

TELEMETERING STANDARDS COORDINATION COMMITTEE



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Fall 2011 Meeting Minutes and Committee Reports

October 24, 2011
Bally's (ITC 2011)
Las Vegas, NV

Opening & Quorum Determination

- Meeting called to order at 8:00 AM
- Attendees were
 - Scott Brierley (m)
 - Diarmuid Corry (m)
 - Lee Eccles(m)
 - Brad Fleury (m)
 - Sheila Horan (m)
 - Lorin Klein(m)
 - Wayne Klein (m)
 - Filiberto Macias (m)
 - Gerhard Mayer (m)
 - Myron Moodie (m)
 - Steve Nicolo (m)
 - Dan Skelley (m)
 - Rob Tropa (a)
 - Duane Wheaton (*)
 - Chuck Weaver (m)
 - Bill Rymer (IFT Rep)
 - Teresa Telles (RCC TG-Chair)
- A quorum of members was present

Legend:

- (m) Is a member
- (a) Is an alternate
- (*) Invited Guest/past member/
subcommittee member

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- Reviewed and approved agenda (approved)
 - Reviewed and approved minutes of March 2, 2011 meeting (approved with minor change -added Diarmuid Corry as Network Subcommittee chair)
 - Reviewed the following reports:
 - Chairman
 - Secretary Treasurer
- Motion made & approved to accept minutes of last meeting.
- Committee Reports: (reports follow these Minutes)
Nominating Committee, RF, Transducers, Coding/Data Compression, Recorder/Reproduce
 - New Chairs for Networks & Data Multiplex Subcommittees will provide reports starting at next meeting

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■ Chairman's Report and Action Items:

- TSCC web site was re-hosted and updated
- At the request of IFT the TSCC contacted Aerospace Industries Assn. (AIA) <http://www.aia-aerospace.org/standards/> to see if there was an interest in coordination with TSCC. No current interest. They do not see an overlap.
- Spring meeting 2012 to be held in conjunction with RCC meeting at PAFB. Meeting to be held on Tuesday March 6th starting at 4:00 PM (time is tentative pending receipt of RCC TG agenda).
- TSCC portion of the C-Band Special Session was presented to the TSCC members
- Review Requests:
 - Draft document review of IRIG 118, *Test Methods for Telemetry Systems and Subsystems, Volume I* and focuses on Chapter 5 "Test Procedures for Telemetry transmitters." Comments are due to task lead NLT 11/10/11
link: <http://www.wsmr.army.mil/RCCsite/Pages/DraftDocumentReview.aspx>
 - Red Book and agency review of CCSDS 123 "Lossless Multispectral & Hyperspectral Image Compression"
- Current areas of focus are iNet, IRIG 118 & CCSDS
- Charter review of government members. Liaison letter on file needed for government members. Government members to contact jag to get recommendation for next step.
- ACTION: S. Nicolo to distribute name of new web host site.

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■ Secretary-Treasurer Report and Actions

- Review of Minutes of October 25, 2010 (approved)
- Reviewed current finances
- TSCC requested \$1,000 from IFT for 2011
- Web domain name paid through January 2015
- **Action:** S. Nicolo to request \$1,000 from IFT.

■ Nominating Committee Report and Actions

- Fall 2011: Scott Brierley & Dan Skelley to be renewed for another 5 years (Voted & Passed)
- Reviewed membership ratios and sponsors (Okay)
- New member elected: Mark Geoghegan's, from L3 (Nova Engineering)
- Action: Mark Bender: Contact about plan on attendance
- Brad Fleury: Nominated and approved as Official TSCC Vice-Chair
- Action Sheila Horan/Steve Nicolo: Review and make sure all alternates are on a sub-committee
 - Steve Nicolo's alternate John Carlson: RF sub-committee assignment
 - Wayne Klein is on Network & Protocols sub-committee
 - Fil Macias & Dan Skelley to remark which sub-committees to serve on

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- **Radio Frequency Committee Report and Actions (Scott Brierley)**
 - Reviewed subcommittee membership
 - Major topics IRIG 118 Chapter 5 Pink Sheet
 - Comments due by November 10, 2011 (Send to Scott Brierley).
 - Fil Macias suggested that TSCC get involved and “bridge gap” to RCC: common terminology, what new things are coming down the pike, etc...
 - Bill Rymer also suggested that we should coordinate with ICTS (Mike Ryan Chair)
 - Action (Nicolo): Contact ICTS to see what mutual beneficial area can be coordinated.
- **Data Multiplexing Committee Report and Actions (Brad Fleury)**
 - Verbal report this period. Brad Fleury to provide written report starting with the Spring Meeting.
 - Rob Tropa voted in as alternate for Brad and also onto this committee.
 - Work continues on TMATS Handbook.
- **Networking & Protocols Committee Report and Actions (Diarmuid Corry)**
 - Verbal report this period. Diarmuid to provide written report starting with the Spring Meeting.
 - First focus will be iNET.
 - Members needed. Sheila recruited Dan Skelley & Fil Macias

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- **Recorder Reproducer Committee Report and Actions (Lorin Klein)**
 - IRIG 106-11 published 22 July 2011
 - Chapter 10: Added new data type TSPI/CTS (Time Space Position Information and Combat Training System) data type (Section 10.6.16). Several administrative changes were also made.
 - STANAG 4575: Proposed Changes Under Consideration
 - New physical interface - Ethernet w/ 1000BaseT- minimum
 - New Protocol – iSCSI and/or dynamic IP addressing for multiple memory systems
 - Revising cable/connector requirements, power – maintain Fiber Channel compatibility with ground stations
 - Shells for Ethernet should be MIL twist lock type
 - One power input is all that will be allowed
 - RMMs should allow for Ethernet or Fiber Channel – transition to Ethernet alone

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- Transducer Committee Report and Actions (Lee Eccles)
 - IEEE 1451 current Transducer standards being followed
 - 1451.2 UART & SPI interfaces has been balloted and changes are being incorporated
 - 1451.4 TEDS associated with an analog transducer. This standard is being revised . Balloting closed March 1. Revised standard has not been released.
 - 1451.7 Transducer that communicates via an RFID chip. The chip is typically battery powered and is used for shipments. This standard was released in 2010

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- **Coding/Data Compression Committee Report and Actions (Sheila H.)**
 - Subcommittee membership was reviewed.
 - Provided feedback on CCSDS Red Book and agency review of CCSDS 123 "Lossless Multispectral & Hyperspectral Image Compression"
 - ETSI REN/JTC-DVB-301 Digital Video Broadcasting: This document specifies a transmission system for hybrid satellite and terrestrial digital television broadcasting to mobile terminals. The purpose of the DVB-SH standard is to provide an efficient transmission system using frequencies below 3 GHz suitable for Satellite Services to Handheld devices, in terms of reception threshold and resistance to mobile satellite channel impairments. Reviews due by 12/7/2011
 - Action: Sheila Horan to contact Thomas Grace and Bruce Lipe to verify what type of input is needed to review iNET
- **ETSC Committee Report and Actions (Gerhard Mayer)**
 - ETSC held an open meeting at ETC 2011 in Toulouse France. TSCC reported status at that meeting.
 - ETSC subcommittees focus on SC1 (RF-Spectrum), SC2 (Acq. And Time Tagging HR data), SC3 (Data Recording) & SC4 (Collection and Distribution –Ntwk Systems).

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■ Old Business

- 2011 TSCC Best paper Award: Winner of Best Standards Paper was "DESIGN CONSIDERATIONS FOR XML-BASED T&E STANDARDS". Authors: Tim Darr (Lead), John Hamilton & Ronald Fernandes (Knowledge Based Systems, Inc) and Charles H. Jones (EAFB)
- TSCC Web Site
 - GDP "volunteer" maintaining new site. Everyone was asked to review and update web site and send corrections (i.e. Add appropriate iNet Specifications to each of the responsible TSCC Subcommittees). Send any web changes to S. Nicolo.
 - iNet website brought down.
 - Action: Myron Moodie to contact Thomas Grace/Bruce Lipe to see what plans are to access public released standards.
 - Need proof of public release & review.
 - RCC would be a reasonable suppository for reference documents.
 - TENA-SDA.org can get access (Password controlled). S. Nicolo should request access to this site (i.e. PWD for TSCC). A link should also be added on the TSCC web site.
 - Action: S. Nicolo to add TENA-SDA.org as link on TSCC website., and obtain access to site (i.e. TSCC PWD's)
 - Action: D. Skelley to contact Thomas Grace to see how to best access RCC documents.

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■ New Business

- 'C' band special session at ITC 2011: Wed 8:30am-11:30am
 - Action: Steve N.- Special session slides to be put on TSCC Web site
- iNet
 - Dan Skelley provided iNET status. Contract was awarded 2 separate transceivers developments. Contract prototype hardware contracts to be awarded in next month.
- Spring Meeting:
 - March 2012: PAFB in conjunction with the RCC meeting
 - Tuesday night (March 6th) starting at 4:00pm (tentative meeting time pending receipt of RCC agenda): night meeting to accommodate RCC attendees. At Radisson, Cocoa Beach.
 - Possible topics to present at next ITC (2012):
 - iNet update depending on topic selection.
 - Next steps in 'C' band.

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- Person Action
- Steve Nicolo
 - Coordinate Spring 2012 TSCC Meeting with RCC at PAFB (Tuesday March 6, 2012)
 - Request "Letter" to IFT for (\$1000) from Steve N. (Coordinated with Bill R.)
 - WEB Hosting costs & site name (send out costs for future budgeting purposes)(first year taken care of by GDP).
 - Contact ICTS to see what mutual beneficial area can be coordinated.
 - ICTS verification of "White Space" standards.
 - Fix Spelling on TSCC.ORG web site of Wayne Klein (Secretary-Treasurer)
 - Put TENA-SDA.org as link on TSCC website & obtain TSCC access (PWD).
 - Special session presentations to be put on TSCC Web site.
 - Distribute name of new web host site
- Sheila Horan
 - Sheila Horan/Steve Nicolo: Review and make sure all alternates are on a sub-committee
 - Contact Thomas Grace and Bruce Lipe to verify what type of input is needed to review iNET
- Wayne Klein
 - Get alternate representative in place
- Myron Moodie
 - Contact Thomas Grace/Bruce Lipe to see what plans are to access public released standards.
 - RCC would be a reasonable suppository for reference documents?
- Dan Skelley
 - Contact Thomas Grace to see how to best access to iNet documents.
- All Committee Members
 - Feedback on IRIG 118 by 11/10/11
 - Names can be on but the not the associated government sponsor (Up to each member to decide if they need letter signed by commander (taken up through JAG).
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