IEEE 802.3 Working Group Opening Plenary
15th July 2013

David Law
Chair, IEEE 802.3 Working Group
dlaw@hp.com

Agenda, voter lists:
http://www.ieee802.org/3/minutes/jul13/index.html

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law <dlaw@hp.com>

IEEE 802.3 Vice Chair: Wael William Diab <wdiab@broadcom.com>

IEEE 802.3 Secretary: Adam Healey <adam.healey@lsi.com>

IEEE 802.3 Executive Secretary: Steve Carlson <scarlson@ieee.org>

IEEE 802.3 Treasurer: Valerie Maguire <valerie_maguire@siemon.com>

IEEE 802.3 Task Force chairs

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision): Howard Frazier <hfrazier@broadcom.com>

IEEE P802.3bj 100 Gb/s Backplane and Copper: Adam Healey <adam.healey@lsi.com>

IEEE P802.3bk Extended Ethernet Passive Optical Network: Marek Hajduczenia <marek.hajduczenia@zte.pt>

IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet: Dan Dove <ddove@apm.com>

IEEE P802.3bn EPON Protocol over a Coax (EPoC): Mark Laubach <laubach@broadcom.com>

IEEE P802.3bp Reduced Twisted Pair 1Gb/s Ethernet (RTPGE) PHY: Steve Carlson <scarlson@hspdesign.com>

IEEE P802.3bq 40GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 Distinguished Minimum Latency Traffic (DMLT) < ludwig.winkel@siemens.com>

IEEE 802.3 400 Gb/s Ethernet: John D'Ambrosia <john_dambrosia@dell.com>

IEEE 802.3 4-pair Power over Ethernet: Chad Jones <cmjones@cisco.com>

WG Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2013 SASB Op Manual 5.3.3.5)
- Photography or recording by permission only (2013 SASB Op Manual 5.3.3.4)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
  - Help the hotel security staff improve the general security of the meeting rooms
  - **PCs HAVE BEEN STOLEN** at previous meetings
  - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings
- **No food or drink in rooms**

Agenda and Minutes

- Approve agenda
    - http://www.ieee802.org/3/minutes/jul13/
    - Any modifications, additions or deletions?

- Approve March 2013 minutes
    - http://www.ieee802.org/3/minutes/mar13/
    - Published 22nd April 2013
    - Any corrections, modifications, additions?

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
  - The IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 12 and 12a on inclusion of potential Essential Patent Claims by incorporation or by reference.

  Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

25 March 2008 (updated January 2012)

◆IEEE

(Optional to be shown)

Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- **Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:**
  - **"Shall inform the IEEE (or cause the IEEE to be informed)" of the identity of each "holder of any potential Essential Patent Claims of which they are personally aware" if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents**
    - **"Personal awareness" means that the participant "is personally aware that the holder may have a potential Essential Patent Claim," even if the participant is not personally aware of the specific patents or patent claims**
  - **"Should inform the IEEE (or cause the IEEE to be informed)" of the identity of "any other holders of such potential Essential Patent Claims" (that is, third parties that are not affiliated with the participant, with the participant's employer, or with anyone else that the participant is from or otherwise represents)**
- **The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group**
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

25 March 2008 (updated January 2012)

◆IEEE

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

http://standards.ieee.org/develop/policies/opman/sect6.html#6.3

Material about the patent policy is available at

http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/about/sasb/patcom/index.html

**This slide set is available at
https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt**

IEEE

25 March 2008 (updated January 2012)

Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:

  - Either speak up now or
  - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
  - Cause an LOA to be submitted

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Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

  - **Don't discuss specific license rates, terms, or conditions.**

    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.

      - Technical considerations remain primary focus

  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

  - **Don't discuss the status or substance of ongoing or threatened litigation.**

  - **Don't be silent if inappropriate topics are discussed … do formally object.**

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.

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IEEE 802.3 Standards

- IEEE Std 802.3™-2012 (30th Aug 12 / 28th Dec 12)*

- IEEE Std 802.3.1™-2013 (14th Jun 13 / TBD)

* Available through Get IEEE 802
    http://standards.ieee.org/getieee802/802.3.html

Note 1: Dates are Approval date / Publication date

Activities since March 2013 meeting Interim meetings

- 14th through 17th May 2013, Victoria, BC, Canada
  - IEEE 802.3 Maintenance Task Force
  - IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force
  - IEEE P802.3bk Extended Ethernet Passive Optical Network Task Force
  - IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet Task Force
  - IEEE P802.3bn EPON Protocol over a Coax (EPoC) Task Force
  - IEEE P802.3bp Reduced Twisted Pair 1Gb/s Ethernet PHY Task Force
  - IEEE P802.3bq 40GBASE-T Task Force
  - IEEE 802.3 Distinguished Minimum Latency Traffic (DMLT) Study Group
  - IEEE 802.3 400 Gb/s Ethernet Study Group
  - IEEE 802.3 4-pair Power over Ethernet Study Group

Activities since March 2013 meeting
IEEE 802.3 balloting

- Working Group Ballots:
  - IEEE P802.3bj initial
  - IEEE P802.3bj 1st recirculation

- Sponsor Ballots:
  - IEEE P802.3.1 (IEEE 802.3.1a) 2nd recirculation
  - IEEE P802.3bk initial
  - IEEE P802.3bk 1st recirculation

- Sponsor Ballots group formations
  - None

Documents for July business

- IEEE P802.3bk Extended EPON Task Force
  - IEEE P802.3bk/D3.1 and 1st Sponsor recirculation ballot comments
- IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force
  - IEEE P802.3bj/D2.1 and 1st Working Group recirculation ballot comments
- IEEE 802.3 Distinguished Minimum Latency traffic Study Group
  - IEEE P802.3br Amendment: Specification and Management Parameters for Interspersing Express Traffic draft PAR and 5C

Membership and attendance recording Membership requirements

- Membership requirements (gaining and retaining)
  - 75% attendance at 2 of last 4 plenary sessions (a qualifying interim may be substituted for one plenary)
  - Request to become member during IEEE 802.3 potential voter agenda item
  - Participate in 2 of last 3 WG ballots (retaining membership)
  - Maintain valid contact information
  - Consistent declaration of affiliation

Membership and attendance recording
Meeting attendance tool procedures

Adam Healey

IEEE 802.3 Working Group Secretary

adam.healey@lsi.com

Membership and attendance recording
Review of membership

- ## IEEE 802.3 voters

  http://www.ieee802.org/3/minutes/jul13/0713_voters.pdf

- ## IEEE 802.3 voter in peril

  http://www.ieee802.org/3/minutes/jul13/0713_peril.pdf

- ## IEEE 802.3 potential voters

  http://www.ieee802.org/3/minutes/jul13/0713_potential.pdf

Abaye, Ali

Abbas, Ghani

Abbott, John

Abramson, David

Abughazaleh, Shadi

Allard, Michel

Amleshi, Peerouz

Anderson, Jon

Anslow, Peter

Balasubramanian, Koussalya

Baldwin, Thananya

Barnett, Barry

Barr, David

Barrass, Hugh

Bates, Stephen

Beaudoin, Denis

Ben-Artsi, Liav

Bennett, Michael

Bergey, Chris

Bevilacqua, John

Bhatt, Vipul

Bhoja, Sudeep

Bliss, William

Booth, Brad

Boyd, Edward

Braun, Ralf-Peter

Breuer, Dirk

Brophy, Timothy

Brown, Alan

Brown, Kevin

Brown, Matthew

Bugg, Mark

Carlson, Steve

Carroll, J. Martin

Casher, Patrick

Chadha, Mandeep

Chalupsky, David

Chang, Fuhlim

Chang, Jacky

Chang, Xin

Cheng, Wheling

Chou, Joseph

Choudhury, Golam

Cibula, Peter

(44/245)

IEEE 802.3 voters
July 2013 (page 2 of 6)

Cideciyan, Roy

Cole, Christopher R

Cook, Charles

Cui, Kai

Dai, Eugene

Dai, Shaoan

Dambrosia, John

Darling, Mike

Darshan, Yair

Dawe, Piers

Delveaux, William

Diab, Wael

Dickinson, John

Diminico, Chris

Donahue, Curtis

Donnay, Beth

Dove, Dan

Dudek, Mike

Dwelley, David

Elbakoury, Hesham

Erba, Simone

Estes, David

Ewen, John

Farhoodfar, Arash

Flatman, Alan

Forbes, Harry

Frazier, Howard

Ganga, Ilango S.

Garavaglia, Andrea

Ghiasi, Ali

Grimwood, Michael

Grow, Robert

Gundubogula, Sudhakar

Gustlin, Mark

Hajduczenia, Marek

Hamano, Hiroshi

Hammond, Bernie

HANNA, Charaf

Healey, Adam

Heath, Jeffrey

Hidaka, Yasuo

Hogenmueller, Thomas

Holden, Brian

Horner, Rita

Hou, Victor

(89/245)

IEEE 802.3 voters
July 2013 (page 3 of 6)

Huang, Liang-wei

Huang, Xi

Irwin, Scott

Isono, Hideki

Iwaoka, Mitsuru

Jain, Rajeev

Jewell, Jack

Jiang, Wenbin

Jimenez, Andrew

Jones, Chad

Kasturia, Sanjay

Kawatsu, Yasuaki

Keeley, James

Kelsen, Michael

Kim, Yong

Kimmitt, Myles

King, Jonathan

Kinnard, Brian

Kipp, Scott

Kliger, Avi

Ko, Dylan

Koenen, David

Kolesar, Paul

Kolze, Tom

Kono, Masashi

Kosanovich, Keith

Kramer, Glen

KUO, ALBERT

Kvist, Bengt

Lackner, Hans

Larsen, Wayne

Latchman, Ryan

Laubach, Mark

Law, David

Le Cheminant, Greg

Lewis, David

Li, Mike Peng

Lingle, Robert

Liu, Alexander

Liu, Zhenyu

Lusted, Kent

Lutz, Sharon

Maguire, Valerie

Maki, Jeffery J.

MALKIMAN, YONATAN

(134/245)

IEEE 802.3 voters
July 2013 (page 4 of 6)

Mallette, Edwin	Montojo, Juan	Parthasarathy, Vasu
Marris, Arthur	Montreuil, Leo	Patel, Pravin
Martin, Arlon	Moore, Charles	Pepeljugoski, Petar
Matheus, Kirsten	Nakamoto, Edward	Pepper, Gerald
Matsuda, Shougo	Nicholl, Gary	Perrie, Randy
Mcclay, Phil	Nielsen, Allan	Petrilla, John
McCormack, Michael S.	Nikolich, Paul	Pietsch, Christian
Mcdermott, Thomas	Nishihara, Susumu	Pimpinella, Rick
McDonough, John	Noll, Kevin	Powell, William
McNarney, Martin	Nordin, Ronald	Prodan, Richard
Meghelli, Mounir	Nowell, Mark	Rabinovich, Rick
Mei, Richard	Ofelt, David	Rahman, Saifur
Meier, Wolfgang	Palkert, Tom	Rajkotia, Purva
Mellitz, Richard	Pardo, Carlos	RAN, ADEE
misek, brian	Parnaby, Gavin	Remein, Duane

(179/245)

Ressl, Michael

Rimboim, Poldi (Pavlick)

Salinger, Jorge

Salunke, Vineet

sambasivan, Sam

Sayre, Edward

Schmitt, Matthew

Searles, Shawn

Sela, Oren

Shanbhag, Megha

Shariff, Masood

Shellhammer, Stephen

Shen, Bazhong

Sheth, Siddharth

Shrikhande, Kapil

Slavick, Jeff

Solomon, Joe

Sommers, Scott

Sparrowhawk, Bryan

Sprague, Edward

St Peter, Matthew

Staniec, Thomas

Stassar, Peter

Stevens, Daniel

Sugawa, Jun

Sundaresan, Karthik

Suzuki, Ken-Ichi

Swanson, Steve

Szczepanek, Andre

TAJIMA, AKIO

Takahata, Kiyoto

Tanaka, Toshiki

Tawa, Katsuhisa

TAZEBAY, MEHMET

Teipen, Brian

Teixeira, Antonio L

Thompson, Geoffrey

Toyoda, Hidehiro

Tracy, Nathan

Tremblay, Francois

Trowbridge, Stephen

Ulm, John

Umnov, Alexander

Vaden, Sterling A.

Valle, Stefano

(224/245)

IEEE 802.3 voters
July 2013 (page 6 of 6)

Vanderlaan, Paul

Varanese, Nicola

VLASOV, YURII

Wagner, Robert

Wall, Bill

Wang, Xiaofeng

WANG, Zhong Feng

Warland, Tim

Warren, David

Winkel, Ludwig

Wong, Ching

Woodruff, Bill

wu, guangsheng

Wu, Peter

Xu, Yu

Zambell, Andrew

zang, meiyan

Zhang, James

Zhao, Wenyu

Zimmerman, George

Zivny, Pavel

(245/245)

IEEE 802.3 voter in peril
July 2013

If your name is on this list AND you wish to remain an 802.3 Voter you need to make sure that you register your attendance every day that you are in 802.3 and declare your affiliation. "Voter in Peril" means that the persons listed will not be voters after this session unless they meet the "full attendance" requirement. That is, 75% credited attendance at two of the last four plenary sessions, with a qualified interim TF session allowed to substitute for one of the plenary sessions

Abaye, Ali

Chang, Fuhlim

Dai, Eugene

Ganga, Ilango S.

Jain, Rajeev

Kimmitt, Myles

Latchman, Ryan

Le Cheminant, Greg

Mcclay, Phil

McCormack, Michael S.

Meghelli, Mounir

Sayre, Edward

Searles, Shawn

Shanbhag, Megha

Shariff, Masood

Teixeira, Antonio L

Umnov, Alexander

Zhang, James

IEEE 802.3 potential voters
July 2013 (page 1 of 3)

1 Anglade, Ony

2 Arunarthi, Venkat

3 Babenko, Oleksandr

4 Beia, Christian

5 Bernstein, Gary

6 Brown, David

7 Brownlee, Phillip

8 Brun, Boris

9 Coenen, Robert

10 Cooper, William

11 Crepin, J.

12 Dai, Y

13 fang, liming

14 Frosch, Richard

15 Gardner, Mike

16 Goell, James

17 Goswami, Sanjay

18 Hall, Eric

19 Herman, Carl

20 Joetten, Christoph

21 Kaku, Shinkyo

22 Keasler, William

23 Kish, Paul

24 Knittle, Curtis

25 Kumar, C

26 Langhammer, Martin

IEEE 802.3 potential voters
July 2013 (page 2 of 3)

27 Li, Shaohua

28 Ma, Yiran

29 Mooney, Paul

30 Moorwood, Andy

31 Muth, Karlheinz

32 Nolan, John

33 O'Hara, Steven

34 Ogura, Ichiro

35 Peters, Michael

36 Rahman, Syed

37 Shang, Song Quan

38 Song, Xiaolu

39 Sparacin, Daniel

40 Suermann, Thomas

41 Swenson, Norman

42 Szeto, William

43 TAKAHARA, TOMOO

44 Tanaka, Keiji

45 Theodoras, James

46 Tremblay, David

47 Umeda, Daisuke

48 Valliappan, Magesh

49 Vareljian, Albert

50 Vieira, Amarildo

51 Walker, Clinton

52 Wang, Robert

IEEE 802.3 potential voters
July 2013 (page 3 of 3)

53 weirich, Andreas

54 Xu, Junyi

55 Yurko, Garold

56 Zeng, Li

Reflectors and Working Group information

- IEEE 802.3 Working Group reflector <stds-802-3@ieee.org>
  - Not general discussion reflector
  - Subscription limited to members and observers
  - Monitored reflector for announcements of WG business
  - Archive is password protected
- IEEE 802.3 dialog reflector <stds-802-3-dialog@ieee.org>
  - Location for appropriate non project related discussion
- Meeting announcements
  - Sent to IEEE 802.3 and relevant TF/SG reflector(s)
- IEEE 802.3 TF/SG reflectors
  - Location for appropriate project related discussion
  - Subscription instructions are on the related TF/SG web page
- IEEE 802.3 Working Group web site
  - www.ieee802.org/3
  - Private areas access information announced in reports

IEEE 802.3 Working Group Treasurer's Report

Valerie Maguire

IEEE 802.3 Working Group Treasurer

valerie_maguire@siemon.com

IEEE-SA Standards Board IEEE 802.3 related actions since March

- NesCom recommendations (May continuous processing)
  - IEEE P802.3bq 40GBASE-T
    - PAR approved
  - IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet
    - PAR modification approved

- RevCom recommendations (June IEEE-SASB meeting)
  - IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIB (revision)
    - Standard approved

- ICCom recommendations (June IEEE-SASB meeting)
  - IEEE 802.3 Higher Speed Ethernet consensus Ad Hoc
    - Activity disbanded

IEEE-SA Standards Board
June 2013 meeting highlights

- ICCom
  - ICCom IPR Ad Hoc

- ProCom
  - Public review Ad Hoc

- PatCom
  - Enforcement agencies challenges Ad Hoc

- IEEE-SA Standards Board
  - ICCom Work Product Scope Ad Hoc
  - Sponsor Overlap Ad Hoc

IEEE 802 Executive Committee report (p.1)

- IEEE 802 rules meeting
  - Proposed changes to IEEE 802 5 Criteria
    - Comments due 18h00 Wednesday
    - Responses due 12h00 Thursday

- ISO/IEC JTC 1
  - IEEE 802 sent delegation to recent Seoul meeting
    - Proposal that IEEE 802 retains maintenance responsibility approved

- Treasury
  - Reserve of $1.1M
  - Fee waivers for SDO representatives

IEEE 802 Executive Committee report (p.2)

- IEEE 802 Overview and Architecture
  - Activities this week
    - Close out comments
    - Proceed to sponsor recirculation
  - Meetings times
    - Tuesday 10:30 to 12:30
    - Thursday 10:30 to 12:30

IEEE 802 Executive Committee report (p.3) Meeting for the week

Sunday 7:00-9:30pm LMSC Rules Review (ITU Room L2)

Monday 11-noon ITU/802 Welcome meeting (CICG-2)

Monday 6:30-10:30 Tutorials

Tuesday 8-9am University Outreach Orientation (ITU Room L2)

Tuesday 10:30-12:00 Spectrum Sharing and White Space (CICG room 4)

Tuesday 10:30-12:00 802 Architecture (room: ITU Room L2)

Tuesday 1:30pm-3:30pm JTC1/SC6 ad hoc (cross 802 related topic, ITU Room L2)

Tuesday 5-6pm 802 Chair's "open office hours" – ITU Room L2

Tuesday 6-7pm Future Venue details – ITU Room L2

Wednesday 1:30pm-3:30pm JTC1/SC6 ad hoc (cross 802 related topic, ITU Room L2)

Thursday 10:30-12:30 802 Architecture (room: tbd)

Thursday 10-noon IEEE 802 Task Force (ITU Room L2)

Thursday 1:30pm-3:30pmJTC1/SC6 ad hoc (cross 802 related topics, room: ITU Room L2)

IEEE 802 Executive Committee report (p.4) IEEE 802 Task Force tentative agenda

1. getIEEE 802 review revised agreement (McCabe)
2. Next generation publishing program status update (Penciak)
3. Addition to liaison categories to international SDOs (Haasz)
4. Telecoms Technology Association (S. Korea) request for input (Haasz)
5. Status update on SA Internet of Things initiative (Diab)
6. Any Other Business?
7. Action item review – Nikolich
8. Adjourn

IEEE-SA Internet of things (IoT) groups

Wael William Diab

IEEE 802.3 Working Group Vice-Chair

wdiab@broadcom.com

Items of interest: SIIS

- Subsea Instrumentation Interface Standardisation (SIIS)
  - Scope
    - Subsea production system instruments interfacing directly to the Subsea Control Module
  - 32 Members
    - Oil companies, Subsea Control System suppliers and subsea sensor vendors
  - Defining 3 Levels of device
    - Level 1- Analogue Devices (4-20 mA sensors)
    - Level 2 - Digital Serial Devices (CANopen)
    - Level 3 - Ethernet TCP/IP Devices
  - For more information see <http://www.siis-jip.com/>

Items of interest: IEEE PC62.69

- Title
  - Standard for the Surge Parameters of Isolating Transformers Used in Networking Devices and Equipment

- Scope
  - This standard sets terms, test methods, test circuits, measurement procedures and preferred result values for the surge parameters of isolating transformers used in networking devices and equipment. Three types of isolating transformer are considered; mains low frequency power, high frequency power (switching mode power supplies) and signal (e.g. Ethernet data). The surge parameters of the isolating transformer insulation barrier covered by this standard are:
    - Rated impulse voltage
    - Input winding to output winding capacitance
    - Insulation resistance
  - Additional parameters for signal isolating transformers are:
    - Core saturation voltage-time product
    - Rated input winding rms current for a given temperature rise
  - This standard does not cover the transformer parameters required to ensure appropriate operation on the service e.g. signal transformer return loss.

Items of interest: IEEE PC62.69

- Purpose
  - The purpose of this standard is to define a series of transformer impulse withstand voltage ratings that are higher than those of IEEE Std 802.3™ B1] to mitigate uncontrolled environment transformer insulation failure and consequent equipment malfunction. In the interests of International standardization the voltage values used are harmonized with the series defined in IEC 60664-1[B2] for low-voltage equipment insulation coordination. This IEEE standard is applicable to home networking installations, which are typically uncontrolled environments, where the surge voltage levels and the corresponding required transformer impulse withstand voltages can be higher than the LAN A controlled environment as defined by IEEE Std 802.3(TM) [B1].

- Need for the Project
  - Reduction of LAN equipment and device failures in uncontrolled or severe surge environments through use of higher voltage rated isolation transformers

- Project URL:
  - http://standards.ieee.org/develop/project/C62.69.html

- PAR URL (requires myProject login):
  - https://development.standards.ieee.org/get-file/PC62.69.pdf?t=78672900003

Items of interest

- ## DKE 1Gb/s Polymer Optical Fibre (PoF)
  - Received liaison letter at November 2012 meeting

- ## Time Synchronization Activities
  - Time: Wednesday 11:00AM
  - Duration: 1 Hour
  - Room: 400Gb/s Study Group (CICG-Room 2)

- ## Joint IEEE 802.1 TSN / IEEE 802.3 DMLT
  - Time: Wednesday 9:00AM
  - Duration: 1 Hour
  - Room: DMLT Study Group (ITU-Room M2)

IEEE 802 Executive Committee report (p.5) Tutorials

- Session #1, Monday 6:00 PM to 7:30 PM
  - White Rabbit - Ethernet-based solution for sub-ns synchronization and deterministic, reliable data delivery

- Session #2, Monday 7:30 PM to 9:00 PM
  - Interspersing Express Traffic on IEEE 802.3

- Session #3, Monday 9:00 PM to 10:30 PM
  - IEEE-SA IoT Effort Overview and FAQs

Continuing Agenda ...