

USNC Constituent Training Program

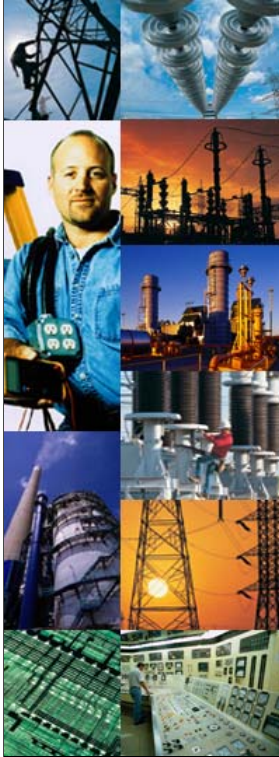
Module II-B

USNC/IEC Organizational and Governance Structures

First edition: June 2005

This training material has been developed with content provided by the USNC/IEC Communications and Continuing Education Committee and the ANSI Education and Training Services Team

Notes:



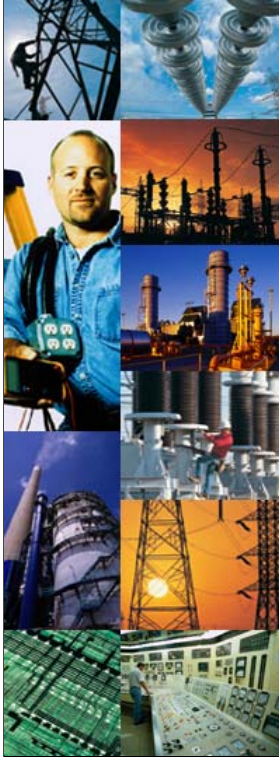
Module II-B: Learning Objectives

- This module provides an overview of the U.S. National Committee of the International Electrotechnical Commission (USNC/IEC)
 - Membership
 - Organization structure
 - Governance and policy-setting bodies
 - USNC Technical Advisory Groups (TAGs)

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Notes:



Module II-B: Disclaimer

- The information contained in this self-taught learning module is intended as a summary of documents and procedures frequently used within the IEC and the USNC/IEC.
- The topics that follow are presented in summary format only. For additional information about content addressed in this module, please contact the USNC/IEC staff.
- Additional information is also available via [ANSI Education and Training Services](#).



The “Question Mark” icon indicates that optional supplemental information is available for review. The additional text will only be displayed if the user clicks directly on the “Question Mark” icon.

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When reviewing this file in “Slide Show” format, the question mark icon is a cue that more information is available. Clicking on this icon will launch a pop-up box containing the optional information. However, in this “printable” version of the tutorials, the pop-up dialogue text appears in the “Notes” section (as shown here).



Reference Materials and Source Documents



- [ISO/IEC Directives, Part 1:2004](#)
Procedures for the technical work
- [ISO/IEC Directives, Part 2:2004](#)
Rules for the structure and drafting of International Standards
- [ISO/IEC Directives, IEC Supplement:2004](#)
Procedures specific to IEC
- [IEC Statutes and Rules of Procedures](#)
IEC membership and participation procedures
- [USNC Statutes and Rules of Procedure](#)
- [USNC Operating Procedures for USNC/IEC TAGS](#)
- [Guide for U.S. Delegates to meetings of ISO and the IEC](#)



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Notes:



U.S. National Committee of the IEC



United States
National Committee
of the IEC

- The **U.S. National Committee of the International Electrotechnical Commission (USNC/IEC)** is a committee of the American National Standards Institute (ANSI). The USNC serves as the official U.S. member of the IEC and related regional standardization bodies.



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USNC/IEC Mission



For more information,
please view the:

Purpose of the
USNC/IEC

History of the
USNC/IEC

The USNC/IEC mission is to provide strategy to effectively participate in the development of IEC standards to facilitate international trade for the benefit of the U.S. industry in the fields of all electrotechnologies,* and to provide a framework to the U.S. industry which serves as the focal point, conduit and advocate for U.S. interests in international and regional electrotechnical standards, conformity assessment, and other related matters.

*The IEC charter embraces all **electrotechnologies** including: electronics, magnetics and electromagnetics, electroacoustics, multimedia, telecommunication, and energy production and distribution, as well as associated disciplines such as terminology and symbols, electromagnetic compatibility, measurement and performance, dependability, design and development, safety and the environment.



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USNC/IEC Strategic Objectives



- Provide leadership in IEC Management Activities
- Guide and influence the structural and market positioning of the IEC in global markets consistent with U.S. electrotechnical positions
- Grow USNC membership through improvement in outreach, participation and diversity of the organization
- Increase regional effectiveness of the USNC and IEC membership
- Develop comprehensive standards strategy
- Develop comprehensive conformity assessment strategy
- Ensure a sound financial base for USNC operations
- Provide effective communications process for USNC constituents



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Notes:

DID YOU KNOW . . . ?

“Most of us see US participation from the trenches... what we don't see is the Management Council and TMC working to establish USNC positions on everything from who should we support for IEC officer positions, to how can we help out "experts" be more effective, to should we have a unified US position on AWG wire.”

Jack Wells
Vice President - Corporate Development
Pass & Seymour/LeGrand
Chairman, USNC Communications and Continuing
Education Committee



USNC/IEC Membership



- The broad-based USNC/IEC constituency represents the stakeholders in the U.S. electrotechnical community
 - The USNC/IEC includes representatives of academia, consumers, government agencies, manufacturers, professional societies, testing organizations, trade associations and more



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USNC/IEC Membership



- ANSI members may become voting members of the USNC upon determination of material interest, provided they are also
 - organizations serving as TAG Administrators and/or TC/SC Administrative Secretariats and having paid the requisite fees.or
 - entities which have expressed interest in participating in the USNC and have paid the USNC Organizational fee.
- For more information about membership, please contact the [USNC/IEC staff](#).



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Notes:

DID YOU KNOW . . . ?

NOTE: Technical Advisors, Deputy Technical Advisors, TAG Administrators, U.S. TC/SC Secretaries, U.S. TC/SC Chairmen, TAG Members, Convenors, Experts and Honorary Life Members are **non-voting members** of the USNC.* These individuals are considered essential parts of the broader USNC constituency.

**See Modules III-A and III-B for more information about these roles and their responsibilities.*



USNC/IEC Funding Program



- In 1998, the ANSI Board of Directors challenged the USNC/IEC to become a self-supporting entity
- With the exception of membership fees, the USNC receives no subsidies from other organizations or financial support from the U.S. government
- Numerous funding options were considered and a "Pay to Play" philosophy was ultimately adopted by the USNC/IEC Council
 - Felt to be the fairest, most equitable and least onerous payment mechanism



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Notes:

DID YOU KNOW . . . ?

"The USNC is a lean and fiscally responsible part of the ANSI federation. The only funds we spend are on the US IEC Membership Dues, USNC staff and USNC programs developed by the Council. The only money we receive are royalties from the sale of IEC documents in the US and member dues and fees. The USNC is funded on a pay to play basis - It depends on everyone to pay their fair share in order to keep costs low. There is no "them" out there to "take care of it" or pay for it, except you and me."

James E. Matthews, III
Director, Technical Standards and Standards Policy
Corning Communications Sector
Corning, Inc.
Vice President – Finance



USNC/IEC Funding Program



■ “Pay to Play”

- Modest, across-the-board fee for all individual Technical Advisory Group (TAG) Participants (currently \$275 annual fee; \$500 for TAGs serving two or more TC/SCs)
 - ANSI membership is not required
 - Exemptions, waivers, etc. are considered on a case-by-case basis

- ANSI members (companies, organizations and government agencies) can become voting USNC Members for an annual fee of \$6,000
 - Individual TAG participation fees are waived for any employee of that company, organization or agency



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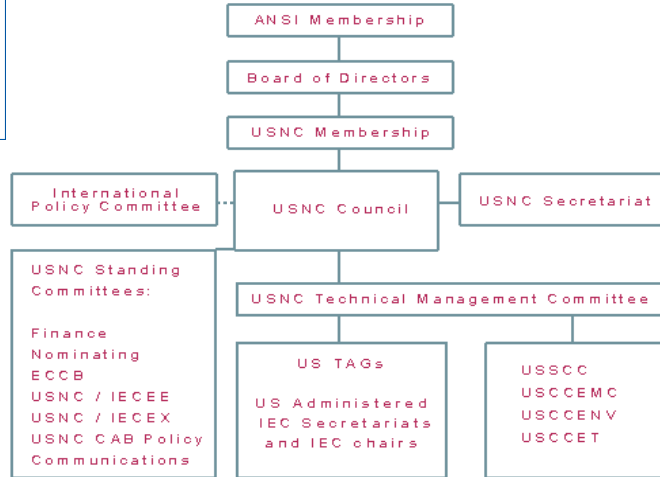
Notes:

DID YOU KNOW . . . ?

Other USNC Members benefits include the ability to vote on key issues, nominate candidates for USNC Officers, and nominate candidates for USNC Council and TMC membership.



USNC/IEC Organization Structure



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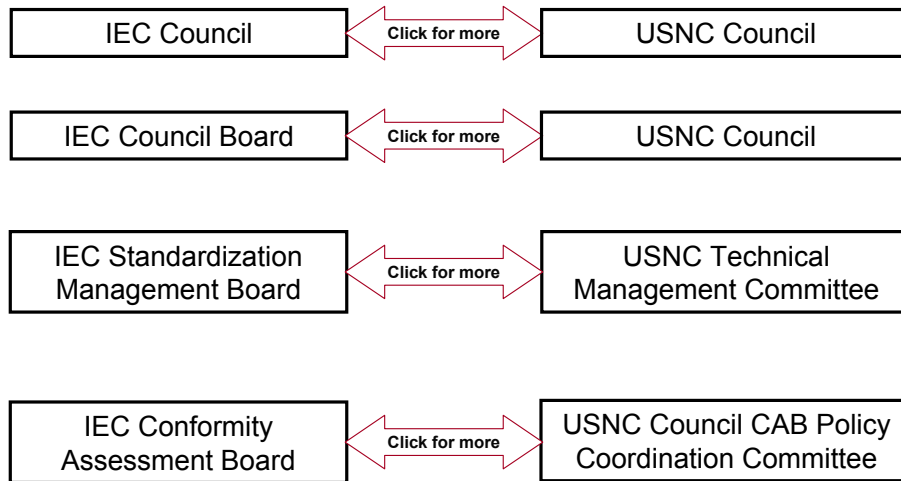
Notes:

DID YOU KNOW ... ?

The ANSI International Policy Committee coordinates overarching issues in the Institute's regional and international standards programs.



IEC and USNC Organization Structure Mirror Image Relationships



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Notes:

DID YOU KNOW ?

- The USNC/IEC is a Full Member of IEC Council
- The USNC/IEC President is a member of the IEC Council Board
- The USNC/IEC is a permanent member of the IEC Standardization Management Board and has representation on the Management Advisory Committees and Sector Boards 1, 3 and 4.
- The USNC/IEC is a member of the IEC Conformity Assessment Board and has representation on the various schemes (IECEE, IECQ-CECC, and IECEX). *See Module II-A for more information.*



USNC Participation in IEC Policy and Management Activities



- U.S. is one of five permanent Council Board members
 - 15 members total
- U.S is one of five permanent Standardization Management Board (SMB) members
 - 15 members total
- The USNC and its members participate in 92% of Technical Committees and administer 16% of TC Secretariats



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Notes:

DID YOU KNOW ?

- The USNC holds a Participating “P” membership in 83 IEC Technical Committees (TCs) and 74 IEC Subcommittees (SCs).
- The U.S. administers 12 IEC TC Secretariats and 14 IEC SC Secretariats.
- The U.S. holds the chair of 12 IEC Technical Committees and 9 IEC Subcommittees.



USNC IEC Council



- Represents and coordinates U.S. involvement in IEC on behalf of the U.S. electrotechnical community
- Coordinates USNC activities with standards developers to promote consistency in IEC international and national activities



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Notes:



USNC Council Standing Committees



- **Council CAB Policy Coordination**

- IEC Conformity Assessment Board
- USNC/IEC System Conformity Testing to Standards for Safety of Electrical Equipment
- USNC/IEC system for quality assessment of electronic components and associated materials and processes.
 - ECCB – Electronic Components Certification Board for IECQ
- USNC/IEC Scheme for Certification to Standards for Electrical Equipment for Explosive Atmospheres

- **Finance**

- **Communications and Continuing Education**

- **Nominations**



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Notes:



USNC Technical Management Committee



- Manages the technical work of the USNC and represents the interests of the U.S at the Standardization Management Board (SMB).
 - Develops U.S. positions in preparation for IEC/SMB meetings
 - Appoints and oversees the designation of Technical Advisors, Deputy Technical Advisors, and TAG Administrators
 - Approves the designation of U.S. Secretariats to IEC Committees
 - Authorizes invitations to host IEC Technical Committee (TC) and Subcommittee (SC) meetings in the U.S.
 - Interfaces with regional/international bodies on technical issues



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Notes:



USNC Coordinating Committees

IEC Advisory Committee	USNC Coordinating Committee
ACOS (safety)	USSCC-U.S. Safety Coordinating Committee
ACEA (environmental aspects)	USCCENV-USNC/IEC Coordinating Committee on Natural Environmental Aspects
ACET (electronics, telecommunications)	USCCET-U.S. Coordinating Committee on Electronics and Telecommunications
ACEC (electromagnetic compatibility)	USCCEMC-U.S. Coordinating Committee on Electromagnetic Compatibility



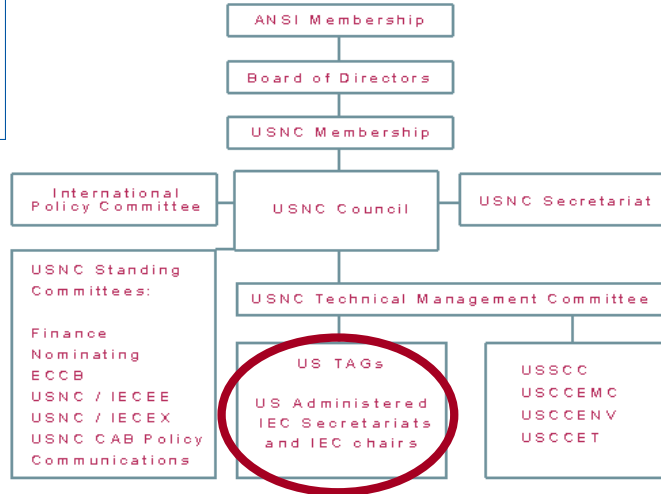
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Notes:



USNC-Approved Technical Advisory Groups (TAGs)



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Notes:



USNC-Approved TAGs



- USNC-approved Technical Advisory Groups (TAGs) develop the U.S. positions on technical – and certain policy – issues under consideration within the IEC technical committee structure
- U.S. TAGs are *mirror committees* of IEC TCs and SCs
- TAGs provide the delegates who will represent the United States in technical committee discussions at IEC meetings and also the experts who will serve on WGs, PTs and MTs



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DID YOU KNOW ?

There is one U.S. TAG for each IEC Technical Committee or Subcommittee on which the USNC is a “Participating” (“P”) Member.



USNC-Approved TAGs

- U.S. Technical Advisory Groups (TAGs) are committees appointed by the USNC for participation in all IEC technical and certain IEC policy activities
 - Any U. S. national interested parties directly and materially affected by the work of the TC/SC may participate as members of a USNC-approved TAG.
 - The process for developing USNC positions provide an opportunity for fair and equitable participation without dominance by any single interest
 - An annual TAG participation fee of \$275 is required (fee current as of January 2005)



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DID YOU KNOW . . . ?

The TAG must have an Administrator that provides administrative support to the group, a Technical Advisor (TA) who usually serves as TAG Chairman, and members. The TA is the primary technical point of contact for the TAG.



USNC-Approved TAGs

Responsibilities

- Development and maintenance of international standards in a specific technical area
 - “Mirrors” relevant IEC committee
 - Formed when new area of technical work is identified
- Compliance with ISO/IEC Directives
- Providing the U.S. delegations to technical committee meetings
- Including all relevant stakeholder interests
- Determining U.S. positions on matters arising before international technical committees
 - All U.S. positions developed by a TAG must be submitted to the relevant IEC committee by the USNC office
 - U.S. Technical Advisors (TAs) for IEC committees are appointed by the USNC Technical Management Committee and operate in compliance with the USNC Operating Manual (see Module III-B for more information on TAs).



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USNC-Approved TAGs

- General Criteria for the Establishment of a TAG
 - There shall be NO undue financial barriers to participation.
 - Participation shall not be conditional upon membership in any organization nor unreasonably restricted on the basis of technical qualifications or other such requirements.
 - Guidelines for determining a U.S. voting position shall be provided and followed
 - Criteria for approval of U.S. positions on International Standards shall be met
 - At least three (3) voting members are required for viability



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USNC-Approved TAGs

■ Procedures

- All USNC/IEC TAGs may choose to adopt:
 - the [Operating Procedures for USNC/IEC Technical Advisory Groups](#)
 - their own procedures, which must be equivalent to or more stringent than the TMC-approved model procedures and conform to the essential requirements of the [Operating Procedures for USNC/IEC Technical Advisory Groups](#)



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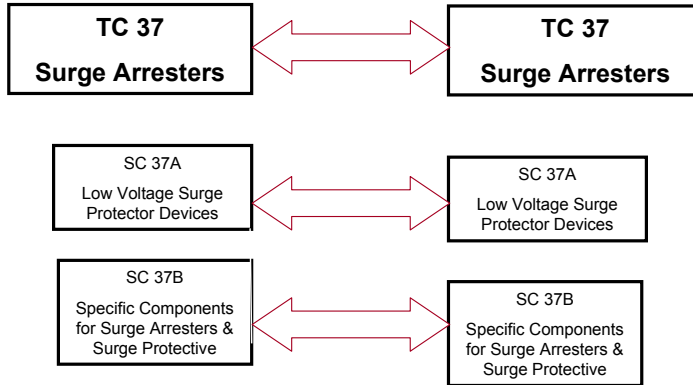
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EXAMPLE IEC/TC and USNC/TAG Relationship

IEC Technical Committee

USNC Technical Advisory Group



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Notes:



Internet resources: International



ISO/IEC Information Center



International Electrotechnical Commission

IEC Technical Information Support and Services



International Organization for Standardization



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Notes:



Internet resources: Regional Organizations



Americas

- [CANENA - Council for Harmonization of Electrotechnical Standards of the Nations of the Americas](#)
- [COPANT - Pan American Standards Commission](#)

Europe

- [CENELEC - European Committee for Electrotechnical Standardization](#)
- [ETSI - European Telecommunications Standards Institute](#)

Pacific Rim

- [PASC - Pacific Area Standards Congress](#)



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Internet resources: United States



[U.S. National Committee of the IEC](#)



[American National Standards Institute](#)

[ANSI International and Regional Programs](#)

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Notes:



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- **Elizabeth Pomaes**
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Notes:



Contact Information



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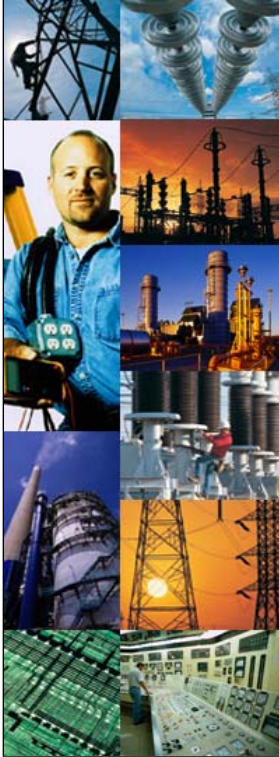
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Module II-B Complete.

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