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Approved by General Counsel

TR-34 Meeting Report

Date(s): 11/15/2012 - 11/15/2012

Location: Teleconference

Approved: 01/07/2013

TITLE: TR 34 Meeting Report
November 15, 2012

DATE: November 15 2012

SOURCE: Hughes Network Systems, Inc.

AUTHOR: Tony Noerpel (HNS)
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RECOMMENDATION: Review and Approve

**TR 34 Working Group
SATELLITE EQUIPMENT & SYSTEMS
MEETING REPORT
November 15, 2012**

1. Call to Order and Introduction

The Standards Committee, Satellite Equipment & Systems, TR 34, met on Thursday, November 15, 2012 at TIA's headquarters, 2500 Wilson Blvd., 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

<https://www1.gotomeeting.com/join/149520553>

Dial +1 (773) 897-3000

Access Code: 149-520-553

Audio PIN: Shown after joining the meeting

Meeting ID: 149-520-553

The meeting ID for signing in is 6362.

This meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.

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2. Attendance Registration

The meeting was attended by the following:

Company	Name & Mailing Address	Phone #, Fax #, Email
Hughes Network Systems (By teleconference)	Noerpel, Tony 11717 Exploration Lane Germantown, MD 20876	P: 301-601-7449 F: 301-428-5682 E: anthony.noerpel@hughes.com
Gogo, Inc. (By teleconference)	Fred Kujawski 1250 N Arlington Heights Rd Itasca, IL 60143	O: 630 647 1430 M: 847 331 1456 E: fkujawski@gogoair.com
TIA	Jeff Hannah 2500 Wilson Blvd., Arlington, Virginia,	O: 703.907.7582 M: 301.502.9141 E: jhannah@tiaonline.org
AASKI Technology, Inc. (By teleconference)	Hand, Jim	O: (732) 578-1250 x209 C: (908) 745-9748 F: (732) 493-1701 E: jhand@aaski.com
iDirect (By teleconference)	Erup, Lars	E: lerup@idirect.net

Quorum was achieved.

Apologies received from

Company	Name & Mailing Address	Phone #, Fax #, Email
AASKI Technology, Inc.	Bharat Parikh	O: (732) 578-1250 x202 C: (908) 745-9748 F: (732) 493-1701 E: bparikh@aaski.com

3. Review and Approval of the Agenda

The proposed agenda, contribution 11.12.01, was approved.

4. Introduction and Numbering of Contributions

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

Number	Title	Source	Notes/Disposition
11.12.01	Meeting_Notice_Agenda	A.Noerpel HNS	Approved
11.12.02	TR 34 meeting report for November 2012 meeting	A.Noerpel HNS	Review & approve by correspondence
11.12.03	Comments to the JIPM specification	A.Noerpel HNS	Review
11.12.04	Comments to the JIPM specification	L Erup iDirect	Review
11.12.05	RTCA spread sheet	Fred Kujawski Gogo, Inc.	Reviewed and updated

Relevant contributions and associated numbers from the previous meeting were the following:

Number	Title	Source	Notes/Disposition
09.12.03	JIPM vol 1	J. Hand AASKI	Information
09.12.04	JIPM vol 2	J. Hand AASKI	Information
09.12.05	JIPM vol 3	J. Hand AASKI	Information
09.12.06	JIPM presentation	J. Hand AASKI	Information

5. Review and Approval of Meeting Report

The meeting report from the November 15, 2012 meeting, contribution 11.12.02, shall be circulated and approved by email after the meeting.

6. Correspondence and Liaisons

Tony Noerpel (Chair) reported That there was no ETSI activity since the last meeting.

Lars Erup (Vice Chair) reported on DVB, RCS and S2 activities. A new version of DVB-S2 was published by ETSI as EN 302 307 version 1.3.1. A new standard for DVB-S2 enhancements is being planned for the near term and a forward looking activity which may lead to a DVB-S3 standard is also underway.

7. Ballot Results

No Ballots

8. Working Group Activities

JIPM Joint IP Modem (JIPM) Interoperability Standard project - Addendums to DVB-RCS and DVB-S2 that reflect the US DoD joint IP modem including embedded TRANSEC. There will be three parts to the standard. Volume 1 includes specific modifications to DVB-RCS and DVB-S2. Volume 2 includes the TRANSEC specification. Volume 3 includes the SNMP MIB management protocol. The justification is to make the specification available to the satellite communications community in order to produce interoperable equipment

Stakeholders are SatLabs, ETSI, NATO, DoD and DVB.

The rapporteur for the project is Bharat Parikh of AASKI Technology, bparikh@aaski.com, 732-578-1250 x202. Bharat sent his apologies.

Comments to the JIPM document were presented by the Chair Tony Noerpel and separately by the Vice Chair Lars Erup. Given the nature of these comments in addition to other comments received by the rapporteur from NATO, the unanimous decision was made to postpone the ballot initiation until a new version addressing all the comments could be produced. It is expected that this will be in time for the next meeting.

Fred Kujawski presented an Excel spread sheet constructed by the RCTA organization for our review and approval. RTCA writes guidelines for the FAA which become rulemakings or

requirements documents or technical analysis for the FAA. Aircraft information systems and data link evaluation committee 206 (SC 206) are looking at next generation systems weather, traffic control etc. communications. SC 206 created a spread sheet profiling existing technologies for this communications.

Comments were received prior to the meeting in email format from the Vice Chair Lars Erup and the Chair Tony Noerpel. The spread sheet was updated in real time during the meeting. The rapporteur Fred Kujawski agreed to present the updated document to the RTCA.

9. New Business

There was no new business.

10. Assignments from October, 2012 Meeting

- The chair to initiate ballot for GMR-1 3G specifications. Ongoing
- The Chair and Lars Erup to continue as liaison to DVB-S2. Ongoing
- The Chair to continue as liaison to ETSI SES. Ongoing.
- Bharat Parikh to continue as rapporteur for the new JIPM proposed standard and provide updated documents with NATO comments and TR34 committee comments and initiate the ballot. Ongoing
- The Chair to continue as liaison to NIST PAP2. Ongoing
- Members to provide comments to Fred Kujawski regards the RTCS spread sheet and the NIST profiles document with respect to satellite communications. Completed

11. Future Work and Assignments

- The chair to initiate ballot for GMR-1 3G specifications.
- The Chair and Lars Erup to continue as liaison to DVB-S2.
- The chair to continue as liaison to ETSI SES.
- Bharat Parikh to continue as rapporteur for the new JIPM proposed standard and update the documents as per comments received from the TR 34 committee and NATO.
- The Chair to continue as liaison to NIST PAP2.
- Fred Kujawski to convey the TR 34 committee comments to RTCA.

12. Future Meetings

The Working Group agreed to meet on the third Thursday of January 17, 2012 to discuss the plan going forward with the JIPM specification and other matters but also agreed to potentially hold a special meeting via teleconference before that date if required or requested by any member.

13. Adjournment

The meeting was adjourned at 11:00 a.m., November 15, 2012.

This meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.