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Review Committee Moving to Electronic Submittal Process

by Howard Frazier

The Review Committee (RevCom) of the IEEE Standards Association (IEEE-SA) Standards Board has developed a process for electronic submittal and review of draft standards. This process will be installed in time for the December 2000 RevCom meeting. The overall objective of the initiative is to improve the efficiency of the submission and review of standards presented to RevCom.

Under the old system, each draft submitted to RevCom was accompanied by several documents, including:

- Submittal Form
- Ballot Summary or Summaries
- Unresolved Negative Comments
- Correspondence with Balloters
- Coordination Verification Form
- Project Authorization Request (PAR)
- Copyright and Patent Releases

In addition, several paper copies of the draft were submitted, although the required number of paper copies was recently reduced from 20 to 5.

For a typical RevCom meeting, anywhere from 40 to 50 drafts are submitted for review,

each with the set of supporting documentation listed above. Every member of RevCom dreads the day, usually four weeks before the meeting, when the submittals arrive in a box containing 10 reams of paper. In the midst of the "Information Age," electronic submittal represents a clear opportunity to save trees and time, and to make the process of submitting and reviewing draft standards more efficient.

The first step in this movement to electronic processing began in mid-1999, when RevCom began to work from electronic copies of the drafts themselves. All draft documents are now submitted in electronic form, usually generated with a word processing application such as Microsoft Word, or preferably, the desktop publishing application that the IEEE Editorial staff uses for publication, currently Adobe FrameMaker™. These files are easily converted to Adobe Portable Document Format (PDF) files, which are universally readable using the freely available Acrobat Reader. Since June 1999, most of the members of RevCom have been reviewing PDF files of the draft documents rather than paper copies.

The remainder of the supporting documentation is often generated using electronic tools, such as a word processing, a spreadsheet, an e-mail, or a database application. In the past, there was no provision in the RevCom submittal process that allowed the documents to be sent to RevCom in any form other than paper. However, this is changing.

Beginning with the June 2000 RevCom meeting, an online version of the submittal form may be used. This form is available in HTML, PDF, and Microsoft Word formats at the URL: <http://standards.ieee.org/board/rev/index.html>.

Submitters can fill out any of the three versions of the form and send it to the RevCom Administrator by following the instructions that also can be found at the URL shown above. Until there is an approved method for electronic signatures, a single, signed paper copy of the submittal form must also be sent to the RevCom Administrator.

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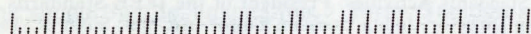
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Highlights of the March 2000 IEEE-SA Standards Board Meeting Series

For the first time, the IEEE Standards Association (IEEE-SA) Standards Board meeting was conducted electronically. All future meetings will be conducted in this manner.

- Jim Carlo was unanimously elected Vice Chair of the IEEE-SA Standards Board.



Donald Heirman, left, congratulates Jim Carlo, right.

- Chair Don Heirman noted the following recipients of IEEE Millennium Medals for 2000:

→Sid Bennett of the IEEE Aerospace and Electronic Systems Society

→Donn Terry of the IEEE Computer Society

→Bruce Barrow of SCC14, Standards Coordinating Committee on Quantities, Units, and Letter Symbols

→The 802 Committee of the IEEE Computer Society

→Gary Engmann of the IEEE Power Engineering Society

- The Distinguished Service Award for meritorious and distinguished service to the IEEE-SA Standards Board and its programs in 1999 was presented by Don Heirman to Jay Forster, Member Emeritus of the Standards Board.

- The IEEE-SA Standards Board unanimously approved the formation of a new Type-2 Standards Coordinating Committee (SCC) on Reliability. This SCC will be designated SCC37.

- Mary Lynne Nielsen, Manager of Process Management and Improvement, presented a report highlighting the globalization effort with the IEEE Canada Standards Committee. Japan, France, the United Kingdom, and Sweden are being considered for similar globalization activity.

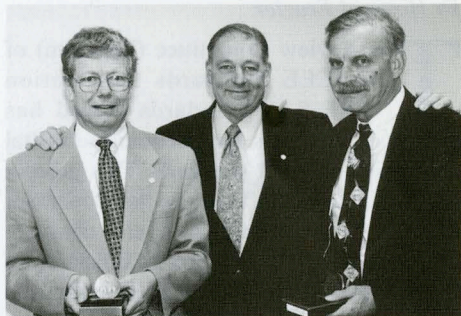


Donald Heirman, IEEE-SA Standards Board Chair, presents the Distinguished Service Award to Jay Forster. From left, Frieda Forster, Jay Forster, and Donald Heirman.

- Peter Lefkin gave an activity report on the IEEE Industry Standards and Technology Organization (IEEE-ISTO), stressing the fact that the IEEE-ISTO is a standards development program that complements the traditional IEEE standards program.

- Revisions to the Standards Review Committee (RevCom) conventions, working guide, and submittal form were approved.

- The New Standards Committee (NesCom) has implemented a new form for requesting an extension for a Project Authorization Request (PAR). Gary Robinson was appointed as Vice Chair of the Committee. The IEEE-SA Standards Board approved NesCom's Continuous Processing pilot as part of NesCom's permanent process.



Donald Loughry (center) presented IEEE Millennium Medals to Jim Carlo, who accepted the award on behalf of the the 802 Committee of the IEEE Computer Society, and Gary Engmann (right), Substations Committee of the IEEE Power Engineering Society

- The Audit Committee (AudCom) approved draft-operating procedures for Type-1 and Type-2 Standards Coordinating Committees.

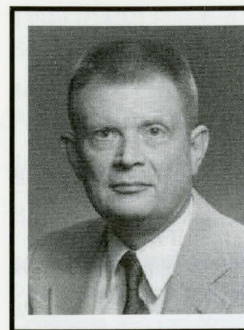
- The Patent Committee (PatCom) will create procedures to address the handling of patents for withdrawn standards and revisions of standards.

- The position of chair for SCC10 (Terms and Definitions) is still vacant and the Standards Board plans to reestablish SCC11 (Graphic Symbols). For more information, please contact Rona Gertz at +1 732 562 3808 or r.gertz@ieee.org.

FROM THE CHAIR OF THE IEEE-SA STANDARDS BOARD

by Donald Heirman

Welcome to the New Millennium!



As we move into the next century of our standards activity, the IEEE Standards Association (IEEE-SA) Standards Board has a fresh group of new officers and standing committee chairs. First, I would like to thank those on the Board who served for 1999, especially Dick Holleman, the immediate past chair, for his leadership into the new millennium. His service to the Board has been exemplary, as has the work of the dedicated IEEE Standards staff in Piscataway. Even now, my new job has been made easier with the continuing support of Dick and the staff.

As for the new officers and chairs, let me introduce you to them. First, my Vice Chair is Jim Carlo (jcarlo@ti.com), who was elected by the Board at its 30 March meeting. Jim was the chair of the New Standards Committee (NesCom) last year. The standing committee chairs are Jim Moore (James.W.Moore@ieee.org) of the Standards Review Committee (RevCom), Lowell Johnson (lowell.johnson@unisys.com) of NesCom, Bob Kennelly (b.kennelly@ieee.org) of the Procedures Committee (ProCom), Jim Gurney (jim.gurney@bhydro.bc.ca) of the Audit Committee (AudCom), and Jerry Peterson (ghpeterson@lucent.com) of the Patent Committee (PatCom). I have given the important task of coordinating the efforts of the standards coordinating committees (SCCs) to Harry Epstein (HENENG@aol.com), who will report directly to the Board. These volunteers will lead our major committees. In addition, I have appointed John Posey (j.b.posey@ieee.org) as Board Parliamentarian and Daleep Mohla (mohladc@ucarb.com) as Board Visits Follow-up Coordinator. Daleep's first task is to continue the dialogue with those from Singapore, which started as a result of the

Board's January meeting there. Finally, there is Past Chair, Dick Holleman (holleman@us.ibm.com), who has already provided me with sage advice as I chair the Board this year. They are an outstanding team, all dedicated to using electronic tools to ease the processing and increase the timeliness of our standards approval process.

To further punctuate our commitment to timely approval of standards, I have given the job of coordinating the use of electronic tools to Jim Carlo. Jim has the help of Jodi Haasz (j.haasz@ieee.org), NesCom Administrator, who already introduced a near-paperless Board meeting in March, using an electronic, linked agenda to the associated reference documentation. This will, in fact, move to full implementation by the next meeting—all to help facilitate the move to a "continuous approval" process the Board can exercise between meetings, as well as during Board meetings.

Now for the challenges—with our team of officers, Board members, standing committee chairs, and their able committee members, we will focus on working with the sponsors to be sure that their standards "product" is on the street as soon as possible, with a minimum of delay due to the Board review process. I offer an invitation to contact me directly by e-mail (d.heirman@worldnet.att.net) if you have constructive suggestions for further improvements to our standards review process. The team also will work with the IEEE-SA Board of Governors on the strategic initiatives of globalization, IEEE society relations, new products and services, and Standards Association membership development. I will discuss these in later issues of the *IEEE-SA Standards Bearer*.

Good luck to us all and happy standards work for the new millennium!

RevCom Moving to Electronic Submittal Process

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RevCom has also been working with the IEEE Standards Balloting Center to produce PDF files of the ballot summaries. These will be available for all ballots conducted after the June 2000 RevCom meeting, and should be used for all submittals commencing with the September 2000 RevCom meeting. In the future, coordination verification information will also be presented in electronic format.

As the New Standards Committee (NesCom) has been using an electronic form for submittal of PARs for the past year, all sponsors who submitted an electronic PAR form to NesCom will be able to submit the approved PAR in electronic form to RevCom.

Some of the supporting documentation, such as handwritten ballots and paper correspondence with balloters, will have to be scanned for conversion to electronic form. Since scanning is time consuming, and because scanned files tend to be very large, it

is preferable to use an electronic source file to produce a PDF file whenever possible. However, for those documents for which no electronic source file exists or is readily obtainable, a scanned copy of a paper document is acceptable. The required format for scanned files is PDF.

Standards developers should be aware that the IEEE Standards Balloting Center offers the option to conduct ballots electronically. For electronic ballots, both the distribution of ballot drafts and the collection of ballots and comments is performed using the World Wide Web. The advantage of this process is that the delays and expenses associated with paper mailings are eliminated, and the comments from balloters are captured in electronic form. Standards development groups are encouraged to use the electronic ballot process. Standards developers are also encouraged to collect comments via electronic means even when a ballot is conducted by distributing paper ballots and

drafts. For more information about electronic balloting, contact the IEEE Standards Balloting Center by e-mail at sa-ballot@ieee.org.

RevCom's overall goal is to have all documentation submitted in electronic form beginning with the December 2000 meeting. The members of RevCom and the RevCom Administrator stand ready to assist standards developers in meeting this goal. This process should help reduce the required review time (resulting in a relaxed deadline for submittals) and eventually lead to a continuous review cycle, wherein standards developers won't have to wait three months for the next RevCom meeting to get their standard approved. It will save a few trees, too.

Please send your comments about the electronic submittal process to: stds-revcom@ieee.org, and check the URL <http://standards.ieee.org/board/rev/index.html> for current information.

Howard Frazier is a member of the IEEE-SA Standards Board Review Committee.

STANDARDS



BEARER

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IEEE-SA STANDARDS BOARD



Piscataway, NJ

APPROVED PARS FOR NEW STANDARDS

P802.1X (C/LM) Port Based Network Access Control

P802.11e (C/LM) Supplement to Standard [for] Information Technology—Telecommunications and Information Exchange Between Systems—LAN/MAN Specific requirements—Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Medium Access Method (MAC) Enhancements

P802.11f (C/LM) Recommended Practices for Multi-Vendor Access Point Interoperability via Inter-Access Point Protocol Across Distribution Systems Supporting IEEE 802.11 Operation

P802.15.3 (C/LM) Standard for Telecommunications and Information Exchange Between Systems—LAN/MAN Specific Requirements—Part 15: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN)

P802.16.3 (C/LM) Telecommunications and Information Exchange Between Systems—LAN/MAN Specific Requirements—Air Interface for Fixed Broadband Wireless Access Systems in Licensed Bands from 2 to 11 GHz

P1073.3.2a (EMB/MIB) Standard for Medical Device Communications, Transport Profile, IrDA Based, Amendment to Add an Annex on High Reliability Connectors Use

P1413.1 (SCC37) Guide for Selecting and Using Reliability Predictions based on IEEE 1413

P1484.9 (C/LTSC) Standard for Information Technology—Learning Technology—Localisation

P1567 (IA/PCI) Guide for Applying Safer Electrical Systems Design Options

PC37.13.1 (PE/SWG) Standard for Definite Purpose Switching Devices for Use in Metal Enclosed Low-Voltage Power Circuit Breaker Switchgear

PC37.117 (PE/PSR) Guide for the Application of Protective Relays Used for Abnormal Frequency Load Shedding and Restoration

PC57.91-1995/Cor 1-200x (PE/TR) Corrigenda for C57.91-1995, Guide for Loading Mineral-Oil-Immersed Transformers

REVISED PARS

P404 (PE/IC) Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2500–500 000 V

P1149.1 (C/TT) Standard Test Access Port and Boundary Scan Architecture

P1212 (C/MM) Standard Control and Status Register (CSR) Architecture for Microcomputer Buses

P1232 (SCC20) Standard for Artificial Intelligence Exchange and Service Tie to All Test Environments (AI-ESTATE)

P1244 (C/SS) Guide for Storage System Design

P2003.1b (C/PA) Standard for Information Technology—Test Methods Specifications for Measuring Conformance to POSIX[®]—Part 1: System Application Program Interface (API)—Amendment 1: Realtime Extension [C Language]

PC37.20.7 (PE/SWG) Guide for Testing Medium-Voltage Metal-Enclosed Switchgear for Internal Arcing Faults

PARS FOR REVISIONS OF STANDARDS

P16 (VT) Standard for Electrical and Electronic Control Apparatus on Rail Vehicles

P98 (SCC4) Standard for the Preparation of Test Procedures for the Thermal Evaluation of Solid Electrical Insulating Materials

P1057 (IM/WM&A) Standard for Digitizing Waveform Recorders

P1106 (SCC29) Recommended Practice for Installation, Maintenance, Testing, and Replacement of Vented Nickel-Cadmium Batteries for Stationary Applications

PC37.29 (PE/SWG) Standard for LV AC Power Circuit Protectors Used in Enclosures

PARS ADMINISTRATIVELY WITHDRAWN

P1101.4a (C/BA) Supplement to 1101.4, IEEE Standard for Military Module, Format E Form Factor—Errata and Clarifications

P1101.4b (C/BA) Mechanical Standard—Extension for Conduction Cooled Modules, Format E Form Factor—372 Pin Connector

P1101.5 (C/BA) Mechanical Standard for Air-Flow-Through Cooled Modules, Format E Form Factor

P1101.6 (C/BA) Mechanical Standard for Air-Flow-Through Cooled Modules, 10SU Form Factor

P1101.8 (C/BA) Mechanical Standard for Liquid-Flow-Through Cooled Modules, 10SU Form Factor

P1101.9 (C/BA) Mechanical Standard for Liquid-Flow-Through Cooled Modules, Format E Form Factor

WITHDRAWN PARS

P729 (C/SE) Standard for Software Engineering Technology—Fundamental Terms

P1484.4 (C/LTSC) Standard for Information Technology—Learning Systems—Task Model

REACTIVATED PARS THAT WERE ADMINISTRATIVELY WITHDRAWN AT THE JANUARY 2000 MEETING

P539 (PE/T&D) Standard Definitions of Terms Relating to Corona and Field Effects of Overhead Power Lines

P1073.1.2 (EMB/MIB) Standard for Medical Device Communications—Medical Device Data Language (MDDL)—Virtual Medical Device, Generalized

P1073.1.3 (EMB/MIB) Standard for Medical Device Communications—Medical Device Data Language (MDDL)—Virtual Medical Device, Specialized

P1073.1.3.1 (EMB/MIB) Standard for Medical Device Communications—Medical Device Data Language (MDDL)—Virtual Medical Device, Specialized—Infusion Device

P1073.1.3.2 (EMB/MIB) Standard for Medical Device Communications—Medical Device Data Language (MDDL)—Virtual Medical Device, Specialized—Vital Signs Monitor

P1073.1.3.3 (EMB/MIB) Standard for Medical Device Communications—Medical Device Data Language (MDDL)—Virtual Medical Device, Specialized—Ventilator

P1073.2.2 (EMB/MIB) Standard for Medical Device Communications—Application Profile-Basic Capabilities

P1305 (C/VI) Recommended Practice for the Definition of Terms for Artificial Neural Networks

P1431 (AES/GA) Standard Specification Format Guide and Test Procedure for Coriolis Vibratory Gyros

PC37.92 (PE/PSR) Standard for Low-Energy Analog Signal Inputs to Protective Relays

NEW STANDARDS

802.5w (C/LM) Corrigenda to Standard for Information Technology—Telecommunications and Information Exchange Between Systems—LAN/MAN—Part 5: Token Ring Access Method and Physical Layer Specifications

30 March 2000

1394a (C/MM) Standard for a High-Performance Serial Bus (Amendment)

1476 (VT) Standard for Passenger Train Auxiliary Power Systems Interfaces

1483 (VT) Standard for the Verification of Vital Functions in Processor-Based Systems Used in Rail Transit Control

1515 (PEL) Recommended Practice for Electronic Power Subsystems: Parameter Definitions, Test Conditions, and Test Methods

2003.1b (C/PA) Standard for Information Technology—Test Methods Specifications for Measuring Conformance to POSIX[®]—Part 1: System Application Program Interface (API)—Amendment 1: Realtime Extension [C Language]

REVISED STANDARDS

286 (PE/EM) Recommended Practice for the Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation

475 (EMC/SC) Standard Measurement Procedure for Field Disturbance Sensors, 300 MHz to 40 GHz

1013 (SCC21) Recommended Practice for Sizing Lead-Acid Batteries for Photovoltaic (PV) Systems

1115 (SCC29) Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications

1205 (PE/NPE) Guide for Assessing, Monitoring, and Mitigating Aging Effects on Class 1E Equipment Used in Nuclear Power Generating Stations

C37.96 (PE/PSR) Guide for AC Motor Protection

REAFFIRMATION

260.3-1993 (SCC14) American National Standard Mathematical Signs and Symbols for Use in Physical Sciences and Technology

664-1993 (PE/T&D) Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors

739-1995 (IA/ES) Recommended Practice for Energy Management in Industrial and Commercial Facilities

1303-1994 (PE/SUB) Guide for Static VAR Compensator Field Tests

2003.1-1992 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to POSIX[®]—Part 1: System Interfaces

C62.92,2-1989 (R1994) (PE/SPD) Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part II—Grounding of Synchronous Generator Systems

CONDITIONS MET

43 (PE/EM) Recommended Practice for Testing Insulation Resistance of Rotating Machinery

111 (PEL/ET) Standard for Wide-Band (Greater Than 1 Decade) Transformers

C37.91 (PE/PSR) Guide for Protective Relay Applications to Power Transformers

C62.62 (PE/SPD) Standard Test Specifications for Surge-Protective Devices for Low-Voltage AC Power Circuits

TRIAL-USE STANDARD UPGRADE TO FULL-USE

1276-1997 (PE/TR) Trial-Use Guide for the Application of High Temperature Insulation Materials in Liquid-Immersed Power Transformers

THE IEEE-SA STANDARDS BOARD ADMINISTRATIVELY WITHDREW THE FOLLOWING STANDARDS ON 5 MARCH 2000:

83-1963 (R1991) (PE/IC) Test Procedure for Radial Power Factor Tests on Insulating Tapes in Paper-Insulated Power Cable

152-1991 (BT/AV) Standard for Audio Program Level Measurement

155-1960 (R1990) (CAS) Standards on Circuits: Definitions of Terms for Linear Signal Flow Graphs

156-1960 (R1990) (CAS) Standards on Circuits: Definitions of Terms for Linear Passive Reciprocal Time Invariant Networks

176-1987 (UFFC) Standard on Piezoelectricity

281-1984 (R1994) (PE/PSC) Standard Service Conditions for Power System Communication Equipment

444-1973 (R1992) (IA/ID) Standard Practices and Requirements for Thyristor Converters for Motor Drives: Part 1—Converters for DC Motor Armature Supplies

455-1985 (R1992) (COM/TRANS) Standard Test Procedure for Measuring Longitudinal Balance of Telephone Equipment Operating in the Voice Band

469-1988 (R1994) (COM) Recommended Practice for Voice-Frequency Electrical-Noise Tests of Distribution Transformers

500 P&V-1984 (PE/NPE) Standard Reliability Data for Pumps and Drivers, Valve Actuators, and Valves Excerpted from ANSI/IEEE Std 500-1984

597-1983 (R1992) (IA/ID) Standard Practices and Requirements for General Purpose Thyristor DC Drives

610.3-1989 (C/SCC) Standard Glossary of Modeling and Simulation Terminology

610.4-1990 (C/SCC) Standard Glossary of Image Processing and Pattern Recognition Terminology

610.5-1990 (C/SCC) Standard Glossary of Data Management Terminology

610.6-1991 (C/SCC) Standard Glossary of Computer Graphics Terminology

610.10-1994 (C/SCC) Standard Glossary of Computer Hardware Terminology

610.13-1993 (C/SCC) Standard Glossary of Computer Languages

695-1990 (C/MM) Standard for Microprocessor Universal Format for Object Modules

762-1987 (R1992) (PE/PSE) Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity

775-1993 (DEI/RE) Guide for Designing Multistress Aging Tests of Electrical Insulation in a Radiation Environment

789-1988 (R1994) (PE/PSC) Standard Performance Requirements for Communications and Control Cables for Application in High Voltage Environments

799-1987 (R1992) (PE/TR) Guide for Handling and Disposal of Transformer Grade Insulating Liquids Containing PCBs

802.9-1994 (C/LM) Local and Metropolitan Area Networks: IEEE Standard for Integrated Services (IS) LAN Interface at the Medium Access Control (MAC) and Physical (PHY) Layers

[Also affected are 802.9a-1995 LAN/MAN: 802.9 Supplement, IEEE Standard Specification of ISLAN 16-T (Supplement to 802.9-1994.); and 802.9c-1995 LAN/MAN: 802.9 Supplement, IEEE Standard Managed Object Conformance Statement (MOCS) Proforma; and 802.9d-1995 LAN/MAN: 802.9 Supplement, IEEE Standard Protocol Implementation Conformance Statement (PICS) Proforma]

817-1993 (PE/IC) Standard Test Procedure for Flame-Retardant Coatings Applied to Insulated Cables in Cable Trays

858-1993 (PE/PSE) Standard Definitions in Power Operations Terminology

859-1987 (R1993) (PE/PSE) Standard Terms for Reporting and Analyzing Outage Occurrences and Outage States of Electrical Transmission Facilities

978-1984 (R1990) (PE/T&D) Guide for In-Service Maintenance and Electrical Testing of Live-Line Tools

1016.1-1993 (C/SE) Guide to Software Design Descriptions

1037-1992 (UFFC) Standard Terms and Definitions for Surface Acoustic Wave (SAW) Devices

1042-1987 (R1993) (C/SE) Guide to Software Configuration Management

1057-1994 (IM/WM&A) Standard for Digitizing Waveform Recorders

1059-1993 (C/SE) Guide for Software Verification and Validation Plans

1154-1991 (C/MM) Standard for Programmed Inquiry, Learning, or Teaching (PILOT)

1181-1991 (ED) Recommended Practice for Latchup Test Methods for CMOS and BiCMOS Integrated-Circuit Process Characterization

1194-1991 (C/MM) Standard for Backplane Electrical Performance

1196-1987 (C/MM) Standard for a Simple 32-Bit Backplane Bus: NuBus

1221-1993 (DEI/FHA) Guide for Fire Hazard Assessment of Electrical Insulating Materials in Electrical Power Systems

1224-1993 (C/PA) Standard for Information Technology—Open Systems Interconnection (OSI) Abstract Data Manipulation—Application Program Interfaces (API) [Language Independent]

1224.1-1993 (C/PA) Standard for Information Technology—X.400-Based Electronic Messaging—Application Program Interface (API) [Language Independent]

1224.2-1993 (C/PA) Standard for Information Technology—Directory Services—Application Programming Interface (API) [Language Independent]

1238.1-1994 (C/PA) Standard for Information Technology, OSI Application Program Interfaces—File Transfer, Access, and Management [C Language]

1295-1993 (C/SCC) Standard for Information Technology—X Window System—Modular Toolkit Environment (MTE)

1326-1993 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to Open Systems Interconnection (OSI) Abstract Data Manipulation—Application Program Interface (API) [Language Independent]

1326.1-1993 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to X.400 Based Electronic Messaging Application Program Interfaces (API) [Language Independent]

1326.2-1993 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to Directory Services—Application Program Interface (API) [Language Independent]

1327-1993 (C/PA) Standard for Interconnection (OSI) Abstract Data Manipulation C Language Interfaces—Binding for Application Program Interfaces (API)

1327.1-1993 (C/PA) Standard for Information Technology—X.400 Based Electronic Messaging C Language Interfaces—Binding for Application Program Interfaces (API)

1327.2-1993 (C/PA) Standard for Information Technology—Directory Services C Language Interfaces—Binding for Application Program Interface (API)

1328-1993 (C/PA) Standard for Information

Technology—Test Methods for Measuring Conformance to Open Systems Interconnection (OSI) Abstract Data Manipulation C Language Interfaces—Binding for Application Program Interface (API)

1328.1-1993 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to X.400 Based Electronic Messaging C Language Interfaces—Binding for Application Program Interfaces (API)

1328.2-1993 (C/PA) Standard for Information Technology—Test Methods for Measuring Conformance to Directory Services C Language Interfaces—Binding for Application Program Interface (API)

1351-1994 (C/PA) Standard for Information Technology—ACSE and Presentation Layer Services—Application Program Interface (API) [C Language Independent]

1353-1994 (C/PA) Standard for Information Technology—ASCE and Presentation Layer Services—Application Program Interface (API) [C Language Binding]

C57.12.26-1992 (PE/TR) Standard for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers for Use with Separable Insulated High-Voltage Connectors (34 500 GrdY/19 920 Volts and Below, 2500 kVA and Smaller)

C62.1-1989 (R1994) (PE/SPD) Standard for Gapped Silicon-Carbide Surge Arresters for AC Power Circuits

C62.2-1989 (R1994) (PE/SPD) Guide for the Application of Gapped Silicon-Carbide Surge Arresters for Alternating Current Systems

THE FOLLOWING STANDARDS, SPONSORED BY THE BUS ARCHITECTURE STANDARDS COMMITTEE OF THE COMPUTER SOCIETY, WERE ADMINISTRATIVELY WITHDRAWN BY THE IEEE-SA STANDARDS BOARD ON 1 MAY 2000:

896.9-1994 Standard for Fault Tolerant Extensions to the Futurebus+® Architecture

1014.1-1994 Standard for a Futurebus+®/VME64 Bridge

1275-1994 Standard for Boot (Initialization Configuration) Firmware: Core Requirements and Practices

1275.1-1994 Standard for Boot (Initialization Configuration) Firmware: Instruction Set Architecture (ISA) Supplement for IEEE Std 1754

1275.2-1994 Standard for Boot (Initialization Configuration) Firmware: Bus Supplement for IEEE Std 1496 (SBUS)

1496-1993 Standard for a Chip and Module Interconnect Bus: Sbus

ABBREVIATIONS

AES/GA	Aerospace and Electronic Systems /Gyro Accelerometer Panel
BT/AV	Broadcast Technology/Audio and Visual Techniques
C/BA	Computer/Bus Architecture
C/LM	C/LAN MAN
C/LT	C/Learning Technology
C/MM	C/Microprocessors & Microcomputers
C/PA	C/Portable Applications
C/SCC	C/Standards Coordinating Committee
C/SE	C/Software Engineering
C/SS	C/Storage Systems
C/TT	C/Test Technology
C/VI	C/Virtual Intelligence
CAS	Circuits and Systems
COM	Communications
COM/TRANS	COM/Transmissions Systems
DEI/FHA	Dielectrics and Electrical Insulation /Fire Hazard Assessment
DEI/RE	DEI/Radiation Effects
ED	Electron Devices
EMB/MIB	Engineering in Medicine and Biology/ Medical Information Bus
EMC	Electromagnetic Compatibility
IA/ES	Industry Applications/Energy Systems
IA/ID	IA/Industrial Drives
IA/PCI	IA/Petroleum & Chemical
IM/WM&A	Instrumentation & Measurement/ TC10-Waveform Measurement and Analysis
PE/EM	Power Engineering/Electric Machinery
MDDL	Medical Devices Data Language
PE/IC	PE/Insulated Conductors
PE/NPE	PE/Nuclear Power Engineering
PE/PSC	PE/Power System Communications
PE/PSE	PE/Power System Engineering
PE/PSR	PE/Power System Relaying
PE/SPD	PE/Surge Protective Devices
PE/SUB	PE/Substations
PE/SWG	PE/Switchgear
PE/T&D	PE/Transmission & Distribution
PE/TR	PE/Transformers
PEL	Power Electronics
PEL/ET	PEL/Electronic Transformers
SCC04	Electrical Insulation
SCC14	Quantities, Units, and Letter Symbols
SCC20	Test and Diagnosis for Electric Systems
SCC21	Photovoltaics
SCC29	Stationary Batteries
SCC37	Reliability
UFFC	Ultrasonics, Ferroelectrics, and Frequency Control
VT	Vehicular Technology

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IEEE Std 14143.1-2000, Implementation Note for IEEE Adoption of ISO/IEC 14143-1:1998 Information Technology—Software Measurement—Functional Size Measurement—Part 1: Definition of Concepts, **James W. Moore**

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Awards Spotlight

IEEE-SA Enhances Web Training Tools

The IEEE-Standards Association (IEEE-SA) recently added five new training presentations to its online Leadership Training Modules. Geared toward standards developers, the new presentations address the Project Authorization Request (PAR) form, IEEE Standards and *Robert's Rules of Order*, standards balloting, the invitation to ballot, and the role of the IEEE Standards staff. Available in Microsoft PowerPoint at <ftp://stdsbbs.ieee.org/training>, the Leadership Training Modules are brief but comprehensive presentations that discuss particular IEEE Standards' services, programs, and procedures. Other presentations available include

- Writing Committee/Working Group Procedures
- Intellectual Property in Standards

- Terminology
- Role of the IEEE Standards Staff Liaison
- Role of the IEEE Standards Staff Project Editor
- Role of the IEEE-SA Standards Board

The most up-to-date list of training information for standards developers and the IEEE-SA standards process and programs can be found at <http://standards.ieee.org/faqs/ltpres.html>.

IEEE Millennium Medals Awarded

As part of its celebration of the third millennium, the IEEE awarded approximately 3000 IEEE Millennium Medals and certificates to IEEE members who have been selected by IEEE societies, sections, regions, and major boards for outstanding contributions in their respective areas of activity. Presentations of the medals will take place throughout the year 2000.

The IEEE Standards Association congratulates the recipients of the IEEE Millennium Award for their work in IEEE standards development. The recipients are Bruce Barrow, Sid Bennett, Gary Engmann, Donn Terry, and the 802 Committee of the IEEE Computer Society.

Notice of Termination of US TAG for ISO/IEC JTC1 on Microprocessor Systems

On 5 November 1999, the Committee ISO/IEC JTC1 on Information Technology formally disbanded its Subcommittee SC26 on Microprocessor Systems. The IEEE has been the administrator of the U.S. Technical Advisory Group (TAG) for JTC1/SC26 (SC26 TAG). With the disbanding of JTC1/SC26, the SC26 TAG must also be terminated. In accordance with the IEEE JTC1-TAG Procedures, the IEEE TAG Administrator hereby provides public notice that the SC26 TAG has been terminated.

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VoiceXML Forum Chooses IEEE-ISTO

The IEEE Industry Standards and Technology Organization (IEEE-ISTO) recently announced that it has been selected by the VoiceXML (Voice eXtensible Markup Language) Forum (www.voicexml.org) to facilitate its future activities. This is the fifth technology development program to become associated with the IEEE through the IEEE-ISTO.

Dan Furman, President of Lucent Speech Solutions, said, “Engaging the IEEE-ISTO to handle the VoiceXML Forum’s day-to-day activities allows us to focus on what we do best—developing technology. The ISTO will help ensure that the Forum can be as responsive as possible in communicating with the industry.”

In a 7 March 2000 press release (<http://www.voicexml.org/pr20000307-1.html>), the Forum announced it has completed the VoiceXML 1.0 specification, which is expected to expand the reach of the Internet by providing voice access to content and services. The objective of the VoiceXML Forum is to expand Internet access

through telephones and other devices using both speech and ordinary touch-tone user interfaces.

The VoiceXML Forum, formed in March 1999, is an industry organization founded by AT&T, IBM, Lucent Technologies, and Motorola. The founding companies have contributed their respective voice and phone markup languages in creating the specification. The growing membership of the Forum is now at 140 companies. On the basis of the 0.9 version of the specification that was released last year, many companies have already begun implementing VoiceXML in their products and services, and a market for third-party VoiceXML application development has begun to emerge.

The full text of the 8 March 2000 IEEE-ISTO press release can be accessed at http://www.ieee-isto.org/voicexml_isto_8mar00.html.

For more information, visit <http://www.ieee-isto.org> or contact Peter Lefkin, IEEE-ISTO Secretary Treasurer and CFO, at **+1 732 981 3434** or ieee-isto@ieee.org.

IEEE Standards Now Recognized as References for ITU-T Standards

A milestone for relations between the IEEE Standards Association (IEEE-SA) and the Telecommunications Standardization Sector of the International Telecommunications Union (ITU-T) was recently achieved when it was announced that IEEE standards are now recognized as references for ITU-T standards.

In January 2000, the ITU-T confirmed that the IEEE is now a standards-development organization accepted for cooperation and exchange of information,

and that its standards may be included as references in ITU-T standards, according to the provisions of ITU-T Recommendations A.5 and A.6. These recommendations detail the procedures and rules by which the standards documents can be shared.

A key part of Recommendations A.5 and A.6 is the principle that information can be shared between organizations, and that IEEE and ITU-T can use each other’s standards as source material, pending appropriate copyright agreements. The recognition of IEEE standards in ITU-T

standards also serves to demonstrate further IEEE’s visibility as a global standards-developing organization.

“This action from ITU-T is in keeping with the direction the standards community needs to be taking now,” said Judith Gorman, Managing Director of IEEE Standards Activities. “Standards bodies with niche expertise, who bring in technical participants from all over the world, should have appropriate standards identified and recognized by such organizations as ITU, IEC, ISO, and, ultimately, the WTO.”