

TECHNICAL COMMITTEE RECERTIFICATION QUESTIONNAIRE

Date: 16 September 2002

Technical Committee Name: Satellite and Space Communications

Reporting Individual(s) (Relationship to TC, with complete coordinates):
Ron Smith, SSC Chair, see address below

Complete Information on all Officers (Give Name, TC Position, Business/Academic/other Affiliation, Full Address, Tel/Fax Numbers and E-mail. Which officers are elected and which are appointed? When were current officers elected or appointed to their current positions?)

Chair – Elected April 2002
Dr. Ron P. Smith
TRW Space & Electronics
One Space Park, 03/2639
Redondo Beach, CA, USA 90278
TEL: +1 310 812 9395
Fax: +1 310 813 7562
E-mail: ron.p.smith@trw.com

Vice-Chair – Elected April 2002
Dr. Abbas Jamalipour
University of Sydney
Sydney N.S.W. 2006, Australia
Tel: +61 2 9351 2843
Fax: +61 2 9351 3847
Web: <http://www.ee.usyd.edu.au/~abbas>
E-mail: a.jamalipour@ieee.org

Secretary, Webmaster and Newsletter Editor – Elected April 2002
Dr. Mario Marchese,
CNIT - Italian National Consortium for Telecommunications
DIST - University of Genoa Research Unit
Via Opera Pia 13, 16145 Genoa (Italy)
Tel: +39 010 3532806
Fax: +39 010 3532154
E-mail: mario.marchese@cnit.it

Advisor – Appointed 1999
Dr. Desmond P. Taylor
University of Canterbury

Historian – Appointed 1999
Louis Pollack
Pollack Associates

As Appropriate, Please Describe Officers' Other ComSoc Leadership Positions:

Ron Smith, SSC Chair, is also Vice-Chair of SPCE TC

Desmond Taylor, SSC Advisor, serves in numerous ComSoc leadership activities

Describe Succession Plans for Each of These Officer Positions (Give the anticipated date of next election for new committee officers.):

Elected positions are for two year terms, next election at ICC 2004.

All SSC TC members are eligible for nomination to all elected positions.

Normally the Vice-chair succeeds the Chair and the Secretary succeeds the Vice-chair.

TC Scope:

The Committee facilitates technical interchange in the field of satellite and space communications. The Committee explores the evolution of new satellite and space-based systems and the application of new and emerging technologies. The Committee maintains a keen interest in the development and maintenance of standards in this area. Specific technologies of current interest include:

- Satellite-based personal communications systems (PCS) and networks.
- Networking via satellite including IP and ATM.
- Mobile satellite communications systems.
- Advanced modulation/demodulation and on-board signal processing
- Direct broadcast television and high-definition television.
- Very small aperture and handheld satellite systems and networks.
- Ka band (20 and 30 GHz) satellite communication systems.

TC URL:

<http://www.comsoc.org/~ssc/>

Please Grade Yourself on Maintenance of your TC Website (A, B, C, D, F) (Note: If you give yourself a poor grade, what plans do you have for improvement?):

B. It is a useful and comprehensive site with timely addition of new material, but infrequent revision of old links and a basic web text format without much graphics.

TC E-mail Exploder (if any):

Secretary handles e-mail distribution

Identify any problems that you have had or are having with the E-mail exploder:

No problems, secretary forwards message within a couple of days at most.

Policies and Procedures:

See these links for all 5 topics: http://www.comsoc.org/~ssc/SSC_Operating_Procedures.pdf, and the TC home page at <http://www.comsoc.org/~ssc/>.

Links to additional focused information are listed with each item below.

Provide below or link to website, with respect to

- 1) **definition of elected and appointed officers, as well as nomination and election procedures;** http://www.comsoc.org/~ssc/SSC_Officers_Duties.pdf
- 2) **planning, announcement and conduction of TC meetings;**
<http://www.comsoc.org/~ssc/sscmin.htm>

- 3) **budget and expense policies and procedures;**
<http://www.comsoc.org/~ssc/sscbudget.html>
- 4) **support of ComSoc activities, such as publications, meetings and membership development;** <http://www.comsoc.org/~ssc/sscrevw.htm>
- 5) **information dissemination activities, such as newsletters and web pages, and other areas as appropriate.** <http://www.comsoc.org/~ssc/sscnews.htm>

(If these materials are unavailable, please provide an explanation.)

Does the TC Maintain an Official Membership List? (If yes, please describe. If not, please provide an explanation of membership criteria.)

Yes, maintained on web site at <http://www.comsoc.org/~ssc/sscmemb.htm>

Please Describe TC Activities Since the Last Recertification (with explicit titles, dates, locations, committee members in positions of leadership, etc.):

Workshops –

Occasional workshop organization and tutorials at ICC, Globecom and MILCOM conferences.

Conferences –

Technical Program Committee (TPC) Representatives:

ICC 2004 (Paris): Michael Hadjitheodosiou, Mario Marchese and Marina Ruggeri

GLOBECOM '03 (San Francisco): Sastri Kota, Mario Marchese and Abbas Jamalipour

ICC '03 (Anchorage): Satchandi Verma and Reza Soleymani

GLOBECOM '02 (Taipei): Guy Omidyar (Symposium Chair)

ICC '02 (New York): Iwao Sasase (Symposium Chair), Takaya Yamazato (Symposium Secretary)

MILCOM 2001 (McLean, VA, USA): Patrick Talty

GLOBECOM '01 (San Antonio): Abbas Jamalipour

ICC '01 (Helsinki): Takaya Yamazato

GLOBECOM '00 (San Francisco): Marc Engels, Sastri Kota (Future Satcom Systems Symposium)

MILCOM '00 (Los Angeles): Ron Smith (Technical Program Deputy Chair) and Abbas Jamalipour

ICC '00 (New Orleans): Eric Butner and Mary Williams

Symposia –

Active in organization and paper review for symposia at the above conferences.

Publications and/or newsletters –

TC Newsletter is published twice per year, distributed at ICC and Globecom, e-mailed to TC members and posted on our web site.

Other Venues (provide detailed descriptions) –

TC participates in AIAA International Communications Satellite Systems Conference (ICSSC). The TC endorses ComSoc Technical Cosponsorship, the current TC Chair is also the current AIAA Communications Systems TC Chair, TC members are authors and session chairs. ICSSC web <http://www.aiaa-icssc.org/>, AIAA TCCS web <http://www.aiaa.org/tc/cms/>.

To What Extent has this TC Collaborated with Other TCs? (Please provide specific instances.)

Main interaction is through joint Symposia at ICC and Globecom conferences, usually with the following TCs: CSIM, CT, PC, RC, SPCE.

TC Liaisons to other organizations:

AIAA Technical Committee on Communications Systems: Ron Smith

IEE Satellite Communications Group: John Everett

International Journal on Satellite Communication: Michel Bousquet

How Does this TC Support the Society's Publications Initiatives?

TC representative attends Communications Magazine Editorial Board meetings at ICC and Globecom. TC solicits hot topics and feature topic ideas from members.

TC Liaisons for publications:

IEEE Communications Magazine Editorial Board: Abbas Jamalipour

IEEE Electronic Magazine, Regional Editor for radio and satellite communications: Walter Ciesluk

IEEE Journal on Selected Areas in Communications (JSAC): Desmond Taylor

Please Identify the Individuals Advanced by this TC for IEEE Communications Society Distinguished or Expert Lecturer Positions:

None since recertification.

To What Extent has this TC Advanced Individuals for Consideration as IEEE Senior Members or Fellows? (Details are invited.)

The TC serves as a resource for members in preparation of nomination forms and references.

TC Liaison to IEEE ComSoc Fellow Evaluation Committee: Desmond Taylor

Provide Other Information Pertinent to Recertification:

The TC has established an IEEE ComSoc Award, "The Distinguished Contributions to Satellite Communications Award," to encourage and recognize contributions to research and publication in the satellite communications field. Details are at

<http://www.comsoc.org/~ssc/SSC-Award.pdf>. We have had initial difficulties drawing nominations, but hope to establish this as an annual award.

This is an active committee with normally 15 to 30 persons attending TC meetings at ICC and Globecom, and a larger group participating electronically with conference organization and publications.

Would Representatives of this TC like to Meet with Members of the TCRC? For what purpose?

No, none that I am aware of.