



Industry Standards Activity Overview

TIA

Most Recent Plenary Meeting: February 1 – 5, 2010 in Palm Springs, CA
Updated: April 23, 2010

TR-42.1 Commercial Building Cabling:

TSB-185	Environmental Classification (MICE) Tutorial	Approved for Publication
ANSI/TIA-862-A	Building Automation Systems Cabling Standard	Circulating for Default Ballot
ANSI/TIA-1179	Healthcare Facility Telecommunications Cabling Standard	Circulating for Default Ballot
ANSI/TIA-568-C.0-1	Generic Telecommunications Cabling for Customer Premises-Addendum 1, Updated Reference for Balanced Twisted-Pair Cabling	Circulating for Default Ballot
ANSI/TIA-942-A	Telecommunications Infrastructure Standard for Data Centers	Circulating for Committee Ballot

TR-42.2 Residential Infrastructure:

ANSI/TIA-570-B	Residential Telecommunications Infrastructure	Affirmed for re-publication
ANSI/TIA-570-C	Residential Telecommunications Infrastructure	Under Development

TR-42.3 Pathways and Spaces:

ANSI/TIA-569-C	Commercial Building Standard for Telecommunications Pathways and Spaces	Circulating for Committee Ballot
ANSI/TIA-568-C.1-1	Commercial Building Telecommunications Cabling Standard, Addendum 1 Pathway and Spaces	Circulating for Committee Ballot

TR-42.4 Outside Plant:

ANSI/TIA-758-B	Customer-Owned Outside Plant Telecommunications Infrastructure Standard	Circulating for Committee Ballot
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TR-42.5 Terms and Symbols:

ANSI/TIA-440-B	Fiber Optic Terminology	Affirmed for re-publication
Working Document	Compilation of Definition of Terms, Acronyms, and Abbreviations, Units of Measure, and Symbols	Under Development

TR-42.6 Infrastructure Administration:

ANSI/TIA-606-B	Administration Standard for Commercial Telecommunications Infrastructure	Under Development
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TR-42.7 Copper Cabling:

ANSI/TIA-568-C.2	Balanced Twisted-Pair Telecommunications Cabling and Components Standard	Approved for Publication
ANSI/TIA-1152	Requirements for Field Test Instruments	Approved for Publication
TSB-155-A	Guidelines for the Assessment and Mitigation of Installed Category 6 Cabling to Support 10GBASE-T	Approved for Publication
ANSI/TIA-568-C.4	Broadband Coaxial Cabling and Components Standard	Circulating for Committee Ballot
TSB-190	Guidelines on Shared Pathways and Shared Sheaths	Circulating for Committee Ballot
New Project - TSB	Mode Conversion Parameters for Balanced Twisted-Pair Cabling	Under Development

TR-42.8 Optical Fiber Cabling (Disbanded):

TIA-492AAAD	Detail specification for OM4 850-nm laser-optimized, 50- μ m core diameter/125- μ m cladding diameter class Ia graded-index multimode optical fibers	Approved for Publication
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TR-42.9 Industrial Infrastructure:

ANSI/TIA-1005-A	Telecommunications Infrastructure Standard for Industrial Premises	Circulating for Committee Ballot
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TR-42.11 Optical Fiber Systems:

TIA-455-243	FOTP-243: Single-ended PMD test method	Approved for Publication
TSB-178	Launch Condition Guidelines for Measuring Attenuation of Installed Multimode Cabling	Withdrawn
TIA-526-14-B	Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant	Circulating for Industry Ballot

TR-42.12 Optical Fibers and Cables:

FOTP-28	Dynamic Tension	Under Development
FOTP-7	Numerical Aperture	Under Development
FOTP-80	Patch Cord Wavelength	Under Development
FOTP-244	Expressed Tube Cycling	Under Development
TIA-455-122-B	FOTP-122: IEC 60793-1-48: Optical Fibres-Part 1-48: Measurement Methods and Test Procedures-Polarization Mode Dispersion	Circulating for Industry Ballot
TIA-472G000	ICEA S-112-718-2008 - Standard for Optical Fiber for Placement in Sewer Environments	Circulating for Industry Ballot

TR-42.13 Passive Optical Devices and Components:

TIA/EIA-455.11-D	Vibration Test Procedure for Fiber Optic Components and Cables	Circulating for Committee Ballot
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TR-42.16 Grounding and Bonding:

ANSI/TIA-607-B

Telecommunications Grounding (Earthing) and Bonding for Customer Premises

Circulating for Industry Ballot

IEEE

Most Recent Plenary Meeting: March 15 - 16, 2010 in Orlando, FL

Updated: April 30, 2010

802.3at DTE Power Enhancements Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment 3: Data Terminal Equipment (DTE) Power via the Media Dependent Interface (MDI) Enhancements

Approved for Publication

802.3av 10 Gb/s EPON Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment 1: Physical Layer Specifications and Management Parameters for 10 Gb/s Passive Optical Networks

Approved for Publication

802.3az Energy Efficient Ethernet Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment: Media Access Control parameters, Physical Layers and management parameters for Energy-Efficient Ethernet

Draft 3.0 Circulating for Sponsor Ballot

802.3ba 40Gb/s and 100Gb/s Ethernet Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 40 Gb/s and 100 Gb/s Operation

Submitted to RevCom for approval

802.3bc Ethernet Organizationally Specific Type, Length, Value (TLVs) Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment 2: Ethernet Organizationally Specific Type, Length, Value (TLVs)

Approved for Publication

802.3bd MAC Control Frame for Priority-based Flow Control Project Task Force:

IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment: MAC Control Frame for Priority-based Flow Control

Draft 2.0 Circulating for Sponsor Ballot

802.3.1 (802.3be) Ethernet MIB's Task Force:

Standard for Management Information Base (MIB) definitions for Ethernet

Draft 2.0 Circulating for Working Group Ballot

802.3bf Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Study Group:

Standard for Information technology--Telecommunications and information exchange between systems--Local and metropolitan area networks--Specific requirements

Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications

Amendment: Media Access Control (MAC) service interface and management parameters to support time synchronization protocols

Draft 0.21 circulating for Task Group Review

40Gb/s Ethernet Single-mode Fiber PMD Study Group:

Title under development

PAR, Objectives, and 5 Criteria pending approval by IEEE 802.3 Working Group

ISO/IEC JTC 1/SC 25/WG 3 - Customer Premises Cabling

Most Recent Meeting: February 22-26 2010 in Buenos Aires, Argentina

Updated: April 4, 2010

ISO/IEC Standards:

ISO/IEC 11801 Amd. 2 Ed 2.0	Information technology -- Generic cabling for customer premises -- Amendment 2	Approved for publication
ISO/IEC 29125	Information technology – Telecommunications cabling guidelines for remote powering of terminal equipment	Circulating for comments
ISO/IEC 24764	Information technology — Generic cabling systems for data centres	Approved for publication
ISO/IEC 14763-2 Ed 1.0	Information technology - Implementation and operation of customer premises cabling - Part 2: Planning and installation	Circulating for comments
ISO/IEC 14763-2-1 Ed 1.0	Information technology -- Implementation and operation of customer premises cabling -- Part 2-1: Planning and installation of copper cabling - Identifiers within administration systems	Approved as new work project
ISO/IEC 14763-3 Amd 1 Ed 1.0	Amendment 1 - Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling	Approved
ISO/IEC 14763-3 Ed 2.0	Information technology -- Implementation and operation of customer premises cabling -- Part 3: Testing of optical fibre cabling	Approved as new work project

IEC SC 48B - Connectors

Most Recent Meeting: September 22-24, 2009 in Kista, Sweden

Updated: April 6, 2010

IEC 60603-7 Series Standards:

IEC 60603-7-41, Ed 1.0	Connectors for electronic equipment - Part 7-41: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmission with frequencies up to 500 MHz	Circulating for Comments
IEC 60603-7-51, Ed. 1.0	Connectors for electronic equipment - Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz	Circulating for Comments
IEC 60603-7-71, Ed 1.0	Connectors for electronic equipment - Part 7-71: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 1000 MHz	For information
Proposed Amendment to IEC 60603-7 series standards		Circulating for Comments

IEC 61076 Series Standards:

IEC/PAS 61076-2-109 Ed 1.0	Connectors for electronic equipment - Product requirements - Part 2-109: Circular connectors - Detail specification for connectors M 12 x 1 with screw-locking, for data transmissions with frequencies up to 500 MHz	Circulating for Comments
IEC 61076-2-108 Ed 1.0	Connectors for electronic equipment - Product requirements - Part 2-108: Circular connectors - Detail specification for connectors M 12 x 1 with screw-locking, for data transmissions with frequencies up to 500 MHz	Circulating for Comments
IEC 61076-2-106 Ed 1.0	Connectors for electronic equipment - Product requirements - Part 2-106: Circular connectors - Detail specification for connectors m 16 x 0,75 with screw-locking and degree of protection ip40 or ip65/67	Circulating for Comments
IEC61076-2-001 Ed 2.0	Connectors for electronic equipment - Product requirements - Part 2-109: Circular connectors - Detail specification for connectors M 12 x 1 with screw-locking, for data transmissions with frequencies up to 500 MHz	Circulating for Comments
IEC 61076-2 Ed 2.0	Connectors for electronic equipment - Product requirements - Part 2-106: Circular connectors - Detail specification for connectors m 16 x 0,75 with screw-locking and degree of protection ip40 or ip65/67	Circulating for Comments
IEC 61076-3-101 Ed 1.0	Connectors with assessed quality, for use in d.c., low-frequency analogue and in digital high-speed data applications - Part 3: Rectangular connectors - Section 101: Detail specification for a range of shielded connectors with trapezoidal shaped shells and non-removable rectangular contacts on a 1,27 mm x 2,54 mm centre-line	Circulating for Comments

BICSI**Most Recent Plenary Meeting:** September 21, 2009 in Las Vegas, NV**Updated:** December 15, 2009**Bonding and Grounding Subcommittee:**

ANSI/NECA/BICSI-607-2010	Telecommunications Bonding and Grounding Planning and Installation Methods for Commercial Buildings	Final industry ballot comment resolution by January 2010, publication by June 2010
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Data Center Subcommittee:

ANSI/BICSI-002-2010	Data Center Design and Implementation Best Practices	Industry ballot comment resolution on January 17, 2010
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Electronic Safety and Security Subcommittee:

ANSI/BICSI-005	Electronic Safety and Security (ESS) System Design and Implementation Best Practices	First subcommittee meeting January 18,
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2010

Healthcare Subcommittee:

ANSI/BICSI-004	Information Transport Systems Design and Implementation Best Practices for Healthcare Institutions and Facilities	First subcommittee meeting January 18, 2010
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International Cabling Installation Subcommittee:

N/A	N/A	No activity at this time
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K-12 Education Subcommittee:

ANSI/BICSI-001-2009	Information Transport Systems Design Standard for K-12 Educational Institutions	Published March 13, 2009
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North American Cabling Installation Subcommittee:

ANSI/NECA/BICSI-568-2006	Standard for Installing Commercial Building Telecommunications Cabling	Published June 2006
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Post Secondary Education Subcommittee:

ANSI/BICSI-003	Information Transport Systems Design and Implementation Best Practices for Post-Secondary Educational Institutions	Committee draft not yet available, meeting January 17, 2010
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