

MINUTES
of
TSCC MEETING
Held
March 7 and 8, 2006
Albuquerque, NM
Marriott Pyramid North

This two day meeting included a joint session with the RCC TG and TTG groups the first day. The morning plenary session provided overviews of work in progress. In the afternoon, TSCC members attended various TG and TTG committee meetings.

The second day was strictly a TSCC meeting time.

The meeting was called to order by Chairman Scott Brierley at 0830 hours.

Members and Alternates present:

Scott Brierley	Member
Tim Chalfont	TG Rep
John Cox	Alternate
Lee Eccles	Member
Tim Gatton	Alternate
David Grebe	Member
Sheila Horan	Member
Sid Jones	Member
Eugene Law	Member
Bill Rymer	IFT BD Rep
Michele Wilson	Alternate
James Yates	Member

ATTENDANCE AND DETERMINATION OF QUORUM

David Grebe

There was not a quorum originally present, however later members that had been attending the RCC meetings were found and brought into the room, there was a quorum eventually.

REVIEW AND APPROVE AGENDA

Scott Brierley

Review and approved agenda happened.

OFFICER REPORTS

Chair

Scott Brierley

The Chair had nothing to report saying that there was little activity. Most papers were not quite released yet. There had been some CCSDS standards released but no comments were received or forwarded.

Vice Chair

James Yates

The report from the Vice Chair, James Yates. He notes that the USGS adopted the CCSDS standards for satellite work. Also noted that we need to get all the RCC TG and TTG committees to pass their pink sheets to the Chair for distribution to members and assigned committees. Many of the groups within the RCC were unaware of the TSCC's functions.

Secretary-Treasurer

David Grebe

The minutes were reviewed and approved as originally distributed.

Financial Report

The financial status was reported with a note that since our communication medium is now electronic and not mail requiring postage for communications, meeting notices and standard review notices, that our expenses are reduced from previous years. The number of member plaques remains low and we think that given the balance of the TSCC account, perhaps this year we should look at reducing our funding requests to \$500 from the IFT.

Action Item Review

Scott Brierley

There were none to review.

COMMITTEE REPORTS

Nominating Committee

Lee Eccles

Lee Eccles reports that he hasn't found nominees to fill the two open spots. He's trying for one government and one academic type. Sheila Horan volunteered to check for recommendations that she could provide perhaps from Academia. Jim pointed out that Tim Chalfont perhaps could become a member coming in from the government side. Cliff Aggen hasn't attended meetings for a few years and perhaps he should be replaced.

For new officers, he will write up his recommendations: Jim Yates coming to Chair, Sheila agreed to become the Vice-Chair and Dave Grebe will remain the Secretary-Treasurer. Later in the meeting, with a quorum present, this recommendation was approved on motion made and carried.

Radio Frequency

Scott Brierley

The RF System Handbook is in the works. The pink sheets are due soon (TG-67 completion due date is December 2006). Scott points out that this is a valuable tool as application notes and system design guidelines for folks who don't have years of experience in putting together RF systems. Scott provided an overview of some of the issues and notes that are contained in the Handbook to back up that observation.

Data Multiplex

Michele Wilson for Ed Snyder

There were no reviews made during this period. Tim Chalfont contributed that the TMATS update is coming along. He understands that IRI-106 Chapter 9 XML TMATS pink sheets actually should be out this week for approval due by August.

Networking and Protocols

Dan Dawson

Dan Dawson did not attend and sent no report. Jim Yates reported that the RCC Networking group had recommended earlier in the week to either disband or be placed on hold pending individual task needs by the RCC. The TSCC group then reviewed some of the network architecture issues with Lee Eccles, Tim Chalfont and Jim Yates making contributions and noted that the TG will perhaps need to assign INET recording, RF, etc. type of work tasks in the future.

Transducers

Lee Eccles

Lee Eccles reviewed the Uncertainty Analysis and submitted comments. This was a standard that is going into Chapter 118.

He also reported on 1451.0 which is the layer above .5, TCP and IP, for 802 is nearing completion. And that the 1451.5 wireless transducers with 802 Bluetooth physical layers is expected to see work coming. He also reported that they were approached by a Geo-Spatial Interest Group who asked for separate TEDS with location information. This would be a XML text based, they might call it GEO ML.

Coding / Data Compression

Sheila Horan

Sheila reported that there was no activity this period. She noted that while MPEG2 and JPEG2000 were being used, it is MPEG2 and MPEG4 that's being used for recording and reproducers. Users continue to complain about the latency and delay issues that are caused by using compression. Tim noted that the ARTM Lossless Compression algorithm project 'fizzled' for the same delay and 'loss-iness' issues. It seems that political issues are still there more than technical issues using these compression algorithms.

Recorder / Reproducer

David Grebe

David reported the committee received nothing from Joe Lloyd to review, but added there were some new data types added to Chapter 10 that's coming up. There is also work on developing a ground based recorder that probably is an extension to Chapter 10 or using Chapter 10 as a starting point for that. Lee Eccles noted that Boeing is using HDF5 for archival and not Chapter 10 due to the fact that there's no data type compatibility. There was a question about INET on board recorder reproduce work and the answer from Tim was to the effect, that the real question is will Chapter 10 survive INET? Edwards Air Force Base is also using HDF as a total ground archival for charts, data and plots beyond just the raw telemetry data.

Then there was a break. After the break, the quorum was present due to the inclusion of more members. So the nominating committee reported recommendation, on motion made and seconded, discussed and approved the previous slate of officers who were elected for the next term.

Old Business

The Larry Rausch Award: After quite some discussion it was decided to merge all the proposed changes to the criteria used to evaluate the papers received. The TSCC chair will ask the ITC Tech Chair and Session Chairs to forward papers to the TSCC that seem that they should be considered by us and then have the Chair and a sub-committee review those for making the award.

Dave Grebe, the Secretary should consolidate the comments from both this meeting and e-mails exchanged and submit that final proposal to the Chair, who will then forward it to IFT for consideration. This needs to be done as soon as possible in order to attempt to make the first award at this ITC if possible. There was a discussion that besides making a presentation of a plaque at the awards dinner perhaps there might even be something like a cup or a list to be put on display during ITC. We should certainly put it on the TSCC web-site, showing of all past winners with the idea that this will provide visibility for future interests and visibility of TSCC and IFTC's involvement.

Merv Medan was going to be asked for a Larry Rausch biography so we could put that on the TSCC web-site.

TSCC Session (ITC Papers in General)

Lee reported that he had three papers that he expects to be submitted. One paper is on 1558 and that's been promised by someone from Southwest Research Institute. Number two, he hopes to have a paper on the Importance of Timing. One of the folks at Boeing is interested in providing that paper. And Lee hopes to put together a brief history of time that basically describes what is appropriate, such as what level of accuracy and resolutions are needed for various applications. He also noted we have not yet made a proposal to the Tech Chair for the TSCC to hold a session. Armando needs to be approached and our Chair, Jim Yates had volunteered to get approval. There was also discussion of possible other candidates that might be enticed to generate papers on related issues.

Web-site

There have been updates made. There was a preliminary link sent out but nothing has been set in stone. Tim Gatton will check back with Dan Dawson for the status and report to the Chair, but it will move forward. Everyone is encouraged to submit updated information to Tim for forwarding into the web-site and that will be working to get the web-site published by the April/May timeframe.

New Business

Scott Brierley

Dave Grebe initiated a discussion of changing the meeting time in the Fall from the afternoon, Monday at 1:00 PM to the AM. It seems that there are some folks that have difficulties either with travel or trying to juggle this meeting with other activities that go on in parallel to the meeting as it's held in the afternoon. On a polling of members present there seemed to be mixed reactions as to whether this is a good idea or not and needs to be evaluated by a larger number of the committee.

Having no further business, the meeting was adjourned at 1150 hours.