Owner of the Category List: Kumal Shali/Mike Lynch due-01/22/2013

John Buffington asked "Should we answer this as a marketing issue"

Group consensus is that we need to answer with technology perspectives

2. What are the data rates, bandwidths, frequency bands and spectrum requirements needed in support of power grid management systems?

SG-Network SRS for data rates will be referenced.

AI: Matt Gillmore will post the SG-Network SRS to the 802.24 mentor site

AI: Client Powell will help with the wording for the end of question two's response

3. What are the interference considerations to radiocommunications associated with the implementation of wireless and wired technologies and devices used in support of power grid management systems?

802.22-12 #56r0 was mentioned to have answered this question

4. How will spectrum availability be affected by interference associated with widespread deployment of such technologies and devices?

Group developed a response to this question with consensus

Conference Call to review proposed response to the ITU/r questions - 02/20/2013

Next activity on the agenda: Get a list of ITU smart grid related activities, discussion, and decision for future plans.

WP1A(most critical, annual), Study Group 1(less critical) likely to become CITEL PCCII (3-4 times a year)

Chair makes a call for volunteers for people that can represent 802.24 in ITU-r

Ramasastry from SSN offered to check for support within SSN

The 802.24 representative does not need to be the same person.

Meeting recessed at 17:48

Wednesday PM2 Session – January 16, 2013

Meeting called to order at 16:00 – by James Gilb

Minutes recorded by Apurva Mody

- Gilb wants to set precedence of starting the 802.24 sessions on time

- Agenda modified as shown in 24-13-0001-05

  ◦ Add Discussion of SGIP 2.0

- Nada Golmie (NIST) provided overview on SGIP 2.0

  ◦ SGIP 2.0 is going to be Ppying membership

  ◦ Starting March things will be based on membership

  ◦ 80+ members

  ◦ Priority Action Plan (PAP2)

○ Developed tools to put requirements in context.

○ To date there are spreadsheets that can do that

○ There is very little input from 802. But if you want to be included then you should participate

○ What inputs are they looking for –

   ▪ Wireless characterization matrix -Need to modify these parameters -Columns of 802 are currently empty

   ▪ Need tools for link budget, throughputs, channel characteristics etc.

   ▪ Bar is low

○ Every other Tues there are PAP2 calls from 2-3 pm

○ Jay Ramasastry – Where does SGIP fit? Open or a closed group? Regardless of SGIP 2 not being open, NISTR report will be open and published for all

○ Matrix + Tools. Provide parameter matrix first and then tools

○ Are draft standards allowed in the matrix and tools? YES

○ What is the goal of the matrix? Trying to make things simpler for non experts

○ Matt Gilmore (Itron) – Time frame – When is this due? ASAP

○ Matt Gilmore – The response for ITU-R question could be the same as for the SGIP input

○ Will the documents for SGIP 2.0 be public? Can't answer, Output of PAP2 will be.

○ Once PAP2 is finished, it will be in the Catalog of Standards

○ Not all the standard referenced will be put in separately

○ Gilb – What about wireline standards. Need to go back to the reason why wireless group was created. Because wireless technologies were found to have issues

○ In NIST framework document, 802.3 is mentioned

○ 802.3 has many interfaces and signaling mode – Yes, but wireless was identified as a

priority issue.

- ○ 802.3 as backhaul. Perhaps. It can be added. Please provide inputs

- ○ How can 802 participate? As an entity member. IEEE SA needs to talk to SGIP to see if there are any partnerships. Several levels – Needs to go to Bill Ashe and Konstantinos

- ○ Buffington (Itron) – Many wireless solutions that serve SG market -

- ○ Call for volunteers to help finish PAP2 and include any 802 technology of their choice -

- ○ Tim Godfrey (EPRI) showed the worksheet that needs to be filled out.

- ○ Ramasastry – This may not be accurate. Nada is saying that give us first order of approximation

- ○ There are some tools provided as example. The group is looking for values to provide to the use to guide the user for a particular technology. Bar is not very high

- ○ Output of the tools get included in matrix – No in the PAP2 document

- ○ No essays in the matrix

- ○ Potentially we can add some rows to the matrix

- ○ It takes 6-8 months for PAP2 to publish.

- • Apurva N. Mody, presented SIF worksheet based on the inputs from the 802.22 WG.

 MOTION

To Approve document 22-12-0104 Rev1
(https://mentor.ieee.org/802.22/dcn/12/22-12-0104-01-0000-802-24-sg-tag-input.xls) and request EC to approve for communications to the Standards Board with the Chair to provide appropriate cover letter.

Move: Michael Lynch

Second: Apurva Mody

Is there any objection to approving this?

No objections

Meeting recessed at 17:55

Thursday 17th January 2013, PM2

Chair opened the meeting at 16:01.

Ray Krasinski "selected" by the Chair to act as Secretary for this session.

Agenda has been modified by the Chair. No objections. Agenda updated to Revision 6 approved by unanimous consent.

Motion to approve document 24-12-0033-02 and request EC to endorse document 24-12-0033-01 as a group of standards for Smart Grid network applications to be forwarded to IEEE-SA for posting on the appropriate IEEE Smart Grid web site, with editorial corrections as necessary.

Moved: Ed Calloway,

Seconded: Jay Ramasastry

No Comments or discussion

Vote: (Y/N/A)9/0/0

Motion passes

Document 24-13-0007-00 presented by Bruce Kraemer.

Motion is to approve document 24-13-0007-00 and request EC to approve for communications to to SGIP as SIF contributions from IEEE 802. The documents will be forwarded to Bill Ash to be transmitted to the appropriate individual in SGIP.

Move: Bruce Kraemer

Second: Mike Lynch

No discussion

No objections

Continuous PAP2 work presented by the Chair and discussed by the group.

Chair reviewed future work.

Chair reviewed topics for Orlando meeting.

Chair is prepared to be flexible as to the scheduling of individual agenda items at the Orlando meeting to accommodate events taking place in other 802 groups.

The Chair asked if there was and new business, there was none.

The Chair adjourned the meeting at 5:40PM.

Attendees

Name	Affiliation
Adams, Jon	Lilee Systems
BEECHER, PHILIP	Wi-SUN Alliance
Beer, Frederik	University of Erlangen-Nuremberg, Fraunhofer IIS
Buffington, John	Itron Inc.
Callaway, Edgar	ARM, Ltd.
Calvert, Chris	Landis Gyr Group Worldwide
Canchi, Radhakrishna	Kyocera Communications Inc.
Chang, Kuor-Hsin	Elster Solutions
Chang, Soo-Young	California State University, Sacramento (CSUS)
De Ruijter, Hendricus	Silicon Laboratories
Evans, David	Philips Electronics
Flammer, George	Silver Spring Networks
Fukui, Kiyoshi	Oki Electric Industry Co., Ltd.
Gilb, James	Tensorcom, Inc.
Godfrey, Tim	Electric Power Research Institute, Inc. (EPRI)
Herbst, Thomas	Silver Spring Networks Inc.
HUH, Jae Doo	Electronics and Telecommunications Research Instititute (ETRI)
Kent, Jeritt	Analog Devices Inc.
Kitazawa, Shoichi	ATR Wave Engineering Laboratories
Kojima, Fumihide	National Institute of Information and Communications Technology (NICT)
Kraemer, Bruce	Marvell Semiconductor, Inc.
Krasinski, Raymond	Philips Electronics
Mody, Apurva	BAE Systems
Oyama, Satoshi	Association of Radio Industries and Businesses (ARIB)
Poegel, Frank	Atmel Corporation
Powell, Clinton	Powell Wireless Consulting, LLC

Rakanovic, Demir	Individual
Ramasastry, Jayaram	Silver Spring Networks Inc.
Riegel, Maximilian	Nokia Siemens Networks
Salazar Cardozo, Ruben	Landis Gyr Group Worldwide
Sato, Noriyuki	Oki Electric Industry Co., Ltd.
Schwoerer, Jean	France Telecom
Seibert, Cristina	Silver Spring Networks Inc.
Shah, Kunal	Silver Spring Networks Inc.
Shimada, Shusaku	Yokogawa Co.
Sum, Chin-Sean	National Institute of Information and Communications Technology (NICT)
Takai, Mineo	Space-Time Engineering
Wang, Xiang	Wuxi SensingNet Industrialisation Research Institute
Ward, Lisa	Rohde & Schwarz
Xing, Tao	Shanghai institute of microsystem and infomation technology
Zhang, Xin	National Institute of Information and Communications Technology (NICT)