



## **Approved by General Counsel**

TR-34 Meeting Report

Date(s): 09/17/2015 - 09/17/2015

Location: TIA HQ

Approved: 12/21/2015

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**TITLE:** TR 34 Meeting Report

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**DATE:** September 17, 2015

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**SOURCE:** Hughes Network Systems, Inc.

**AUTHOR:** Tony Noerpel (HNS)  
Phone: 301-601-7449  
Email: [anthony.noerpel@hughes.com](mailto:anthony.noerpel@hughes.com)

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**RECOMMENDATION:** Review and Approve

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**TR 34 Working Group**  
**SATELLITE EQUIPMENT & SYSTEMS**  
**MEETING REPORT**  
**September 17, 2015**

**1. Call to Order and Introduction**

The Standards Committee, Satellite Equipment & Systems, TR 34, met on Thursday, September 17, 2015 at TIA's headquarters, 1320 North Courthouse Road, Arlington, Virginia and via teleconference. The Chair welcomed the participants and called the meeting to order at approximately 9:00 a.m.

GoToMeeting Dial-In & Screen Share Provided prior to meeting

The meeting ID for signing in was announced at the meeting.

**IMPORTANT NOTICE OF PARTICIPATION**

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**Intellectual property rights (early disclosure policy)**

The chairman read the TIA IPR statement, as found in the TIA Standards Development Procedures.

“TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX D) and other clauses and annexes of this document. Participants in the work of the TIA Formulating Groups are urged to review the appropriate sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication, including requirements introduced through normative references, early on in the development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with a TIA Patent Holder Statement with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.”

“TIA has an Intellectual Property Rights (IPR) Policy. We call to the attention of participants and attendees that TIA's Policy is to encourage, but not require, the voluntary disclosure (preferably early) of Essential Patent(s) and published pending patent application(s) that may be essential to

the practice of a TIA Publication. Such disclosures are to be made following the procedures of the TIA Intellectual Property Rights Policy. Additional information can be found in the TIA Intellectual Property Rights Guidelines.”

Participants in the work of the TR-34 are urged to review this policy. Participants were encouraged to notify TIA of any patents of which they are aware that are related to the practice of TIA publication early in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. If there is knowledge of patents, the use of which may be essential to any documents being considered by TIA TR-34. No new IPR was identified.

**2. Attendance Registration**

The meeting was attended by the following (all by teleconference):

<b>Name</b>	<b>Company &amp; Mailing Address</b>
Noerpel, Tony	Hughes Network Systems
Palangdao, Germaine	TIA
Hand, Jim	AASKI Technology, Inc.
Janardhan, Raghu	Hughes Network Systems
Nemeth, David	iDirect
Reinking , Todd	Welkin Sciences
Mathes, Ray	Harris Corporation
Beeler , Michael	Comtech EF Data
Scardino , Paul	Globecomm

Quorum was acheived.

Appologies received from

None

**3. Review and Approval of the Agenda**

The proposed agenda, contribution 09.15.01, was approved.

**4. Introduction and Numbering of Contributions**

Contributions and associated numbers received for this meeting were the following:

<b>Number</b>	<b>Title</b>	<b>Source</b>	<b>Notes/Disposition</b>
09.15.01	Meeting_Notice_Agenda	Tony Noerpel Chair	Approved
09.15.02_r0	TR 34 meeting report June, 2015	Tony Noerpel Chair	Review & approve by correspondence
09.15.03	Chair’s Comments to FAST	Tony Noerpel	comments
06.15.04 (last mtg)	Draft standard FAST	Herald Beljour	Review and comment
09.15.04	Comments to TR 103 233	Tony Noerpel	information
06.15.06 (last mtg)	Draft ETSI TR 103 233 V0.0.2, Technical Report on antenna	Robert Hanson	Review and comment

Number	Title	Source	Notes/Disposition
	performance characterization for GSO mobile applications		
09.15.07	Draft proposal for ENs with C-, Ku- and Ka-operating Band RX Parameter Definitions	Tony Noerpel	Review and comment

## 5. Review and Approval of Meeting Report

The meeting report from this meeting, contribution 09.15.02, shall be circulated and approved by email after the meeting.

## 6. Correspondence and Liaisons

Tony Noerpel (Chair) reported on ETSI activities. TIA TR34 has initiated a liaison request with ETSI SES MARESV to review and comment on technical reports regarding antenna performance characterization for GSO mobile applications. TIA TR34 returned comments on this document to Robert Hansen, Chair of ETSI MARESV.

## 7. Ballot Results

None

## 8. Working Group Activities

The committee voted at the last meeting to initiate a project to develop the FUTURE ADVANCED SATCOM TECHNOLOGIES (FAST) OPEN STANDARD DIGITAL-IF INTERFACE (OSDI) FOR SATCOM SYSTEMS. Subsequently the notification has been sent to ANSI and comments on the proposal for a standard were solicited. The work item was approved. Raghu Janardhan was appointed as document rapporteur.

Comments were solicited as part of our liaison with ETSI SES on the drafting of receiver standards for C, Ku and Ka band satellite receivers. ETSI will be developing standards for L. S and GNSS receivers.

## 9. New Business

Review of the draft proposal for receiver standards for C, Ku and Ka satellite receivers.

Vice Chairman Lars Erup has retired. The election of a new vice chair will take place at the next at the first meeting next year. Nominations are solicited.

## 10. Assignments from the last Meeting

- The Chair to continue as liaison to DVB. On-going
- The chair to continue as liaison to ETSI SES. On-going
- Initiated new FAST project. Completed
- Comment on ETSI TR 103 233 V0.0.2, Technical Report on antenna performance characterization for GSO mobile application and send to ETSI MARESV. Completed

**11. Future Work and Assignments**

- Comments solicited from committee on draft FAST document. An ad hoc working group teleconference was scheduled for Thursday October 15, 2015.
- The chair to continue as liaison to ETSI SES.
- Raghu Janardhan to begin editing the DRAFT FAST document.

**12. Future Meetings**

The Working Group agreed to meet on the second Thursday of December 10, 2015 with the option to meet earlier if there is need.

**13. Adjournment**

The meeting was adjourned at 10:30 a.m.

This meeting was conducted in accordance with the TIA Legal Guide and the engineering procedures.