

Policies & Procedures - 7. Technical Committees

- Bylaws Article 5 -

Technical Committees (policies and procedures proposed by each Technical Committee Chair with the approval of the Vice President Technical Activities)

7.0 Operating Procedures Templates Policies and procedures for all Technical Committees are required by the Board of Governors. To facilitate this requirement, The Vice President - Technical Activities provides five templates for TC operating procedures. This section of the P&P Manual contains the minimum set of policies and procedures to complement the existing procedures of individual Technical Committees. Technical Committees may add and refine (but not violate) these minimum procedures.

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7.02 TC - [Conduction of Meetings](#)

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7.04 TC - [Supporting Activities](#)

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Ad Hoc & Sensor Communications & Networks

The Committee will serve as ComSoc's focal point in the area of wireless ad hoc and sensor networks technologies, stimulating and organizing leading-edge wireless ad hoc and sensor networks symposia, workshops, sessions and tutorials at ComSoc conferences. It will also serve as a proactive facilitator in the dissemination of evolving wireless ad hoc and sensor networking standards.

[Charter](#)
[Election](#)

Cognitive Networks

The goal of TCCN is to provide a platform for its members in particular, and the cognitive networking research, development, policy making and standardization community in general, to

interact and exchange technical ideas to identify major challenges and also derive solutions in the development of cognitive networking technologies.

[Charter and Policies & Procedures](#)

Communication Theory

Communications Theory TC -- The Committee sponsors conference sessions, workshops, tutorials, as well as promoting and reviewing papers in the broad area of communication theory, with emphasis on applications to practical systems. The technical content of these sessions and papers focuses on the analytical and theoretical aspects of many diverse areas that include modulation, coding, synchronization, equalization, signal processing and neural networks, transmission over all media, source and channel coding, spread spectrum and multiple access, data communications, and communication networks.

[Budgets & Expenses](#)

Communications & Information Security

This committee will promote security of all types of communication networks and forms of information transported by them and through them, end to end. Our security interests start from the network physical layer and they end on the end user application layer. The committee will support conferences, symposia, technical sessions, publications, etc., where information is exchanged within the scope of interest of the TC

[Nomination & Elections](#)

[Conduction of Meetings](#)

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[Supporting Activities](#)

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Communications Quality & Reliability Communications Quality & Reliability TC –This committee focuses on and advocates worldwide communications quality and reliability on behalf of, and within, the Communications Society. CQR serves as the catalyst for global awareness and the exchange of information relative to technical and management-related aspects of communications quality and reliability.

[Budgets & Expenses](#)

[Supporting Activities](#)

Communications Software

Communications Software TC -- The mission of this committee is to advance the state of the art in communications software and its various aspects and applications. It serves as the major forum for discussion among communications software professionals in both of the communications and computer industries.

[Operating Procedures](#)

[Charter](#)

Communications Switching & Routing Communications Switching & Routing TC -- The objective of this committee is to sponsor publications, conference technical sessions, workshops and topical meetings and discussions in the theory and applications of information switching.

Specific areas include, but are not limited to theory, architecture, traffic, performance, signaling protocol and networks, call and mobility control, services and features, planning, economic factors and management of switching systems.

[Operating Procedures](#)

Communications Systems Integration & Modeling

Communication Systems Integration & Modeling TC -- This committee is concerned with the systems disciplines and modeling tools that facilitate the integration of information-transport equipment, subsystems, and networks into communications systems. The committee particularly addresses computer-aided modeling of integrated subsystems to answer architectural and performance questions.

[Operating Procedures](#)

Computer Communications

Computer Communications TC -- The Committee (TCCC) sponsors papers, discussions, and standards on all aspects of computer-communication systems. It provides a forum for members to broaden professional contacts and for technical discussions and interactions. Its areas of interest include performance of computer network and switch architectures, interfaces and protocols, configuration control, scheduling and buffer management, routing, flow control and admission control algorithms, error control, and network security, reliability, and management.

[Budgets & Expenses](#)

[Endorsement Procedures](#)

Data Storage

Signal Processing for Storage TC -- The Technical Committee (SPS) promotes advances in the state of the art of signal processing to enhance digital data storage systems, in order to achieve high storage densities, fast access, and low error rates. The committee is also interested in VLSI implementations of read/write channel electronics.

[Nomination & Elections](#)

[Conduction of Meetings](#)

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Enterprise Networking

Enterprise Networking TC -- The Committee focuses on "end-to-end" solutions, addressing topics such as re-engineering of business processes around computers and communications, end-to-end network design and integration of subsystems, interconnection and interoperability of all components of an enterprise network, including Local/Wide/Global Area Networks, fiber interfaces, ATM, SONET SDH, and Client/Server elements.

[Charter](#)

High-Speed Networking

High-Speed Networking TC -- This committee promotes interest within and outside the Communications Society on the emerging applications and architectural solutions for high-speed networks. A primary goal is to serve as a focal point for activities in high performance networking

by participating in and sponsoring conferences and workshops; encouraging publications, fostering discussion; and providing education on the utility of high-speed networks and possible architectural alternatives required for optimum infrastructure.

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Information Infrastructure

Information Infrastructure TC -- The Committee identifies and exchanges knowledge on issues related to National Information Infrastructure (NII) and Global Information Infrastructure (GII). It stimulates interdisciplinary conferences, sessions, workshops, publications, and standards activities, and offers leadership and support to the Communications Society in furthering its own use of the national and global information infrastructures.

[Budgets & Expenses](#)

Interconnections in High-Speed Digital Systems (*decertified 2003*) Interconnections in High-speed Digital Systems TC -- The Committee addresses the performance bottleneck presented by interconnections within high-speed digital systems. It tracks and disseminates information about optical and electrical interconnection technology at the component, packaging, and sub-systems level, and the actual implementation of these technologies.

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Internet

Internet TC -- The Committee is a joint committee of the Internet Society and the IEEE Communications Society for stimulating interdisciplinary exchanges and applications of state of the art communications and related technologies to Internet infrastructure and services. The committee contributes to the emergence of an ubiquitous, multimedia, and high-performance Internet serving large segments of the world's population.

[Charter and Policies & Procedures](#)

Multimedia Communications

Multimedia Communications TC -- The Committee examines systems, applications, services and techniques in which two or more media are used in the same session. These media include, but are not restricted to, voice, video, image, music, data, and executable code. The scope of the committee includes conversational, presentational, and transactional applications and the underlying networking systems to support them.

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Network Operations & Management

Network Operations and Management TC -- The Committee on Network Operations and Management (CNOM) focuses on network and service operations and management. It encourages the exchange of information on the operational and technical management aspects of public and private networks for voice, data, image, and video, and organizes and sponsors publications and discussions of these topics. Specific technical interests include automation of network operations, customer network management and control, knowledge-based technologies, real-time management of networks, network-operations architecture, service management, and end-to-end management across several jurisdictional boundaries.

[Operating Procedures](#)

Optical Networking

Optical Networking TC – This committee serves as ComSoc's focal point in the area of optical networking technologies and plays an active role in stimulating/organizing leading-edge optical networking symposia, workshops, sessions and tutorials serving OFC and other premier M&C venues. ONTC also serves as a proactive facilitator in the dissemination of evolving optical networking standards by working closely with standards forums such as OIF, IETF, and ITU/T

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Power Line Communications

The Committee sponsors conference sessions, special issues, workshops, tutorials, and promotes the dissemination of technical information in the broad area of communications over power lines. Our primary goal is to serve as a focal point for all activities in the area of power line communications.

[Charter](#)

[Operating Procedures](#)

Radio Communications

Radio Communications TC -- The Committee sponsors and promotes technical papers, workshops, and tutorials on the engineering aspects of communications systems, equipment, and operation in which electromagnetic transmission through space near the earth's surface is the dominant factor. Specifically included are systems in which the transmission follows the

surface or takes place within the atmosphere of the earth. Technologies are considered for point-to-point, point to multipoint, mobile radio, and personal communications radio access. Commercial band broadcasting and space communications are outside the scope of the Committee.

[Charter](#)

[Operating Procedures](#)

Satellite & Space Communications - approved 4/99 - Satellite & Space Communications TC-- The committee facilitates technical exchange in the field of satellite and space communications and maintains a keen interest in the development and maintenance of standards in this area. It explores the evolution of new satellite and space-based systems and the application of new and emerging technologies.

[Operating Procedures](#)

[Charter](#)

Signal Processing & Communications Electronics

Signal Processing & Communication Electronics TC -- This Committee (SPCE) sponsors papers, participates in the organization of conferences, and promotes technical workshops on those aspects of communications that pertain to the innovation, development and application of algorithms and electronic and photonic devices or subsystems for generation, processing, storage, transmission, recovery, and presentation of communications signals. In so doing, the committee also has as a goal the professional development of committee members and other practitioners that work in the above areas.

[Charter and Operating Procedures](#)

Tactical Communications & Operations

Tactical Communications & Operations TC -- The mission of the committee is to provide an open forum in which professionals in defense and disaster recovery related industries, government agencies and academic institutions can exchange knowledge and cooperate to advance the state of the art in tactical communications. The committee sponsors conferences, publications, workshop, technical sessions at Society meetings and other forums for information exchange among its members.

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Transmission, Access & Optical Systems Transmission, Access & Optical Systems TC -- This committee sponsors and organizes papers, conference sessions, workshops and standards development relating to both optical and metallic guided media transmission and access systems for the transport of speech, data, and visual information of any bandwidth. Specific areas of interest include: testing and performance of analog and digitally transmitted signals; systems and equipment for subscriber access over fiber, coaxial cable, and twisted copper pairs; analog and digital subscriber lines over wires and interfaces to wireless media; inductive coordination and electrical protection of wired media; network synchronization; and development of IEEE-oriented

standards.

[Scope/Charter/Policies & Procedures](#)

[Nomination & Elections](#)

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Wireless Communications

Personal Communications TC -- The mission of the committee TCPC is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges on architectures, applications, systems, terminals and technologies to provide personal, location-independent communication and computing in voice, data and visual media. Its areas of interest include techniques for achieving portability, ubiquity and transparency using wireless networks ranging from microcellular to satellite, and wired networks ranging from narrow to broadband.

[Budgets & Expenses](#)

[Charter](#)

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