

TAB PERIODICALS COMMITTEE
SOCIETY/COUNCIL PUBLICATIONS REVIEW REPORT

(Date report written - by reviewer)

IEEE COMMUNICATIONS SOCIETY-19

Review 17 November 2004

Initial data request to S/C: 11 June 2004

Data returned by S/C: 15 October 2004

Review performed: 17 November 2004

Draft report to S/C: (Date)

Report comments returned by S/C: (Date)

Final report submitted to TAB Periodicals Committee: (Date)

TAB PERIODICALS REVIEW COMMITTEE MEMBERS:

Robert Lorenz	TAB Periodicals Review Committee Chair		
Mohammad Shahidehpour	TAB Transactions Committee Chair	Jose' M.F. Moura	Member
Phillp Laplante	TAB Magazine Committee Chair	Stephen Yurkovich	Member
Badrul Chowdhury	TAB Newsletter Committee Chair	Pradeep Misra	Member
Saifur Rahman	TAB Periodicals Committee Chair		

PART 1 – PERIODICALS REVIEW PROCEDURE

The Charter of the TAB Periodicals Committee states that the Committee has oversight responsibility for all Society/Council (S/C) Periodicals. Specifically, the IEEE TAB Periodicals Committee is charged with:

- Ensuring the Timeliness and Quality of TAB publications
- Assessing proposals for new publications and making recommendations to TAB
- Resolving conflicts between S/C on issues of publications
- Informing TAB on new developments in the area of publications
- Assessing and recommending to TAB annual charges for publications

To carry out its responsibilities to TAB, and in particular to address the issues of timeliness and quality, the Periodicals Committee has instituted a Five-Year Review of S/C Periodicals, conducted at the same time as the S/C Review. The business of reviewing IEEE periodicals is assigned to the IEEE TAB Periodicals Review Committee (a subcommittee of the IEEE TAB Periodicals Committee).

The objectives of the Review are to:

- Examine timeliness and quality
- Assure that the publications comply with IEEE policies & procedures
- Assist the S/C in enhancing self awareness of its publications
- Determine the financial health of the publications
- Provide suggestions for improvements
- Determine best practices to share with other S/C

The Review should be seen as a positive vehicle to ensure that all the IEEE publications continue to maintain the highest of standards.

DESCRIPTION OF THE REVIEW

The Review process comprises the following stages:

- This questionnaire/template is transmitted to the S/C President well in advance of the scheduled Review. Financial information on the periodicals that is available at TAD Finance is included in this template.
- The Review is scheduled during the TAB series of meetings.
- Responses (this completed report) and other relevant information are provided to the Periodicals Review Committee by the S/C prior to the Review meeting.
- Periodicals Review Committee meets with the S/C Officers and Editors during the TAB series meetings.
- Periodicals Review Committee submits draft of report to the S/C President for comment.
- Final report is submitted to the IEEE TAB Periodicals Committee, for ultimate final submission to TAB, where the report becomes an archival record of the Review, to be referenced in future Reviews.

PART 2 – SCOPE OF REVIEW

(Completed by S/C)

The Committee met with the following S/C representatives to review the S/C's publications:

Curtis Siller, IEEE Communications Society President, 2004 – 2005
Roberto de Marca, Division III member of the IEEE Board of Directors.
Celia Desmond, IEEE Communications Society Past President
Jack Howell, IEEE Communications Society Executive Director

The following publications were reviewed:

- A. IEEE Transactions on Communications
IEEE Journal on Selected Areas in Communications
IEEE Communications Letters
- B. IEEE Wireless Magazine
IEEE Network
IEEE Communications Magazine

Transactions on Wireless Communications received a 3-year review in June 2004. That review is on file with the publications review committee.

PART 3 – S/C GENERAL INFORMATION

A. OFFICERS AND EDITORS

IEEE Communications Society 2004 Board of Governors

Elected Officers

President

C. A. SILLER, JR.,
Enginnovation, LLC

Past President

C. DESMOND, World Class—
Telecommunications

Treasurer

H. BLANK

Secretary/Executive Director

J. M. HOWELL, IEEE ComSoc

VP-Technical Activities

H. FREEMAN, Booz Allen
Hamilton Inc.

VP-Society Relations

N. CHEUNG, Telcordia
Technologies

VP-Membership Services

D. ZUCKERMAN

VP-Membership Development

A. GELMAN, Panasonic
Technologies

Members at Large

V. BHARGAVA ('04)

Univ. of Victoria

H. BLANK ('05)

T. S. ATKINSON ('06)

ICSI Consulting Services, Inc.

H. BRADLOW ('04)

Telstra

J. LIEBEHERR('05)

Univ. of Virginia

S. MOYER('06)

Telcordia Technol.

C-L. I ('04)

G000CCL/ITRI

J. LOCICERO ('05)

Illinois Inst. of Technology

N. OHTA ('06)

Sony Corp.

J. PETERSON ('04)

Lucent Technologies—Bell Labs

CHUNG-SHENG LI ('05)

IBM T. J. Watson Research Ctr.

H. STUETTGEN('06)

NEC Europe Ltd.

Appointed Officers

Chief Information Officer

M. KAROL

Avaya Inc.

Director—Journals

D. P. TAYLOR

Univ. of Canterbury

Director—Magazines

A. JAJSZCZYK

AGH Univ. of Technol.

Director—Meetings/Conferences

S. GOYAL

Director—Education
W. H. TRANTER
Virginia Tech.

Director—Membership Programs
Development
P. PERRA

Director—Asia/Pacific Region
I. SASASE
Keio Univ.

Director—EAME Region
M. JAGODIC

Director—LA Region
R. VEIGA

Director—NA Region
R. SHAPIRO

Director—Marketing
S. WEINSTEIN

Director—Related Societies
J. LOCICERO
Illinois Inst. of Technol.

Director—On-Line Content
J. HONG
POSTECH, Pohang, Korea

Director—Sister Society Relations
N. OHTA
Sony Corp.

Journals Board

Director of Journals
D. P. TAYLOR
Univ. of Canterbury

**Transactions on
Communications**
E. AYANOGLU, EIC
Univ. of California, Irvine

Communications Letters
E. BIGLIERI, EIC
Politecnico di Torino

**Journal on Selected Areas
in Communications**
N. F. MAXEMCHUK, EIC
Columbia Univ.

**Transactions on Wireless
Communications**
K. B. LETAIEF, EIC
Hong Kong Univ. of Science.
& Technology.

**IEEE/ACM Transactions on
Networking**
E. ZEGURA, EIC
Georgia Inst. of Technology.

Magazines Board

Director of Magazines
A. JAJSZCZYK
AGH Univ. Technology.

Communications Magazine
R. GLITHO, EIC
Ericsson Res. Canada
Network Magazine

C. BISDIKIAN, EIC
IBM T. J. Watson Res. Ctr.

**Wireless Communications
Magazine**
M. ZORZI, EIC
Univ. of Ferrara

**Global Communications
Newsletter**
J. GARCIA HARO, Editor
Polytechnic Univ.

Interactive Magazines
Y.-C. CHANG, Editor
LG Electronics

**IEEE Communications
Surveys & Tutorials**
M. REISSLEIN, EIC
Arizona State Univ.

ComSoc e-News
N. FONSECA, Editor
State Univ. of Campinas

IEEE Press
M. SHAFI, ComSoc Liaison
Telecom New Zealand Ltd.

Multimedia Magazine
C. W. CHEN, ComSoc Liaison
Univ. of Missouri—Columbia

Internet Computing Magazine
G. S. KUO, ComSoc Liaison
TRW Systems

**Optical Communications
Supplement**, Area Editors
C. QIAO, S. KARTALOPOULOS
SUNY Buffalo

Pervasive Computing
M. NAGHSHINEH,
ComSoc Liaison
IBM T. J. Watson Res. Ctr.

Please list the below EIC Information for the last 5 years

IEEE Transactions on Communications

1999 – Des Taylor
2000 – Norm Beaulieu
2001 – Norm Beaulieu
2002 – Norm Beaulieu
2003 – Norm Beaulieu

IEEE Journal on Selected Areas in Comm.

1999 – Larry Milstein
2000 – Bill Tranter
2001 – Bill Tranter
2002 – Nick Maxemchuk
2003 – Nick Maxemchuk

IEEE Communications Letters

1999 – Zeke Bar-Ness
2000 – Des Taylor
2001 – Des Taylor
2002 – Des Taylor
2003 – Des Taylor

IEEE Wireless Magazine (2001 and prior
IEEE Personal Communication Magazine)

1999 – Tom La Porta
2000 – Mahmoud Naghshineh
2001 – Mahmoud Naghshineh
2002 – Mahmoud Naghshineh
2003 – Michele Zorzi

IEEE Network

1999 – Jorg Liebeherr
2000 – Jorg Liebeherr
2001 – Peter O'Reilly
2002 – Peter O'Reilly
2003 – Peter O'Reilly

IEEE Communications Magazine

1999 – Andrzej Jajszczyk
2000 – Andrzej Jajszczyk
2001 – G.S. Kuo
2002 – G.S. Kuo
2003 – Roch Glitho

B. S/C PUBLICATION POLICIES

1. Describe methods used to assess publication needs of the membership:

- Periodic member surveys – 3 member surveys since 1999;
- 2 Communications Magazine reader surveys plus special surveys.
- Regularly monitor Xplore usage statistics; top ten articles monthly publicized on Web site.
- Editorial knowledge of BoG members, EICs, etc.

2. Describe methods used to receive feedback through readership input, e.g. letters to the Editor:

The EIC frequently seeks feedback from the readers at international conferences and the society technical committee meetings. Every year, we hold two editorial board meetings and two face-to-face meetings of the various Steering Committees. During these meetings, the EIC confers with editors and the Steering Committee members to get further feedback and when necessary, appropriate actions are taken to deal with any specific issue. The contact information for the EIC, the editorial board, the Steering Committee members, and IEEE ComSoc society staff is in every publication and on the IEEE ComSoc society and journal Web sites. Authors and members of the community at large are encouraged (e.g., in the ***Information for Authors*** on our web site and journal) to send comments and feedback to the EIC. This system seems to be working well. Some of the authors and readers do send comments and suggestions to the EIC either directly and/or via members of the editorial boards. For example, comments regarding the queue length and submission to publication date delay have been received and actions to deal with these issues have been taken. It is noted that so far most of the comments received have been positive and supportive.

3. Describe how the S/C is meeting demands for application related material:

There are open call-for-papers on our publications home pages and Calls for Papers have been run in several issues. These Call for Papers have been also distributed in major conferences. The editorial boards typically have some members who have been/are with industry. IEEE Communications Society publishes three magazines within our FOI. These magazines publish high-level application-oriented material. In addition, IEEE Journal on Selected Areas in Communications publishes what used to be special issues of the IEEE Transactions on Communications on current material that is closer to applications.

TRANSACTION(S)
(Completed by S/C)

A. IEEE TRANSACTIONS ON COMMUNICATIONS

1. *Date of first issue* – January 1953
2. *Frequency of publication* – 12 issues per year
3. *Is subscription to this periodical included in the Society membership fee?* No

B. SCOPE OF TRANSACTIONS ON COMMUNICATIONS

1. Please provide a summary of this Transaction's scope.

The field of interest of the Communications Society consists of all telecommunications including telephone, telegraphy, facsimile, and point-to-point television, by electromagnetic propagation including radio; wire; aerial; underground, coaxial, and submarine cables; waveguides, communication satellites, and lasers; in marine, aeronautical, space and fixed station services; repeaters, radio relaying, signal storage, and regeneration; telecommunication error detection and correction; multiplexing and carrier techniques; communication switching systems; data communications; and communication theory.

Editorial Groups:

- Modulation & Signal Design
- Wireless Communication
- Optical Communication
- Speech, Image, Video & Signal Processing
- Transmission Systems
- Network Architecture
- Coding & Communication Theory

2. Comment on the overlap of scope with other IEEE Transactions.

Just as our FOI overlaps, our publications overlap with those of Computer, Signal Processing, Information Theory, Circuits and Systems, Vehicular Technology, Antennas and Propagation Societies, and others to a lesser degree.

C. EDITORIAL POLICIES AND PROCEDURES

1. Describe the membership and function of the Society/Council AdCom, Publication Committee, Steering Committee, or Periodical Advisory Committee, in overseeing operation of the Transactions and in establishing and administering publication policies and procedures.

The Department of Journals is responsible for establishing policies and setting strategic directions for the archival journals published by the IEEE Communications Society. These include the Transactions on Communications, the Journal on Selected Areas in Communications (including the J-SAC Optical Communications and Networking Series), and Communications Letters. In addition, the Department of Journals has three seats on the nine-member Inter-Society Steering Committee for the IEEE/ACM Transactions on Networking and, through its membership on this steering committee, has a degree of responsibility for the successful operation of the Transactions on Networking. (Note: The other six members of the Inter-Society Steering Committee represent the IEEE Computer Society and the ACM). The Department of Journals also maintains close liaison with the Journal of Lightwave Technology. The Department of Journals has two seats on the Steering Committee of the Transactions on Multimedia, three seats on the Steering Committee of the Transaction on Wireless Communications, and two seats on the Steering Committee of the Transactions on Mobile Computing.

Each joint publication has an Agreement and Charter defining the provisions of the journal and the responsibilities of the Steering Committee.

Organizational Structure

The Department of Journals conducts its activities through the Journals Board. The Journals Board consists of the following members:

- The Director of Journals (Chair)
- The Editor-in-Chief of Transactions on Communications
- The Editor in Chief of Journal on Selected Areas on Communications
- The Editor-in-Chief of J-SAC Optical Communications and Networking Series
- The Editor-in-Chief of Transactions on Wireless Communications
- The Editor-in-Chief of Communications Letters
- The Editor-in-Chief of IEEE/ACM Transactions on Networking
- The ComSoc Editor for Journal of Lightwave Technology

The Director of Journals is appointed by the Vice President of Membership Services after conferring with the President of the Communications Society. With the exception of the Editor-in-Chief of the IEEE/ACM Transactions on Networking, all other members of the Journals Board are appointed by the Director of Journals. The Editor-in-Chief of the IEEE/ACM Transactions on Networking is selected by the Inter-Society Steering Committee. Candidates for membership on the Journals Board, and therefore the EICs of the respective journals, are normally selected from the pool of the most active editors of the journals.

Members of the Journals Board, including the Director of Journals, shall serve a nominal two-year term, with terms extendable, based on mutual agreement of the Director of Journals and the Vice President for Membership Services. In the event that a position on the Journals Board is vacated before the full two-year or three-year term is completed, the Director of Journals shall appoint a successor to complete the partial term and to serve an additional traditional (two-year or three-year) term. A term on the Journals Board concludes either by natural expiration, or by an invitation to resign issued by the Director of Journals.

IEEE ComSoc Editors-in-Chief (EICs) shall be appointed to an initial term of 2 years, renewable for 0, 1, or 2 additional years. The maximum term of an EIC shall be 4 years. An Associate Editor-in-Chief (AEIC) can be appointed, as appropriate, for a ComSoc magazine or journal to serve a 1 or 2 year term with the expectation that the AEIC would succeed the current EIC.

Activities

As stated above, the Department of Journals is responsible for the management of the archival journals published by the Communications Society. Duties of the Department of Journals include, but are not limited to, the following:

- Formulating strategic directions for the suite of archival Journals published by the IEEE Communications Society and to insure that the technical scope of the Communications Society is reflected by the suite of publications.
- Insuring the quality of all publications for which the Department of Journals is responsible.
- Working with the IEEE staff in Piscataway and New York to solve publications problems as they occur and to insure that all publications are produced in a timely manner and are consistent with IEEE publications requirements (keywords, copyrights, etc.)
- Formulating page budgets for each publication and recommending changes where appropriate.
- Tracking the month-to-month use of the page budgets to insure that significant deviations in the page budget (an under-run exceeding 5% or any over-run) are minimized to the extent

possible. Since page budget deviations affect the overall budget of the Communications Society, the Director of Journals is responsible for reporting these deviations to the Vice President of Membership Services and to the Executive Director of the Communications Society as soon as they are projected.

- Working with the Inter-Society Steering Committee to fulfill the responsibility of the Communications Society to the IEEE/ACM Transactions on Networking. (Note: Normally the Director of Journals will serve as one of the three ComSoc members of this steering committee.)
- Obtaining nominations for "best paper awards" and transmitting these nominations to the appropriate body.
- Maintaining and updating the IOPP (Integrated Online Publications Plan) and distributing the revised IOPP when any revisions are made.
- Continuously studying the suite of Journals offered by the Communications Society and recommending changes as appropriate. Recommendations should be made to the Vice President of Membership Services and, as examples, could include the addition of new Journals or changes in the publication schedule.
- Working with the Director of Magazines to insure that meeting facilities are available at regularly scheduled meetings of the Department of Journals and the Department of Magazines. (Note: Meetings of the Department of Journals are held at ICC and at Globecom. Other meetings may be called as deemed necessary by the Director of Journals.)
- As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services.
- The Director of Journals is expected to attend regularly scheduled meetings of the Communications Society Board of Governors and meetings of the OpCom to which he or she is invited. If the Director is unable to attend, the Director will consult with the Vice President of Membership Services to name an alternate on a per-meeting basis. Normally, the alternate will be a member of the Journals Board.

The above items represent the ongoing responsibilities of the Department of Journals as defined on the date of this document. In addition to these on-going responsibilities, a number of additional activities are typically identified in the course of day-to-day operations of the Communications Society. These often require the establishment of ad-hoc committees and/or working groups. The Director of Journals maintains a close working relationship with the Vice President of Membership Services to insure that all such requirements are properly handled as they are identified.

2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Transaction's Editorial Board or Committee)

Editors: Geographic distribution and employment can be inferred from the address information below.

Modulation & Signal Design

A. Ahlen, Demodulation and Equalization
Signals and Systems, Uppsala Univ.
Uppsala, Sweden

M. Brandt-Pearce, CDMA Systems
Univ. of Virginia, Charlottesville, VA

G. Cherubini, CDMA Systems
IBM Research Lab., Zurich, Switzerland

G. E. Corazza, Spread Spectrum
DEIS, Univ. of Bologna, Bologna, Italy

R. A. Kennedy, Data Commun.
Res. School Info. Sci. Eng.
Australian Nat'l. Univ., Canberra, Australia

R. Kohno, Spread Spectrum Theory & Appl.
Yokohama Univ., Yokohama, Japan

Wireless Communication

N. Al-Dhahir, Space-Time, OFDM and Equalization
AT&T, NJ

S. Ariyavisitakul, Area Editor
Broadband Wireless Solutions, Norcross, GA

S. Batalama, Spread Spectrum and Estimation
State Univ. of New York at Buffalo, Buffalo, NY

N. C. Beaulieu, Wireless Commun. Theory
Univ. of Alberta, Edmonton, AB, Canada

R. S. K. Cheng, CDMA & Multiuser Systems
HKUST, Hong Kong

K. Chugg, Signal Processing & Iterative Detection
Univ. of Southern California, Los Angeles, CA

Y. Fang, Wireless Networks
Univ. of Florida, Gainesville, FL

B. Jabbari, Wireless Multiple Access
George Mason Univ., Fairfax, VA

P. Y. Kam, Modulation and Detection
National Univ. of Singapore, Singapore

D. I. Kim, Spread Spectrum Transmission and
Access
Simon Fraser Univ., Burnaby, BC, Canada

Z. Kostic, Wireless Systems
AT&T Shannon Labs.-Research, Middletown, NJ

W. Krzymien, Spread Spectrum and Multicarrier
Syst. Univ. of Alberta, Edmonton, AB, Canada

Optical Communication

H. Leib, Commun. and Inform. Theory
McGill Univ., Montreal, PQ, Canada

L. Rasmussen, Iterative Detection Decoding and
ARQ
Univ. of South Australia, Adelaide, Australia

R. Schober, Detection, Equalization, & MIMO
Univ. of British Columbia, Vancouver, BC, Canada

C. Tellambura, Multicarrier Systems
Univ. of Alberta, Edmonton, AB, Canada

X. Wang, Multiuser Detection & Equalization
Columbia Univ., New York, NY

I. Lee, Wireless Communication Theory
Korea Univ., Seoul, Korea

K. B. Letaief, Wireless Systems
HKUST, Hong Kong

K. K. Leung, Wireless Network Access &
Performance
AT&T Labs.-Research, Murray Hill, NJ

Y. Li, Wireless Communication Theory
AT&T Labs.-Research, Middletown, NJ

A. Lozano, Wireless Network Access &
Performance
Lucent Technologies, Bell Labs, Holmdel, NJ

P. T. Mathiopoulos, Wireless Personal Commun.
Univ. of Brit. Columbia, Vancouver, BC, Canada

A. Nagueib, Space-Time & CDMA
Morphics Technology Inc., Campbell, CA

R. A. Valenzuela, Wireless Systems
Lucent Technologies, Bell Labs, Holmdel, NJ

J. Wang, Wireless Spread Spectrum
Univ. of Hong Kong, Hong Kong

L. Wei, CDMA Systems
Univ. of Central Florida, Orlando, FL

T. Wong, Wideband and Multiple Access Wireless
Syst.
Univ. of Florida, Gainesville, FL

I. Andonovic, Optical Networks and Devices
Univ. of Strathclyde, Glasgow, Scotland

R. Hui, Optical Transmission and Switching
Univ. of Kansas, Lawrence, KS

D. K. Hunter, Photonic Networks
Marconi Lab, Cambridge, U.K.

K. Kitayama, Photonic Networks & Fiber-Optic
Wireless
Osaka Univ., Osaka, Japan

Speech, Image, Video, & Signal Processing

B. Girod, Image Processing, Area Editor
Stanford Univ., Stanford, CA

K. Illgner, Image Processing & Transmission
Texas Instruments, Inc., Dallas, TX

K.-K. Ma, Video & Signal Processing
Nanyang Tech. Univ., Singapore

Transmission Systems

V. Aalo, Diversity & Fading Channel Theory
Florida Atlantic Univ., Boca Raton, FL

A. Abu-Dayya, Diversity & Modulation
AT&T Wireless, Redmond, WA

M.-S. Alouini, Modulation & Diversity Syst.
Univ. of Minnesota, Minneapolis, MN

M. Chiani, Wireless Commun.
Univ. of Bologna, Bologna, Italy

R. De Gaudenzi, Synchronization and CDMA
European Space Agency, Noordwijk, The
Netherlands

X. Dong, Modulation and Signal Design
Univ. of Alberta, Edmonton, AB, Canada

H. El Gamal, Space-Time Coding & Spread
Spectrum
Ohio State Univ., Columbus, OH

M. Fitz, Modulation & Diversity Syst.
Ohio State Univ., Columbus, OH

S. Miller, Wireless Modulation
Texas A&M Univ., College Station, TX

W. C. Kwong, Optical Networks
Hofstra Univ., Hempstead, NY

P. Prucnal, Area Editor & Light. Networks
Princeton Univ., Princeton, NJ

J. Salehi, Optical CDMA
Sharif Univ., Tehran, Iran

C. S. Ravishankar, Speech Processing
Hughes Network Systems, Germantown, MD

K. Rose, Source/Channel Coding
Univ. of California, Santa Barbara, CA

R. Raheli, Detection, Equalization, & Coding
Univ. of Parma, Parma, Italy

R. Reggiannini, Synchronization & Wireless Appl.
Univ. di Pisa, Pisa, Italy

F. Santucci, Wireless Systems Performance
Univ. of L'Aquila, L'Aquila, Italy

L. Vandendorpe, Synchronization & Equalization
Univ. Catholique de Louvain
Louvain-la-Neuve, Belgium

G. Vitetta, Equalization and Fading Channels
Univ. of Modena, Modena, Italy

C.-L. Wang, Equalization
National Tsing Hua Univ., Taiwan

M. Z. Win, Equalization & Diversity
AT&T Labs.-Research, Middletown, NJ

J. Winters, Area Editor & Equalization
AT&T Labs.-Research, Middletown, NJ

Network Architecture

R. Fantacci, Wireless Networks and Systems
Univ. di Firenze, Firenze, Italy

M. Hamdi, Switching, Routing, & Optical Networks
HKUST, Hong Kong

G. S. Kuo, Commun. Architect.
National Central Univ., Chung-Li, Taiwan

T. Lee, Switching Architect. Perform.
Chinese Univ. of Hong Kong, Hong Kong

A. Pattavina, Switching Architect. Perform.
Politec. di Milano, Italy

T.-S. P. Yum, Packet Access & Switching
Chinese Univ. of Hong Kong, Hong Kong

M. Zorzi, Wireless Multiple Access
Universita'di Ferrara, Ferrara, Italy

Coding & Commun. Theory

E. Ayanoglu, Commun. Theory & Coding Appl.
Cisco Systems, San Jose, CA

A. Banihashemi, Coding & Commun.
Carleton Univ., Ottawa, ON, Canada

V. K. Bhargava, Coding & Commun. Theory Appl.
Univ. of Victoria, Victoria, BC, Canada

M. Fossorier, Coding & Commun. Theory
Univ. of Hawaii, Honolulu, HI

P. Hoeher, Coding & Iterative Processing
Kiel Univ., Kiel, Germany

A. K. Khandani, Coding & Information Theory
Univ. of Waterloo, Waterloo, ON, Canada

W. E. Ryan, Modulation, Coding & Equalization
Univ. of Arizona, Tucson, AZ

C. Schlegel, Coding Theory & Techniques
Univ. of Alberta, Edmonton, AB, Canada

R. D. Wesel, Coding & Coded Modulation
UCLA, Los Angeles, CA

S. G. Wilson, Area Editor & Coding Theory & Appl.
Univ. of Virginia, Charlottesville, VA

3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services. EIC are selected for a two-year term with an optional one-year extension. EICs are typically chosen from among the ranks of the associate editors. On-the-Job training as an Associate Editors is the primary preparation for EIC duties and responsibilities.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Associate Editors are typically selected by the EIC from the ranks of the reviewers. AEs are mentored by experienced AEs and the EIC. Turnover is always a problem because of the time demands; however, the prestige and impact of our publications contribute to the stability of the editorial team and make it a more manageable problem.

D. QUALITY

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

All papers are submitted electronically to the EIC office. All papers are first reviewed for submission compliance (e.g., length requirements) by the Editorial Assistant before being sent along to the EIC. After review, the EIC determines whether or not the paper should go through the review process. If not, the author is notified of the administrative rejection, which can include concerns of quality, contribution, or being out of scope. Otherwise, the paper is assigned to an Associate Editor that is familiar with the topic area. The Associate Editor is required to find the appropriate reviewers. Each paper must have normally at least three reviews before a final decision can be made. In some special cases the Associate editor may make a decision based upon two reviews if 1) both reviewers are negative; and 2) he/she has thoroughly read the manuscript and agrees with the reviewers' comments and recommendations. In this case, the editor at his/her own discretion may go ahead with a final decision so as to not delay the paper processing time. The Associate Editor makes a final decision after reviewing each review and the author is notified of the decision. Throughout the process, the EIC office is monitoring the progress of every paper to ensure that reviewers are assigned by the deadline,

reviews are submitted by the deadline, and that final decisions are being made in a timely manner. If not, the Associate Editor is notified and asked to intervene. The EIC office also ensures that all appropriate peer review practices are being followed or adhered to. Throughout the review process, we follow a blind review process where all reviewers remain anonymous.

If a paper is accepted, the Associate Editor is required to submit the final accepted manuscript to the Publication / Production Editor along with a Transmittal form which includes all the details about the paper, authors, submission dates, acceptance dates, etc. The Publications / Production Editor then contacts the corresponding author and provides him/her with a materials checklist and a deadline. The Publications / Production Editor will then follow up with the corresponding author if any materials are missing or a deadline is missed. Once all manuscript materials are received and the Publications / Production Editor has ensured that the paper meets all the publication guidelines, the paper is sent to the IEEE production editor for typesetting and editing. Final galley proofs are sent to the author for review and comment by email. Once any corrections have been made, the final version of the paper is sent to the author so that final corrections can be verified. The paper is then considered complete and is queued for publication.

E. TIMELINESS

Is every issue of this periodical mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5.

Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete.

Unfortunately some of the required requested data is not routinely or automatically collected. **We will update this table as it becomes available.**

IEEE TRANSACTIONS ON COMMUNICATIONS

NUMBER OF PAPERS:		2000	2001	2002	2003	2004
1	Submitted (Jan-Sep for 2004)	501	658	884	951	637
	Published (Jan-Sep for 2004)	257	254	260	283	254
2	Returned by EIC for scope reasons, obvious poor quality, etc.			165	157	16
3	Peer reviewed (row 1 less row 2)			719	794	621
3a	Papers from Row 3 eventually rejected	242	276	448	12	52
3b	Papers from Row 3 in review process					540
3c	Papers from Row 3 with authors in revision					
3d	Other papers from Row 3 (explain in comments below)					15 (With drawn)
3e	Papers from Row 3 queued for publication					14
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, , list in year of submittal where it is counted in Row 3)					
4	Total: Rows 3a-3f, should equal Row 3					
5	PERCENTAGE ACCEPTED	51	38	29	30	
6	Average number of months from Author Submission to Publication Date (submission to issue where paper appears)					

**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6					
	Region 7					
	Region 8					
	Region 9					
	Region 10					

**** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.**

COMMENTS:

F. COMPETITOR PUBLICATIONS

(To give the proper overview of our competitors, this section will be the same for all of our publications.)

List ALL the competitor publications, including those of the IEEE, other learned societies, and commercial publishers. Briefly compare the scope and status of the five most important of these.

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

IEEE Communications Magazine competes with many controlled circulation publications for industry advertising and circulation carries much credibility in this arena. Surveys tell us exactly what members are actually reading for industry and product information; we include these publications as competitors for Communications Magazine. None of these periodicals are rated by the ISI Citation Report. Communications Magazine performs as a hybrid -- rating high in citations and online usage while acknowledged as an industry information source, generating over \$900,000 per year in advertising revenue.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), and #7 (Transactions on Communications), #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are # 2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications).

Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (T-Comm legacy), #39 (Communications Letters), #55 (Network magazine), #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

ComSoc Title	Competing Titles	Publisher	circ	Impact	Cite ½ life	Immed	Papers/yr
IEEE Transactions on Communications				1.665	8.8	.162	272
	Computer Networks & ISDN Systems	Elsevier		.918	5.1	.130	131
	International Journal of Electronics	Taylor & Francis		.249	9.6	.017	58
	Electronic Letters	IEE		1.010	6.4	.124	1195
	Journal of Communications and Networks	AIEI Korean Inst. of Communication Sciences		.571	na	.024	41
	British Telecommunications Technology Journal	Kluwer		0.176	4.6	.729	70
	Bell Labs Technical Journal	AT&T		.673	7.0	.053	57
	Trans Antenn Propagation	IEEE		.941	>10	.156	417
	IEICE Trans Communications	IEICE		.436	4.2	.092	414
	Trans Veh Communications	IEEE		.849	7.7	.064	141
	International Journal of Wireless Information Networks	Plenum Press		NA	NA	NA	NA
	Signal Processing/Image Communication	Elsevier		NA	NA	NA	NA
	Computer Physics Communications	Elsevier		NA	NA	NA	NA
	European Transactions on Telecommunications	ELE		NA	NA	NA	NA

Widely-accepted measures exist for comparing periodicals with respect to the “impact” they have on the field. For each of the five competitor publications listed above, list the circulation, Impact Factor, Citation Half-Life, Immediacy Index, and number of articles/pages published per year. This information (for most publications in the field) was provided to the EIC for this Review, but may also be obtained from IEEE staff (because it is a commercial product, the information is not readily available electronically). Definitions of these measures are as follows:

Impact factor: Average number of citations of articles over a two-year period divided by the number of articles published in the journal in the same period.

Citation Half-Life: The number of journal publication years going back from the current year which account for 50% of the total citation received by the journal during the current year.

Immediacy Index: The proportion of citations that refer to articles appearing within the most immediate past period (year?)

(See **M. Self Assessment** for the Citations report)

G. FINANCIAL AND SUBSCRIPTION INFORMATION

Trans on Communications	2000	2001	2002	2003	2004	2005 Budget
Pages/Year	2203	2304	2240	2195	2300	2300
Issue/Year	12	12	12	12	12	12
<u>Subscribers (Units)</u>						
Regular Member	5670	5574	4929	4055	3298	3100
Student Member	539	512	428	356	357	500
Individual Non-Member	1088	1001	899	770	607	600
Regular Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
Student Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
<u>Subscription Rates (\$)</u>						
Regular Member	27	27	27	32	n/a	n/a
Student Member	20	20	20	22	n/a	n/a
Individual Non-Member	375	425	465	515	600	665
Regular Interdisciplinary	-	-	-	-	-	-
Student Interdisciplinary	-	-	-	-	-	-
Member Electronic	n/a	n/a	n/a	n/a	38	38
Member Combo	n/a	n/a	n/a	n/a	53	65
Included in Membership Fee	no	no	no	no	no	no
<u>Voluntary Page Charges</u>						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

H. FINANCIAL AND SUBSCRIPTION DISCUSSION

Comment on any financial anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

Comment on any subscription anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

I. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

All of our publications are fully compliant with IEEE Policies and Procedures

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OpeRA and IEL efforts.

All of our archives and publications are part of the IEL.

5. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless - advances in 3G and beyond, Wi-Fi" Access (at WCNC and PIMRC).
- Internet - getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks -Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, IPv6 applications EntNet@SUPERCOMM).
- Network Management - Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

K. NOTABLE FEATURES

IEEE Transactions on Communications publishes archival articles in the field of communications. Although it has reviewing editors in the areas of Optical Communication, Speech, Image, Video, and Signal Processing, as well as Network Architecture, most of the papers submitted fall into the categories of Modulation and Signal Design, Transmission Systems, and Wireless Networks. Although IEEE Communications Society initiated the Transactions on Wireless Communications in 2002, IEEE Transactions on Communications still receives a large number of papers in the field of wireless communications. IEEE Transactions on Communications does not publish special issues. IEEE Communications Society initiated IEEE Journal on Selected Areas in Communications for publication of special issues in 1983.

L. FUTURE PLANS

IEEE Transactions on Communications has a goal of using Manuscript Central for its editorial processes. This will streamline and centralize the process of paper reviews and will shorten the review cycle.

M. SELF ASSESSMENT

There are 205 journals tracked by Thomson ISI Journal Citation Reports covering the subject area of Electrical and Electronics Engineering during the year 2003. In the field of communications and in the

specific area covered by the IEEE Transactions on Communications, the relevant journals, ranked by the impact factor, have the following statistics.

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5). The corresponding number for the IEEE Transactions on Communications is 0.63 (17 and 27). Discarding this situation, the role of the IEEE Transactions on Communications becomes clear. In its field, the IEEE Transactions on Communications has the second largest number of articles published in 2003. It has a high cited half-life (age range of the 50% of the cited articles), in line with that of an archival journal. Its immediacy index (ratio of the number of cites in 2003 to the number of articles in 2003) is moderate, showing a good balance of archival nature and relevant articles. The table shows that the IEEE Transactions on Communications fulfills its designated role of being the flagship archival journal in its field, complemented by magazines and a journal of selected areas (special issues) to cover the higher level and most up-to-date material.

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
2	IEEE Personal Comm. Magazine	1019	3.366	-	0	-
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Sel. Areas Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9
165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-
178	Int. Journal Comm. Systems	53	0.142	0.000	55	-
184	NTT Review	65	0.117	0.200	20	-
200	IETE Journal Research (India)	14	0.029	0.000	35	-
202	Electron. Comm. Japan (Comm.)	36	0.015	0.000	115	-

N. REVIEW COMMITTEE REMARKS REGARDING THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

O. REVIEW COMMITTEE RECOMMENDATIONS FOR THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

A. IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS (JSAC)

1...Date of first issue – January 1983

2. Frequency of publication – 12 issues per year including 4 issues of the *Wireless Series* in until 2002, 9 issues since.

3. Is subscription to this periodical included in the Society membership fee? No

B. SCOPE of IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS (JSAC)

1. Please provide a summary of this Transaction's scope.

Each issue of the IEEE Journal on Selected Areas in Communications (J-SAC) is devoted to a specific technical topic and thus provides to J-SAC readers a collection of up-to-date papers on that topic. These issues are valuable to the research community and become valuable references. The technical topics covered by J-SAC issues span the entire field of communications and networking. J-SAC publishes only papers that are submitted in response to a Call-for-Papers. These calls are published in J-SAC issues and other publications of the IEEE Communications Society as appropriate to the subject area of the call. Papers submitted for review for possible publication in a J-SAC issue must be submitted to one of the Guest Editors listed in the Call-for-Papers. See "Information for Authors" found in any J-SAC issue for additional instructions.

Topics for J-SAC issues are determined by the J-SAC Editorial Board after review of proposals submitted by interested parties. All are invited to submit proposals. Instructions for submitting proposals are included in the Guidelines.

Each issue of the IEEE Journal on Selected Areas in Communications (J-SAC) is devoted to a specific technical topic and thus provides to J-SAC readers a collection of up-to-date papers on that topic. These issues are valuable to the research community and become valuable references. The technical topics covered by J-SAC issues span the entire field of communications and networking. J-SAC publishes only papers that are submitted in response to a Call-for-Papers. These calls are published in J-SAC issues and other publications of the IEEE Communications Society as appropriate to the subject area of the call. Papers submitted for review for possible publication in a J-SAC issue must be submitted to one of the Guest Editors listed in the Call-for-Papers. Recent issue themes included:

- Speech and Image Coding.
- Medical Communications.
- HDTV and Digital Video Communications.
- B-ISDN Applications and Economics.
- Wireless Personal Communications.
- Advances in Satellite Communication.
- Fading Channels and Equalization.
- Spread Spectrum.

2. Comment on the overlap of scope with other IEEE Transactions.

Just as our FOI overlaps, our publications overlap with those of Computer, Signal Processing, Information Theory, Circuits and Systems, Vehicular Technology, Antennas and Propagation Societies, and others to a lesser degree.

C. EDITORIAL POLICIES AND PROCEDURES

1. Describe the membership and function of the Society/Council AdCom, Publication Committee, Steering Committee, or Periodical Advisory Committee, in overseeing operation of the Transactions and in establishing and administering publication policies and procedures.

The Department of Journals is responsible for establishing policies and setting strategic directions for the archival journals published by the IEEE Communications Society. These include the Transactions on Communications, the Journal on Selected Areas in Communications (including the J-SAC Optical

Communications and Networking Series), and Communications Letters. In addition, the Department of Journals has three seats on the nine-member Inter-Society Steering Committee for the IEEE/ACM Transactions on Networking and, through its membership on this steering committee, has a degree of responsibility for the successful operation of the Transactions on Networking. (Note: The other six members of the Inter-Society Steering Committee represent the IEEE Computer Society and the ACM). The Department of Journals also maintains close liaison with the Journal of Lightwave Technology. The Department of Journals has two seats on the Steering Committee of the Transactions on Multimedia, three seats on the Steering Committee of the Transaction on Wireless Communications, and two seats on the Steering Committee of the Transactions on Mobile Computing. Each joint publication has an Agreement and Charter defining the provisions of the journal and the responsibilities of the Steering Committee.

Organizational Structure

The Department of Journals conducts its activities through the Journals Board. The Journals Board consists of the following members:

- The Director of Journals (Chair)
- The Editor-in-Chief of Transactions on Communications
- The Editor in Chief of Journal on Selected Areas on Communications
- The Editor-in-Chief of J-SAC Optical Communications and Networking Series
- The Editor-in-Chief of Transactions on Wireless Communications
- The Editor-in-Chief of Communications Letters
- The Editor-in-Chief of IEEE/ACM Transactions on Networking
- The ComSoc Editor for Journal of Lightwave Technology

The Director of Journals is appointed by the Vice President of Membership Services after conferring with the President of the Communications Society. With the exception of the Editor-in-Chief of the IEEE/ACM Transactions on Networking, all other members of the Journals Board are appointed by the Director of Journals. The Editor-in-Chief of the IEEE/ACM Transactions on Networking is selected by the Inter-Society Steering Committee. Candidates for membership on the Journals Board, and therefore the EICs of the respective journals, are normally selected from the pool of the most active editors of the journals.

Members of the Journals Board, including the Director of Journals, shall serve a nominal two-year term, with terms extendable, based on mutual agreement of the Director of Journals and the Vice President for Membership Services. In the event that a position on the Journals Board is vacated before the full two-year or three-year term is completed, the Director of Journals shall appoint a successor to complete the partial term and to serve an additional traditional (two-year or three-year) term. A term on the Journals Board concludes either by natural expiration, or by an invitation to resign issued by the Director of Journals.

IEEE ComSoc Editors-in-Chief (EICs) shall be appointed to an initial term of 2 years, renewable for 0, 1, or 2 additional years. The maximum term of an EIC shall be 4 years. An Associate Editor-in-Chief (AEIC) can be appointed, as appropriate, for a ComSoc magazine or journal to serve a 1 or 2 year term with the expectation that the AEIC would succeed the current EIC.

Activities

As stated above, the Department of Journals is responsible for the management of the archival journals published by the Communications Society. Duties of the Department of Journals include, but are not limited to, the following:

- Formulating strategic directions for the suite of archival Journals published by the IEEE Communications Society and to insure that the technical scope of the Communications Society is reflected by the suite of publications.
- Insuring the quality of all publications for which the Department of Journals is responsible.

- Working with the IEEE staff in Piscataway and New York to solve publications problems as they occur and to insure that all publications are produced in a timely manner and are consistent with IEEE publications requirements (keywords, copyrights, etc.)
- Formulating page budgets for each publication and recommending changes where appropriate.
- Tracking the month-to-month use of the page budgets to insure that significant deviations in the page budget (an under-run exceeding 5% or any over-run) are minimized to the extent possible. Since page budget deviations affect the overall budget of the Communications Society, the Director of Journals is responsible for reporting these deviations to the Vice President of Membership Services and to the Executive Director of the Communications Society as soon as they are projected.
- Working with the Inter-Society Steering Committee to fulfill the responsibility of the Communications Society to the IEEE/ACM Transactions on Networking. (Note: Normally the Director of Journals will serve as one of the three ComSoc members of this steering committee.)
- Obtaining nominations for "best paper awards" and transmitting these nominations to the appropriate body.
- Maintaining and updating the IOPP (Integrated Online Publications Plan) and distributing the revised IOPP when any revisions are made.
- Continuously studying the suite of Journals offered by the Communications Society and recommending changes as appropriate. Recommendations should be made to the Vice President of Membership Services and, as examples, could include the addition of new Journals or changes in the publication schedule.
- Working with the Director of Magazines to insure that meeting facilities are available at regularly scheduled meetings of the Department of Journals and the Department of Magazines. (Note: Meetings of the Department of Journals are held at ICC and at Globecom. Other meetings may be called as deemed necessary by the Director of Journals.)
- As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services.
- The Director of Journals is expected to attend regularly scheduled meetings of the Communications Society Board of Governors and meetings of the OpCom to which he or she is invited. If the Director is unable to attend, the Director will consult with the Vice President of Membership Services to name an alternate on a per-meeting basis. Normally, the alternate will be a member of the Journals Board.

The above items represent the ongoing responsibilities of the Department of Journals as defined on the date of this document. In addition to these on-going responsibilities, a number of additional activities are typically identified in the course of day-to-day operations of the Communications Society. These often require the establishment of ad-hoc committees and/or working groups. The Director of Journals maintains a close working relationship with the Vice President of Membership Services to insure that all such requirements are properly handled as they are identified.

2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Transaction's Editorial Board or Committee)

Editors: Geographic distribution and employment can be inferred from the address information below.

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3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services. EICs are selected for a two-year term with an optional one-year extension. EICs are typically chosen from among the ranks of the associate editors. On-the-Job training as an Associate Editor is the primary preparation for EIC duties and responsibilities.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Associate Editors are typically selected by the EIC from the ranks of the reviewers. AEs are mentored by experienced AEs and the EIC. Turnover is always a problem because of the time demands; however, the prestige and impact of our publications contribute to the stability of the editorial team and make it a more manageable problem.

D. QUALITY

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

All J-SAC issues begin life as a proposal. Proposals may be developed by anyone having interest and expertise in a technical area within the scope of the IEEE Communications Society. Each issue of J-SAC is devoted to a single topic in the communications discipline, and it is important that special attention be paid to new and rapidly evolving communication techniques.

A number of stimuli give rise to quality proposals. Proposals typically come from individuals having expertise in an emerging technical area who also wish to make a significant technical contribution by bringing together the expertise of others working in their area of expertise. Proposals are often stimulated by technical workshops. The organizers of workshops are therefore encouraged to review

the papers presented in their workshops and determine if some of these presentations can serve as a core of papers for a J-SAC issue. Workshops are especially appropriate sources of J-SAC proposals since workshops usually deal with new cutting edge technology. Technical session presentations at ComSoc sponsored conferences can also provide a core of papers around which a J-SAC issue can be built. Session Organizers and Session Chairmen should therefore review their sessions with a J-SAC issue in mind. In addition, the work of ComSoc technical committees can serve as a catalyst for J-SAC proposals.

The J-SAC Board also entertains proposals for mini-issues of J-SAC. These mini-issues contain approximately six papers and are published along with a mini-issue in a different technical area. Mini-issues can also result from a regular proposal that results in fewer than the expected number of paper submissions. The success of J-SAC depends upon a continuing flow of quality proposals. Any of the J-SAC editors can help with proposal preparation.

Information to be provided

The format of a proposal is not important but it should contain the following information:

- The topic and scope of the proposed issue should be carefully identified. It is important to describe why the proposed topic is timely and significant.
- A brief outline of the proposed issue should be given, indicating the areas in which papers will be solicited.
- A plan for obtaining quality papers should be given, indicating the potential sources of papers.
- The Guest Editor should be identified, along with Co-Guest Editors. (A typical J-SAC issue usually involves three or four Guest Editors.) If possible Co-Guest Editors should be selected so that a good technical and geographical balance is achieved.
- The proposed review process should be described, and list of potential reviewers should be included with the proposal. (A peer-review process is essential to the development of a quality issue.)
- A proposed call-for-papers should be included.
- A brief resume of the proposed Guest Editor and Co-Guest Editors and/or Associate Guest Editors should be included.
- General Information

The two essential ingredients of a successful issue of J-SAC are a timely topic and Guest Editors who are willing and able to develop the proposed topic. Each issue of J-SAC will include between 8 and 20 papers, with each paper being approximately 20 double-spaced pages. The Guest Editor is responsible for developing an editorial which establishes the perspective of the issue and introduces the papers. This editorial is the first item in the issue. If appropriate, a tutorial paper should be included in the issue, which overviews the subject area of the issue and places the global theoretical and/or implementation techniques in proper perspective. (If such a tutorial paper is deemed appropriate, it should be remembered that tutorial papers must be especially well written, must accurately cite previously published papers, and must contain a reasonably complete bibliography. They must also go through a review process.)

Duties of the Guest Editor

- After approval of a proposal, the first duty of the Guest Editor is to establish a tentative publication schedule with the J-SAC Executive Editor. The normal lead time is 18-24 months.
- The next duty of the Guest Editor is the extremely important task of paper solicitation and review. In addition to the solicitation process identified by the Guest Editor, it is important that a call-for-papers be published in the publications of the Communications Society since without a call-for-papers many Communications Society members will not have access to the issue. The Call for Papers is prepared by the Guest Editor and briefly describes the topics to be addressed and identifies all deadlines associated with publication of the issue.
- The Guest Editor is in charge of the review process and makes the important decisions on which papers are to be published. The J-SAC Senior Editors are available for consultation.

The Guest Editor conducts all correspondence with the paper authors and oversees all revisions required or suggested by the reviewers.

Disposition of the Proposal

All proposals should be submitted to the J-SAC Editor-in-Chief. The J-SAC Editorial Board will make every attempt to arrive at a timely decision on the proposal, and the proposer will be notified of the Editors' decision. At that time a J-SAC Senior Editor will be assigned to work with the Guest Editor on development of the issue. If a proposer has questions on the development of the proposal, or needs help in some part of the process, they are invited to contact any of the J-SAC Editors.

E. TIMELINESS

Is every issue of this periodical mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5.

Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete.

This is data for JSAC only - nine issues for all years except 8 issues in 2003. Does not include the Wireless series, which became a separate Journal in 2001 and was reviewed and approved for inclusion in the ASPP in June 2004. Some data not readily available as JSAC has a different editorial team for each issue. Geographical stats for 2004 do not contain info from Oct/Dec 04.

Journal on Selected Areas in Communications

	NUMBER OF PAPERS:	2000	2001	2002	2003	2004
1	Submitted	472	317	385	405	419
2	Returned by EIC for scope reasons, obvious poor quality, etc.					
3	Peer reviewed (row 1 less row 2)	132	144	149	123	135
3a	Papers from Row 3 eventually rejected					
3b	Papers from Row 3 in review process					
3c	Papers from Row 3 with authors in revision					
3d	Other papers from Row 3 (explain in comments below)					
3e	Papers from Row 3 queued for publication					
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, list in year of submittal where it is counted in R 3)	132	144	149	123	135
4	Total: Rows 3a-3f, should equal Row 3	132	144	149	123	135
5	PERCENTAGE ACCEPTED	27	45	38	30	32
6	Average number of months from Author Submission to Publication	12	12	12	16	15
**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6	53	56	51	53	55
	Region 7	3	1	4	2	7
	Region 8	28	29	35	29	25
	Region 9	0	0	0	0	0
	Region 10	16	14	10	16	13

**** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.**

a. Describe what the S / C is doing to anticipate and solve the problems associated with the move from paper to electronic publishing.

Society periodicals have been available in both print and electronic formats for the period of this review. Future problems will be largely financial and we are participating in the related TAB activities. The IEEE ComSoc digital library serves as a "laboratory" for investigating innovative features such as the CommOntology, patent citation, and personalization tools.

F. COMPETITOR PUBLICATIONS (To give the proper overview of our competitors, this section will be the same for all of our publications.)

List ALL the competitor publications, including those of the IEEE, other learned societies, and commercial publishers. Briefly compare the scope and status of the five most important of these.

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

IEEE Communications Magazine competes with many controlled circulation publications for industry advertising and circulation carries much credibility in this arena. Surveys tell us exactly what members are actually reading for industry and product information; we include these publications as competitors for Communications Magazine. None of these periodicals are rated by the ISI Citation Report. Communications Magazine performs as a hybrid -- rating high in citations and online usage while acknowledged as an industry information source, generating over \$900,000 per year in advertising revenue.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), and #7 (Transactions on Communications), #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are # 2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications).

Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (TComm legacy), #39 (Communications Letters), #55 (Network magazine), #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

ComSoc Title	Competing Titles	Publisher	circ	Impact	Cite ½ life	Immed	Papers /yr
IEEE Journal on Selected Areas in Communications				1.967	5.8	.343	143
	Computer Networks & ISDN Systems	Elsevier		.918	5.1	.130	131
	International Journal of Electronics	Taylor & Francis		.249	9.6	.017	58
	Electronic Letters	IEE		1.010	6.4	.124	1195
	Journal of Communications and Networks	AIEI Korean ICS		.571	n/a	.024	41
	British Telecommunications Technology Journal	Kluwer		0.176	4.6	.729	70
	Bell Labs Technical Journal	AT&T		.673	7.0	.053	57
	Trans Antenna Propagation	IEEE		.941	>10	.156	417
	IEICE Trans Communications	IEICE		.436	4.2	.092	414
	Trans Vehicular Communications	IEEE		.849	7.7	.064	141
	International Journal of Wireless Information Networks	Plenum Press		NA	NA	NA	NA
	Signal Processing/Image Communication	Elsevier		NA	NA	NA	NA
	Computer Physics Communications	Elsevier		NA	NA	NA	NA
	European Transactions on Telecommunications	ELE		NA	NA	NA	NA

G. FINANCIAL AND SUBSCRIPTION INFORMATION

JSAC	2000	2001	2002	2003	2004	2005 Budget
Pages/Year	2684	2620	1852	1843	1950	2400
Issue/Year	12	12	9	9	10	12
Subscribers (Units)						
Regular Member	4327	4240	3692	2961	2341	2170
Student Member	424	381	350	255	215	375
Individual Non-Member	542	494	411	337	262	270
Regular Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
Student Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
Subscription Rates (\$)						
Regular Member	32	32	25	30	n/a	n/a
Student Member	20	20	15	18	n/a	n/a
Individual Non-Member	425	475	415	475	575	665
Regular Interdisciplinary	-	-	-	-	-	-
Student Interdisciplinary	-	-	-	-	-	-
JSAC	2000	2001	2002	2003	2004	2005 Budget
Member Electronic	n/a	n/a	n/a	n/a	35	38
Member Combo	n/a	n/a	n/a	n/a	50	65
Included in Membership Fee	no	no	no	no	no	no
Voluntary Page Charges						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

H. FINANCIAL AND SUBSCRIPTION DISCUSSION

Comment on any financial anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

Comment on any subscription anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

I. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

All of our publications are fully compliant with IEEE Policies and Procedures

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OpeRA and IEL efforts.

All of our archives and publications are part of the IEL.

5. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless - advances in 3G and beyond, "Wi-Fi" Access (at WCNC and PIMRC).
- Internet - getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks -Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, IPv6 applications EntNet@SUPERCOMM).
- Network Management - Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

K. Notable Features

JSAC is a series of issues, each dedicated to a single topic. About 3/4 of the issues are proposed by members of the various TC's and about 1/4 are stimulated by the editorial board following meetings that discuss emerging areas that may not be covered by a TC, and consideration of recently published issues. Historically the journal has published most of its issues on networking and classical communications. In the past 3 years the journal has reached out to the other TC's and has increased the range of topics that are covered by newly appointed senior editors

L. FUTURE PLANS

Describe future plans for the Transactions.

"The plan for my first 2 year term as EIC was to make JSAC serve a larger portion of the communications society. To a certain extent this is working, and we have issues in the pipeline on network management, power-line communications, and other topics which would not have appeared 3 years ago. The journal has increased to 12 issues per year to accommodate the new areas. This is an on-going process, and in the next year we will be continued. In addition, we will attempt to reach out to additional communities that are currently outside the communications society, but should be inside, by organizing issues on topics that are important to them. Two examples are communications within automobiles and communications on back planes and on VLSI chips.

The second thing we will do in the next 2 years is rejuvenate the JSAC editorial board. The appointment of JSAC senior editors has been similar to the appointment of Supreme Court justices. We have changed that policy. The current appointment is for 3 years, and is renewable. There is no limit on the number of times that the appointment can be renewed, by vote of the editorial board. However,

the 2 year renewal is being used to force a periodic evaluation of the senior editors, and is currently being used to remove editors who have become inactive or who have taken on other responsibilities that limit their participation in the board.”

M. SELF ASSESSMENT

This section provides an opportunity for self-assessment of the Transactions. Please compose a narrative to reflect your S/C viewpoints on the Transactions; in so doing, cite specific examples of strengths and weaknesses.

In your self-assessment, please list the Impact Factor, Citation Half-Life, and Immediacy Index for this Transactions (see also Section F above) and comment on the position of this Transactions in the latest Citation Index.

“My understanding is that JSAC is highly rated in terms of the number of citations to previous papers. I don’t care. We aren’t taking part in a popularity poll. We are putting together an archival journal to the best of our ability. We have a good editorial board. We are doing a good job. And, the numbers tracked by our accountants will probably continue to reflect our success.

JSAC has been an incubator for new publications. The wireless journal is an example of the success of this function. The fiber optic series, which was initiated on my watch is an example of a failure. Wireless was an emerging area when the JSAC series started. Fiber optics is an area in decline.”

There are 205 journals tracked by Thomson ISI Journal Citation Reports covering the subject area of Electrical and Electronics Engineering during the year 2003. In the field of communications and in the specific area covered by the IEEE Transactions on Communications, the relevant journals, ranked by the impact factor, have the following statistics.

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5).

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
2	IEEE Personal Comm. Magazine	1019	3.366	-	0	-
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Sel. Areas Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9
165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-

N. REVIEW COMMITTEE REMARKS REGARDING THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

O. REVIEW COMMITTEE RECOMMENDATIONS FOR THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

A. IEEE COMMUNICATIONS LETTERS

1. **Date of first issue** – January 1997
2. **Frequency of publication** – 12 issues per year
3. **Is subscription to this periodical included in the Society membership fee?** No

B. SCOPE OF IEEE COMMUNICATIONS LETTERS

1. **Please provide a summary of this Transaction's scope.**

IEEE Communications Letters, provides researchers with the ideal venue for sharing their most current results and developments in the timeliest manner possible. Every month, *IEEE Communications Letters* publishes seven to ten short (5-6 columns) contributions from every area of communications technology. These letters, like articles in all IEEE Communications Society publications, are reviewed by expert reviewers and evaluated by the editorial board.

Communications technology topics, include BUT NOT LIMITED TO the following:

- Modulation and Signal Design
- Speech, Image, and Video Communications
- Coding Theory and Applications
- Wireless Personal Communications
- Spread Spectrum Communications
- Synchronization
- Channel Equalization
- Detection and Estimation
- Multiplexing and Carrier Techniques
- Optical Communications
- Communications Networking, Multimedia ATM Design

2. **Comment on the overlap of scope with other IEEE Transactions.**

Just as our FOI overlaps, our publications overlap with those of Computer, Signal Processing, Information Theory, Circuits and Systems, Vehicular Technology, Antennas and Propagation Societies, and others to a lesser degree.

C. EDITORIAL POLICIES AND PROCEDURES

1. **Describe the membership and function of the Society/Council AdCom, Publication Committee, Steering Committee, or Periodical Advisory Committee, in overseeing operation of the Transactions and in establishing and administering publication policies and procedures.**

The Department of Journals is responsible for establishing policies and setting strategic directions for the archival journals published by the IEEE Communications Society. These include the Transactions on Communications, the Journal on Selected Areas in Communications (including the J-SAC Optical Communications and Networking Series), and IEEE Communications Letters. In addition, the Department of Journals has three seats on the nine-member Inter-Society Steering Committee for the IEEE/ACM Transactions on Networking and, through its membership on this steering committee, has a degree of responsibility for the successful operation of the Transactions on Networking. (Note: The other six members of the Inter-Society Steering Committee represent the IEEE Computer Society and

the ACM). The Department of Journals also maintains close liaison with the Journal of Lightwave Technology. The Department of Journals has two seats on the Steering Committee of the Transactions on Multimedia, three seats on the Steering Committee of the Transaction on Wireless Communications, and two seats on the Steering Committee of the Transactions on Mobile Computing. Each joint publication has an Agreement and Charter defining the provisions of the journal and the responsibilities of the Steering Committee.

Organizational Structure

The Department of Journals conducts its activities through the Journals Board. The Journals Board consists of the following members:

- The Director of Journals (Chair)
- The Editor-in-Chief of Transactions on Communications
- The Editor in Chief of Journal on Selected Areas on Communications
- The Editor-in-Chief of J-SAC Optical Communications and Networking Series
- The Editor-in-Chief of Transactions on Wireless Communications
- The Editor-in-Chief of Communications Letters
- The Editor-in-Chief of IEEE/ACM Transactions on Networking
- The ComSoc Editor for Journal of Lightwave Technology

The Director of Journals is appointed by the Vice President of Membership Services after conferring with the President of the Communications Society. With the exception of the Editor-in-Chief of the IEEE/ACM Transactions on Networking, all other members of the Journals Board are appointed by the Director of Journals. The Editor-in-Chief of the IEEE/ACM Transactions on Networking is selected by the Inter-Society Steering Committee. Candidates for membership on the Journals Board, and therefore the EICs of the respective journals, are normally selected from the pool of the most active editors of the journals.

Members of the Journals Board, including the Director of Journals, shall serve a nominal two-year term, with terms extendable, based on mutual agreement of the Director of Journals and the Vice President for Membership Services. In the event that a position on the Journals Board is vacated before the full two-year or three-year term is completed, the Director of Journals shall appoint a successor to complete the partial term and to serve an additional traditional (two-year or three-year) term. A term on the Journals Board concludes either by natural expiration, or by an invitation to resign issued by the Director of Journals.

IEEE ComSoc Editors-in-Chief (EICs) shall be appointed to an initial term of 2 years, renewable for 0, 1, or 2 additional years. The maximum term of an EIC shall be 4 years. An Associate Editor-in-Chief (AEIC) can be appointed, as appropriate, for a ComSoc magazine or journal to serve a 1 or 2 year term with the expectation that the AEIC would succeed the current EIC.

Activities

As stated above, the Department of Journals is responsible for the management of the archival journals published by the Communications Society. Duties of the Department of Journals include, but are not limited to, the following:

- Formulating strategic directions for the suite of archival Journals published by the IEEE Communications Society and to insure that the technical scope of the Communications Society is reflected by the suite of publications.
- Insuring the quality of all publications for which the Department of Journals is responsible.
- Working with the IEEE staff in Piscataway and New York to solve publications problems as they occur and to insure that all publications are produced in a timely manner and are consistent with IEEE publications requirements (keywords, copyrights, etc.)

- Formulating page budgets for each publication and recommending changes where appropriate.
- Tracking the month-to-month use of the page budgets to insure that significant deviations in the page budget (an under-run exceeding 5% or any over-run) are minimized to the extent possible. Since page budget deviations affect the overall budget of the Communications Society, the Director of Journals is responsible for reporting these deviations to the Vice President of Membership Services and to the Executive Director of the Communications Society as soon as they are projected.
- Working with the Inter-Society Steering Committee to fulfill the responsibility of the Communications Society to the IEEE/ACM Transactions on Networking. (Note: Normally the Director of Journals will serve as one of the three ComSoc members of this steering committee.)
- Obtaining nominations for "best paper awards" and transmitting these nominations to the appropriate body.
- Maintaining and updating the IOPP (Integrated Online Publications Plan) and distributing the revised IOPP when any revisions are made.
- Continuously studying the suite of Journals offered by the Communications Society and recommending changes as appropriate. Recommendations should be made to the Vice President of Membership Services and, as examples, could include the addition of new Journals or changes in the publication schedule.
- Working with the Director of Magazines to insure that meeting facilities are available at regularly scheduled meetings of the Department of Journals and the Department of Magazines. (Note: Meetings of the Department of Journals are held at ICC and at Globecom. Other meetings may be called as deemed necessary by the Director of Journals.)
- As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services.
- The Director of Journals is expected to attend regularly scheduled meetings of the Communications Society Board of Governors and meetings of the OpCom to which he or she is invited. If the Director is unable to attend, the Director will consult with the Vice President of Membership Services to name an alternate on a per-meeting basis. Normally, the alternate will be a member of the Journals Board.

The above items represent the ongoing responsibilities of the Department of Journals as defined on the date of this document. In addition to these on-going responsibilities, a number of additional activities are typically identified in the course of day-to-day operations of the Communications Society. These often require the establishment of ad-hoc committees and/or working groups. The Director of Journals maintains a close working relationship with the Vice President of Membership Services to insure that all such requirements are properly handled as they are identified.

2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Transaction's Editorial Board or Committee)

Editors: Geographic distribution and employment can be inferred from the address information below.

Editors: Geographic distribution and employment can be inferred from the address information below.

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3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

As terms in-office for EICs draw to a close, the Director of Journals is responsible for appointing new EICs. The appointment is made by the Director of Journals after consultation with the Vice President of Membership Services. EIC are selected for a two-year term with an optional one-year extension. EICs are typically chosen from among the ranks of the associate editors. On-the-Job training as an Associate Editors is the primary preparation for EIC duties and responsibilities.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Associate Editors are typically selected by the EIC from the ranks of the reviewers. AEs are mentored by experienced AEs and the EIC. Turnover is always a problem because of the time demands; however, the prestige and impact of our publications contribute to the stability of the editorial team and make it a more manageable problem.

D. QUALITY

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

All papers are submitted electronically to the EIC office. All papers are first reviewed for submission compliance (e.g., length requirements) by the Editorial Assistant before being sent along to the EIC. After review, the EIC determines whether or not the paper should go through the review process. If not, the author is notified of the administrative rejection, which can include concerns of quality, contribution, or being out of scope. Otherwise, the paper is assigned to an Associate Editor that is familiar with the topic area. The Associate Editor is required to find the appropriate reviewers. Each paper must have normally at least three reviews before a final decision can be made. In some special cases the Associate editor may make a decision based upon two reviews if 1) both reviewers are negative; and 2) he/she has thoroughly read the manuscript and agrees with the reviewers' comments and recommendations. In this case, the editor at his/her own discretion may go ahead with a final decision so as to not delay the paper processing time. The Associate Editor makes a final decision after reviewing each review and the author is notified of the decision. Throughout the process, the EIC office, via manuscript central, is monitoring the progress of every paper to ensure that reviewers are assigned by the deadline, reviews are submitted by the deadline, and that final decisions are being made in a timely manner. If not, the Associate Editor is notified and asked to intervene. The EIC office also ensures that all appropriate peer review practices are being followed or adhered to. Throughout the review process, we follow a blind review process where all reviewers remain anonymous.

If a paper is accepted, the Associate Editor is required to submit the final accepted manuscript to the Publication / Production Editor along with a Transmittal form which includes all the details about the paper, authors, submission dates, acceptance dates, etc. The Publications / Production Editor then contact the corresponding author and provide him/her with a materials checklist and a deadline. The Publications / Production Editor will then follow up with the corresponding author if any materials are missing or a deadline is missed. Once all manuscript materials are received and the Publications / Production Editor has ensured that the paper meets all the publication guidelines, the paper is sent to the IEEE production editor for typesetting and editing. Final galley proofs are sent to the author for review and comment by email. Once any corrections have been made, the final version of the paper is sent to the author so that final corrections can be verified. The paper is then considered complete and is queued for publication.

Proposed new workflow (being evaluated via the production of IEEE Communications Letters in 2005)

For the past several years our volunteer Directors of Journals and Staff have been looking for ways to reduce the Society's publications costs. After evaluating many options, we believe that we have developed a desktop solution that will enable IEEE ComSoc to produce IEEE - quality Journal pages. A test program has been set up following this proposed work flow:

- Author submits final files (text and graphics) preferable in LaTeX, though Word is acceptable.
- Files processed via templates and other coding developed by Joe Milizzo, IEEE ComSoc Asst. Publisher.
- Fully compliant PDF sent to author for review.
- Author signs off and paper goes into queue waiting for placement into issue.
- Approximately 2-1/2 to 3 weeks prior to mail date, issue is compiled, papers paginated, Table of Contents finalized.
- Two weeks prior to mail date PDF files sent to printer (IEEE Publications uses the same printer for journals that ComSoc uses for magazines.)
- PDF files and LaTeX files sent to IEEE: PDF files for inclusion in Xplore and LaTeX files for SGML tagging.

So far it appears differences between the print version and the on-line version are relatively minor, the proposed work flow is independent from the IEEE work flow and manuscripts are acceptable in MS Word or LaTeX (preferred).

The deliverables:

- A set of press-ready PDF files goes to the printer for printing.
- A set of IEL-compliant PDF files goes to IEEE. We create these files according to IEEE specs.
- The final LaTeX files are sent to IEEE for SGML tagging.

E. TIMELINESS

Is every issue of this periodical mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5. Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete. Unfortunately some of the required requested data is not routinely or automatically collected. **We will update this table as it becomes available.**

IEEE COMMUNICATIONS LETTERS – OPEN CALL PAPERS

	NUMBER OF PAPERS:	2000	2001	2002	2003	2004 @ 10/20
1	Submitted	574	796	1162	1600	1620
2	Returned by EIC for scope reasons, obvious poor quality, etc.	37	104	199	331	321
3	Peer reviewed (row 1 less row 2)	537	692	963	1269	1299
3a	Papers from Row 3 eventually rejected	411	522	740	980	825
3b	Papers from Row 3 in review process	0	0	0	0	0
3c	Papers from Row 3 with authors in revision	0	0	0	0	0
3d	Other papers from Row 3 (explain in comments below)	0	0	0	0	0
3e	Papers from Row 3 queued for publication	0	0	0	0	0
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, , list in year of submittal where it is counted in Row 3)	126	170	223	289	175
4	Total: Rows 3a-3f, should equal Row 3	537	692	963	1269	
5	PERCENTAGE ACCEPTED	22%	21%	19%	18%	11%
6	Average number of months from Author Submission to Publication Date (submission to issue where paper appears)	5	6	7	8	8-10
**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6					
	Region 7					
	Region 8					
	Region 9					
	Region 10					

**** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.**

Notes: some data in the 2000 & 2001 columns are approximate. Entry 6 is also approximated, not calculated.

Describe what the S / C is doing to anticipate and solve the problems associated with the move from paper to electronic publishing.

Society periodicals have been available in both print and electronic formats for the period of this review. Future problems will be largely financial and we are participating in the related TAB activities. The IEEE ComSoc digital library serves as a “laboratory” for investigating innovative features such as the CommOntology, patent citation, and personalization tools.

F. COMPETITOR PUBLICATIONS

(To give the proper overview of our competitors, this section will be the same for all of our publications.)

List ALL the competitor publications, including those of the IEEE, other learned societies, and commercial publishers. Briefly compare the scope and status of the five most important of these.

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

IEEE Communications Magazine competes with many controlled circulation publications for industry advertising and circulation carries much credibility in this arena. Surveys tell us exactly what members are actually reading for industry and product information; we include these publications as competitors for Communications Magazine. None of these periodicals are rated by the ISI Citation Report. Communications Magazine performs as a hybrid -- rating high in citations and online usage while acknowledged as an industry information source, generating over \$900,000 per year in advertising revenue.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), and #7 (Transactions on Communications), #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are # 2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications).

Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (T-Comm legacy), #39 (Communications Letters), #55 (Network magazine), #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

ComSoc Title	Competing Titles	Publisher	circ	Impact	Cite ½ life	Immed.	Papers/yr
IEEE Commutations Letters.				1.197	3.3	.092	195
	Computer Networks & ISDN Systems	Elsevier		.918	5.1	.130	131
	International Journal of Electronics	Taylor & Francis		.249	9.6	.017	58
	Electronic Letters	IEE		1.010	6.4	.124	1195
	Journal of Communications and Networks	AIEI Korean Inst. of Communication Sciences		.571	n/a	.024	41
	British Telecommunications Technology Journal	Kluwer		0.176	4.6	.729	70
	Bell Labs Technical Journal	AT&T		.673	7.0	.053	57
	Trans Antenna Propagation	IEEE		.941	>10	.156	417
	IEICE Trans Communications	IEICE		.436	4.2	.092	414
	Trans Vehicle Communications	IEEE		.849	7.7	.064	141
	International Journal of Wireless Information Networks	Plenum Press		NA	NA	NA	NA
	Signal Processing/Image Communication	Elsevier		NA	NA	NA	NA
	Computer Physics Communications	Elsevier		NA	NA	NA	NA
	European Transactions on Telecommunications	ELE		NA	NA	NA	NA

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5).

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Sel. Areas Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9
165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-
178	Int. Journal Comm. Systems	53	0.142	0.000	55	-
184	NTT Review	65	0.117	0.200	20	-
200	IETE Journal Research (India)	14	0.029	0.000	35	-
202	Electron. Comm. Japan (Comm.)	36	0.015	0.000	115	-

G. FINANCIAL AND SUBSCRIPTION INFORMATION

COMM LETTERS	2000	2001	2002	2003	2004	2005 Budget
Pages/Year	534	567	628	650	650	750
Issue/Year	12	12	12	12	12	12
Subscribers (Units)						
Regular Member	2618	2167	1836	1465	1097	900
Student Member	371	213	192	135	96	173
Individual Non-Member	80	83	87	79	72	60
Regular Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
Student Interdisciplinary	n/a	n/a	n/a	n/a	n/a	n/a
Subscription Rates (\$)						

Regular Member	20	20	20	25	n/a	n/a
Student Member	10	10	10	13	n/a	n/a
Individual Non-Member	132	132	150	175	225	270
Regular Interdisciplinary	-	-	-	-	-	-
Student Interdisciplinary	-	-	-	-	-	-
Member Electronic	n/a	n/a	n/a	n/a	30	30
Member Combo	n/a	n/a	n/a	n/a	45	58
Included in Membership Fee	no	no	no	no	no	no
Voluntary Page Charges						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

H. FINANCIAL AND SUBSCRIPTION DISCUSSION

Comment on any financial anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

Comment on any subscription anomalies.

Impact of IEL and contraction of our supporting industrial sector are quite evident.

I. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

All of our publications are fully compliant with IEEE Policies and Procedures

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OperA and IEL efforts.

All of our archives and publications are part of the IEL.

5. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from (JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless - advances in 3G and beyond, Wi-Fi" Access (at WCNC and PIMRC).

- Internet - getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks -Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, IPv6 applications EntNet@SUPERCOMM).
- Network Management - Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

K. NOTABLE FEATURES

IEEE Communications Letters, (1997-), provides researchers with a venue for sharing current results and developments, concisely presented, in a timely manner.

L. FUTURE PLANS

Besides increasing the page count to accommodate for a substantial increase in the number of submissions, splitting the Letters into two (one devoted to networks, one to physical layer) should eventually be considered.

M. SELF ASSESSMENT

The main strength of the Letters, whose submission and review process is web-based, should be its fast review process. However, currently, the time from acceptance to publication is close to 6 months, due to an increasing number of submissions and in spite of a very high rejection ratio.

N. REVIEW COMMITTEE REMARKS REGARDING THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

O. REVIEW COMMITTEE RECOMMENDATIONS FOR THE TRANSACTIONS.

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

A. IEEE COMMUNICATIONS MAGAZINE

1. *Date of first issue* – January 1973
2. *Frequency of publication* – 12 issues per year
3. *Is subscription to this periodical included in the Society membership fee?* Yes

B. SCOPE OF IEEE COMMUNICATIONS MAGAZINE

1. *Please provide a summary of this Magazine's scope.*

IEEE Communications Magazine, considered by most to be their most important member benefit, provides timely information on all aspects of communications: monthly feature articles describe technology, systems, services, market trends, development methods, regulatory and policy issues, and significant global events. These articles are complemented by a variety of departments, including: Conference Calendar, Book Reviews, the Global Communications Newsletter, Scanning the Literature, New products and Product Spotlights, Society News, Your Internet Connection, News from JSAC, and the CommuniCrostic puzzle.

Articles are tutorial in nature and written in a style comprehensible to readers outside the specialty of the article. Mathematical equations generally not used (in justified cases up to three simple equations may be allowed with the consent of the Guest Editor. The inclusion of more than three equations requires permission from the Editor-in-Chief).

References are included only to guide readers to more information on the topic; the reference list should not include every available source (a limit of ten references is recommended. The inclusion of more than 15 references requires permission from the Editor-in-Chief). Articles should not exceed 4500 words. Figures and tables should be limited to a combined total of six.

C. EDITORIAL POLICIES AND PROCEDURES

1. Describe oversight process by Editorial Board, AdCom, or other.

Objectives

The Department of Magazines is responsible for establishing policies and setting strategic directions for magazines publication, and the actual editing and production of magazines of the IEEE Communications Society, within the context of providing services to Society members. To the extent that non-member professionals can be viewed as potential Society members, or that their needs should be understood in maintaining current and formulating new society services, they, too, will be considered.

Organizational Structure

Magazines shall be administered by a Magazines Board, made up of a Chair (Director of Magazines) and eleven Board Members. The Director is appointed to the position by the Vice President Membership Services, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacities or areas of responsibility within the Society. The Vice President shall confer with the President in making a selection. The Board Members are: Editor-in-Chief, IEEE Communications Magazine; Editor-in-Chief, IEEE Network Magazine; Editor-in-Chief, IEEE Personal Communications Magazine; Editor, The Global Communications Newsletter; Editor, IEEE Communications Surveys; ComSoc Editor of Interactive Magazines; ComSoc Editor for IEEE Press; ComSoc Editor for IEEE Multimedia Magazine; ComSoc Editor for Internet Computing Magazine; and ComSoc Editor-at-Large for Optical Networking and Computing. Board Members are appointed to their position by the Chair, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacities. The Director shall confer with the Vice President in making a selection. It is expected that the Director of Magazines and reporting Editors-in-Chief and ComSoc Editors, members of the Board, will be members in good standing of the IEEE Communications Society.

All Editors-in-Chief and ComSoc Editors, members of the Board, shall serve a nominal two-year term, with terms extendable to a third year, based on mutual agreement of the Director and the Member of the Board. In the event that a member of the Board position is vacated before the full two- or three-year term is completed, the Director shall appoint a successor to complete that partial term, plus serve an additional traditional (two or three year) term. A Member of the Board term concludes either by natural expiration, or by invitation to resign, the latter subject to mutual agreement of the Board Chair and Society Vice President of Membership Services.

Editors-in-Chief and ComSoc Editors have a respective Editorial Boards reporting to them. The procedures by which individuals are appointed to these Boards are covered in the corresponding Editorial Board Procedures.

Activities

As stated above, the Department of Magazines is chartered with 1) formulating strategic directions and 2) establishing policies which affect member services in the area of Magazines Publications. The Department of Magazines is further responsible for 3) editing and producing the IEEE Communications Society Magazines, 4) maintaining the validity of existing programs, and 5) assuring that such programs continue to meet the current needs of the Society Members. The Department of Magazines Board shall share responsibilities in these five areas.

Areas of concern, issues, or proposals for new initiatives can be generated anywhere - from members of the Board of Governors, the Operating Committee, Society Councils or members of their boards, the membership at large, and professionals outside the Society. To facilitate follow-through the Director shall ask a Member of the Board, an Editor-in-Chief or a ComSoc Editor or, in conjunction with that Board Member, a member of their Editorial Board, to assume leadership for specific projects. It is expected that whenever possible, target completion dates will be set, and that the responsible individual will prepare periodic update reports to the Director and (where appropriate) the Editor-in-Chief or ComSoc Editor. As needed, progress will be reported to the Operating Committee or Board of Governors when they meet. Such reports will be presented by the Vice President of Membership Services or, at his discretion, the Director of Magazines.

To successfully fulfill its charter the Department of Magazines Board must keep the New York ComSoc Staff informed

of its activities, and work closely with them whenever possible. In particular, the Executive Director, Staff Accountant, Advertising Sales Manager, Information Services Manager, Marketing Manager, Publications Manager, and Executive & Volunteer Services Senior Administrator must be kept informed of Board activities. As a minimum, each report prepared by members of the Board for customary BOG meetings will be copied to the Headquarters Staff, as itemized above. If appropriate such reports should also be provided to Headquarters Staff direct reports on an individual basis.

2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Transaction's Editorial Board or Committee).the membership and function of the Editorial Board.

See 8 page listing of editorial board at appendix A to this magazine report
Extensive Global, technical, and employment diversity is reflected in the listing.

3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

From the ranks of the editorial board, candidates are identified and one is selected by the EIC and the Director of Magazines to serve as associate EIC for at least a year. The assistant EIC will normally be asked to serve as EIC when the term of the incumbent ends.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Members of the Editorial Board are appointed to their position by the Editor-in-Chief, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacity and/or specialized in a technical area of interest to the Magazine. The Editor-in-Chief shall confer with the Director of Magazines in making a selection. All members of the Editorial Board shall serve a nominal two- year term, with terms extendable to another year, based on mutual agreement of the Editor-in-Chief and the Member of the Editorial Board.

The Senior Technical Operations Editor is responsible for processing all articles received from the open call. Senior Technical Editors review proposals for new Feature Topics and Special Issues. Technical Editors and Associate Technical Editors serve as review liaisons by organizing the review process for articles submitted to the magazine or liaisons for Feature Topics or Special Issues by helping guest editors in their duties. Technical Editors and Associate Technical Editors also propose and solicit new articles or complete issues of the magazine.

5. Describe the flow of papers and the paper review process.

The vast majority of papers are published as part of a feature topic. A feature topic is a set of three to six articles on a specific subject. It is edited by guest editors and published in a same issue.

The starting point of a feature topic is the proposal. It includes a general description of the topic, the purpose and significance, a preliminary call for papers, and the guest editors' biographies. Submission is open to everybody; however, the wheat needs to be separated from the chaff. This is done through a review process coordinated by the Editor-in-Chief.

A feature topic is reviewed by at least three members of the editorial board. The evaluation criteria include the interest of the magazine's readership in the topic, the timeliness, the chances of getting enough submissions/reviewers, and the ability of the guest editors to successfully build a strong feature topic in the proposed timeframe.

Once a proposal is accepted, the guest editors manage the feature topic through its publication. They publicize the call for papers, invite authors if needed, select the reviewers, assign the reviews, collect the results, and select the papers that will be published.

“Restricting submissions to invited papers raises a host of issues. The very first one is fairness. This was actually brought to my attention by the representative of a company who called me after the publication of a feature topic. The issue was that authors from a competing company had published a paper on the topic, while potential authors from her company had not even been given the opportunity to submit a paper.

Relying solely on invited authors can also jeopardize a feature topic. This is the second issue. Some of these authors may not submit in time. Others may submit manuscripts of very poor quality. The claim that selecting well-known experts in the area leads to high-quality submissions does not hold.

There are obvious ethical issues with guest editors coordinating the review of their own manuscripts. Having these manuscripts handled by the Editor-in-Chief does indeed solve most of the issues. However, it remains that guest editors usually have very strong feelings about their manuscripts, as actually many authors do. This may make them less objective when it comes to making the final selection, assuming that their submissions have been accepted but must compete for space with other papers.”

The review process for standalone papers is the same as for feature topics except that the guest editors obviously play no role. The acceptance criteria remain the same: at least three reviews and no well argued negative review.

D. QUALITY

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

Processing of Feature Topics is described in C5 above. Following is the process for open call papers.

All papers are submitted electronically to the EIC office. All papers are first reviewed for submission compliance (e.g., length requirements) by the Editorial Assistant before being sent along to the EIC. After review, the EIC determines whether or not the paper should go through the review process. If not, the author is notified of the administrative rejection, which can include concerns of quality, contribution, or being out of scope. Otherwise, the paper is assigned to an Associate Editor that is familiar with the topic area. The Associate Editor is required to find the appropriate reviewers. Each paper must have normally at least three reviews before a final decision can be made. In some special cases the Associate editor may make a decision based upon two reviews if 1) both reviewers are negative; and 2) he/she has thoroughly read the manuscript and agrees with the reviewers’ comments and recommendations. In this case, the editor at his/her own discretion may go ahead with a final decision so as to not delay the paper processing time. The Associate Editor makes a final decision after reviewing each review and the author is notified of the decision. Throughout the process, the EIC office, via manuscript central, is monitoring the progress of every paper to ensure that reviewers are assigned by the deadline, reviews are submitted by the deadline, and that final decisions are being made in a timely manner. If not, the Associate Editor is notified and asked to intervene. The EIC office also ensures that all appropriate peer review practices are being followed or adhered to. Throughout the review process, we follow a blind review process where all reviewers remain anonymous.

If a paper is accepted, the Associate Editor is required to submit the final accepted manuscript to the Publication / Production Editor along with a Transmittal form which includes all the details about the paper, authors, submission dates, acceptance dates, etc. The Publications / Production Editor then contact the corresponding author and provide him/her with a materials checklist and a deadline. The Publications / Production Editor will then follow up with the corresponding author if any materials are missing or a deadline is missed. Once all manuscript materials are received and the Publications / Production Editor has ensured that the paper meets all the publication guidelines, the paper is sent to the IEEE production editor for typesetting and editing. Final galley proofs are sent to the author for review and comment by email. Once any corrections have been made, the final version of the paper is sent to the author so that final corrections can be verified. The paper is then considered complete and is queued for publication.

E. TIMELINESS

Is every issue of this Magazine mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5. It is meant to include information on technical papers that undergo the review process; please do not count columns or departments that undergo Editor review only.

Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete.

The table is a status report of all submitted and published papers for the past 5 years

IEEE Communications Magazine

	NUMBER OF PAPERS:	2000	2001	2002	2003	2004
1	Submitted	500	500	500	500	500
2	Returned by EIC for scope reasons, obvious poor quality, etc.	20	20	20	20	20
3	Peer reviewed (row 1 less row 2)	480	480	480	480	480
3a	Papers from Row 3 eventually rejected	360	360	360	360	360
3b	Papers from Row 3 in review process	0	0	0	0	50
3c	Papers from Row 3 with authors in revision	0	0	0	0	25
3d	Other papers from Row 3 (explain in comments below)					
3e	Papers from Row 3 queued for publication	0	0	0	0	5
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, , list in year of submittal where it is counted in Row 3)	120	120	120	120	120
4	Total: Rows 3a-3f, should equal Row 3	480	480	480	480	480
5	PERCENTAGE ACCEPTED	25%	25%	25%	25%	25%
6	Average number of months from Author Submission to Publication Date (submission to issue where paper appears)	12	12	12	12	12
**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6	70	70	70	70	70
	Region 7	2	2	2	2	2
	Region 8	22	22	22	22	22
	Region 9	1	1	1	1	1
	Region 10	5	5	5	5	5

** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.

- c. *Describe what the S / C is doing to anticipate and solve the problems associated with the move from paper to electronic publishing.*

Society periodicals have been available in both print and electronic formats for the period of this review. Future problems will be largely financial and we are participating in the related TAB activities. The IEEE ComSoc digital library serves as a “laboratory” for investigating innovative features such as the CommOntology, patent citation, and personalization tools.

COMMENTS:

F. COMPETITOR PUBLICATIONS

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

IEEE Communications Magazine competes with many controlled circulation publications for industry advertising and circulation carries much credibility in this arena. Surveys tell us exactly what members are actually reading for industry and product information; we include these publications as competitors for Communications Magazine. None of these periodicals are rated by the ISI Citation Report. Communications Magazine performs as a hybrid -- rating high in citations and online usage while acknowledged as an industry information source, generating \$1M in 2003, down from a high of \$2.4M in 2000 per year in advertising revenue.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), #7 (Transactions on Communications), and #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are #2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications).

Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (T-Comm legacy), #39 (Communications Letters), #55 (Network magazine), and #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

ComSoc Title	Competing Titles	Publisher	circ	Impact	Cite ½ life	Immed	Papers /yr
IEEE Communications Magazine				2.406	4.4	.160	163
	Wireless Design & Development		43,000				
	Telephony		62,700				
	Telecommunications		82,000				
	EE Times		150,000				
	Microwaves & RF		45,000				
	Network Magazine		125,000				
	Electronic Design		145,000				
	EDN		134,000				

Not Rated

G. FINANCIAL AND SUBSCRIPTION INFORMATION

Communications Magazine	2000	2001	2002	2003	2004	2005
						Budget
Pages/Year	12	12	12	12	12	12
Issue/Year	1463	1518	1429	1618	1600	1600
<u>Subscribers (Units)</u>						
Regular Member	51674	55399	50247	46857	42123	41500
Student Member	5976	5414	7254	5570	9670	9895
Individual Non-Member	1197	1084	946	756	608	625
Regular Interdisciplinary	833	1044		477	450	400
Student Interdisciplinary	114	154		83	137	75
<u>Subscription Rates (\$)</u>						
Regular Member	23	23	25	25	35	40
Student Member	11	11	13	13	18	20
Individual Non-Member	160	190	200	220	270	295
Regular Interdisciplinary	41	41	41	45	65	65
Student Interdisciplinary	29	29	29	29	33	33
Member Electronic	n/a	n/a	n/a	n/a	n/a	n/a
Member Combo	n/a	n/a	n/a	n/a	n/a	n/a
Included in Membership Fee	Yes	Yes	Yes	Yes	Yes	Yes
<u>Voluntary Page Charges</u>						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

H. FINANCIAL AND SUBSCRIPTION DISCUSSION

- 1. Comment on any financial anomalies.**
- 2. Comment on any subscription anomalies.**

As this is our only bundled publication, the financial and subscription data is directly related to our membership numbers and that in turn is somewhat related to the economic condition of our supporting industry base.

I. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

*The EIC shall have in his/her possession a current copy of the appropriate IEEE manuals regarding policies and procedures for publications. The EIC shall have read and be familiar with all sections of the above documents concerning publications. Please visit the following site for such documents:
<http://www.ieee.org/organizations/tab/tab.html>*

Comment regarding compliance with the above requirement, and compliance with the individual publication related policies of each document. Describe action plans to come into compliance if in default.

We are in full compliance with IEEE policies and procedures.

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OpeRA and IEL efforts.

All of our archives and publications are part of the IEL.

5. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless - advances in 3G and beyond, Wi-Fi" Access (at WCNC and PIMRC).
- Internet - getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks -Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, IPv6 applications EntNet@SUPERCOMM).
- Network Management - Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

K. NOTABLE FEATURES

Describe special issues, or other notable features.

The magazine publishes tutorial style papers from both the open call and on special issues. Some of these special issues known as series are published on a regular basis (e.g. Internet Technology). Every year, a couple of the special issues are devoted to the best papers from selected conferences (e.g. WTC/ISS). However, most of these issues are devoted to topics proposed by volunteer guest editors. In addition to these papers, the magazine publishes also columns/departments.

L. FUTURE PLANS

Describe future plans for this Magazine.

We will introduce a couple of new series (e.g. ad hoc and sensor networks) and a couple of new departments (e.g. standards departments)

M. SELF ASSESSMENT

This section provides an opportunity for self-assessment of this Magazine. Please compose a narrative to reflect your S/C viewpoints on this Magazine; in so doing, cite specific examples of strengths and weaknesses.

The magazine has an established record of quality and focus that makes it a very distinguished one in its area. No existing magazine is in direct competition with it.

There are 205 journals tracked by Thomson ISI Journal Citation Reports covering the subject area of Electrical and Electronics Engineering during the year 2003. In the field of communications and in the specific area covered by the IEEE Transactions on Communications, the relevant journals, ranked by the impact factor, have the following statistics.

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5).

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
2	IEEE Personal Comm. Magazine	1019	3.366	-	0	-
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Sel. Areas Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9
165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-
178	Int. Journal Comm. Systems	53	0.142	0.000	55	-
184	NTT Review	65	0.117	0.200	20	-
200	IETE Journal Research (India)	14	0.029	0.000	35	-
202	Electron. Comm. Japan (Comm.)	36	0.015	0.000	115	-

N. REVIEW COMMITTEE REMARKS REGARDING THIS MAGAZINE (Pubs review cmte.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

O. REVIEW COMMITTEE RECOMMENDATIONS FOR THIS MAGAZINE (Pubs review cmte.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

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A. *IEEE NETWORK*

1. *Date of first issue* – January 1996
2. *Frequency of publication* – 6 issues per year
3. *Is subscription to this periodical included in the Society membership fee?* No

B. *SCOPE OF IEEE NETWORK*

1. *Please provide a summary of this Magazine's scope.*

The primary purpose of IEEE Network, which is published bimonthly, is to inform readers on topics of interest to the networking community. As such, IEEE Network provides a focus for highlighting and discussing major computer communications networking issues and developments. The articles are intended to be of a survey or tutorial nature, slanted towards the practical, and comprehensible to the non-specialist.

C. *EDITORIAL POLICIES AND PROCEDURES*

1. *Describe oversight process by Editorial Board, AdCom, or other.*

Objectives

The Department of Magazines is responsible for establishing policies and setting strategic directions for magazines publication, and the actual editing and production of magazines of the IEEE Communications Society, within the context of providing services to Society members. To the extent that non-member professionals can be viewed as potential Society members, or that their needs should be understood in maintaining current and formulating new society services, they, too, will be considered.

Organizational Structure

Magazines shall be administered by a Magazines Board, made up of a Chair (Director of Magazines) and eleven Board Members. The Director is appointed to the position by the Vice President Membership Services, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacities or areas of responsibility within the Society. The Vice President shall confer with the President in making a selection. The Board Members are: Editor-in-Chief, IEEE Communications Magazine; Editor-in-Chief, IEEE Network Magazine; Editor-in-Chief, IEEE Personal Communications Magazine; Editor, The Global Communications Newsletter; Editor, IEEE Communications Surveys; ComSoc Editor of Interactive Magazines; ComSoc Editor for IEEE Press; ComSoc Editor for IEEE Multimedia Magazine; ComSoc Editor for Internet Computing Magazine; and ComSoc Editor-at-Large for Optical Networking and Computing. Board Members are appointed to their position by the Chair, drawing upon a field of candidates from the membership at large, with special attention given to individuals

who have previously served in related capacities. The Director shall confer with the Vice President in making a selection. It is expected that the Director of Magazines and reporting Editors-in-Chief and ComSoc Editors, members of the Board, will be members in good standing of the IEEE Communications Society.

All Editors-in-Chief and ComSoc Editors, members of the Board, shall serve a nominal two-year term, with terms extendable to a third year, based on mutual agreement of the Director and the Member of the Board. In the event that a member of the Board position is vacated before the full two- or three-year term is completed, the Director shall appoint a successor to complete that partial term, plus serve an additional traditional (two or three year) term. A Member of the Board term concludes either by natural expiration, or by invitation to resign, the latter subject to mutual agreement of the Board Chair and Society Vice President of Membership Services.

Editors-in-Chief and ComSoc Editors have a respective Editorial Boards reporting to them. The procedures by which individuals are appointed to these Boards are covered in the corresponding Editorial Board Procedures.

Activities

As stated above, the Department of Magazines is chartered with 1) formulating strategic directions and 2) establishing policies which affect member services in the area of Magazines Publications. The Department of Magazines is further responsible for 3) editing and producing the IEEE Communications Society Magazines, 4) maintaining the validity of existing programs, and 5) assuring that such programs continue to meet the current needs of the Society Members. The Department of Magazines Board shall share responsibilities in these five areas.

Areas of concern, issues, or proposals for new initiatives can be generated anywhere – from members of the Board of Governors, the Operating Committee, Society Councils or members of their boards, the membership at large, and professionals outside the Society. To facilitate follow-through the Director shall ask a Member of the Board, an Editor-in-Chief or a ComSoc Editor, or in conjunction with that Board Member, a member of their Editorial Board, to assume leadership for specific projects. It is expected that whenever possible, target completion dates will be set, and that the responsible individual will prepare periodic update reports to the Director and (where appropriate) the Editor-in-Chief or ComSoc Editor. As needed, progress will be reported to the Operating Committee or Board of Governors when they meet. Such reports will be presented by the Vice President of Membership Services or, at his discretion, the Director of Magazines.

To successfully fulfill its charter the Department of Magazines Board must keep the New York ComSoc Staff informed of its activities, and work closely with them whenever possible. In particular, the Executive Director, Staff Accountant, Advertising Sales Manager, Information Services Manager, Marketing Manager, Publications Manager, and Executive & Volunteer Services Senior Administrator must be kept informed of Board activities. As a minimum, each report prepared by members of the Board for customary BOG meetings will be copied to the Headquarters Staff, as itemized above. If appropriate such reports should also be provided to Headquarters Staff direct reports on an individual basis.

- 2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Magazines Editorial Board or Committee) the membership and function of the Editorial Board.*

The editorial board reflects the international and employment demographics of our membership.

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Y-Bing (Jason) Lin-- National Chiao Tung
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Frank Magee, Consultant, USA
Ioanis Nikolaidis, U. of Alberta, Canada
Mohammad Peyravian, IBM Corporation, USA
Kazem Sohraby, U. of Arkansas, USA
James Sterbenz, Univ. of Massachusetts, USA
Joe Touch, USC/ISI, USA
Vittorio Trecordi, CEFRIEL, Italy

Guoliang Xue, Arizona State Univ., USA
Raj Yavatkar, Intel, USA
Bulent Yener, Rensselaer Polytechnic Institute, USA

Software Tools for Networking
Olivier Bonaventure
New Books & Multimedia
Ioanis Nikolaidis

Feature Editors

3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

The Editor-in-Chief directs magazine technical content, manages the Technical Editors, and establishes future magazine technical policy. The Editor-in-Chief is responsible for processing articles received from the open call. The Editor-in-Chief interacts with the ComSoc Interactive Magazines Editor for publication in the on-line version of the Magazine: Network Interactive (NI). The Editor-in-Chief and Senior Technical Editors review proposals for Special Issues. For selection, turnover, etc. please refer to section C. above.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Members of the IEEE NETWORK Editorial Board are appointed to their position by the Editor-in-Chief, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacity and/or specialized in a technical area of interest to the Magazine. The Editor-in-Chief shall confer with the Director of Magazines in making a selection. All members of the Editorial Board shall serve a nominal two- year term, with terms extendable to another year, based on mutual agreement of the Editor-in-Chief and the Member of the Editorial Board.

The Senior Technical Operations Editor is responsible for processing all articles received from the open call. Senior Technical Editors review proposals for new Feature Topics and Special Issues. Technical Editors and Associate Technical Editors serve as review liaisons by organizing the review process for articles submitted to the magazine or liaisons for Feature Topics or Special Issues by helping guest editors in their duties. Technical Editors and Associate Technical Editors also propose and solicit new articles or complete issues of the magazine.

D. Describe the flow of papers and the paper review process.

Guidelines for Manuscripts

- Articles should be tutorial in nature and should be written in a style comprehensible to readers outside the specialty of the article.
- Mathematical equations should be kept to a minimum, and not be used unless they are vital to the presentation. If the article has numerous equations, please call the editor to discuss.
- References should be included to guide a reader to more information on the topic; the reference list need not include every available source (a limit of 10 references is recommended). Use footnotes only where necessary.
- References must be numbered sequentially, not alphabetically. The basic reference format is: [#] P. Newcastle, "ATM switches and modern man," IEEE Network, vol. 1, no. 1, Jan./Feb. 1998, pp. 21-42.
- Articles should not exceed 4500 words. Figures and tables should be limited to a combined total of six. If the article exceeds these recommended limits, contact the Guest Editor (or the Editor-in-Chief) handling the manuscript.
- Articles may be edited for content, and will be copyedited for compliance with style guidelines. Therefore, some changes in the article may appear in the printed version.

Submission Guidelines

- Submission of articles to IEEE Network is via email as a single Postscript file or PDF (Portable Document Format). The file should be attached to an email explaining that the author wishes the paper to be considered for publication in IEEE Network and sent to the following address: bisdik@us.ibm.com
- During preparation of the article for submission, prospective authors may wish to consult the [guidelines for manuscripts](#) and the [Author Kit](#) applicable to authors whose papers have been accepted. Time may be saved by paying careful attention to those instructions at an early stage.
- Also, potential authors may wish to consult the [guidelines used by the referees](#) in reviewing manuscripts and preparing comments and critiques to authors. While each referee will have an additional set of considerations,

the general guidelines are used by ALL referees, so authors may save considerable time by considering those guidelines.

- Potential authors should note that the primary difference between submission for consideration and submission for publication is that the publisher needs original text in order to be able to lay out the magazine while the reviewer needs only a clean, readable version.

E. *QUALITY*

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

Refereeing for IEEE Network has two functions: to provide feedback on articles that guarantees a high-quality publication and to provide feedback to authors that may assist them in preparing quality manuscripts for submission in the future.

Referees should strive to offer feedback that is useful to the authors in revising their manuscripts for publication or rewriting a manuscript for resubmission to IEEE Network at a later date.

The former option is appropriate for those articles that have sufficient technical content so that judicious revisions can result in a high-quality article for publication. The latter option is appropriate when the author(s) submitted an article that is not appropriate for publication, or even consideration, in IEEE Network. In the latter case the referee report should contain sufficient information to allow the author to understand the type of article that is appropriate. Indeed, it is probably appropriate to have a canned description that can be used.

In some sense, reviewing for network is more closely akin to participating in the development of the articles than in passing judgment on suitability. But, referees should be clear about whether they are asking for a revision that is expected to render the article publishable or they are asking for a revision that should be submitted as a new article and are rejecting the old one. With respect to the latter, statements such as “The article in its current form is not appropriate for publication in IEEE Network. On the other hand, there are several ideas that, if developed, could lead to an article that would be very interesting to the readers of IEEE Network. For example, ...” are entirely appropriate.

Considerations Concerning Suitability for Publication

Value to readers. The usefulness to readers is the single most important issues for the referee to consider. Articles should be timely, relevant, tutorially oriented, and non-redundant.

Technical correctness. Everything that is said must be technically correct. Technical sloppiness must be pointed out in every instance to the best of the ability of the referee.

Tutorial content. Referees should be aware that the primary purpose of IEEE Network is to inform readers on topics of interest to the networking community. Articles must be written in a style that is understandable to the general practitioner in the communications field as well as to the networking specialist practicing in a different area. Key concepts must be clearly explained and articles should cite other articles that provide background information liberally. Where such references are neglected, the referee should strive to correct the deficiencies by either offering specific citations or pointing the author in the right direction. For example, the referee might suggest that the authors consult the “last four years of IEEE PCS, IEEE Communications, or ACM CCR for relevant articles, especially those of a survey nature.”

Referees should feel at liberty to suggest additional material for inclusion in the article. Again, the primary consideration is the value to the reader, and referees should not be shy about asking for additions that increase the value of the article to the reader.

Style. Referees should not hesitate to point out approaches that they think would make the article more interesting. Statements like “In the judgment of the referee, the article could be made a lot more interesting if section 3 were deleted and a reference to Vargus’ article on pp. 75-90 in the January 1994 issue of IEEE Network were made.” Similarly concerning deletion of unnecessary equations, additions of figures, reorganization of the material, etc., are appropriate.

Need for the article. The article must be non-redundant in the sense that there are not already appropriate tutorially-oriented articles readily accessible to the readers of IEEE Network. The article must be of interest to the networking community in the sense that it covers a topic that either uses networking technology or impacts networking.

Archival value. The archival value of articles in IEEE Network is mostly historical. If the article is plowing new ground, which is entirely appropriate so long as the new ground is covered in a tutorial fashion, then the new ground should be identified as such. Similarly if an idea builds upon other ideas, liberal reference to source documents should be practiced.

Summary of guidelines for review of manuscripts submitted to IEEE Network for consideration for publication:

1. Please provide a one-paragraph description of the content of this manuscript.
2. Please identify and discuss the contribution of this manuscript. Please include in your discussion items such as the following:
 - a. Does the paper have significant tutorial content? That is, is there enough background provided so that the generalist in networking can understand its main contributions? Elaborate.
 - b. Does the paper contain original contributions? What is the nature of the contributions?
 - c. Is there a description of lessons learned that are given to the reader to help the reader avoid pitfalls in his own work?
 - d. Is there a need for a paper such as this in the Networking community? For example, are there articles that are already available which cover more or less the same topic at about the same depth?
3. Please discuss the quality of the citations in this manuscript. If you think the citations should be improved, please provide specific references or sources of articles, such as journals or magazines that should be consulted.
4. Please comment on the organization of the paper, and offer any suggestions that you think will improve the paper and its readability.
5. Please comment on the technical correctness of the manuscript in general, identify any specific technical inaccuracies that you find, and make suggestions for correcting those.
6. If the manuscript does not require major revision, please provide a list of minor changes, such as spelling or grammatical errors, that need to be made. Please use the format “p. 7., l. 18 somth → smooth” to mean “on line 18 of page 7, correct the spelling from somth to smooth.”
7. Please provide a summary comment on the overall suitability of the paper for publication in IEEE Network, assuming the recommended revisions are made. For example, if this is an outstanding contribution, please so state. If a major revision is needed, please so state. If the manuscript requires major editing, please so state.

E. TIMELINESS

Is every issue of this Magazine mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5. It is meant to include information on technical papers that undergo the review process; please do not count columns or departments that undergo Editor review only.

Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete.

The table is a status report of all submitted and published papers for the past 5 years

IEEE NETWORK OPEN CALL + SPECIAL ISSUES ONLY

	NUMBER OF PAPERS:	2000	2001	2002	2003	2004
1	Submitted	133	114	210	186	36

2	Returned by EIC for scope reasons, obvious poor quality, etc.	5	4	15	18	20
3	Peer reviewed (row 1 less row 2)	128	110	195	168	16
3a	Papers from Row 3 eventually rejected	94	76	142	137	4
3b	Papers from Row 3 in review process	0	0	0	1	10
3c	Papers from Row 3 with authors in revision	1	3	3	3	2
3d	Other papers from Row 3 (explain in comments below)	0	0	2 (withdrawn)	2 (withdrawn)	0
3e	Papers from Row 3 queued for publication	0	0	2	1	0
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, list in year of submittal where it is counted in Row 3)	33	31	46	24	0
4	Total: Rows 3a-3f, should equal Row 3	128	110	195	168	15
5	PERCENTAGE ACCEPTED	24.8	27.2	21.9	12.9	0
6	Average number of months from Author Submission to Publication Date (submission to issue where paper appears)	10.0	10.1	10.4	10.7	N/A
**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6	73.5	60.9	34.4	44.5	68.5
	Region 7	8.2	0.0	16.4	0.0	6.8
	Region 8	13.3	33.7	39.3	46.0	20.5
	Region 9	0.0	0.0	0.0	0.0	0.0
	Region 10	5.1	5.4	9.8	9.5	4.1

**** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.**

- b. *Describe what the S / C is doing to anticipate and solve the problems associated with the move from paper to electronic publishing.*

Society periodicals have been available in both print and electronic formats for the period of this review. Future problems will be largely financial and we are participating in the related TAB activities. The IEEE ComSoc digital library serves as a “laboratory” for investigating innovative features such as the CommOntology, patent citation, and personalization tools.

COMMENTS:

F. COMPETITOR PUBLICATIONS

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), and #7 (Transactions on Communications), #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are # 2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications). Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (T-Comm legacy), #39 (Communications Letters), #55 (Network magazine), #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

ComSoc Title	Competing Titles	Publisher	circ	Impact	Cite 1/2 life	Immed.	Papers/yr
IEEE Network: The Magazine of Global Information Exchange				3.871	4.5	.300	40
	Computer Networks & ISDN Systems	Elsevier		.918	5.1	.130	131
	International Journal of Electronics	Taylor & Francis		.249	9.6	.017	58
	Electronic Letters	IEE		1.010	6.4	.124	1195
	Journal of Communications and Networks	AIEI Korean Inst. of Communication Sciences		.571	n/a	.024	41
	British Telecommunications Technology Journal	Kluwer		0.176	4.6	.729	70
	Bell Labs Technical Journal	AT&T		.673	7.0	.053	57
	Trans Antenna Propagation	IEEE		.941	>10	.156	417
	IEICE Trans Communications	IEICE		.436	4.2	.092	414
	Trans Vehicle Communications	IEEE		.849	7.7	.064	141
	International Journal of Wireless Information Networks	Plenum Press		NA	NA	NA	NA
	Signal Processing/Image Communication	Elsevier		NA	NA	NA	NA

G. FINANCIAL AND SUBSCRIPTION INFORMATION

NETWORK MAGAZINE	2000	2001	2002	2003	2004	2005 Budget
Pages/Year	372	366	297	460	400	400
Issue/Year	6	6	6	6	6	6
Subscribers (Units)						
Regular Member	8395	8014	6716	5393	4319	4060
Student Member	551	516	440	370	363	350
Individual Non-Member	725	685	623	456	372	350
Regular Interdisciplinary	1428	1385	948	752	638	555
Student Interdisciplinary	105	124	58	62	92	100
Subscription Rates (\$)						
Regular Member	25	25	25	25	35	40
Student Member	15	15	15	15	18	20
Individual Non-Member	160	175	195	215	250	275
Regular Interdisciplinary	32	32	32	32	50	50
Student Interdisciplinary	23	23	23	23	25	25
Member Electronic	n/a	n/a	n/a	n/a	30	30
Member Combo	n/a	n/a	n/a	n/a	40	45
Included in Membership Fee	no	no	no	no	no	no
Voluntary Page Charges						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

L. FINANCIAL AND SUBSCRIPTION DISCUSSION

3. *Comment on any financial anomalies.*
4. *Comment on any subscription anomalies.*

The financial and subscription data reflect the availability of this top rated publication via IEL subscriptions as well as the economic condition of our supporting industry base.

M. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

The EIC shall have in his/her possession a current copy of the appropriate IEEE manuals regarding policies and procedures for publications. The EIC shall have read and be familiar with all sections of the above documents concerning publications. Please visit the following site for such documents:

<http://www.ieee.org/organizations/tab/tab.html>

Comment regarding compliance with the above requirement, and compliance with the individual publication related policies of each document. Describe action plans to come into compliance if in default.

We are in full compliance with IEEE policies and procedures.

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OpeRA and IEL efforts.

All of our archives and publications are part of the IEL.

N. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless – advances in 3G and beyond, Wi-Fi” Access (at WCNC and PIMRC).
- Internet – getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks –Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, Ipv6 applications EntNet@SUPERCOMM).
- Network Management – Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

O. NOTABLE FEATURES

Describe special issues, or other notable features.

The magazine publishes tutorial style papers from both the open call and on special issues. Some of these special issues known as series are published on a regular basis (e.g. Internet Technology). Every year, a couple of the special issues are devoted to the best papers from selected conferences (e.g. WTC/ISS). However, most of these issues are devoted to topics proposed by volunteer guest editors. In addition to these papers, the magazine publishes also columns/departments.

P. FUTURE PLANS

Describe future plans for this Magazine.

While paper processing is being done electronically, the intention is to move toward an all on-line review processing. We would like to update the magazine s Web-site to further clarify the primary objectives of our magazine (tutorial style, comprehensive to the non-specialist), in order to improve the matching rate between the submitted papers and the papers that the magazine is seeking to publish. We would also like to update the magazine s Web-site describing the guidelines in preparing special issues.

Q. SELF ASSESSMENT

This section provides an opportunity for self-assessment of this Magazine. Please compose a narrative to reflect your S/C viewpoints on this Magazine; in so doing, cite specific examples of strengths and weaknesses.

Strengths include a fast, but very rigorous review process. Papers from both the open call and special issues are sent to three outside reviewers. For open call submissions, a first decision (accept, reject, revise) is typically made within about 3 months of the original submission. For special issues, guest editors are assigned by the EIC a liaison editor, normally a Senior Technical editor. The liaison editor supervises the issue to insure that accepted papers adhere to the editorial mission of the magazine. Special issue papers are proceed (by the guest editors) in a similar fashion to open call papers. Based on the reviews, the guest editor(s) propose(s) a set of papers for publication to the liaison editor. These papers (and their reviews) are reviewed by the liaison editor for compliance with quality standard and editor mission of IEEE Network. Any disputes are handled by Editor in Chief, who may consult with the Senior Technical Editors. The submission and review process is electronic, but not on-line yet. Our issues are highly competitive. Over the past 5 years, the overall (open plus special issues) acceptance rate has ranged between 12% and 25%.

For the past three years, IEEE Network magazine has been ranked as the most-cited journal in Telecommunications by Journal Citations Reports (JCR). Also, it was ranked no. 2 in the general area of Electrical and Electronics Engineering, as well as in Computer Science Hardware & Architecture and Computer Science Information Systems.

The major weakness of the magazine is that papers received from the open call tend to be very weak or outside the scope of the magazine. So far in 2004, the EiC had to return over 50% of the submissions back to their authors without a peer review for this reason; the EiC tries to guide the authors about the short comings of the submissions and often suggest alternative venues of submission. While, special issues would typically compensate for the limited number of papers that eventually gets accepted from the open call, the unusual one-year gap between the 2004 and 2005 special issues (from the 1H04 to the 2H05) has exposed a problem in properly filling the pages of the magazine with high quality papers. We are currently on a one-issue-at-a-time mode for placing a minimum number of papers in each issue. For the time being, we cooperate with sister publications (e.g., IEEE Communications) to the degree possible to publish some of their accepted papers (thus shortening their longer queues as well).

The magazine has so far an established record of quality and focus that makes it a very distinguished one in its area. Magazines like Internet Computing, Multimedia, and Pervasive Computing (all of which ComSoc co-sponsors with the IEEE Computer Society) may be possibly considered as competitors to ours. However, the focus of our papers does not entirely align with these magazines and I believe that our typical contributors will not consider the other magazines as alternatives for publishing their work.

There are 205 journals tracked by Thomson ISI Journal Citation Reports covering the subject area of Electrical and Electronics Engineering during the year 2003. In the field of communications the relevant journals, ranked by the impact factor, have the following statistics.

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
2	IEEE Personal Comm. Magazine	1019	3.366	-	0	-
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Selected Areas in Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9

165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-
178	Int. Journal Comm. Systems	53	0.142	0.000	55	-
184	NTT Review	65	0.117	0.200	20	-
200	IETE Journal Research (India)	14	0.029	0.000	35	-
202	Electron. Comm. Japan (Comm.)	36	0.015	0.000	115	-

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5).

N. REVIEW COMMITTEE REMARKS REGARDING THIS MAGAZINE (Pubs review cmte.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

B. REVIEW COMMITTEE RECOMMENDATIONS FOR THIS MAGAZINE (Pubs review cmte.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

C. IEEE WIRELESS MAGAZINE

3. *Date of first issue* – January 1996
4. *Frequency of publication* – 6 issues per year
5. *Is subscription to this periodical included in the Society membership fee?* No

D. SCOPE OF IEEE NETWORK

Please provide a summary of this Magazine's scope.

IEEE Wireless Communications is designed for individuals working in the communications and networking communities. It covers technical and policy issues relating to personalized, location-independent communications in all media (and combinations of media), and at all protocol layers. Both wired and wireless communications will be covered as well as computing, the mobility of people, communicating devices, and personal services. Each issue of this interdisciplinary magazine provides articles of high quality and depth concerning the revolutionary technological advances in personal, location-independent communications and computing.

IEEE Wireless Communications is also available [online](#) .

Six times a year, articles in IEEE Wireless Communications examine key concerns, such as:

- Personal portable telephones, multimedia devices, digital assistants, and communicating palmtop computers.
- Registration and handoff protocols, messaging, and communications and computing requirements.
- Network control and management for protocols associated with routing and tracking of mobile users.
- Location-independent numbering plans for movable personal services.
- Personal profiles, personalized traffic filtering and other database-driven aspects of personal communications.
- Link access technologies and protocols.
- Radio and infrared channel characterization and other micro cell-based personal communication systems.
- Satellite Systems and Global Personal Communications.
- Traffic management and performance issues.
- Policy issues in spectrum allocation, industry structure, and technology evolution.
- Applications, case studies, and field experience.
- Intelligent vehicle highway systems.
- Guides to the literature.
- Regular features include:
 - New product announcements
 - A scan of the literature, industry news

C. EDITORIAL POLICIES AND PROCEDURES

1. Describe oversight process by Editorial Board, AdCom, or other.

Objectives

The Department of Magazines is responsible for establishing policies and setting strategic directions for magazines publication, and the actual editing and production of magazines of the IEEE Communications Society, within the context of providing services to Society members. To the extent that non-member professionals can be viewed as potential Society members, or that their needs should be understood in maintaining current and formulating new society services, they, too, will be considered.

Activities

The Department of Magazines is chartered with 1) formulating strategic directions and 2) establishing policies which affect member services in the area of Magazines Publications. The Department of Magazines is further responsible for 3) editing and producing the IEEE Communications Society Magazines, 4) maintaining the validity of existing programs, and 5) assuring that such programs continue to meet the current needs of the Society Members. The Department of Magazines Board shall share responsibilities in these five areas.

Areas of concern, issues, or proposals for new initiatives can be generated anywhere - from members of the Board of Governors, the Operating Committee, Society Councils or members of their boards, the membership at large, and professionals outside the Society. To facilitate follow-through the Director shall ask a Member of the Board, an Editor-in-Chief or a ComSoc Editor or in conjunction with that Board Member, a member of their Editorial Board, to assume leadership for specific projects. It is expected that whenever possible, target completion dates will be set, and that the responsible individual will prepare periodic update reports to the Director and (where appropriate) the Editor-in-Chief or ComSoc Editor. As needed, progress will be reported to the Operating Committee or Board of Governors when they meet. Such reports will be presented by the Vice President of Membership Services or, at his discretion, the Director of Magazines.

To successfully fulfill its charter the Department of Magazines Board must keep the New York ComSoc Staff informed of its activities, and work closely with them whenever possible. In particular, the Executive Director, Staff Accountant, Advertising Sales Manager, Information Services Manager, Marketing Manager, Publications Manager, and Executive & Volunteer Services Senior Administrator must be kept informed of Board activities. As a minimum, each report prepared by members of the Board for customary BOG meetings will be copied to the Headquarters Staff, as itemized above. If appropriate such reports should also be provided to Headquarters Staff direct reports on an individual basis.

2. Describe the membership, function, and make-up (for example, geographic distribution, academic versus industrial, and so forth) of the group of Associate Editors (for example, the Magazines Editorial Board or Committee) the membership and function of the Editorial Board.

The editorial board reflects the international and employment demographics of our membership.

Editorial Board

Director of Magazines

Andrzej Jajszczyk, AGH U. of Sci & Tech., Poland

Editor-in-Chief

Michele Zorzi, Univ. di Padova , Italy

Senior Advisors

Hamid Ahmadi, AT&T Labs., USA

Thomas F. La Porta, Penn State University, USA

Advisory Board

Donald Cox, Stanford University, USA

David Goodman, Polytechnic University, USA

Tero Ojanperä, Nokia, Finland

Kaveh Pahlavan, Worcester Polytechnic Institute, USA

Mahadev Satyanarayanan, CMU, USA

IEEE Vehicular Technology Liaison

Theodore Rappaport, The University of Texas at Austin, USA

IEEE Computer Society Liaison

Mike Liu, Ohio State University, USA

Technical Editors

Prathima Agrawal, Auburn University, USA

Benny Bing, Georgia Tech, USA

Anthony C. Boucouvalas, U. of Bournemouth, U.K.

Andrew T. Campbell, Columbia University , USA

Yuguang Fang, Univ. of Florida, USA

Andrea Goldsmith, Stanford U., USA

Jennifer Hou, U. of Illinois, USA

Abbas Jamalipour, U. of Sydney, Australia

Parviz Kermani, IBM Research, USA

Yi-Bing Lin, National Chiao-Tung U., Taiwan

Giacomo Morabito, U. di Catania, Italy

Ramachandran Ramjee, Lucent Tech., USA

Apostolis Salkintzis, Motorola, Greece

Thomas Woo, Lucent, USA

Yacov Yacobi, Microsoft, USA

Theodore Zahariadis, Ellemedia Techn., Greece

Department Editors

Scanning the Literature: Songwu Lu, UCLA, USA

3. Describe the process for Editor-in-Chief (EIC) selection, training, and turnover cycle.

Organizational Structure

Magazines shall be administered by a Magazines Board, made up of a Chair (Director of Magazines) and eleven Board Members. The Director is appointed to the position by the Vice President Membership Services, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacities or areas of responsibility within the Society. The Vice President shall confer with the President in making a selection.

The Board Members are: Editor-in-Chief, IEEE Communications Magazine; Editor-in-Chief, IEEE Network Magazine; Editor-in-Chief, IEEE Personal Communications Magazine; Editor, The Global Communications Newsletter; Editor, IEEE Communications Surveys; ComSoc Editor of Interactive Magazines; ComSoc Editor for IEEE Press; ComSoc Editor for IEEE Multimedia Magazine; ComSoc Editor for Internet Computing Magazine; and ComSoc Editor-at-Large for Optical Networking and Computing.

Board Members are appointed to their position by the Chair, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacities. The Director shall confer with the Vice President in making a selection. It is expected that the Director of Magazines and reporting Editors-in-Chief and ComSoc Editors, members of the Board, will be members in good standing of the IEEE Communications Society.

All Editors-in-Chief and ComSoc Editors, members of the Board, shall serve a nominal two-year term, with terms extendable to a third year, based on mutual agreement of the Director and the Member of the Board. In the event that a member of the Board position is vacated before the full two- or three-year term is completed, the Director shall appoint a successor to complete that partial term, plus serve an additional traditional (two or three year) term. A Member of the Board term concludes either by natural expiration, or by invitation to resign, the latter subject to mutual agreement of the Board Chair and Society Vice President of Membership Services.

4. Describe the process for Associate Editor selection, training, and turnover cycle.

Members of the IEEE Wireless Editorial Board are appointed to their position by the Editor-in-Chief, drawing upon a field of candidates from the membership at large, with special attention given to individuals who have previously served in related capacity and/or specialized in a technical area of interest to the Magazine. The Editor-in-Chief shall confer with the Director of Magazines in making a selection. All members of the Editorial Board shall serve a nominal two- year term, with terms extendable to another year, based on mutual agreement of the Editor-in-Chief and the Member of the Editorial Board.

The Senior Technical Operations Editor is responsible for processing all articles received from the open call. Senior Technical Editors review proposals for new Feature Topics and Special Issues. Technical Editors and Associate Technical Editors serve as review liaisons by organizing the review process for articles submitted to the magazine or liaisons for Feature Topics or Special Issues by helping guest editors in their duties. Technical Editors and Associate Technical Editors also propose and solicit new articles or complete issues of the magazine.

5. Describe the flow of papers and the paper review process.

See Section *D. Quality*

E. QUALITY

Describe handling of papers from submission to publication. Include a thorough description of the paper peer review process.

Following are the instructions for the Guest Editors. Guest editors provide the majority of the papers.

Issue Planning

Submit a one- to three-page proposal to the Editor-in-Chief that describes the significance, direction, and anticipated feature article content and contributors of articles for the Feature Topic. The proposal should contain the following sections:

- Subject
- Guest Editors and their short biographies
- Purpose, significance, and a general description of the Feature Topic
- Proposed articles (provisional titles, potential authors, scope of the articles)
- Proposed schedule (manuscripts due, acceptance notification, final revised manuscripts due, manuscripts to publisher)
- It can also contain additional information (for example, a list of potential reviewers, etc.)
- Note: The proposal is reviewed by the Technical Editors, with a consolidated recommendation from the Editor-in-Chief, four-to-six weeks from date of submission.
- Continue to identify a full slate of three to six feature articles and authors for a Feature Topic, and obtain authors commitment to scheduled availability of draft papers.

Issue Management

- Arrange timely review by at least three experts in each feature article subject area. The IEEE Wireless Communications [Paper Review Form](#) is available online for printing locally.
- Please notify the reviewers about the style requirements of IEEE Wireless Communications, as well as about the fact that the reviewed article(s) belong(s) to a larger entity containing several articles on a common subject (please supply the reviewers with a copy of the accepted Feature Topic/Special Issue proposal).
- Ensure that all articles comply with the guidelines for style, length, and timeliness as set forth in “Feature Article Information” included in this kit (see below). Articles not in compliance risk being rejected.
- Prepare a Guest Editorial (800 words maximum) that includes biographies for each Guest Editor (biographies should not exceed 75 words) and the order in which the articles are to appear. The Guest Editorial should address the significance, current impact, timeliness, and future directions of the topic and, perhaps most importantly, it should extend the Guest Editor’s enthusiasm to the readers. An editorial which does little more than describe each feature article will not be acceptable.

Wireless Communications Interactive

- Authors’ papers will also be included in Wireless Communications Interactive (WCI), the online version of Wireless Communications Magazine. In WCI, articles will be presented in multimedia format with hyperlinks, animations, audio supplements, and other extensions. In principle, articles posted in CI can be longer and contain more references than their printed versions. The references can also be links to Web pages (that should not be used in the printed articles).
- However, if CI articles differ significantly from those printed, the Guest Editor should approve them before posting (asking, if necessary, for additional reviews).
- WCI Technical Editors will receive accepted papers assigned by the Interactive Magazines Editor and will consult with authors to identify areas where multimedia content might prove beneficial. Guest Editors should also encourage authors to consider ways in which multimedia extensions would enhance the technical content of the authors’ contributions.

Submission of Guest Editorials

Submission of Guest Editorials (along with guest editors’ biographies) via e-mail in plain text is preferred; Guest Editorials and bios can also be submitted on disk as plain text files. Hard copies of Guest Editorials and Guest Editors’ biographies should be also sent to the Layout Editor, either as Microsoft Word files or hard copy printed out and sent via mail.

Feature Article Information

- Articles should be tutorial and descriptive in nature and should be written in a style comprehensible to readers outside the specialty of the article.
- Articles may be edited for clarity and grammatical accuracy, and will be copyedited according to the magazine’s style.
- Mathematical equations should be limited to the extent that helps articulate major ideas described.
- References should be included only to guide readers to more information on the topic; the reference list should not include every available source (a limit of ten references is recommended; more than 15 references require permission from the Editor-in-Chief). References to Web pages should not be used in a printed version of the article except for very justified cases and Web sites with a proven stability, e.g., such as IEEE Communications Surveys (see also section related to Wireless Communications Interactive).
- Articles should not exceed 4500 words. Figures and tables should be limited to a combined total of six.
- If the article exceeds these recommended limits, contact the Guest Editor (or the Editor-in-Chief) handling the manuscript.

Timeline

Final versions of manuscripts due at IEEE: The 15th of the month, two months prior to issue date. For example, all materials for an article in the June issue are due at the ComSoc office by April 15.

Page proofs sent to contact author: Four weeks prior to issue date.

Page proofs back to IEEE: Three weeks prior to issue date.

Submission of Materials

- Only articles that have been accepted by the Guest Editor and approved by the [Editor-in-Chief](#), following the review process, should be submitted to the magazine’s Production Staff. When submitting the final version of the article, the materials listed below must be included. By working with the authors, the guest editor(s) are responsible for making sure the materials are submitted to the production office on time. It is recommended that one of the guest editors collects all material from the authors, sending in one package containing all materials from all articles to the production office.
- Electronic files for the manuscript text only via e-mail or on a 3.5-in. disk.
- Clean hard copy of the manuscript with abstract, figures, tables, equations, biographies, references, etc. Captions for figures and tables and callouts of them within the text must be included. Figures must separate out, even if they are included within the manuscript pages. Microsoft Word files can be accepted by the staff for the hardcopy as long as the files can be printed out with all formatting in place. If there are any problems, the author will be required to supply a hard copy via overnight mail.
- Printed copy as well as an electronic version of all authors’ biographies (recommended length: 50 to 75 words).
- Completed and signed [copyright form](#).
- If required by the article, 4-color photos, transparencies, can be submitted. Discuss the need for color with the [Assistant Publisher](#) before submitting.
- Contact author’s mailing address suitable for Federal Express delivery (i.e., no P.O. Box #s), telephone and fax numbers, and e-mail address. Also include the e-mail address for each author if available.

Figures

Figures are redrawn to fit the style of the magazine. We will need a printed version sent as part of a Microsoft word file or as .PDF or .ps files. Please send each figure, clearly labeled on a separate page. If your article contains photographs, do not send gifs or jpegs. These compression formats work fine on the internet or for viewing on a monitor only, but they will not yield high quality print versions. Send original photographs for scanning by the staff. If your photograph was prepared digitally (i.e. with a digital camera or a screenshot), please use the high-resolution (300dpi or greater) tif setting. If your photo was captured as a jpeg and then converted to a tif, it will retain the low quality of the original jpeg in the final print version. In other words, don’t bother changing it from a jpeg or gif to a tif, it won’t improve the quality. Remember: jpegs and gifs are fine for the web but not for print processes. If there is no way you can supply us with a good quality original photo, we can not be responsible for the results you will see in the final printed magazine. Screenshots: If your paper contains screenshots, please send the original digital image along with your paper via email.

Keywords for purposes of online search

All articles should now be accompanied by keywords. Please include the keywords in the text file below the abstract. Please note: Hard copy of manuscripts should be one-sided only and include all required formatting in text, figures, tables, equations, etc. References must be numbered sequentially, not alphabetically. The basic reference format is: [#] A. Brown, “Communications and modern man,” IEEE Comm. Mag., vol. 1, no. 1, Jan. 1998, pp. 11-38.

E. TIMELINESS

Is every issue of this Magazine mailed on or before the cover date? Yes

This table is a status report (a “slice in time”) of all submitted papers for the past 5 years, as of the end of year 5. It is meant to include information on technical papers that undergo the review process; please do not count columns or departments that undergo Editor review only.

Account for all papers in the year of submission. For example, the number you insert in row 4 for year 3, is the total number of papers submitted in year 3 that have been published in years 3, 4, and 5. The Rejection Rate for year 5 cannot be computed since all the Reviews will not be complete.

The table is a status report of all submitted and published papers for the past 5 years
IEEE WIRELESS COMMUNICATIONS MAGAZINE – OPEN CALL PAPERS

	NUMBER OF PAPERS:	2000	2001	2002	2003	2004
1	Submitted	17	20	26	34	21
2	Returned by EIC for scope reasons, obvious poor quality, etc.	0	0	0	0	5
3	Peer reviewed (row 1 less row 2)	17	20	26	34	16
3a	Papers from Row 3 eventually rejected	10	16	20	15	2
3b	Papers from Row 3 in review process	0	0	0	5	10
3c	Papers from Row 3 with authors in revision	0	0	1	4	2
3d	Other papers from Row 3 (explain in comments below)	0	0	0	0	0
3e	Papers from Row 3 queued for publication	0	0	1	4	2
3f	Papers from Row 3 eventually published (if a paper is published in a subsequent year, , list in year of submittal where it is counted in Row 3)	7	4	4	6	0
4	Total: Rows 3a-3f, should equal Row 3	17	20	26	34	16
5	PERCENTAGE ACCEPTED	41%	20%	19%	29%	13%
6	Average number of months from Author Submission to Publication Date (submission to issue where paper appears)	18-24	18-24	18-24	18-24	18-24
**	Geographical distribution of Authors	%	%	%	%	%
	Regions 1 – 6					
	Region 7					
	Region 8					
	Region 9					
	Region 10					

**** Geographical distribution of authors of published papers in the year of publication, not year of submittal. Use current location of author as shown in the Biography. When a paper has more than one author, please enter a Region Number for each author.**

- c. *Describe what the S / C is doing to anticipate and solve the problems associated with the move from paper to electronic publishing.*

Society periodicals have been available in both print and electronic formats for the period of this review. Future problems will be largely financial and we are participating in the related TAB activities. The IEEE ComSoc digital library serves as a “laboratory” for investigating innovative features such as the CommOntology, patent citation, and personalization tools.

COMMENTS:

F. COMPETITOR PUBLICATIONS

The EE specialty of telecommunications is such that most periodicals compete with one another. Even ComSoc publications compete somewhat with each other. We have tried to be selective in identifying periodicals that compete with individual periodicals, but, in the broadest interpretation of competition, each individual scholarly publication could be listed against each ComSoc publication.

The IEEE Communications Society believes its periodicals serve members, the industry, and academia. It views periodical competition in two distinct arenas. The traditional scholarly perspective can be somewhat assessed by ISI Journal Citation Report Ratings and IEL usage statistics. Indeed, online access acceptance in the past several years renders scholarly journal circulation comparisons as a metric much less valid than in the past.

IEEE Communications Magazine competes with many controlled circulation publications for industry advertising and circulation carries much credibility in this arena. Surveys tell us exactly what members are actually reading for industry and product information; we include these publications as competitors for Communications Magazine. None of these periodicals are rated by the ISI Citation Report. Communications Magazine performs as a hybrid -- rating high in citations and online usage while acknowledged as an industry information source, generating \$1M in 2003, down from a high of \$2.4M in 2000 per year in advertising revenue.

Within the subspecialty of telecommunications, the IEEE Communications Society periodicals dominate the ISI's 55 competitive publications. In terms of scope, reputation and industry value only two periodicals can be truly comparative: British Telecommunications Technology Journal and Bell Labs Technology Journal. Several other pubs may be competitive in the academic sense, such as Japan's IEICE Transactions on Communications or KICS Journal of Communications and Networks.

For ISI's 2003 Impact Factor, ComSoc pubs rate #1 (Network), #2 (Wireless Communications Magazine, formerly Personal Communications), #3 (Communications Magazine), #5 (JSAC), #7 (Transactions on Communications), #10 (Communications Letters).

Among all of ISI's 205 EE publications, IEEE Network magazine rated #2 for Impact.

Citation half-life is rated at #7 (Transactions on Communications), #15 (JSAC), #21 (Wireless Communications Magazine, formerly Personal Communications), #28 (Network), #30 (Communications Magazine), #34 (Communications Letters).

For Immediacy, the ratings are #2 (JSAC), #4 (Network), #10 (Transactions on Communications), #11 (Communications Magazine), #22 (Communications Letters), #53 (Wireless Communications Magazine, formerly Personal Communications).

Note that ISI Citation Report data, as noted in chart below, is derived from ISI data, which may not agree with official IEEE data (i.e. papers per year).

Among the 165 periodicals reporting for IEL usage in 2003, ComSoc periodical rate #6 (Communications Magazine), #7 (Transactions on Communications), #13 (JSAC), #31 (T-Comm. legacy), #39 (Communications Letters), #55 (Network magazine), and #78 (Wireless Communications magazine, formerly Personal Communications). It is our understanding that cumulative 2003 IEL Communications Society periodicals usage is rated number one among all IEEE societies.

IEEE Transactions on Communications			1.665	8.8	.162	272
Computer Networks & ISDN Systems	Elsevier		.918	5.1	.130	131
International Journal of Electronics	Taylor & Francis		.249	9.6	.017	58
Electronic Letters	IEE		1.010	6.4	.124	1195
Journal of Communications and Networks	AIEI Korean Inst. of Communication Sciences		.571	n/a	.024	41
British Telecommunications Technology Journal	Kluwer		0.176	4.6	.729	70
Bell Labs Technical Journal	AT&T		.673	7.0	.053	57
Trans Antenna Propagation	IEEE		.941	>10	.156	417
IEICE Trans Communications	IEICE		.436	4.2	.092	414
Trans Vehicular Communications	IEEE		.849	7.7	.064	141
International Journal of Wireless Information Networks	Plenum Press		NA	NA	NA	NA
Signal Processing/Image Communication	Elsevier		NA	NA	NA	NA
Computer Physics Communications	Elsevier		NA	NA	NA	NA
European Transactions on Telecommunications	ELE		NA	NA	NA	NA

IEEE Wireless Communications Magazine	* 2002 title change affects ISI report; does not include recent yrs		3.366	5.1	*	64
Formerly IEEE Personal Communications Magazine	Computer Communication Review	ACM	See competitor info above			
	Electronic Letters	IEE				
	Journal of Business and Technical Communication	Sage Per Press				
	Journal of Computer Documentation	ACM				

G. FINANCIAL AND SUBSCRIPTION INFORMATION

WIRELESS MAGAZINE	2000	2001	2002	2003	2004	2005 Budget
Pages/Year	354	368	535	450	575	450
Issue/Year	6	6	6	6	6	6
Subscribers (Units)						
Regular Member	6441	6567	6599	5650	4828	4060
Student Member	456	521	602	498	570	650
Individual Non-Member	350	340	333	184	171	150
Regular Interdisciplinary	615	669	618	605	577	450
Student Interdisciplinary	38	59	49	79	123	100
Subscription Rates (\$)						
Regular Member	25	25	25	25	35	40
Student Member	15	15	15	15	18	20
Individual Non-Member	160	175	200	215	250	275
Regular Interdisciplinary	32	32	32	32	50	50
Student Interdisciplinary	24	24	24	24	25	25
Member Electronic	n/a	n/a	n/a	n/a	30	30
Member Combo	n/a	n/a	n/a	n/a	40	45
Included in Membership Fee	no	no	no	no	no	no
Voluntary Page Charges						
Voluntary Page Charges Requested						
Voluntary Page Charges Received						

H. FINANCIAL AND SUBSCRIPTION DISCUSSION

- 5. *Comment on any financial anomalies.*
- 6. *Comment on any subscription anomalies.*

The financial and subscription data reflect the availability of this top rated publication via IEL subscriptions as well as the economic condition of our supporting industry base.

I. COMPLIANCE WITH IEEE POLICIES AND PROCEDURES

*The EIC shall have in his/her possession a current copy of the appropriate IEEE manuals regarding policies and procedures for publications. The EIC shall have read and be familiar with all sections of the above documents concerning publications. Please visit the following site for such documents:
<http://www.ieee.org/organizations/tab/tab.html>*

Comment regarding compliance with the above requirement, and compliance with the individual publication related policies of each document. Describe action plans to come into compliance if in default.

We are in full compliance with IEEE policies and procedures.

J. RECOMMENDATIONS FROM PREVIOUS PUBLICATIONS REVIEW

4. The Society has taken an aggressive lead role in electronic publishing. Several of the technical publications are participants in the IEEE OpeRA and IEL efforts.

All of our archives and publications are part of the IEL.

5. The Society has identified a relative weakness in a lack of representation in wireless and internet technologies as well as the long-time-to-publish issues suffered by most Societies.

We have established a major conference, WCNC, collocated with the CTIA trade show; we have spun off the Transactions on Wireless Communications (from JSAC); we have tried with little success to develop cooperative program with the Internet Society, though they are a technical cosponsor of IEEE Communications Magazine; and we have recently been developing a relationship with Broadband over Powerline interest groups and The Wireless World Research Forum (WWRF).

As noted earlier in our report many wireless and internet-related technologies have been part of our conference technical programs. More specifically:

- Wireless - advances in 3G and beyond, Wi-Fi" Access (at WCNC and PIMRC).
- Internet - getting into G-MPLS to extend the Internet protocols to optical networks (at OFC, INFOCOM).
- AdHoc Networks, (at WCNC, PIMRC, SECON, MILCOM, INFOCOM).
- VoIP (at ICC/GLOBECOM).
- ADSL- Broadband on twisted pair, Broadband over Power Line (BPL) (at ICC/GLOBECOM, INFOCOM).
- Enterprise networks -Secure networks for financial and medical vertical markets, Wi-Fi and Cellular Access for Enterprise Applications, IPv6 applications EntNet@SUPERCOMM).
- Network Management - Managing control-plane based optical networks (at NOMS/IM, and GLOBECOM/ICC).

With regard to the long-time-to-publish problem, we have a test program underway to change the journal publications workflow to shorten time to publish and costs.

K. NOTABLE FEATURES

Describe special issues, or other notable features.

The magazine publishes tutorial style papers from both the open call and on special issues on timely topics. Some of the papers also include original results and proposal, always written in a style which is widely accessible to our readership that is expected to be composed by people interested in wireless communications and networking but does not need to have any specific knowledge on the various topics treated.

L. FUTURE PLANS

Describe future plans for this Magazine.

We would like to widen the range of topics we deal with, especially for what pertains to wireless communications. To this aim, we are planning a couple of special issues on topics more related to the physical layer. We want to establish some kind of liaison with IEEE Pervasive Computing, contacts have already been made between the EiCs but more work is still to be done. The web site should be improved.

M. SELF ASSESSMENT

This section provides an opportunity for self-assessment of this Magazine. Please compose a narrative to reflect your S/C viewpoints on this Magazine; in so doing, cite specific examples of strengths and weaknesses.

The magazine has an excellent track record for technical quality. The impact factor is one of the best in our field. Many of the papers we publish have become reference points for researchers in the field of wireless communications and networking. It is not clear how we related to the recently opened Radio Communications Supplement, and the relationship

with Pervasive Computing should also be improved. The review process for open-call papers is still too slow and needs to be improved as well. The plan for future special issues is very sound and we do not foresee any problems about contents.

There are 205 journals tracked by Thomson ISI Journal Citation Reports covering the subject area of Electrical and Electronics Engineering during the year 2003. In the field of communications and in the specific area covered by the IEEE Transactions on Communications, the relevant journals, ranked by the impact factor, have the following statistics.

The impact factor is measured as the ratio of the number of cites in 2003 to articles published in 2002 to the number of articles published in 2002. Some comments are in order for this table. The high impact factor for the ETRI Journal is clearly an anomaly, and when the nature of citations is studied, it becomes clear that this journal has an unusually large number of self citations, especially in 2003. In 2003, the number of self citations for this journal is 2.6 times the number of citations in other journals (13 and 5).

Rank	Journal	Total Cites	Impact Factor	Immediacy Index	2003 Articles	Cited Half Life
1	IEEE Network (magazine)	1058	3.871	.300	40	4.5
2	IEEE Personal Comm. Magazine	1019	3.366	-	0	-
6	IEEE Communications Magazine	2775	2.406	0.160	163	4.4
15	IEEE Journal Selected Areas in Comm.	6069	1.967	0.343	143	5.8
31	ETRI J. (El. & Comm. Res. Inst. Korea)	185	1.773	0.310	58	2.0
36	IEEE Transactions on Communications	7854	1.665	0.162	272	8.8
41	IEEE Wireless Comm. Magazine	86	1.583	0.043	47	-
47	IEEE Trans. Wireless Comm.	133	1.232	0.230	126	1.4
	IEEE Communications Letters	996	1.196	0.092	195	3.3
52	Kluwer Wireless Networks Journal	517	1.170	0.192	52	4.9
100	Bell Labs Technical Journal	372	0.673	0.053	57	7.0
117	AEU Int. Journal Elec. Comm.	236	0.552	0.033	61	6.2
136	IEICE Trans. Comm.	1004	0.436	0.092	414	4.2
159	IEE Elec. & Comm. Journal	74	0.300	-	0	-
160	IEE Proceedings – Comm.	274	0.298	0.014	74	6.1
161	Jour. Comm. Tech. & Elec. (Russia)	702	0.290	0.038	182	>10.0
163	Alcatel Telecom. R.	150	0.280	0.000	34	8.9
165	J. Inst. Brit. Telecom.	33	0.259	-	0	-
175	BT Technology Journal	212	0.176	0.000	12	-
178	Int. Journal Comm. Systems	53	0.142	0.000	55	-
184	NTT Review	65	0.117	0.200	20	-
200	IETE Journal Research (India)	14	0.029	0.000	35	-
202	Electron. Comm. Japan (Comm.)	36	0.015	0.000	115	-

N. REVIEW COMMITTEE REMARKS REGARDING THIS MAGAZINE (Pubs review cmt.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)

REVIEW COMMITTEE RECOMMENDATIONS FOR THIS MAGAZINE (Pubs review cmt.)

(To be completed by the IEEE TAB Periodicals Review Committee after the review meeting)