



# **IEEE 1904 ANWG Opening Report**

Glen Kramer, ANWG Chair  
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- Please, state
  - Your name
  - Your affiliation

## **IEEE SA Standards Board Operations manual**

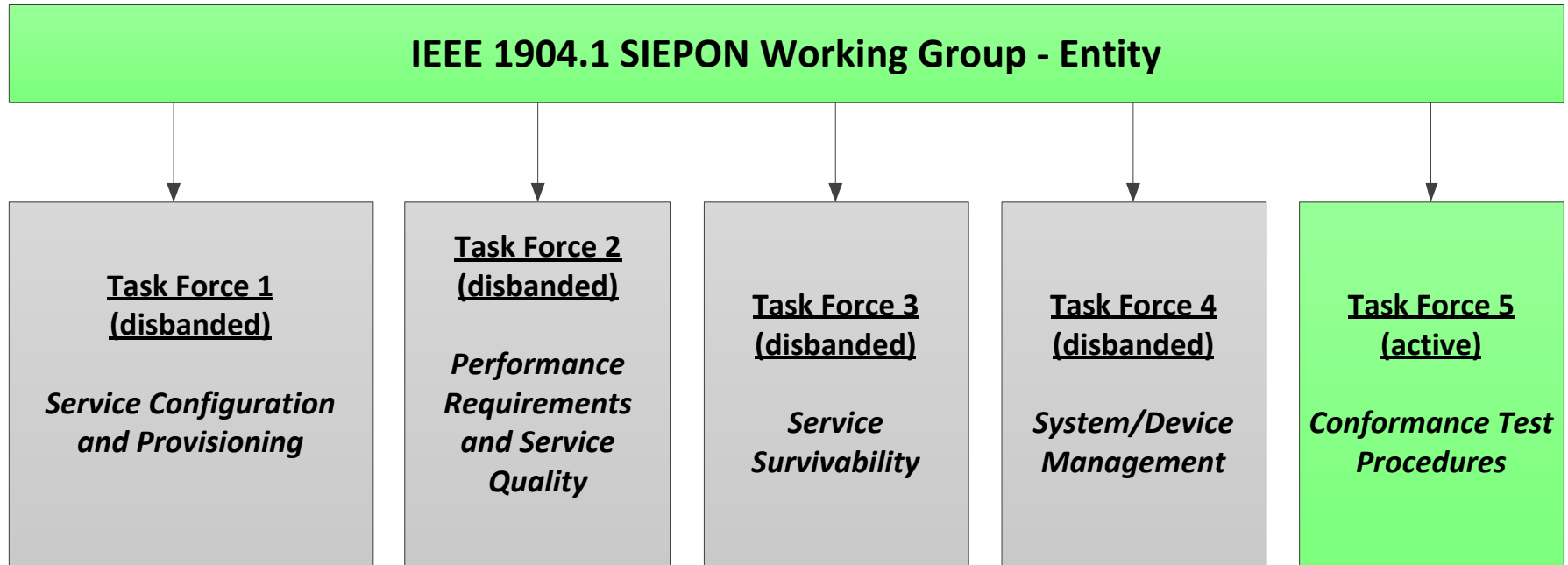
### **5.3.3.1 Disclosure of affiliation**

Each participant's affiliation shall be disclosed at any working group or project meeting. The chair or the chair's delegate shall inform the meeting of the requirement for disclosure of affiliation (see 5.2.1.5 of the *IEEE-SA Standards Board Bylaws*). This shall be via a sign-in (e.g., sign-in sheet, electronic sign-in, verbal disclosure, or electronic communication) that provides for disclosure of employer and any other affiliation, a reminder of the definition of affiliation, and possible penalties for non-compliance.

...

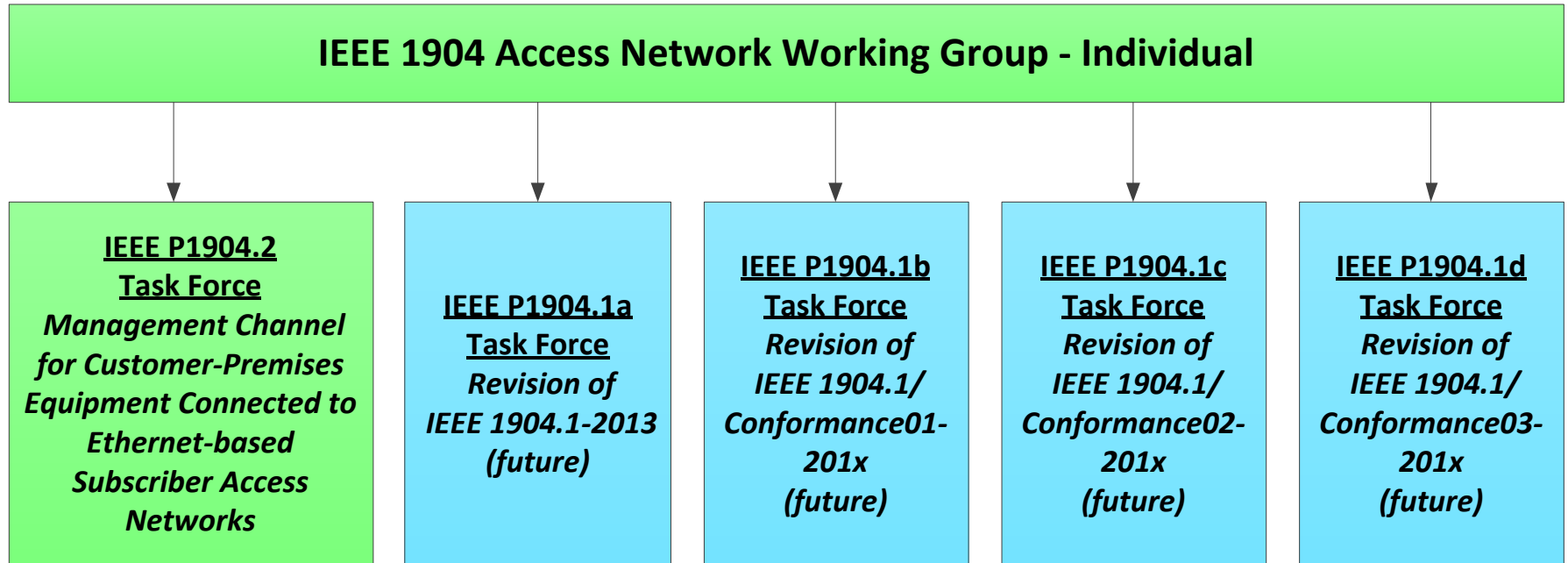
The minutes of each working group or project meeting shall record a list of attendees and the disclosed affiliation of each attendee.

# 1904.1 SIEPON WG Organization



- ❑ Work on 1904.1 draft was divided among 4 task forces: TF1-TF4.
  - This work has been completed and the task forces were disbanded in June 2013.
- ❑ TF5 was formed to work on Conformance PARs and is the only active task force now
  - Working on 3 Conformance drafts.

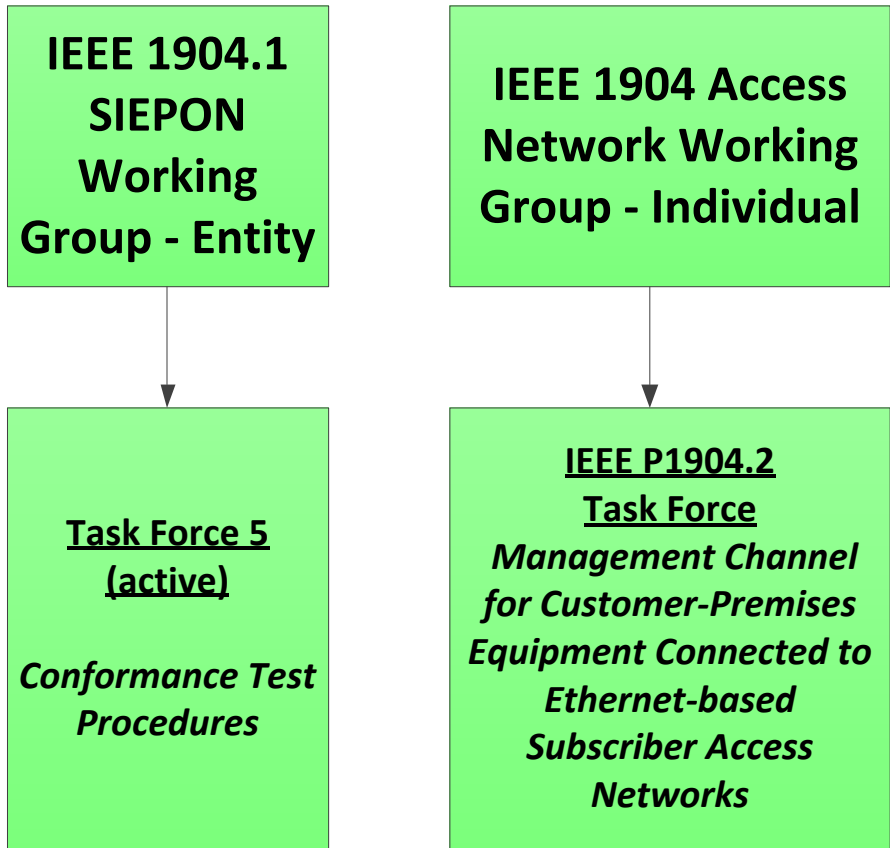
# 1904 ANWG Organization



## □ 1904 becomes a working group

- Scope is broader than SIEPON – everything *access-related*
- Individual-based

1. Operate 1904 Working Group in parallel to 1904.1 SIEPON WG
2. Disband 1904.1 Working Group after completion of Conformance Sponsor Ballot and approval of Conformance standards.
3. IEEE 1904 Working Group will take ownership of published IEEE std 1904.1 and IEEE std 1904.1/Conformance01/02/03 – 201x. 1904 WG will be responsible for future maintenance of these standards.



- ❑ Discuss Policies and Procedures
- ❑ Discuss Operations Manual
- ❑ Decide on Electing vs. Appointing Officers  
(possibly initiate nomination period)
- ❑ Produce draft for Call for Participation
- ❑ Hear two technical presentations
- ❑ Discuss and approve Liaison response to Q1/15

# Motion to Approve the Agenda

## Motion #1

- ❑ **Approve the agenda for the June 2014 meeting as presented in `anwg_1406_agenda.pdf`**

- Moved: Raz Gabe
- Seconded: Marek Hajduczenia

(Procedural, required > 50%)

Motion passed by voice vote without opposition



# Call for Patents



# 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.



# 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



# 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](mailto: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>

# 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

# 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.**

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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.



# **Project Information and Status**

- ❑ No Audio recording, No Video recording, and No photography
- ❑ No job recruiting
- ❑ NO product pitches
- ❑ NO corporate pitches
- ❑ NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- ❑ NO restrictive notices
  
- ❑ Attendance of the press should be announced

- ❑ Located at <http://www.ieee1904.org/>
- ❑ Archived technical contributions and email archives are public
  - Discuss
- ❑ TF2 Password-protected area
  - Standard drafts are password-protected (IEEE SA rules)
  - TF2 technical contributions is password-protected to avoid spam.  
[http://www.ieee1904.org/2/private/tf2\\_presentproc.shtml](http://www.ieee1904.org/2/private/tf2_presentproc.shtml)
  - TF2 password is: \*\*\*\*\*



- IEEE 1904 Working Group shall keep all meeting materials, including technical proposal from members, in a publicly-accessible web directory.
  - Standard drafts are to remain in password-protected directory
  - Moved: Raz Gabe
  - Seconded: Marek Hajduczenia
  - (Procedural, required > 50%)
  - Y:11    N:0    A:0

- ❑ IEEE 1904 Working Group shall adopt the case 1 per the baseline Policies and Procedures (Chair appointed and Chair appoints other officers)
- ❑ Extend the term of office to two years for each officer.

– Moved: Marek Hajduczenia

– Seconded: Raz Gabe

– (Procedural, required > 50%)

– Y: 13    N:0    A:0

- ❑ IEEE 1904 Working Group shall adopt the Policies and Procedures as shown in **anwg\_1406\_draft\_PnP\_v02.pdf**
- ❑ Request the WG Chair to forward these Policies and Procedures to the Sponsor for approval.

- Moved: Raz Gabe
- Seconded: Mark Laubach

- (Requires  $\geq 2/3$ )
- Y:12    N: 0    A:0

The 1904 Working Group shall adopt the following Working Group Charter:

The IEEE 1904 Access Networks Working Group (ANWG) uses an open and accredited process to develop standards for access networks. The Working Group technical expertise covers various optical access architectures based on Ethernet Passive Optical Networks (EPON), such as fiber-to-the-home, fiber-to-the-business, and cellular backhaul.

The ANWG embraces the system-level view of the access network and focuses on functions and protocols required for operating and managing the emerging multi-service and high-capacity communications networks.

- Moved: Raz Gabe
- Seconded: Marek Hajduczenia
- (Requires  $\geq 2/3$ )
- Y: 13    N:0    A:0

## ❑ Public **WG** reflector

- Used for general WG announcements (meetings, calls for contributions, etc.)
- To subscribe, send email to **listserv@ieee.org** and include this line in the *body of the message*:  
***subscribe stds-1904-wg*** *firstname lastname*
- Archive is public  
([http://www.ieee1904.org/wg\\_pub\\_archive.shtml](http://www.ieee1904.org/wg_pub_archive.shtml))

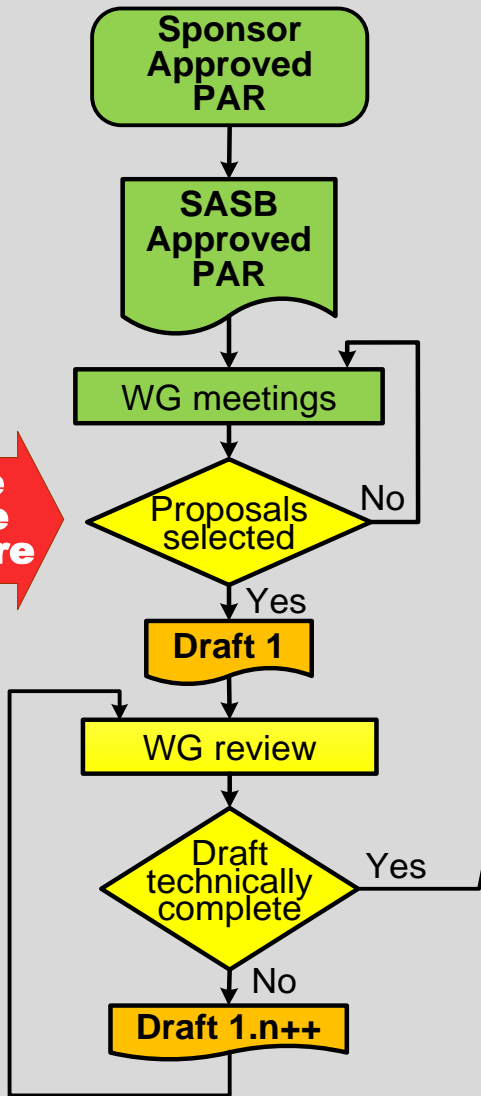
## ❑ Public **TF2** reflector

- Used for TF2 technical discussions
- To subscribe, send email to **listserv@ieee.org** and include this line in the *body of the message*:  
***subscribe stds-1904-2-TF*** *firstname lastname*
- Archive is public  
([http://www.ieee1904.org/2/tf2\\_pub\\_archive.shtml](http://www.ieee1904.org/2/tf2_pub_archive.shtml))

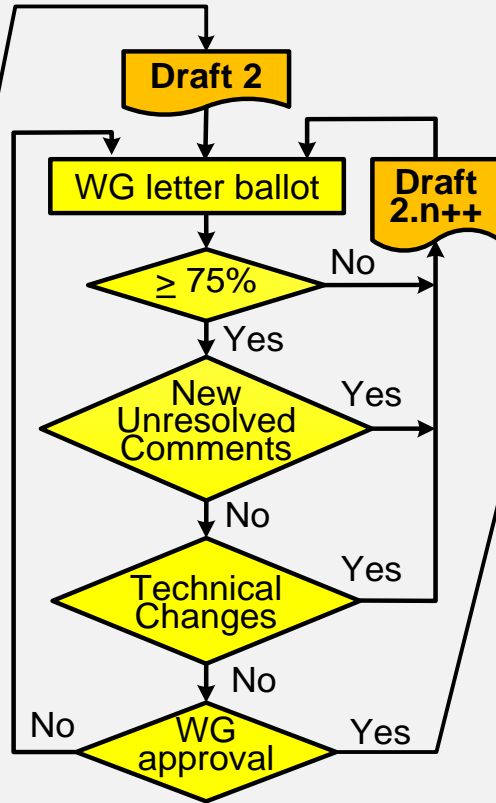
# Standardization Process



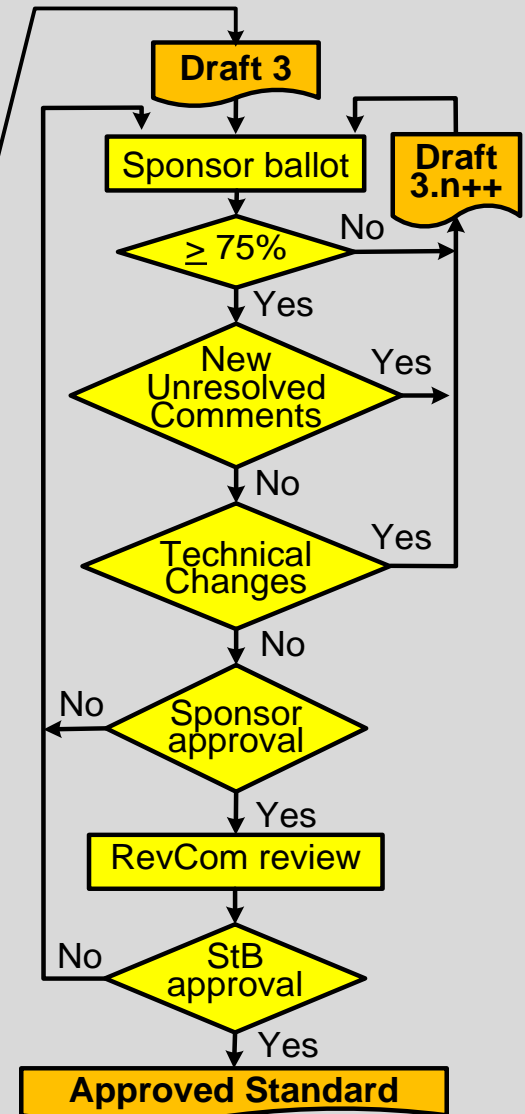
**We are here** →



Working Group Review



Working Group Ballot



Sponsor Ballot

# 2014 Meeting Calendar



January						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

March						
Su	Mo	Tu	We	Th	Fr	Sa
2	3	4	5	6	7	1/8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

September						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24	25	26	27	28	29

December						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

ANWG window	IEEE 802.3	BBF	CableLabs	ITU-T/FSAN	Conferences
2/11-2/13	1/20-1/24	3/10-3/14	3/2-3/5 – Winter Conf.	FSAN: 2/17-2/21	3/9-3/16 - OFC
4/23 – 4/25	3/16-3/21	6/23-6/27	8/3-8/6 – Summer Conf.	SG15: 3/24-4/4	4/5-4/10 - NAB
6/16-6/20	5/12-5/16	9/15-9/19		FSAN: 5/5-5/9	4/29-5/1 – Cable Show
8/18-8/22	7/13-7/18	12/8-12/12		FSAN: 9/1-9/5	9/21-9/25 - ECOC
10/20-10/24	9/8-9/12			FSAN: 10/27-10/31	*10/15-10/17 - SCTE Expo
12/1-12/5	11/2-11/7			SG15: 11/24 – 12/5	

Holidays	
China	1/30-2/5, 4/5-4/7, 5/1-5/3, 5/31-6/2, 9/6-9/8, 10/1-10/7
Israel	3/13-3/17, 4/14-4/22, 6/3-6/5, 9/24-9/26, 10/3-10/4, 10/8-10/15, 12/16-12/24
Japan	1/1-1/3, 1/13, 2/11, 3/21, 4/29, 5/5-5/6, 7/21, 9/15, 9/23, 10/13, 11/3, 11/24, 12/23 [8/9-8/17 – summer vacation]. [12/27-1/4/15 – winter vacation]
US	1/1, 5/26, 7/4, 9/1, 11/27-11/28, 12/24-12/31

- ❑ February 25-27 – **CableLabs, Sunnyvale**
- ❑ April – **Teleconference**
- ❑ June– **CableLabs** (Thursday: joint workshop with BBF)
- ❑ August – **IEEE SA, Amsterdam**
- ❑ October – Host is needed
- ❑ December – Host is needed





**Thank You**