

TELEMETERING STANDARDS COORDINATION COMMITTEE



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Spring 2011 Meeting Minutes and Committee Reports

March 2, 2011
Marriott Hotel
Santa Ynez Valley
(Vandenberg)

Opening & Quorum Determination

- Meeting called to order at 17:00
- Attendees were
 - Mark Bender (m)
 - Scott Brierley (m)
 - Lee Eccles(m)
 - Brad Fleury (m)
 - Edward Greenberg (a for G. Katz)
 - Sheila Horan (m)
 - Greg Kazz (m)
 - Lorin Klein(m)
 - Wayne Klein (a for D. Grebe)
 - Filiberto Macias (m)
 - Myron Moodie (m)
 - Steve Nicolo (m)
 - Chuck Weaver (m)
 - Teresa Telles (RCC TG-Chair)

Legend:

(m) Is a member

(a) Is an alternate

(*) Invited Guest/past member

A quorum of members was present.

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- Reviewed and approved agenda (approved)
- Reviewed and approved minutes of October 25, 2011 meeting (approved)

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, Networks, Data Multiplex, Transducers, Coding/Data Compression, Recorder/Reproduce

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■ Chairman's Report and Action Items:

- No new standards reviewed since October 2010 session. Web Master retired we need to re-host the site & update. iNet special session at ITC 2010 went well 30 to 40 people attended.
- iNet begin to focus; iNet committee will accept input for review.
 - Each group should review iNet standards and provide feedback, through TSCC, into the iNet program (contact: Thomas G.)
 - iNet standards will currently show up as part of IRIG 106 Part 2 (through RCC)(network Telemetry section)
- Fall TSCC meeting was going to be coordinated with CCSDS in Las Vegas but now CCSDS has moved to another site TBD. TSCC meeting will be held at ITC Show in Las Vegas on the Monday morning at 8:00 AM.
- TSCC 2011 Best Standards Paper award: Brad Fluery to lead and coordinate with 2011 ITC tech chair (Ray).

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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
- **Action:** Wayne K. follow up on TSCC domain name and make sure we are paid up.

■ Nominating Committee Report and Actions

- Reviewed TSCC membership rules. It was stated that government participation has to be anonymous (Need to review charter)
- **Action:** Steve N. to review Charter to see if we need to change.
- Greg Kazz's term was approved for another 5 year term. Wayne Klein voted as full member and as Secretary Treasurer
- **Action:** Need to have an alternate and make sure they are on a subcommittee.
- Possible new members: Wireless/Satellite area
- Voting of alternates...Looking for suggestions before next meeting. Brad F. to follow-up with James Yates to see if he has any recommendation. Bob Dison, Rob Trepa, Hyong Yi, Chris B. voted as alternates.
- **Action:** Brad F. to follow-up with James Yates to see if he has any recommendation for membership.
- Brad Fluery to help out as Vice Chair (but not an official vice chair)

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■ Radio Frequency Committee Report and Actions (Scott Brierley)

- Reviewed membership. Major topics being reviewed IRIG 106 & 118. IRIG 118 is being looked at to see what tests really apply in the standards of today's applications (segregation of more obsolete test procedures into their own section). No standards reviewed since Oct 2010 meeting.

■ Data Multiplexing Committee Report and Actions (Brad Fleury)

- Reviewed membership (Alain Hackstaff & Straehley not going to participate). Revitalizing committee. May want to add additional capabilities/knowledge base for TMATS.
- Reviewed significant activity (TMATS, Chapter 10 related to TMATS, BSS, etc...)

■ Networking & Protocols Committee Report and Actions (Skipped this review)

- James Yates resigned and we are looking for a new subcommittee chair

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■ Recorder Reproducer Committee Report and Actions (Lorin Klein)

- Reviewed members. Review IRIG 106-09. Completed pink sheet IRIG 106-11 expected to be published in summer 2011
- IRIG 118 Test Methods summary reviewed
- 106-11 Ch9 TMATS attributes reviewed.
 - Ch 10 Change Request protocol and other administrative changes
- STANAG 4575 technical considerations reviewed/highlighted.

■ Transducer Committee Report and Actions (Lee Eccles)

- IEEE 1451 current Transducer standards being followed (Reviewed the .x meanings)
 - .2 UART & SPI interfaces approaching ballot stage
 - .3 dropped
 - .4 most support in market place
 - .5 wireless version
 - .6 did not come out
 - .7 incorporated in an RFID chip (needs to be powered)
 - .8 effort is there but not known what it will focus on.

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■ Coding/Data Compression Committee Report and Actions (Sheila H.)

- Membership review. Not a lot of new activity this report period. Review of CCSDS 353 was requested but feedback is past due. Upcoming CCSDS – Multi-spectral Hyper-Spectral data compression
- **Action:** Sheila H.: Lorin K. requested a copy of above (CCSDS – Multi-spectral Hyper-Spectral data compression).
- iNet: System Management review
- iNet Com Link Standard section 4.5 and RF network Section 11 on Encryption to relate to sub-committee.
- **Action:** Sheila will be sending out to committee for review.

■ ETSC Committee Report and Actions (Nicolo reported for Gerhard)

- Steve N. presented in Gerhard Mayer's absence. Focused on standards review ranging from SC-1 (RF-Spectrum) & SC-3 (Data Recording)
- **Action:** Steve N. to follow-up with Gerhard M. for corresponding material.
- Note: C-band has an additional spectrum allocation for telemetry. Moving into portions of C-Band.

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■ Old Business

- Best Telemetry Standards Award was presented at ITC 2010: IHAL and WEB Service Interfaces to Vendor Configuration Engines
- Two meetings of the TSCC were held - 2010
 - (Spring) April 20 in Newport News/Hampton VA.
 - (Fall) October 25th in San Diego in conjunction with ITC
- Special Session was held at ITC 2010 (Joint TSCC/RCC)
 - TSCC Portion - iNet Standards Forum - iNet Standards Implementation- (Views from 3 different TSCC members on the application of the Draft Specifications)
 - Dan Skelley: prospective from a TSCC member of iNET
 - Lee Eccles: discussed a like system in use (Boeing)
 - Lorin Klein: Eglin's perspective on iNET
 - This session was created to stimulate dissemination of information and discussion about future telemetry standards.
 - 30 to 40 people attended

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■ New Business

- iNet focus for future
- Proposed Fall Special Session: RCC stated that they did not want to have a joint TSCC/RCC session at ITC. TSCC proposed a session at the ITC on C-Band. It was discussed that we have a verity of different vendors come in and discuss what C-band products are available today (transmitters, antennas, receivers ...). We should also have someone there that can discuss the physics of c-band. Let companies explain where they are at and then have a panel discussion (Feedback was good on previous panel discussions being well received by ITC audience)
- **Action:** Steve N. to put email out to group to see what C-Band topics should be discussed as a potential Special Session. Need to contact ITC Tech Chair (Ray).
- Bit Synchs, Best Source select specifications required: We had a discussion on the possibility the need for a bit sync specification. There is nothing in IRIG that describes standards for bit sync parameters. For example, there is no standard for jitter with the exception of an antiquated test spec in 118.