



# IEEE 1904 ANWG Opening Report

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# Executive Secretary Report

- Membership Updates
- Roll-call and Establishment of Quorum

# Agenda for the meeting



DAY 1: Tuesday, April 30th, 2019				
Item	Title	Duration	Start time	Stop time
1	<b>Call to Order</b> -- Introductions / Declarations of affiliation -- Goals for this meeting	0:05	4:30 PM	4:35 PM
2	<b>Executive Secretary report</b> -- Verification of attendance credit -- Voting membership updates -- Establishment of quorum	0:05	4:35 PM	4:40 PM
3	<b>Approval of the agenda</b>	0:05	4:40 PM	4:45 PM
4	<b>Approval of previous meeting minutes</b>	0:05	4:45 PM	4:50 PM
5	<b>IEEE Patent Policy</b> -- Call for Patents	0:05	4:50 PM	4:55 PM
6	<b>Treasurer's report (Z. Zhou)</b>	0:05	4:55 PM	5:00 PM
	<b>Response to BBF liaison letter re. SIEPON YANG Model</b>	0:20	5:00 PM	5:20 PM
7	<b>Review of Received Maintenance Requests</b>	0:00	5:20 PM	5:20 PM
8	<b>1904.2 Discussion</b>	1:00	5:20 PM	6:20 PM
9	<b>WG closing report (G. Kramer)</b> -- Motions -- Work plan and action items	0:05	6:20 PM	6:25 PM
10	<b>Unfinished business</b>	0:00	6:25 PM	6:25 PM
11	<b>New business</b>	0:00	6:25 PM	6:25 PM
12	<b>Adjourn</b>		6:25 PM	

# Motion to Approve the Agenda

## Motion #1

- Approve the agenda for the April 2019 meeting as presented in `anwg_1904_agenda.pdf`

- Moved:
- Seconded:

(Procedural, required > 50%)

Motion passed by voice vote without opposition

## Motion #2

- ❑ Approve minutes of October 2019 meeting as recorded in **anwg\_1810\_minutes\_unapproved.pdf**
- ❑ Post the approved minutes on the WG website as **anwg\_1810\_minutes\_approved.pdf**

- Moved:
- Seconded:

(Procedural, required > 50%)



# **Call for Patents and Other Guidelines**

# 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 14 and 15 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**
  - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of 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 or video recording
- 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 reflector messages are public
- ❑ ANWG Password-protected area
  - Standard drafts are password-protected (IEEE SA rules)
  - All online submission forms are password-protected to avoid spam.
    - TF2: [http://www.ieee1904.org/private/2/tf2\\_presentproc.shtml](http://www.ieee1904.org/private/2/tf2_presentproc.shtml)
    - ~~TF3: [http://www.ieee1904.org/private/3/tf3\\_presentproc.shtml](http://www.ieee1904.org/private/3/tf3_presentproc.shtml)~~
    - RMTF: [http://www.ieee1904.org/private/revision/rmtf\\_maint\\_request.shtml](http://www.ieee1904.org/private/revision/rmtf_maint_request.shtml)
  - The same username/password for all task forces under 1904 WG
    - Username:     \* \* \* \*
    - Password:    \* \* \* \*

## ❑ 1904 WG Reflector

- Used for general discussions/announcements. **Everyone MUST subscribe!!!**
- Archive is public: [http://www.ieee1904.org/wg\\_pub\\_archive.shtml](http://www.ieee1904.org/wg_pub_archive.shtml)
- Subscription instructions: [http://www.ieee1904.org/wg\\_reflector.shtml](http://www.ieee1904.org/wg_reflector.shtml)

## ❑ 1904.2 TF Reflector

- Used for 1904.2 (Universal Management Tunnel) technical discussions
- Archive is public: <http://www.ieee1904.org/2/email/index.html>
- Subscription instructions: [http://www.ieee1904.org/2/tf2\\_reflector.shtml](http://www.ieee1904.org/2/tf2_reflector.shtml)

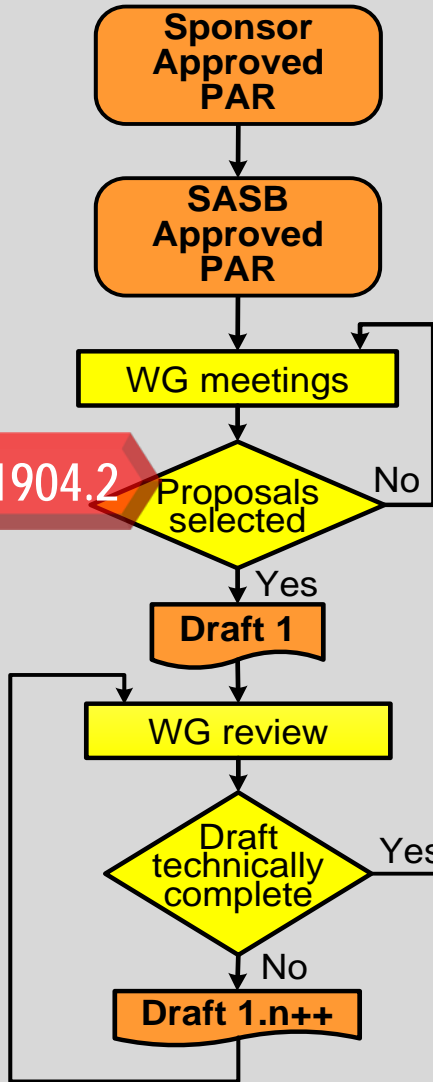
## ~~❑ 1904.3 TF Reflector~~

- ~~– Used for 1904.3 (Radio-over-Ethernet) technical discussions~~
- ~~– Archive is public: <http://www.ieee1904.org/3/email/index.html>~~
- ~~– Subscription instructions: [http://www.ieee1904.org/3/tf3\\_reflector.shtml](http://www.ieee1904.org/3/tf3_reflector.shtml)~~

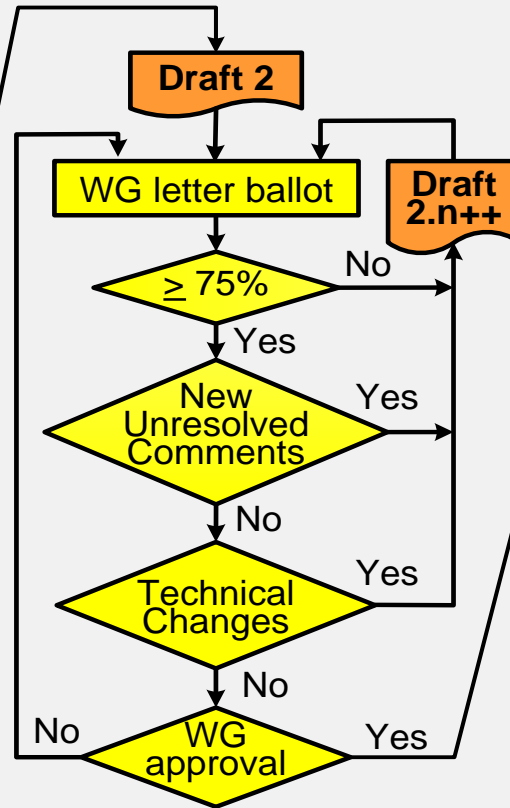
## ❑ RMTF Reflector

- Used for Revision & Maintenance technical discussions
- Archive is public: <http://www.ieee1904.org/3/email/index.html>
- Subscription instructions: [http://www.ieee1904.org/revision/rmtf\\_reflector.shtml](http://www.ieee1904.org/revision/rmtf_reflector.shtml)

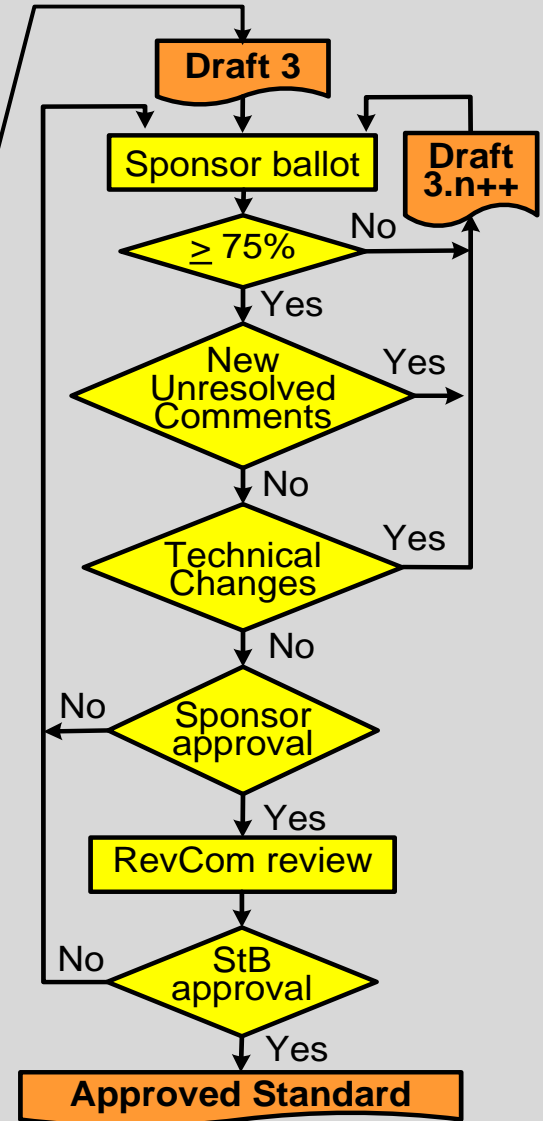
# Standardization Status



Working Group Review



Working Group Ballot



Sponsor Ballot 16





# General Working Group Matters

- ❑ Located here:

[http://www.ieee1904.org/meeting\\_archive/2019/04/anwg\\_1904\\_treasurer\\_report.pdf](http://www.ieee1904.org/meeting_archive/2019/04/anwg_1904_treasurer_report.pdf)

# Higher-Layer specifications for 802.3ca

- ❑ As 802.3ca nears the WG ballot phase, it is the right time to discuss a timeline for a companion standard to cover higher-layer functions of 25G-EPON/50G-EPON.
- ❑ **What needs to be covered:**

Feature in 1904.1	New capabilities or changed behavior in 802.3ca
Multicast provisioning	Based on multicast ULID
Queue service discipline	New behavior due to fragmentation
Report format and queue length calculation	New behavior: gratuitous reports, dynamic reporting priorities
Transceiver status monitoring	Similar, but should be wavelength-specific
Port selective loopback	Maybe different to enable inter-channel loopback
Optical link protection	New behavior in multi-channel PON
Data encryption	New, envelope based
Power saving	New, multi-channel mode
Events and management attributes	New attributes and events/alarms; ULID provisioning; GLID definitions, scheduling policies, and member management
Device and capability discovery	New capabilities (fragmentation, multiple channels, etc.)

- ❑ **Possible reuse:** VLAN and tunneling modes; Performance monitoring; ONU authentication; Software update.

- ❑ Should we do it?
- ❑ Should we start the new project under IEEE 1904 Access Networks Working Group, or some other SDO/WG?
- ❑ Should we amend IEEE 1904.1 SIEPON (i.e. Package D) or start a new standard (i.e., IEEE P1904.4?)?
- ❑ When would be the right time to start?
  - When 802.3ca goes into Sponsor ballot (~November 2019)
  - When 802.3ca goes to RevCom (~May 2020)
  - When 802.3ca amendment is approved by SASB (~August 2020)
  - Other target dates?

# Liaison Communication from BBF

- ❑ Located here:  
[http://www.ieee1904.org/meeting\\_archive/2019/04/anwg\\_1904\\_ils\\_bbf\\_258.pdf](http://www.ieee1904.org/meeting_archive/2019/04/anwg_1904_ils_bbf_258.pdf)
- ❑ Received December 12, 2018, but we have not had a WG meeting since October 2018.
- ❑ This is a response to our previous letter:  
[http://www.ieee1904.org/meeting\\_archive/2018/08/anwg\\_1808\\_LS\\_BBF\\_outgoing.pdf](http://www.ieee1904.org/meeting_archive/2018/08/anwg_1808_LS_BBF_outgoing.pdf)
- ❑ Need to generate a response at this meeting



**Thank You**