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Approved by General Counsel

TR-34 Meeting Report

Date(s): 02/16/2012 - 02/16/2012

Location: Arlington, VA

Approved: 04/27/2012

TITLE: TR 34 Meeting Report
February 16, 2012

DATE: February 16 2012

SOURCE: Hughes Network Systems, Inc.

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RECOMMENDATION: Review and Approve

**TR 34 Working Group
SATELLITE EQUIPMENT & SYSTEMS
MEETING REPORT
February 16, 2012**

1. Call to Order and Introduction

The Standards Committee, Satellite Equipment & Systems, TR 34, met on Thursday, February 16, 2012 at TIA's headquarters, 2500 Wilson Blvd., Arlington, Virginia. The Chair welcomed the participants and called the meeting to order at approximately 9:00 a.m.

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	Noerpel, Tony 11717 Exploration Lane Germantown, MD 20876	P: 301-601-7449 F: 301-428-5682 E: anthony.noerpel@hughes.com
iDirect (By teleconference)	Erup, Lars	E: lerup@idirect.net
ViaSat, Inc.	Chitre, Prakash 20511 Seneca Meadows Parkway Germantown, MD 20876	P: 240-686-4420 F: 240-686-4810 E: prakash.chitre@viasat.com
TIA	Ivanov, George 2500 Wilson Blvd., Arlington, Virginia,	E: givanov@tiaonline.org

Appologies received from

Company	Name & Mailing Address	Phone #, Fax #, Email
AASKI Technology, Inc.	Hand, Jim	O: (732) 578-1250 x209 C: (908) 745-9748 F: (732) 493-1701 E: jhand@aaski.com

3. Review and Approval of the Agenda

The proposed agenda, contribution 02.12.01, was approved.

4. Introduction and Numbering of Contributions

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

Number	Title	Source	Notes/Disposition
02.12.01	Meeting_Notice_Agenda	A.Noerpel HNS	Approved
02.12.02	341-102810.pdf IPoS Meeting Report from September 2011 meeting of TR34.1	A.Noerpel HNS	Review & approve
02.12.03	TR 34 meeting report for February 2012 meeting	A Noerpel HNS	Review & approve
02.12.04	Draft TIA 1008B	Satyajit Roy HNS	Review for Ballot

5. Review and Approval of Meeting Report

The meeting report from the September, 2011 meeting, contribution 02.12.02r1, was approved.

The meeting report from this meeting contribution 02.12.03 shall be circulated and approved by email after the meeting.

6. Correspondence and Liaisons

Tony Noerpel (Chair) presented an oral ETSI meeting report identifying mobile satellite and fixed satellite activities. The two groups: ETSI SES MSS and BSM have merged to form Satellite Communications and Navigation (SCN) working group. This group covers radio and transmission aspects related to Fixed, Mobile and Global Navigation Satellite Systems operating in any bands allocated to FSS, MSS or RDSS. The first meeting of the merged group was SCN #1 in Wessling, Germany on October 4-6, 2011. The second meeting was SCN #2 in London, UK on February 7-9, 2012.

Lars Erup reported on DVB. DVB-S2 held a meeting in January 24-25, 2012 in Geneva. The purpose is to develop a backwards compatible extension for use of the DVB-S2 standard waveform in wideband transponders. The discussion centered around the difficulty for receivers to receive and decode every code block of a high data rate channel. The proposal is to structure slicing so that terminal only needs to decode targeted code blocks. There are complications due to multicast and other considerations. Several proposals are on the table for review. The deadline for a new specification is Q2, 2012. In the near future there are several planned teleconferences.

The DVB RCS-2 technical module met in Madrid, February 1-2, 2012 to consider the addition of mobile and mesh features to the new specification. The mobility proposals are settled. A number of contributions on MESH championed by HISPASAT have been introduced. Goal is to finish by May, 2012 and go up for approval in June, 2012. And then RCS goes into sleep mode. There is an initiative to add a DVB carrier ID for all continuous carriers to identify unintentional interference. This commercial requirement work is ongoing and several teleconferences are planned.

It was noted by the Chair, Tony Noerpel, that DVB-NGH being developed now has a satellite component.

Tony Noerpel (Chair) reported on Smart Grid standardization activities. NIST and TR-51. Also TR50 Machine to Machine.

George Ivanov updated us on TR-50 and TR-51 activities.

7. Ballot Results

No ballots.

8. Working Group Activities

TIA-1039A no activity

GMR

GMR-1 3G is being updated in ETSI SCN technical committee to accommodate modifications to adapt to a new satellite system, to add new features and for maintenance.

Cross publication of other ETSI MSS standards to be pursued.

IPOS

Satyajit Roy of Hughes is the Rapporteur. The draft document was submitted for review at the September, 2011 meeting. TR 34 voted unanimously to approve the ballot for 1008B for approval.

DVB

Lars Erup reported on the new standard for DVB-RCS-2 or next generation. The consensus recommendation is not to take action at this time.

JIPM

Jim Hand proposed that a new work item for TIA TR34 for the JIPM modem interworking standard be created at the September, 2011 meeting however no progress has been made since then. The new work item would be an interoperability specification, consisting of extensions to the current DVB-S2 and DVB-RCS specifications as used for the US Department of Defense Joint IP Modem system. The interoperability specification will build upon the requirements detailed in the Satellite Network Modem Standard set of requirements published as the TIA/EIA-1073 set of documents. The rapporteur for the project will be Bharat Parikh of AASKI Technology, bparikh@aaski.com, 732-578-1250 x202.

9. New Business

Prakash Chitre motioned and Tony Noerpel seconded to consolidate the scope of TR-34.1.1, TR34.1 and TR-34.2 into TR34. TIA will have to approve the modification in late April.

Leadership elections for TR 34 were held under the direction of George Ivanov of TIA. George Ivanov reported that TIA has received from Lin-Nan Lee of Hughes nominating TonyNoerpel as chair of TR-34 and a letter of support from Dave Bettinger of iDirect nominating Lars Erup as vice chair of TR-34. Prakash Chitre motioned and Tony Noerpel Seconded. The motion passed unanimously. George Ivanov took the action to make appropriate changes to TIA web site

George Ivanov reported that he has been reaching out to other satellite communications companies and adding them to reflector list accordingly.

George Ivanov reported that TIA has started a spectrum policy committee on government affairs side of TIA. George Ivanov took the action to submit information to TR-34.

George Ivanov reported that there are some new ITU-R recommendations for Satellites in Working Party 4B and asked if TIA should participate. George Ivanov took the action to circulate latest version to group which is a revised version of a document from October 4 previously circulated.

Prakash Chitre gave an excellent history of TIA TR 34 evolution emphasizing how TIA might engage other companies to participate. The suggestion was made that a closer relationship between IETF and TIA in general would be helpful.

10. Assignments from September, 2011 Meeting

- The chair to initiate ballot for GMR-1 3G specifications. postponed

- The Chair and Lars Erup to continue as liaison to DVB-RCS. Ongoing
- The chair to continue as liaison to ETSI. Ongoing.
- Jim Hand to create a power point presentation describing the new proposed JIPM modem standard. completed
- Bharat Parikh to be rapporteur for the new JIPM proposed standard and initiate work item. postponed
- Satyajit Roy to be rapporteur for the proposed update to IPOS TIA1008A standard and initiate work item. Completed.

11. Future Work and Assignments

Chair to initiate ballot for TIA TR 1008B.

Chair to create a presentation for use of satellite communications in the smart grid at the April TR-51 meeting.

Lars Erup to continue as DVB liaison.

Tony Noerpel to continue as ETSI liaison and also to TR-51 and NIST smart grid.

George Invanov to circulate interesting documents to the TR 34 membership.

Bharat Parikh to initiate a work item for the JIPM modem standard as proposed.

Chair to draft meeting report and circulate for approval.

12. Future Meetings

The Working Group agreed to meet on the third Thursday of September 20, 2012 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., February 16, 2012.

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