

Minutes

(approved at GLOBECOM 2000, San Francisco, 29 November 2000)

IEEE Communications Society
Satellite and Space Communications (SSC) Technical Committee

Meeting at ICC 2000, New Orleans, USA
20 June 2000, 7:30 AM - 9:00 AM

1. Call to Order

The meeting was called to order by the SSC TC Chair Walter Ciesluk at 7:40 AM. Attendees introduced themselves.

2. Acceptance of Agenda

The agenda was presented and is reflected in the outline of the minutes.

3. Acceptance of Minutes of the Last Meeting

The minutes of the last meeting held during Globecom'99 in Rio de Janeiro, Brazil were presented and accepted.

4. Subcommittee Reports

(1) ICC 2000 (New Orleans, USA), Eric Butner and Mary Williams reporting

SSC sponsored two sessions consisting of 7 papers each (6 and 5 presented due to 3 no-shows), up to 40 people were in attendance. This conference had significant problems with the electronic review process. Walter had proposed a VSAT BAS, but industry apparently did not want to participate (maybe for competitive reasons or industry may not be interested in ICC).

(2) MILCOM 2000 (Los Angeles, USA), Ron Smith reporting

Ron is on the executive organizing committee due to TRW co-sponsorship. SSC is sponsoring one session and co-sponsoring a second. There will be a strong satcom content as well as six tutorials given by well respected presenters.

(3) GLOBECOM 2000 (San Francisco, USA), Sastri Kota and Bert Gyselinckx reporting

SSC is sponsoring a symposium titled "Satellite Communications for the New Millennium." Only 3 or 4 papers on satcom were accepted for the general conference, so they were moved to the symposium. 40 papers were submitted to the symposium, but there were delays in the review process and a surprise cut-off date caused us to get only two paper sessions (LEO systems and TCP/IP) plus one panel (7 panelists discussing Future Satcom Systems). It is recommended that we strive to get reviews done early in case of similar problems in the future.

The committee commended Sastri for his efforts in organizing this first Satcom Symposium at an ICC/Globecom. It is hoped that SSC will be able to repeat this in the future.

(4) AIAA ICSSC 2001 (Toulouse, France), Ron Smith and Catherine Morlet reporting

SSC endorsed ComSoc co-sponsorship of ICSSC 2000 and we are in the process of endorsing ICSSC 2001. The web site will be available soon (<http://www.cnes.fr/AIAA>). Catherine distributed the preliminary call for papers. Walter commented that ICSSC is the premier conference venue for satellite systems topics and thanked Ron for helping develop the relationship between AIAA TCCS and IEEE SSC committees.

(5) ICC 2001 (Helsinki, Finland), Takaya Yamazato reporting

The first TCP meeting was yesterday. The plan is for 8 symposia, the general conference, plus tutorials and BAS sessions. They expect 62 papers sessions, 8 BAS sessions and 24 half day tutorials. Papers are due 1 Sept. 2000 and web based reviews are due 1 Oct. 2000. Review organizers will be requested to organize three reviews per paper (volunteers are sought). Tutorial proposals are due mid-October.

(6) GLOBECOM 2001 (San Antonio, USA), Sastri Kota reporting

The first TCP meeting was yesterday. Rooms and sessions strategy was discussed, as well as the need to maintain quality. Proposals are needed for both technical and BAS sessions.

5. Old and New Business

(1) Long Term Planning

Over the past two years Walter has been formulating and documenting the SSC long term plan. Last year's TAC questionnaire for re-certification is good documentation of the SSC procedures and plans (it will be posted on our web site). Curtis Siller, TAC chair is pushing for Policies and Procedures from all TCs. SSC has a draft on our web site that should be polished before Globecom 2000.

TAC will provide \$1000 per year, available for each TC to use. Our committee should find out details and make plans for use. Guy Omidyar noted that in the past TAC approval was needed to spend, so we need to make a proposal for using this money.

(2) Strengthening Ties with other Committees

ComSoc may discontinue Technical Co-sponsorship of conferences. If we wish to continue our new relationship with AIAA and future ICSSC conferences, we may need to reach an agreement for Financial Co-sponsorship. Ron Smith will work on this.

IEEE TCs have a lot overlap, for example, Globecom 2000 Symposia are co-sponsored by SSC/CSIM and SSC/Wireless. At the last MTT conference, CMOS for space was discussed. Ron will send e-mail to SSC members to determine which other TCs they are members of and requesting reports on activities of interest to SSC.

John Everett reported that the IEE has 5 boards. The Electronics & Communication board organizes short courses and events in the U.K. that should be of interest to SSC.

(3) Sponsors and/or Support of Relevant International Conferences

Iwao Sasase is representing SSC for ICSC 2000 in Moscow Sept 26 - 29. This is essentially a national conference in Russia, the organizer asked ComSoc for help and ComSoc is pushing this relationship. SSC has a limited role in this conference.

(4) Tutorial / Workshop / BAS Proposals

SSC should have a goal of sponsoring at least one of each per year.

(5) Open Liaison Positions

Ron will e-mail SSC members to fill liaison positions with related TCs and journals. One goal is to have SSC involved in publications.

(6) Satcom Special / Feature Topic Issues

SSC encourages proposals for features in the IEEE Communications Magazine. Laser and broadband topics are in development now. Sastri is currently writing about the wireless future, the next 10 years. A special issue on Information Systems published recently covers MSS and FSS.

(7) SSC Newsletter

Walter suggested SSC might consider abolishing our newsletter. It is a lot of work, but no one came to this SSC meeting because of it.

(8) Membership Goals / Recruitment of New Members

SSC has been striving to increase our membership and global reach. Membership in SSC has been increasing, but we should continue to work on this.

(9) Standards Organizations, Sastri Kota reporting

- TIA is working on standard interfaces.
- ITU is addressing Ka-band performance. ITU-T and ITU-R address IP over satellite (met last year in Toulouse).
- ATM Forum has done work on wireless ATM. Mostly cellular / terrestrial focus so far, but starting to have an interest in satellite. They need satellite industry participation, the next meeting is in Barcelona.

- ETSI is working on terminal standards (one of the leading members will be a panelist at Globecom 2000).

(10) Election of Committee Officers

Walter Ciesluk is on phased retirement and has decided to step down from the SSC Chair position. A candidate selection committee was formed, consisting of the current Chair and a past chair, Des Taylor. The selection committee recommended the following candidates for SSC offices: Iwao Sasase for Chair, Ron Smith for Vice Chair, and Abbas Jamalipour for Secretary. This selection was approved by the SSC committee members in attendance.

(11) Any Other Business

Two TCs have requested name changes to better fit their current activities. SSC we may want to change our name to be more representative of current activities, such as including networking.

6. Time and Place of Next Meeting

The next SSC TC meeting will be held at Globecom 2000, the morning of the second day of technical sessions.

7. Adjourn - The meeting was adjourned at 8:50 AM.

Attendance:

<u>Name</u>	<u>E-mail</u>	<u>Affiliation</u>
Ron P. Smith	ron.p.smith@trw.com	TRW
Eric Butner	ebutner@mitre.org	MITRE
Takaya Yamazato	yamazato@nuee.nagoya-u.ac.jp	Nagoya University
Mary Williams	mwilliam@mitre.org	MITRE
John Everett	john_bluestonecommunications@compuserve.com	Bluestone Comms., Ltd.
Henri Girard	hgirard@nsicomm.com	
Bert Gyselinckx	gyselinc@imec.be	IMEC
Catherine Morlet	97.catherine.morlet@aist.enst.fr	ENST/Alcatet Space
Sastri Kota	sastri.kota@lmco.com	Lockheed Martin
Walter Ciesluk	wciesluk@mitre.org	MITRE Corporation
Iwao Sasase	sasase@sasase.ics.keio.ac.jp	Keio University
Robert Lease	robert.l.lease@aero.org	Aerospace
Cheng-ying Yang	cyang@mail.cyut.edu.tw	Chaoyang Univ. of Tech.
Nell Wu	nellwu@aol.com	Consultant
Clara Manders	cmanders@seas.gwu.edu	GWU/Manders Associates
Des Taylor	taylor@elec.canterbury.ac.nz	Univ. of Canterbury
Shuzo Kato	shuzo.kato@cmtsd.me.com	Mitsubishi Wireless Communication, Inc.
Guy Omidyar	gomidyar@csc.com	
Mourad Jelili	mjelili@nsicomm.com	NSI Communication, Inc.