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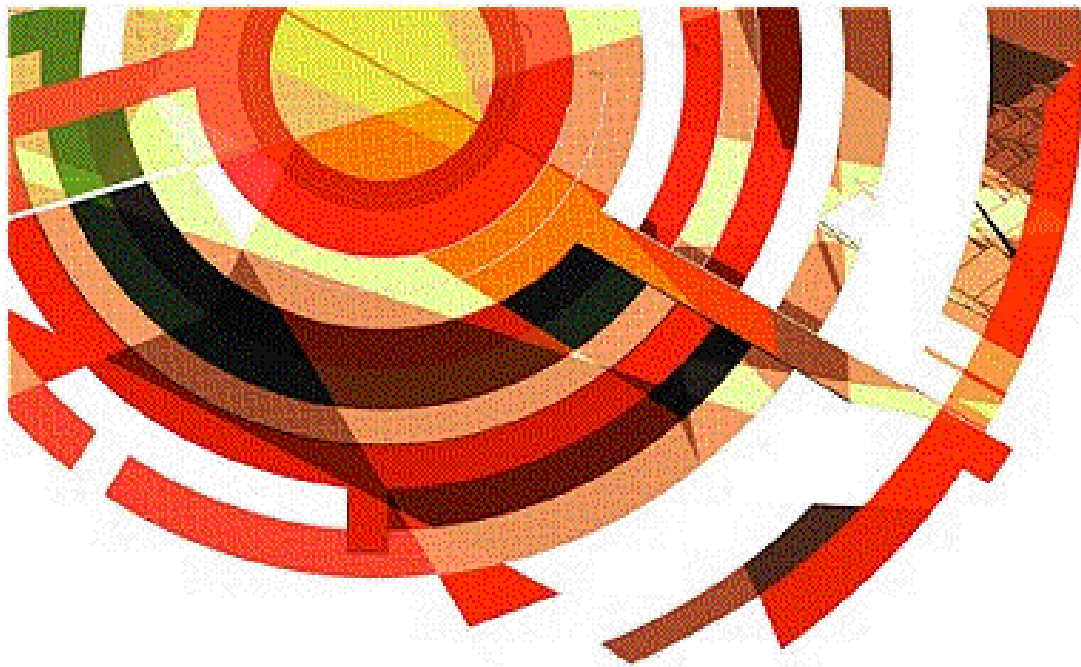


Table of Contents

MASTER NUMERIC INDEX.....	MN-1
ANTENNAS.....	1
CELLULAR.....	1
CDMA.....	1
GENERAL.....	1
INTERSYSTEM OPERATION.....	2
INTERSYSTEM STANDARDS.....	2
CELLULAR/ANALOG.....	5
BASE STATIONS.....	5
BASE STATIONS/MESSAGE PROTOCOL.....	6
BASE STATIONS/PERSONAL.....	6
E-911.....	6
ELECTRICAL/ACOUSTICAL INTEROPERABILITY.....	7
HANDSETS.....	7
HANDSETS/TDD.....	7
LAND STATION EQUIPMENT.....	7
VEHICLE CONNECTOR SPECIFICATION.....	7
VEHICLE MOUNTING.....	7
CELLULAR/CDMA.....	7
BASE STATION.....	7
BASE STATIONS.....	7
CARD APPLICATION KIT.....	8
CDMA.....	8
CONFORMANCE TESTING.....	8
DATA TRANSMISSION.....	8
DIGITAL PACKET DATA.....	8
ENHANCED VARIABLE RATE CODEC.....	9
HIGH RATE PACKET DATA.....	9
HIGH RATE PACKET DATA CONFIGURATION.....	10
HIGH RATE PACKET DATA/INTEROPERABILITY.....	10
HIGH RATE PACKET DATA/TERMINALS.....	10
HIGH RATE PACKET DATA/TESTING.....	10
INTEROPERABILITY.....	10
INTEROPERABILITY/GSM.....	11
IP NETWORK REFERENCE MODEL.....	11
IP/CONFIGURATION MANAGEMENT.....	11
MOBILE STATIONS.....	11
MULTIMEDIA MESSAGING SERVICE.....	11
MULTIMEDIA SERVICES.....	11
PARAMETER VALUES.....	11
POSITION DETERMINATION.....	11
REMOVABLE UIM.....	11
SERVICE OPTION.....	12
SERVICE OPTION/DATA.....	12
SERVICE OPTION/HIGH RATE SPEECH.....	12
SERVICE OPTION/SPEECH.....	12
SERVICE OPTION/TEST DATA.....	13
SHORT MESSAGE SERVICE.....	13
SPEECH.....	13
SYSTEM/INTEROPERABILITY.....	13
SYSTEMWIDE STANDARD.....	14
TEXT TELEPHONE.....	14
VIDEO CONFERENCING.....	14
VOICE OVER IP.....	14
CELLULAR/TDMA.....	15
AIR INTERFACE.....	15
DISCONTINUOUS TRANSMISSION.....	15
MESSAGE ENCRYPTION.....	15
MOBILE STATIONS.....	15
REMOVABLE UIM.....	15
SYSTEMWIDE STANDARD.....	15
TEXT TELEPHONE.....	16
CITIZEN'S BAND (CB) RADIO.....	16
DATA INTERCHANGE TRANSMISSION EQUIPMENT.....	17
DTE/DCE INTERFACE.....	19
EMERGENCY SERVICES (E-911).....	20
WIRELESS.....	20
FACSIMILE EQUIPMENT.....	20

Table of Contents

FIBER OPTICS	20
CABLE, COLOR CODING	20
CABLE, SPECIFICATIONS	20
CABLES	21
CLEAVING, SPECIFICATIONS	21
CONNECTORS, SPECIFICATIONS	21
CONNECTORS/RELIABILITY	22
OPTICAL FIBER SYSTEMS DESIGN	22
OPTICAL FIBER SYSTEMS TESTING	23
PASSIVE OPTICAL BRANCHING DEVICES, SPECIFICATIONS	25
SINGLE-MALE FIBER OPTIC BRANCHING DEVICES, SPECIFICATIONS	25
SPLICES	25
SPLICES, SPECIFICATIONS	25
SYMBOLS, TERMINOLOGY	26
TERMINAL DEVICES, SPECIFICATIONS	26
TEST PROCEDURES (FOTPs)	26
WAVEGUIDES, SPECIFICATIONS	42
FIBER OPTICS SYSTEM DESIGN	43
CHROMATIC DISPERSION	43
DISPERSION	44
POLARIZATION MODE DISPERSION	44
LAND MOBILE COMMUNICATIONS	44
ANTENNA SYSTEMS	44
EQUIPMENT	44
PRIVATE RADIO (APCO/PROJECT 25/102 Series)	47
MICROWAVE, POINT-TO-POINT	51
MODEMS	52
DATA MODEMS	52
FAX MODEMS	52
OPTIONAL MODEMS	52
MODEMS/PCM	52
TRANSMISSION PERFORMANCE	52
MODEMS/XDSL	53
PERSONAL COMMUNICATIONS SERVICES (PCS)	53
CELLULAR INTERSYSTEM OPERATIONS	53
INTERSYSTEM OPERATION	53
PRIVATE NETWORK TELEPHONY	53
SATELLITE	53
EARTH TERMINAL EQUIPMENT	53
INTERFERENCE CRITERIA	54
IP (INTERNET PROTOCOL)	54
SATELLITE SERVICES	54
GEOSTATION EARTH ORBIT	54
SATELLITE SERVICES	54
SURVEILLANCE	54
WIRE TAPING	54
TELEPHONES/TERMINAL EQUIPMENT	55
CALLER ID	55
CONNECTORS/POLARIZATION	55
NETWORK CHANNEL TERMINAL EQUIPMENT	55
PART 68, (FCC) GUIDELINES	55
PBX	56
PBX, WIRELESS	57
RADIO FREQUENCY IMMUNITY	57
TELEPHONES	57
TERMINALS	58
TRANSMISSION	58
TELEVISION	58
VOICE OVER IP	58
INTEROPERABILITY	58
TRANSMISSION PERFORMANCE	58
VOICE QUALITY	59
VOICE ROUTER	59
WIRING/CABLING	59
GROUNDING AND BONDING	62
OPTICAL FIBER SYSTEMS DESIGN	62
RESIDENTIAL	62

The documents are listed in numeric order regardless of alphabetical prefix

TSB-10-F <i>Interference Criteria for Microwave Systems (1994)</i> \$196.00	51	J-STD-025-B <i>Lawfully Authorized Electronic Surveillance (CALEA) (2003)</i> \$Call for Pricing	55	TIA/EIA-41-D <i>Cellular Radiotelecommunications Intersystem Operations (ANSI/TIA/EIA-41-D-97)</i> \$821.00	2
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TSB-18-A <i>The Mechanical/Functional Characteristics of the Interface between DCEs and Voiceband Analog Channels (r2002)</i> \$34.00	19	TSB-32-A <i>Overall Transmission Plan Aspects for Telephony in a Private Network (r2003)</i> \$156.00	53	TSB-48 <i>Method of Measurement for Land Mobile Receiver Impulse Blanking Effectiveness (1992)</i> \$34.00	45
TSB-19 <i>Optical Fiber Digital Transmission Systems: Considerations for Users and Suppliers (r2002)</i> \$81.00	24	J-STD-034 <i>Wireless Enhanced Emergency Services (ANSI-J-STD-034-2002)</i> \$140.00	20	TSB-50 <i>User Interface for Authentication Key Entry (r2003)</i> \$34.00	2
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J-STD-025 <i>Lawfully Authorized Electronic Surveillance (CALEA)(ANSI-J-STD-025-2000)</i> \$170.00	54	J-STD-036-A <i>Enhanced Wireless 9-1-1, Phase 2 (ANSI-J-STD-036-A-2002)</i> \$280.00	20	TSB-56-A <i>Cellular Application Level Testing for IS-41-B, TSB-51 and IS-53 (1994)</i> \$95.00	53
J-STD-025 <i>Lawfully Authorized Electronic Surveillance (CALEA), Addendum 1 (1997)</i> \$Call for Pricing	54	J-STD-036-A-1 <i>Enhanced Wireless 9-1-1, Phase 2, Addendum 1 (ANSI-J-STD-036-A-1-2002)</i> \$Call for Pricing	20	TSB-57 <i>Sideband Spectrum Measurement Procedure for Transmitters Intended for Use in the 220-222 MHz Band (1993)</i> \$34.00	45
J-STD-025 <i>Lawfully Authorized Electronic Surveillance (CALEA), Addendum 2 (1997)</i> \$Call for Pricing	54	J-STD-038-A <i>Network Interworking Between GSM Map and ANSI/TIA-41-Map - Revision A - GPRS Support (ANSI-J-STD-038-2002)</i> \$322.00	53	TSB-58-F <i>Administration of Parameter Value Assignments for cdma2000® Spread Spectrum Standards (2003)</i> \$77.00	11
J-STD-025-A <i>Lawfully Authorized Electronic Surveillance (CALEA) (2000)</i> \$Call for Pricing	54	TSB-38 <i>Test Procedure for Evaluation of 2-Wire 4-Kilohertz Voiceband Duplex Modems (r2002)</i> \$151.00	52	TSB-62 <i>Informative Test Methods (ITMs) for Fiber-Optic Fibers, Cables, Opto-Electronic Sources and Detectors, Sensors, Connecting and Terminating Devices, and Other Fiber-Optic Components (r2002)</i> \$49.00	41
J-STD-025-A <i>Lawfully Authorized Electronic Surveillance (CALEA) (ANSI-J-STD-025-A-2000)</i> \$94.00	54	TSB-39-B <i>Message Type Assignments for the Extended Protocol Facility of TIA/EIA-136, TIA-691 and TIA/EIA/IS-2000 (2003)</i> \$35.00	2		

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TSB-62-10 <i>ITM-10 - Procedure for Applying Loads Directly to the Fiber in Optical Connectors or Fiber/Ferrule Assemblies</i> \$50.00	41	TSB-69.3 <i>Enhanced Digital Access Communications Systems (EDACS) Digital Air Interface for: Channel Access, Modulation, Messages, and Formats (r2003)</i> \$115.00	46	TSB-88-A <i>Wireless Communications Systems - Performance in Noise and Interference-Limited Situations - Recommended Methods for Technology-Independent Modeling, Simulation, and Verification</i> \$182.00	46
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TIA/EIA/IS-91-A <i>Base Station - Mobile Station Compatibility Specification for 800 MHz Cellular, Auxiliary, and Residential Services</i> \$81.00	6	TSB-100-A <i>Wireless Network Reference Model</i> \$55.00	2	TIA-102.AACB <i>Over-The-Air-Rekeying (OTAR) Operational Description - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.AACB-2002)</i> \$71.00	48
TSB-91 <i>Satellite ATM Networks: Architectures and Guidelines</i> \$58.00	53	TIA/EIA 102 Series <i>Telecommunications, Land Mobile Communications (APCO/Project 25)</i> \$2,915.00	47	TIA/EIA-102.AACC <i>Conformance Tests for the Project 25 Over-The-Air-Rekeying (OTAR) Protocol - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102.AACC-2002)</i> \$156.00	48
TSB-92 <i>Report on EME Evaluation for RF Cabinet Emissions Under FCC MPE Guidelines</i> \$55.00	46	TIA/EIA-102.AAAA-A <i>APCO Project 25 DES Encryption Protocol (ANSI/TIA/EIA-102.AAAA-A-2001)</i> \$62.00	47	TIA/EIA-102.BAAA-A <i>APCO Project 25 FDMA Common Air Interface - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102.BAAA-A-2003)</i> \$120.00	48
TIA/EIA-93-B <i>Wireless Telecommunications Ai-Di Interfaces Standard (ANSI/TIA/EIA-93-B-2001)</i> \$115.00	2	TIA/102.AAAB <i>APCO Project 25 - Security Services Overview - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.AAAB-2002)</i> \$64.00	47	TIA-102.BAAC-A <i>APCO Project 25 - Common Air Interface Reserved Values (ANSI/TIA-102.BAAC-2003)</i> \$35.00	48
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TIA/EIA-102.BADA <i>Telephone Interconnect Requirements and Definitions (Voice Service) (ANSI/TIA/EIA-102.BADA-2000)</i> \$55.00	49	TIA-102.BAEE-1 <i>Project 25 - Radio Control Protocol (RCP) - Addendum 1 - USB/PPP - New Technology Standards Project - Digital Radio Technology Standards (ANSI/TIA-102.BAEE-1-2000)</i> \$47.00	50	TSB-102.AABG <i>APCO Project 25 - Conventional Control Messages - New Technology Standards Project - Digital Radio Technical Standards</i> \$43.00	51
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TIA-102.BAEB-2 <i>APCO Project 25 - Packet Data Specification - Addendum 2 - USB/PPP - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.BAEB-2-2002)</i> \$47.00	49	TSB-102.AABA <i>APCO Project 25 Trunking Overview</i> \$40.00	50	TSB-102.BACC-A <i>APCO Project 25 - Inter-RF - Subsystem Interface Overview - New Technology Standards Project - Digital Radio Technical Standards</i> \$45.00	51
TIA/EIA-102.BAEC <i>APCO Project 25 Circuit Data Specification New Technology Standards Project Radio Technical Standards (ANSI/TIA/EIA-102.BAEC-2000)</i> \$87.00	49	TSB-102.AABD <i>APCO Project 25 Trunking Procedures - New Technology Standards Project - Digital Radio Technical Standards</i> \$133.00	50	TSB-102.BAFA-A <i>APCO Project 25 - Network Management Interface Overview - New Technology Standards Project - Digital Radio Technical Standards</i> \$50.00	51
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		TSB-102.AABF-1 <i>APCO Project 25 - Link Control Word Formats and Messages - New Technology Standards Project - Digital Radio Standards Project - Digital Radio Technical Standards, Addendum 1</i> \$55.00	50	TSB-102.CABA <i>APCO Project 25 - Interoperability Test Procedures - Conventional Voice Equipment</i> \$79.00	51
				TSB-105 <i>Clarification of Audit Order with Forced Re-Registration in Pre-TIA/EIA-136-A Implementation</i> \$38.00	15

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TSB-107 <i>Guideline for the Statistical Specification of Polarization Mode Dispersion on Optical Fiber Cables</i> \$34.00	21	TIA/EIA-124-D <i>Wireless Radio Telecommunications Intersystem Non-Signaling Data Communication DMH (Data Message Handler) (ANSI/TIA/EIA-124-D-2001)</i> \$346.00	3	TSB129-A <i>Telecommunications - Telephone Terminal Equipment - Guide to the U.S. Supplier's Declaration of Conformity Process</i> \$62.00	56
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TSB-110 <i>Residential Gateway</i> \$51.00	61	TIA/EIA-125-A <i>Recommended Minimum Performance Standard for Digital Cellular Wideband Spread Spectrum Speech Service Option 1</i> \$87.00	12	TSB-130 <i>Generic Guidelines for Connectorized Polarization Maintaining Fiber and Polarizing Fiber Cable Assemblies for Use in Telecommunication Applications</i> \$40.00	20
TSB-114 <i>Wireless Network Communication for Emergency Message Broadcast (EMB)</i> \$55.00	5	TSB-125 <i>Guidelines for Maintaining Optical Fiber Polarity Through Reverse Pair Positioning</i> \$43.00	61	TSB-132 <i>TDMA Cellular PCS - Radio Interface - Elementary File Alignment Issues in TIA/EIA-136-033</i> \$38.00	15
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TSB-116 <i>Telecommunications - IP Telephony - Voice Quality Recommendations for IP Telephony</i> \$87.00	59	TIA/EIA/IS-127 <i>Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems</i> \$204.00	9	TIA/EIA-136 <i>TDMA Cellular PCS Standards (ANSI/TIA/EIA-136-99)</i> \$528.00	15
TSB-117 <i>Clarification of DTX Receive Handling in TIA/EIA-136</i> \$43.00	15	TIA/EIA/IS-127-1 <i>Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems - Addendum 1</i> \$32.00	9	TIA/EIA-136, Rev A <i>TDMA Cellular PCS Standards (ANSI/TIA/EIA-136-99)</i> \$951.00	15
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TSB-121 <i>Cellular Subscriber Unit Interface for TDD</i> \$43.00	7	TIA/EIA/IS-127-3 <i>Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems, Addendum 3</i> \$42.00	9	TIA/EIA-136, Rev C <i>TDMA Third Generation Wireless Standards, Rev C (ANSI/TIA/EIA-136-2001)</i> \$Call for Pricing	16
TSB-122-A <i>Telephone - IP Telephony Equipment - Voice Router/Gateway Loss and Level Plan Guidelines</i> \$55.00	59			TIA/EIA-136, Rev D <i>TDMA Third Generation Wireless Standards, Rev D (ANSI/TIA/EIA-136-2002)</i> \$773.00	16
TSB-123 <i>Telecommunications - Multiline Terminal Systems - North American Test Plan for Multivendor QSIG Interoperability Testing</i> \$156.00	56				

The documents are listed in numeric order regardless of alphabetical prefix

TIA/EIA-136, Rev E <i>TDMA Third Generation Wireless Standards, Rev E (ANSI/TIA/EIA-136-2004)</i> \$837.00	16	TIA/EIA-250-C <i>Electrical Performance for Television Transmission Systems (ANSI/EIA/TIA-250-C-90) (R2001)</i> \$73.00	58	EIA-442 <i>Channel Numbering System, Class-D Citizens Radio Service</i> \$34.00	16
TSB-138 <i>TDMA Third Generation Wireless - Clarification of TIA/EIA/IS-823-A</i> \$38.00	16	TIA-329-C <i>Minimum Standards for Communication Antennas, Part 1: Base Station Antennas</i> \$69.00	1	TIA/EIA-455-B <i>Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and other Fiber Optic Components (ANSI/TIA/EIA-455-B-98)</i> \$4,460.00	26
TSB-140 <i>Additional Guidelines for Field Test Length, Loss and Polarity of Optical Fibers</i> \$61.00	62	TIA/EIA-334-C <i>Signal Quality at Interface Between Data Terminal Equipment and Synchronous Data Circuit-Terminating Equipment for Serial Data Transmission (ANSI/TIA/EIA-334-C-2000)</i> \$49.00	19	TIA/EIA-455-1-B <i>FOTP-1 - Cable Flexing for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-1B-98)</i> \$49.00	26
TSB-145 <i>Reliability of Passive Fiber Optic Components: Failure Modes and Mechanisms of Fiber Optic Connectors</i> \$58.00	22	TIA/EIA-382-A <i>Minimum Standards: Citizens Band Radio Service Amplitude Modulated (AM) Transceivers Operating in the 27 MHz Band (ANSI/EIA/TIA-382-A-89) (R2000)</i> \$66.00	16	TIA/EIA-455-2-C <i>FOTP-2 - Impact Test Measurements for Fiber Optic Devices (ANSI/TIA/EIA-455-2C-98)</i> \$55.00	26
TSB-146 <i>Telecommunications - IP Telephony Infrastructures - IP Telephony Support for Emergency Calling Service</i> \$67.00	55	TIA-404-B <i>Standard for Start-Stop Signal Quality for Non-Synchronous Data Terminal Equipment (ANSI/TIA/EIA-404-B-96) (R2002)</i> \$64.00	17	TIA-455-3-A <i>FOTP-3 - Procedure to Measure Temperature Cycling Effects on Optical Fibers, Optical Cable, and Other Passive Fiber Optic Components</i> \$49.00	26
TSB-151 <i>IP Network Reference Model (NRM) for cdma2000® Spread Spectrum Systems</i> \$77.00	11	TIA-411-A <i>Electrical and Mechanical Characteristics of Earth Station Antennas for Satellite Communications</i> \$146.00	1	TIA/EIA-455-4-C <i>FOTP-4 - Fiber Optic Component Temperature Life Test (ANSI/EIA-455-4-C-2002)</i> \$43.00	26
TSB-153 <i>Static Discharge Between LAN and Data Terminal Equipment</i> \$36.00	61	TIA/EIA-422-B <i>Electrical Characteristics of Balanced Voltage Digital Interface Circuits (ANSI/TIA/EIA-422-B-94) (R2000)</i> \$60.00	17	TIA/EIA-455-5-C <i>FOTP-5 - Humidity Test Procedure for Fiber Optic Components (ANSI/TIA/EIA-455-5-C-2002)</i> \$58.00	26
TSB-168-A <i>Telecommunications - Telephone Terminal Equipment - Labeling Requirements</i> \$43.00	56	TIA/EIA-423-B <i>Electrical Characteristics of Unbalanced Voltage Digital Interface Circuits (ANSI/TIA/EIA-423-B-96) (R2001)</i> \$70.00	17	TIA-455-6-B <i>FOTP-6 - Cable Retention Test Procedure for Fiber Optic Cable Interconnecting Devices(r2003)</i> \$48.00	27
TIA-222-F <i>Structural Standards for Steel Antenna Towers and Antenna Supporting Structures (ANSI/TIA/EIA-222-F-96)(R2003)</i> \$108.00	1	TIA-440-B <i>Fiber Optic Terminology (ANSI/TIA-440-B-2004)</i> \$120.00	26	TIAEIA-455-8 <i>FOTP-8 - Measurement of Splice or Connector Loss and Reflectance Using an OTDR (ANSI/TIA/EIA-455-8-2000)</i> \$55.00	27
TIA-232-F <i>Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA-232-F-1997) (R2002)</i> \$71.00	19			TIA-455-11-B <i>FOTP-11 - Vibration Test Procedure for Fiber Optic Components and Cables (ANSI/TIA-455-11-B-94) (R2002)</i> \$53.00	27

The documents are listed in numeric order regardless of alphabetical prefix

TIA-455-12-A	27	TIA-455-26-A	28	TIA/EIA-455-39-B	29
<i>FOTP-12 - Fluid Immersion Test for Fiber Optic Components</i>		<i>FOTP-26 - Crush Resistance of Fiber Optic Interconnecting Devices (r2002)</i>		<i>FOTP-39 - Fiber Optic Cable Water Wicking Test (ANSI/TIA/EIA-455-39-B-99)</i>	
\$34.00		\$40.00		\$45.00	
TIA-455-13-A	27	TIA/EIA-455-28-C	28	TIA/EIA-455-41-A	29
<i>FOTP-13 - Visual and Mechanical Inspection of Fiber Optic Components, Devices, and Assemblies (r2002)</i>		<i>FOTP-28 - Method for Measuring Dynamic Tensile Strength and Fatigue Parameters of Optical Fibers by Tension (ANSI/TIA/EIA-455-28C-99)</i>		<i>FOTP-41 - Compressive Loading Resistance of Fiber Optic Cables (ANSI/TIA/EIA-455-41-A-93) (R2001)</i>	
\$45.00		\$59.00		\$43.00	
TIA-455-14-A	27	TIA/EIA-455-31-C	28	TIA/EIA-455-42-A	29
<i>FOTP-14 - Fiber Optic Shock Test (Specified Pulse) (r2002)</i>		<i>FOTP-31 - Proof Testing Optical Fibers by Tension (ANSI/TIA/EIA-455-31-C-95) (R99)</i>		<i>FOTP-42 - Optical Crosstalk in Fiber Optic Components (ANSI/TIA/EIA-455-42-A-1989) (R2001)</i>	
\$49.00		\$50.00		\$34.00	
TIA-455-15-A	27	TIA/EIA-455-32-A	28	TIA/EIA-455-43-A	29
<i>FOTP-15 - Altitude Immersion (ANSI/EIA/TIA-455-15-A-92) (R2002)</i>		<i>FOTP-32 - Fiber Optic Circuit Discontinuities (ANSI/EIA/TIA-455-32-A-90) (R95) (R99)</i>		<i>FOTP-43 - Output Near-Field Radiation Pattern Measurement of Optical Waveguide Fibers (ANSI/TIA/EIA-455-43-A-99)</i>	
\$46.00		\$49.00		\$49.00	
TIA/EIA-455-16-A	27	TIA-455-33-A	28	TIA-455-44-B	29
<i>FOTP-16 - Salt Spray (Corrosion) Test for Fiber Optic Components (ANSI/EIA/TIA-455-16-A-91) (R2000)</i>		<i>FOTP-33 - Fiber Optic Cable Tensile Loading and Bending Test</i>		<i>FOTP-44 - Refractive Index Profile, Refracted Ray Method (TIA-455-44-B-2002)</i>	
\$49.00		\$49.00		\$47.00	
TIA/EIA-455-20-A	27	TIA/EIA-455-34-A	28	TIA-455-46-A	29
<i>FOTP-20 - Measurement of Change in Optical Transmittance (ANSI/TIA/EIA-455-20-A-96) (R2001)</i>		<i>FOTP-34 - Interconnection Device Insertion Loss Test (ANSI/TIA/EIA-455-34-A-95) (R2002)</i>		<i>FOTP-46 - Spectral Attenuation Measurement for Long-Length, Graded-Index Optical Fibers</i>	
\$48.00		\$49.00		\$46.00	
TIA-455-21-A	28	TIA/EIA-455-35-A	29	TIA/EIA-455-48-B	30
<i>FOTP-21 - Mating Durability for Fiber Optic Interconnecting Devices (r2002)</i>		<i>FOTP-35 - Fiber Optic Component Dust (Fine Sand) Test (ANSI/EIA/TIA-455-35-A-90) (R95) (R99)</i>		<i>FOTP-48 - Measurement of Optical Fiber Cladding Diameter Using Laser-Based Instruments (ANSI/TIA/EIA-455-48-B-90) (R2000)</i>	
\$47.00		\$34.00		\$49.00	
TIA-455-22-B	28	TIA-455-36-A	29	TIA/EIA-455-50-B	30
<i>FOTP-22 - Ambient Light Susceptibility of Fiber Optic Components (r2003)</i>		<i>FOTP-36 - Twist Test for Fiber Optic Connecting Devices (r2002)</i>		<i>FOTP-50 - Light Launch Conditions of Long-Length Graded-Index Optical Fiber Spectral Attenuation Measurements (ANSI/TIA/EIA-455-50-B-98) (R2001)</i>	
\$45.00		\$40.00		\$55.00	
TIA-455-23-A	28	TIA/EIA-455-37-A	29	TIA/EIA-455-54-B	30
<i>FOTP-23 - Air Leakage Testing of Fiber Optic Components Seals (r2002)</i>		<i>FOTP-37 - Low or High Temperature Bend Test for Fiber Optic Cable (ANSI/TIA/EIA-455-37-A-93) (R2000)</i>		<i>FOTP-54 - Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers (ANSI/TIA/EIA-455-54-B-98) (R2001)</i>	
\$38.00		\$48.00		\$49.00	
TIA-455-24	28	TIA-455-38	29		
<i>FOTP-24 - Water Peak Attenuation Measurement of Single-Mode Fibers (ANSI/TIA-455-24-91) (R2000)</i>		<i>FOTP-38 - Measurement of Fiber Strain in Cables Under Tensile Load</i>			
\$47.00		\$47.00			
TIA/EIA-455-25-C	28				
<i>FOTP-25 - Impact Testing of Optical Fiber Cables (ANSI/TIA/EIA-455-25-C-2002)</i>					
\$44.00					

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TIA/EIA-455-56-B <i>FOTP-56 - Test Method for Evaluating Fungus Resistance of Optical Fiber and Cable (ANSI/TIA/EIA-455-56-B-95) (R99)</i> \$40.00	30	TIA/EIA-455-69-A <i>FOTP-69 - Test Procedure for Evaluating the Effect of Minimum and Maximum Exposure Temperature on the Optical Performance of Optical Fibers (ANSI/EIA/TIA-455-69-A-91) (R2000)</i> \$49.00	31	TIA/EIA-455-81-B <i>FOTP-81 - Compound Flow (Drip) Test for Filled Fiber Optic Cable (ANSI/TIA/EIA-455-81-B-91) (R2000)</i> \$47.00	32
TIA/EIA-455-57-B <i>FOTP-57 - Preparation and Examination of Optical Fiber Endface for Testing Purposes (ANSI/TIA/EIA-455-57-B-96) (R2000)</i> \$58.00	30	TIA/EIA-455-71-A <i>FOTP-71 - Procedure to Measure Temperature-Shock Effects on Fiber Optic Components (ANSI/TIA/EIA-455-71-A-89)(R99)</i> \$55.00	31	TIA-455-82-B <i>FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable</i> \$43.00	32
TIA-455-58-B <i>FOTP-58 - Core Diameter Measurement of Graded-Index Optical Fibers (ANSI/TIA-455-58-B-2001)</i> \$49.00	30	TIA/EIA-455-72 <i>FOTP-72 - Procedure for Measuring Temperature and Humidity Cycling Aging Effects on Optical Characteristics of Optical Fibers (ANSI/TIA/EIA-455-72-97) (R2001)</i> \$47.00	31	TIA-455-84-B <i>FOTP-84 - Jacket Self-Adhesion (Blocking) Test for Fiber Optic Cable</i> \$49.00	32
TIA-455-59-A <i>FOTP-59 - Measurement of Fiber Point Defects Using an OTDR (ANSI/EIA/TIA-455-59-A-90) (R2000)</i> \$51.00	30	TIA/EIA-455-73 <i>FOTP-73 - Procedure for Measuring Temperature and Humidity Cycling Aging Effects on Mechanical Characteristics of Optical Fibers. (ANSI/TIA/EIA-455-73-97) (R2001)</i> \$47.00	31	TIA/EIA-455-85-A <i>FOTP-85 - Fiber Optic Cable Twist Test (ANSI/TIA/EIA-455-85-A-92) (R99)</i> \$48.00	32
TIA-455-60-A <i>FOTP-60 - Measurement of Fiber or Cable Length Using an OTDR (ANSI/TIA-455-60-A-2000)</i> \$51.00	30	TIA/EIA-455-74 <i>FOTP-74 - IEC 60793-1-53 Optical Fibres - Part 1-53: Measurement Methods and Test Procedures - Water Immersion (ANSI/TIA-455-74-A-2003)</i> \$35.00	31	TIA/EIA-455-86 <i>FOTP-86 - Fiber Optic Cable Jacket Shrinkage (ANSI/TIA/EIA-455-86-83) (R90) (R99)</i> \$38.00	32
TIA-455-61-A <i>FOTP-61 - Measurement of Fiber or Cable Attenuation (ANSI/TIA/EIA-455-61-A-2000)</i> \$49.00	31	TIA-455-74-A <i>FOTP-74 - IEC 60793-1-53 Optical Fibres - Part 1-53: Measurement Methods and Test Procedures - Water Immersion (ANSI/TIA-455-74-A-2003)</i> \$35.00	31	TIA/EIA-455-87-B <i>FOTP-87 - Fiber Optic Cable Knot Test (ANSI/TIA/EIA-455-87-B-93) (R99)</i> \$45.00	32
TIA-455-62-A <i>FOTP-62 - Measurement of Optical Fiber Macrobend Attenuation</i> \$41.00	31	TIA-455-77 <i>FOTP-77 - Procedures to Qualify a Higher-Order Mode Filter for Measurements on Single-Mode Fiber</i> \$46.00	32	TIA/EIA-455-88 <i>FOTP-88 - Fiber Optic Cable Bend Test (ANSI/TIA/EIA-455-88-2001)</i> \$49.00	32
TIA/EIA-455-64 <i>FOTP-64 - Procedure for Measuring Radiation-Induced Attenuation in Optical Fibers and Optical Cables (ANSI/TIA-455-64-97) (R2002)</i> \$64.00	31	TIA-455-78-B <i>FOTP-78 - Spectral Attenuation Cutback Measurement for Single-Mode Optical Fibers (ANSI-TIA-455-78-B-2002)</i> \$64.00	32	TIA-455-89-B <i>FOTP-89 - Optical Fiber Cable Jacket Elongation and Tensile Strength</i> \$47.00	33
TIA-455-67-A <i>FOTP-67 - IEC 60793-1-51 Optical Fibres - Part 1-51: Measurement Methods and Test Procedures - Dry Heat (ANSI/TIA-455-67-A-2003)</i> \$47.00	31	TIA-455-80-C <i>FOTP-80 - IEC 60793-1-44 Optical Fibres Part 1-44: Measurement Methods and Test Procedures - Cut-off Wavelength (ANSI/TIA-455-80-C-2003)</i> \$63.00	32	TIA-455-91 <i>FOTP-91 - Fiber Optic Cable Twist-Bend Test</i> \$34.00	33
				TIA/EIA-455-95-A <i>FOTP-95 - Absolute Optical Power Test for Optical Fibers and Cables (ANSI/TIA/EIA-455-95-A-2000)</i> \$47.00	33
				TIA/EIA-455-98-A <i>FOTP-98 - Fiber Optic Cable External Freezing Test (ANSI/TIA/EIA-455-98-A-90) (R2000)</i> \$49.00	33

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TIA/EIA-455-100-A <i>FOTP-100 - Gas Leakage Test for Gas-Blocked Fiber Optic Cables (ANSI/TIA/EIA-455-100-A-89) (R99)</i> \$34.00	33	TIA/EIA-455-126 <i>FOTP-126 - Spectral Characterization of LEDs (ANSI/TIA/EIA-455-126-2000)</i> \$55.00	34	TIA/EIA-455-141 <i>FOTP-141 - Twist Test for Optical Fiber Ribbons (ANSI/TIA/EIA-455-141-1999)</i> \$49.00	35
TIA/EIA-455-104-A <i>FOTP-104 - Fiber Optic Cable Cyclic Flexing Test (ANSI/TIA/EIA-455-104-A-93)(R2000)</i> \$48.00	33	TIA-455-127 <i>FOTP-127 - Spectral Characterization of Multimode Laser Diodes, Performance of Optical Fibers</i> \$47.00	34	TIA/EIA-455-157 <i>FOTP-157 - Measurement of Polarization Dependent (PDL) of Single-mode Fiber Optic Components (ANSI/TIA/EIA-455-157-1995) (R2000)</i> \$48.00	35
TIA/EIA-455-107-A <i>FOTP-107 - Determination of Component Reflectance or Link/System Return Loss Using a Loss Test Set (ANSI/TIA/EIA-455-107-A-99)</i> \$58.00	33	TIA-455-128 <i>FOTP-128 - Procedures for Determining Threshold Current of Semiconductor Lasers</i> \$49.00	34	TIA/EIA-455-158 <i>FOTP-158 - Measurement of Breakaway Frictional Force in Fiber Optic Connector Alignment Sleeves (ANSI/TIA/EIA-455-158-97) (R2001)</i> \$45.00	35
TIA-455-111-A <i>FOTP-111 - IEC 60793-1-34 Optical Fibres - Part 1-34: Measurement Methods and Test Procedures - Fibre Curl (ANSI/TIA-455-111-A-2003)</i> \$50.00	33	TIA-455-129 <i>FOTP-129 - Procedures for Applying Human Body Model Electrostatic Discharge Stress to Package Optoelectronic Components</i> \$55.00	34	TIA-455-160-A <i>FOTP-160 - IEC 60793-1-50 Optical Fibres - Part 1-50: Measurement Methods and Test Procedures - Damp Heat (Steady State) (ANSI/TIA-455-160-A-2003)</i> \$35.00	35
TIA/EIA-455-113 <i>FOTP-113 - Polarization-Mode Dispersion Measurement of Single-Mode Optical Fibers by the Fixed Analyzer Method (ANSI/TIA/EIA-455-113-96) (R2001)</i> \$70.00	33	TIA/EIA-455-130 <i>FOTP-130 - Elevated Temperature Life Test for Laser Diodes (ANSI/TIA/EIA-455-130-2001)</i> \$45.00	34	TIA/EIA-455-162-A <i>FOTP-162 - Fiber Optic Cable Temperature-Humidity Cycling (ANSI/TIA/EIA-455-162-A-99)</i> \$49.00	35
TIA-455-115 <i>FOTP-115 - Spectral Attenuation of Step-Index Multimode Optical Fibers (ANSI/TIA-455-115-96) (R2001)</i> \$45.00	33	TIA/EIA-455-131 <i>FOTP-131 - Measurement of Optical Fiber Ribbon Residual Twist (ANSI/TIA/EIA-455-131-97) (R2000)</i> \$49.00	34	TIA/EIA-455-168-A <i>FOTP-168 - Chromatic Dispersion Measurement of Multimode Graded-Index and Single-Mode Optical Fibers by Spectral Group Delay Measurement in the Time Domain (ANSI/TIA/EIA-455-168A-92) (R99)</i> \$40.00	35
TIA-455-122-A <i>FOTP-122 - Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Jones Matrix Eigenanalysis</i> \$71.00	33	TIA/EIA-455-132-A <i>FOTP-132 - Measurement of the Effective Area of Single-Mode Optical Fiber (ANSI/TIA/EIA-455-132-A-2001)</i> \$74.00	34	TIA/EIA-455-169-A <i>FOTP-169 - Chromatic Dispersion Measurement of Single-Mode Optical Fibers by the Phase-Shift Method (ANSI/TIA/EIA-455-169A-92) (R99)</i> \$47.00	35
TIA/EIA-455-123 <i>FOTP-123 - Measurement of Optical Fiber Ribbon Dimensions (ANSI/TIA/EIA-455-123-2000)</i> \$55.00	34	TIA-455-133-A <i>FOTP-133 - Length Measurement of an Optical Fiber or Cable by the Phase-Shift Method</i> \$55.00	34	TIA/EIA-455-171-A <i>FOTP-171 - Attenuation by Substitution Measurement for Short-Length Multimode Graded-Index and Single-Mode Optical Fiber Cable Assemblies (ANSI/TIA/EIA-455-171-A-2001)</i> \$74.00	36
TIA-455-124 <i>FOTP-124 - Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Interferometry (ANSI/TIA-455-124-99)</i> \$55.00	34	TIA-455-134 <i>FOTP-134 - Measurement of Connector Ferrule Hole Inside Diameter (ANSI/TIA-455-134-96) (R2002)</i> \$45.00	35		
		TIA-455-135 <i>FOTP-135 - Measurement of Connector Ferrule Inside and Outside Diameter Circular Runout (ANSI/TIA-455-135-96) (R2002)</i> \$48.00	35		

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TIA/EIA-455-172 <i>FOTP-172 - Flame Resistance of Firewall Connector (ANSI/EIA-455-172-86) (R91) (R99)</i> \$34.00	36	TIA/EIA-455-184 <i>FOTP-184 - Coupling Proof Overload Test for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-184-91) (R95) (R99)</i> \$43.00	37	TIA/EIA-455-193 <i>FOTP-193 - Polarization Crosstalk Method for Polarization-Maintaining Optical Fiber and Components (ANSI/TIA/EIA-455-193-99)</i> \$51.00	38
TIA-455-175-A <i>FOTP-175 - Chromatic Dispersion Measurement of Single-Mode Optical Fibers by the Differential Phase-Shift Method</i> \$48.00	36	TIA/EIA-455-185 <i>FOTP-185 - Strength of Coupling Mechanism for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-185-91) (R95) (R99)</i> \$43.00	37	TIA/EIA-455-194 <i>FOTP-194 - Measurement of Fiber Pushback in Optical Connectors (ANSI/TIA/EIA-455-194-99)</i> \$51.00	38
TIA-455-176-A <i>FOTP-176 - Method for Measuring Optical Fiber Cross-Sectional Geometry by Automated Grey-Scale Analysis (ANSI/TIA/EIA-455-176-93) (R99)</i> \$62.00	36	TIA/EIA-455-186 <i>FOTP-186 - Gauge Retention Force Measurement for Fiber Optic Components (ANSI/TIA/EIA-455-186-91) (R99)</i> \$40.00	37	TIA-455-195-A <i>FOTP-195 - IEC 60793-1-21 Optical Fibres - Part 1-21: Measurement Methods and Test Procedures - Coating Geometry (ANSI/TIA-455-195-A-2003)</i> \$51.00	38
TIA-455-177-B <i>FOTP-177 - IEC 60793-1-43 Optical Fibres - Part 1-43: Measurement Methods and Test Procedures - Numerical Aperture (ANSI/TIA-455-177-B-2003)</i> \$51.00	36	TIA/EIA-455-187 <i>FOTP-187 - Engagement and Separation Force Measurement of Fiber Optic Connector Sets (ANSI/TIA/EIA-455-187-91) (R99)</i> \$40.00	37	TIA/EIA-455-196 <i>FOTP-196 - Guideline for Polarization-Mode Measurement in Single-Mode Fiber Optic Components and Devices (ANSI/TIA/EIA-455-196-99)</i> \$55.00	38
TIA-455-178-B <i>FOTP-178 - IEC 60793-1-32 Optical Fibres - Part 1-32: Measurement Methods and Test Procedures - Coating Stripability (ANSI/TIA-455-178-B-2003)</i> \$49.00	36	TIA/EIA-455-188 <i>FOTP-188 - Low-Temperature Testing of Fiber Optic Components (ANSI/TIA/EIA-455-188-92) (R2001)</i> \$41.00	37	TIA/EIA-455-197 <i>FOTP-197 - Differential Group Delay Measurement of Single-mode Components and Devices by the Differential Phase Shift Method (ANSI/TIA/EIA-455-197-2000)</i> \$62.00	38
TIA-455-179 <i>FOTP-179 - Inspection of Cleaved Fiber End Faces by Interferometry</i> \$74.00	36	TIA-455-189 <i>FOTP-189 - Ozone Exposure Test for Fiber Optic Components (r2003)</i> \$41.00	37	TIA-455-198 <i>FOTP-198 - Measurement of Polarization Dependence of Insertion Loss of Single-Mode Fiberoptic Components by the Mueller Matrix Method</i> \$55.00	38
TIA/EIA-455-180-A <i>FOTP-180 - Measurement of the Optical Transfer Coefficients of a Passive Branching Device (Coupler) (ANSI/TIA/EIA-455-180-A-99)</i> \$60.00	36	TIA-455-190 <i>FOTP-190 - Low Air Pressure (High Altitude) Testing of Fiber Optic Components (r2003)</i> \$43.00	38	TIA-455-199 <i>FOTP-199 - In-Line Polarization Crosstalk Measurement Method for Polarization-Maintaining Optical Fibers, Components, and Systems</i> \$60.00	38
TIA/EIA-455-181 <i>FOTP-181 - Lightning Damage Susceptibility Test for Fiber Optic Cables with Metallic Components (ANSI/TIA/EIA-455-181-92) (R2001)</i> \$45.00	37	TIA-455-191-B <i>FOTP-191 - IEC 60793-1-45 Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (ANSI/TIA-455-191-B-2003)</i> \$67.00	38	TIA/EIA-455-200 <i>FOTP-200 - Insertion Loss of Connectorized Polarization-Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies (ANSI/TIA/EIA-455-200-2001)</i> \$58.00	38
TIA/EIA-455-183 <i>FOTP-183 - Hydrogen Effects on Optical Fiber Cable (ANSI/TIA/EIA-455-183-2000)</i> \$55.00	37	TIA/EIA-455-192 <i>FOTP-192 - H-Parameter Test Method for Polarization-Maintaining Optical Fiber (ANSI/TIA/EIA-455-192-99)</i> \$50.00	38		

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TIA/EIA-455-201 <i>FOTP-201 - Return Loss of Commercial Polarization - Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies</i> \$55.00	38	TIA/EIA-455-210 <i>FOTP-210 - IEC 61290-2-2 Optical Fibre Amplifiers - Basic Specification Part 2-2: Test Methods for Optical Power Parameters - Electrical Spectrum Analyzer (ANSI/TIA/EIA-455-210-2000)</i> \$48.00	39	TIA/EIA-455-221 <i>FOTP-221 - IEC61290-5-1 - Optical Fibre Amplifiers - Basic Specification - Part 5-1: Test Method for Reflectance Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-221-2001)</i> \$48.00	40
TIA/EIA-455-203 <i>FOTP-203 - Launched Power Distribution Measurement Procedure for Graded-Index Multimode Fiber Transmitters (ANSI/TIA/EIA-455-203-2001)</i> \$64.00	39	TIA/EIA-455-211 <i>FOTP-211 - IEC 61290-2-3 Optical Fibre Amplifiers - Basic Specification Part 2-3: Test Methods for Optical Power Parameters - Optical Power Meter (ANSI/TIA/EIA-455-211-2000)</i> \$48.00	39	TIA/EIA-455-222 <i>FOTP-222 - IEC61290-3 - Optical Fibre Amplifiers - Basic Specification - Part 3: Test Methods for Noise Figure Parameters (ANSI/TIA/EIA-455-222-2001)</i> \$48.00	40
TIA/EIA-455-204 <i>FOTP-204 - Measurement of Bandwidth on Multimode Fiber (ANSI/TIA/EIA-455-204-2000)</i> \$64.00	39	TIA/EIA-455-212 <i>FOTP-212 - IEC 61290-6-1 Optical Fibre Amplifiers - Basic Specification Part 6-1: Test methods for Pump Leakage Parameters - Optical Demultiplexer (ANSI/TIA/EIA-455-212-2000)</i> \$48.00	39	TIA/EIA-455-223 <i>FOTP-223 - IEC61291-2 - Optical Fibre Amplifiers - Part 2: Digital Applications - Performance Specification Template (ANSI/TIA/EIA-455-223-2001)</i> \$48.00	40
TIA/EIA-455-206 <i>FOTP-206 - IEC 61290-1-1 Optical Fibre Amplifiers - Basic Specification Part 1-1: Test Methods for Gain Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-206-2000)</i> \$49.00	39	TIA/EIA-455-213 <i>FOTP-213 - IEC 61290-7-1: Optical Fibre Amplifiers - Basic Specification Part 7-1: Test Methods for Out-of-Band Insertion Losses - Filtered Optical Power Meter (ANSI/TIA/EIA-455-213-2000)</i> \$47.00	39	TIA/EIA-455-224 <i>FOTP-224 - IEC 61744 - Calibration of Fibre Optic Chromatic Dispersion Test Sets (ANSI/TIA/EIA-455-224-2002)</i> \$74.00	40
TIA/EIA-455-207 <i>FOTP-207 - IEC 61290-1-2 Optical Fibre Amplifiers - Basic Specification Part 102: Test Methods for Gain Parameters - Electrical Spectrum Analyzer (ANSI/TIA/EIA-455-207-2000)</i> \$55.00	39	TIA/EIA-455-214 <i>FOTP-214 - IEC 61290-1 Optical Fibre Amplifiers - Part 1: Generic Specification (ANSI TIA/EIA-455-214-2000)</i> \$60.00	39	TIA/EIA-455-225 <i>FOTP-225 - IEC 61745 - End Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (ANSI/TIA/EIA-455-225-2002)</i> \$71.00	40
TIA/EIA-455-208 <i>FOTP-208 - IEC 61290-1-3 Optical Fibre Amplifiers - Basic Specification Part 1-3: Test Methods for Gain Parameters - Optical Power Meter (ANSI/TIA/EIA-455-208-2000)</i> \$49.00	39	TIA-455-218 <i>FOTP-218 - Measurement of Endface Geometry of Single Fiber Optical Connectors</i> \$49.00	39	TIA/EIA-455-226 <i>FOTP-226 - IEC 61746 - Calibration of Optical Tim-Domain Reflectometers (OTDR's)(ANSI/TIA/EIA-455-226-2002)</i> \$95.00	40
TIA/EIA-455-209 <i>FOTP-209 - IEC 61290-2-1 Optical Fibre Amplifiers - Basic Specification Part 2-1: Test Methods for Optical Power Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-209-2000)</i> \$47.00	39	TIA-455-219 <i>FOTP-219 - Multifiber Ferrule Endface Geometry Measurement (ANSI/TIA-455-219-2002)</i> \$55.00	40	TIA/EIA-455-227 <i>FOTP-227 - IEC 61300-3-24 Fibre Optic Interconnecting Devices & Passive Components-Basic Test & Measurement Procedures-Part 3-24: Exams & Measurements-Keying Accuracy of Optical Connectors for Polarization Maintaining Fibre (ANSI/TIA/EIA-455-227-2002)</i> \$45.00	40
		TIA-455-220-A <i>FOTP-220 - Differential Mode Delay Measurement of Multimode Fiber in the Time Domain (r2003)</i> \$62.00	40		

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TIA-455-228 <i>FOTP-228 - Relative Group Delay and Chromatic Dispersion Measurement of Single-Mode Components and Devices by the Phase Shift Method (ANSI/TIA/EIA-455-228-2002)</i> \$76.00	40	TIA-472C000-A <i>Sectional Specification for Fiber Optic Communications Cable for Indoor Use</i> \$74.00	20	TIA-492C000 <i>Sectional Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers (ANSI/TIA-492C000-97) (R2002)</i> \$55.00	43
TIA-455-229 <i>FOTP-229 - Optical Power Handling and Damage Threshold Characterization (ANSI/TIA-455-229-2002)</i> \$58.00	40	TIA/EIA-472D000-A <i>Sectional Specification for Fiber Optic Communications Cable for Outside Plant Use</i> \$62.00	21	TIA-492CA00 <i>Blank Detail Specification for Class IVa Dispersion-Unshielded Single Mode Optical Fibers (ANSI/TIA-492CA00-97) (R2002)</i> \$71.00	43
TIA-455-231 <i>FOTP-231 - IEC 60315 - Calibration of Fibre Optic Power Meters (ANSI/TIA-455-231-2003)</i> \$77.00	41	TIA-485-A <i>Electrical Characteristics of Generators and Receivers for Use in Balanced Digital Multipoint Systems (ANSI/TIA-485-A-98)</i> \$58.00	17	TIA-492CAA <i>Detail Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers (ANSI/TIA-492CAA-98) (R2002)</i> \$60.00	43
TIA-455-234 <i>FOTP-234 - IEC 60793-1-52 Optical Fibres - Part 1-52: Measurement Methods and Test Procedures - Change of Temperature (ANSI/TIA-455-234-2003)</i> \$35.00	41	TIA-4920000-A <i>Generic Specification for Optical Waveguide Fibers (ANSI/TIA-4920000-B-97) (R2002)</i> \$79.00	42	TIA-492CAAB <i>Detail Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers with Low Water Peak (ANSI/TIA/EIA-492CAAB-2000)</i> \$60.00	43
TIA-455-235 <i>FOTP-235 - IEC 61280-2-8 Fibre Optic Communication Subsystem Test Procedures - Digital Systems Part 2-8: Determination of Low BER Q-Factor Measurements (ANSI/TIA-455-235-2004)</i> \$67.00	41	TIA-492A000-A <i>Sectional Specification for Class Ia Multimode, Graded-Index Optical Waveguide Fibers (ANSI/TIA-492A000-A-97) (R2002)</i> \$49.00	42	TIA-492E000 <i>Sectional Specification for Class IVd Nonzero-Dispersion Single-Mode Optical Fibers for the 1550 nm Window (ANSI/TIA-492E000-96) (R2002)</i> \$55.00	43
TIA-455-236 <i>FOTP-236 - IEC 61280-2-9 Fibre Optic Communication Subsystem Test Procedures - Digital Systems - Dense Wave-Length Multiplexed Systems (ANSI/TIA-455-236-2004)</i> \$58.00	41	TIA-492AA00-A <i>Blank Detail Specification for Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AA00-A-97) (R2002)</i> \$71.00	42	TIA-492EA00 <i>Blank Detail Specification for Class IVd Nonzero-Dispersion Single-Mode Optical Fiber for the 1550 nm Window (ANSI/TIA-492EA00-96) (R2002)</i> \$66.00	43
TIA-464-C <i>Requirements for Private Branch Exchange (PBX) Switching Equipment (ANSI/TIA-464-C-2002)</i> \$233.00	56	TIA-492AAAA-A <i>Detail Specification for 62.5-um Core Diameter/125-um Cladding Diameter Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AAAA-A-97) (R2002)</i> \$62.00	42	TIA-504-A <i>Telecommunications-Telephone Terminal Equipment-Magnetic Field and Acoustic Gain Requirements for Headset Telephones Intended for Use by the Hard of Hearing (ANSI/TIA/EIA-504-A-98)</i> \$55.00	57
TIA/EIA-470-B <i>Telecommunications - Telephone Terminal Equipment - Performance and Compatibility Requirements for Telephone Sets with Loop Signaling (ANSI/TIA/EIA-470-B-97)</i> \$115.00	57	TIA-492AAAB <i>Detail Specification for 50-um Core Diameter/125-um Cladding Diameter Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AAAB-98) (R2002)</i> \$60.00	43	TIA-5090000 <i>Generic Specification for Fiber Optic Terminal Devices</i> \$37.00	26
TIA/EIA-4720000-A <i>Generic Specification for Fiber Optic Cable</i> \$85.00	20	TIA-492AAAC-A <i>Detail Specification for 850-nm Laser-Optimized, 50-um core diameter/125-um cladding diameter class Ia graded-index multimode optical fibers (R2003)</i> \$64.00	43	TIA-5150000 <i>Generic Specification for Optical Fiber and Cable Splices (r2002)</i> \$48.00	25

The documents are listed in numeric order regardless of alphabetical prefix

TIA-515B000	25	TIA-526-17	24	TIA-561	17
<i>Sectional Specification for Splice Closures for Pressurized Aerial, Buried, and Underground Fiber Optic Cables (r2002)</i>		<i>OFSTP-17 - Output Jitter Measurement</i>		<i>Simple 8-Position Non-Synchronous Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA/EIA-561-90) (R98) (R2003)</i>	
\$48.00		\$43.00		\$63.00	
TIA-526	23	TIA-526-18	24	TIA-562	17
<i>Standard Test Procedures for Fiber Optic Systems</i>		<i>OFSTP-18 - Systematic Jitter Generation Measurement</i>		<i>Electrical Characteristics for an Unbalanced Digital Interface (ANSI/TIA/EIA-562-90) (R98) (R2003)</i>	
\$47.00		\$43.00		\$66.00	
TIA-526-2	23	TIA/EIA-526-19	24	TIA/EIA-568-B.1	59
<i>OFSTP-2 - Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable</i>		<i>OFSTP-19 - Optical Signal-to-Noise Ratio Measurement Procedures for Dense Wavelength-Division Multiplexed Systems (ANSI/TIA/EIA-526-19-2000)</i>		<i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements (ANSI/TIA/EIA-568-B.1-2001)</i>	
\$39.00		\$55.00		\$149.00	
TIA-526-3	23	TIA-526-27	24	TIA/EIA-568-B.1-1	59
<i>OFSTP-3 - Fiber Optic Terminal Equipment Receiver Sensitivity and Maximum Receiver Input</i>		<i>OFSTP-27 - Procedure for System-Level Temperature Cycle Endurance Test</i>		<i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 1 - Minimum 4-Pair UTP and 4-Pair Sctp Patch Cable Bend Radius (ANSI/TIA/EIA-568-B.1-1-2001)</i>	
\$39.00		\$55.00		\$34.00	
TIA/EIA-526-4-A	23	TIA-530-A	17	TIA-568-B.1-2	59
<i>OFSTP-4 - Optical Eye Pattern Measurement Procedure</i>		<i>High Speed 25-Position Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment, Including Alternative 26-Position Connector (ANSI/TIA/EIA-530-A-92) (R98) (R2003)</i>		<i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 2 - Grounding and Bonding Requirements for Screened Balanced Twisted-Pair Horizontal Cabling (ANSI/TIA/EIA-568-B.1-2-2001)</i>	
\$58.00		\$64.00		\$45.00	
TIA/EIA-526-7	24	TIA-5430000	21	TIA-568-B.1-3	59
<i>OFSTP-7 - Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant</i>		<i>Generic Specification, Field Portable Electronic Instruments for Optical Fiber System Measurements</i>		<i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 3 - Supportable Distances and Channel Attenuation for Optical Fiber Applications by Fiber Type (ANSI/TIA/EIA-568-B.1-3-2003)</i>	
\$51.00		\$66.00		\$40.00	
TIA/EIA-526-10	24	TIA/EIA-553-A	5		
<i>OFSTP-10 - Measurement of Dispersion Power Penalty in Digital Single-Mode Systems</i>		<i>Mobile Station - Base Station Compatibility Standard (ANSI TIA/EIA-553-A-99)</i>			
\$46.00		\$156.00			
TIA-526-11	24	TIA-559	22		
<i>OFSTP-11 - Measurement of Single-Reflection Power Penalty for Fiber Optic Terminal Equipment</i>		<i>Single-Mode Fiber Optic System Transmission Design (r2002)</i>			
\$46.00		\$79.00			
TIA-526-14-A	24	TIA-559-1	23		
<i>OFSTP-14 - Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant</i>		<i>Single-Mode Fiber Optic System Transmission Design (r2002)</i>			
\$55.00		\$37.00			
TIA-526-15	24				
<i>OFSTP-15 - Jitter Tolerance Measurement</i>					
\$45.00					
TIA-526-16	24				
<i>OFSTP-16 - Jitter Transfer Function Measurement</i>					
\$45.00					

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TIA-568-B.1-4 <i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 4 - Recognition of Category 6 and 850 nm Laser-Optimized 50/125 µm Multimode Optical Fiber Cabling (ANSI/TIA/EIA-568-B.1-4-2003)</i> \$45.00	59	TIA/EIA-568-B.2-4 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 4 - Solderless Connection Reliability Requirements for Copper Connecting Hardware (ANSI/TIA/EIA-568-B.2-4-2001)</i> \$40.00	60	TIA/EIA-569-A-2 <i>Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 2 (ANSI/TIA/EIA-569-A-2-2000)</i> \$34.00	60
TIA-568-B.1-5 <i>Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 5 -</i> \$61.00	59	TIA-568-B.2-5 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 5 - Corrections to TIA/EIA-568-B.2 (ANSI/TIA-568-B.2-5-2003)</i> \$38.00	60	TIA/EIA-569-A-3 <i>Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 3 (ANSI/TIA/EIA-569-A-3-2000)</i> \$34.00	60
TIA/EIA-568-B.2 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Cabling Components (ANSI/TIA/EIA-568-B.2-2001)</i> \$38.00	59	TIA-568-B.2-6 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 5 - Category 6 Related Component Test Procedures (ANSI/TIA-568-B.2- 6-2003)</i> \$35.00	60	TIA/EIA-569-A-4 <i>Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 4 (ANSI/TIA/EIA/569-A-4-2000)</i> \$34.00	60
TIA/EIA-568-B.2-1 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 1 - Transmission Performance Specifications for 4-Pair 100 Ohm Category 6 Cabling (ANSI/TIA/EIA- 568-B.2-1-2002)</i> \$115.00	59	TIA/EIA-568-B.3 <i>Commercial Building Telecommunications Cabling Standard - Part 3: Optical Fiber Cabling Components Standard (ANSI/TIA/EIA-568-B.3-2000)</i> \$64.00	60	TIA/EIA-569-A-5 <i>Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 5 - In Floor Systems (ANSI/TIA/EIA-569-A-5- 2001)</i> \$55.00	61
TIA/EIA-568-B.2-2 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted-Pair Cabling Components - Addendum 2 (ANSI/TIA/EIA-568- B.2-2-2001)</i> \$32.00	60	TIA/EIA-568-B.3-1 <i>Commercial Building Telecommunications Cabling Standard - Part 3: Optical Fiber Cabling Components Standard - Addendum 1 - Additional Transmission Performance Specifications for 50/125 µm Optical Fiber Cables (ANSI/TIA/EIA- 568-B.3-1-2002)</i> \$40.00	60	TIA/EIA-569-A-6 <i>Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 6 - Multi- Tenant Pathways and Spaces (ANSI/TIA/EIA-569-A-6-98)</i> \$57.00	61
TIA/EIA-568-B.2-3 <i>Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Cabling - Addendum 3 - Additional Considerations for Insertion Loss and Return Loss Pass/Fail Determination (ANSI/TIA/EIA-568-B.2-3-2002)</i> \$38.00	60	TIA/EIA-569-A <i>Commercial Building Standard for Telecommunications Pathways and Spaces (ANSI/TIA/EIA-569-A-98)</i> \$271.00	60	TIA/EIA-569-A-7 <i>Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 7 - Cable Trays and Wirelines (ANSI/TIA/EIA-569-A- 7-2001)</i> \$38.00	61
		TIA/EIA-569-A-1 <i>Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 1 (ANSI/TIA/EIA-569-A-1-2000)</i> \$36.00	60	TIA/EIA-570-A <i>Residential Telecommunications Cabling Standard (ANSI/TIA/EIA- 570-A-99)</i> \$87.00	62
				TIA/EIA-570-A-1 <i>Residential Telecommunications Cabling Standard - Addendum 1 - Security Cabling for Residences (ANSI/TIA/EIA-570-A-1-2002)</i> \$45.00	62
				TIA/EIA-570-A-2 <i>Residential Telecommunications Cabling Standard - Addendum 2 - Control Cabling for Residences (ANSI/TIA/EIA-570-A-2-1999)</i> \$43.00	61

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TIA/EIA-570-A-3 <i>Residential Telecommunications Cabling Standard - Addendum 3 - Whole-Home Audio Cabling for Residences (ANSI/TIA/EIA-570-A-3-2002)</i> \$45.00	62	TIA-594-B <i>Telecommunications - Multiline Terminal Systems - Synchronous Methods and Technical Requirements for Private Integrated Services Networks (2004)</i> \$74.00	55	TIA-604-5-B <i>FOCIS 5 - Fiber Optic Connector Intermateability Standard, Type MPO (ANSI/TIA-604-5-B-2002)</i> \$55.00	22
TIA/EIA-571-A <i>Telecommunications User Premises Equipment Environmental Considerations (ANSI/TIA/EIA-571-A-99)</i> \$64.00	58	TIA-596 <i>Network Channel Terminating Equipment for Public Switched Digital Service (ANSI/TIA/596-92) (R2002)</i> \$136.00	55	TIA/EIA-604-6 <i>FOCIS 6 - Fiber Optic Connector Intermateability Standard (Fiber Jack Connector) (ANSI/TIA/EIA-604-6-99)</i> \$55.00	22
TIA-574 <i>9-Position Non-Synchronous Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA/EIA-574-90) (R98)</i> \$56.00	18	TIA/EIA-598-B <i>Optical Fiber Cable Color Coding (ANSI/TIA/EIA-598-B-2001)</i> \$55.00	20	TIA-604-7-A <i>FOCIS 7 - Fiber Optic Connector Intermateability Standard (ANSI/TIA/EIA-604-7-A-2002)</i> \$49.00	22
TIA-578-B <i>Facsimile Digital Interfaces - Asynchronous Facsimile DCE Control Standard, Service Class I (ANSI/TIA/EIA-578-B-2000)</i> \$87.00	52	TIA/EIA-602-A <i>Data Transmission Systems and Equipment, Serial Asynchronous Automatic Dialing and Control (ANSI/TIA/EIA-602-92) (R2000)</i> \$38.00	18	TIA/EIA-604-10-A <i>FOCIS 10 - Fiber Optic Connector Intermateability Standard (ANSI/TIA/EIA-604-10-A-2002)</i> \$64.00	22
TIA/EIA-579-A <i>Telecommunications Telephone Terminal Equipment Transmission Requirements for Digital Wireline Telephones (ANSI/TIA/EIA-579-A-98)</i> \$60.00	58	TIA-603-B <i>Land Mobile FM or PM Communications Equipment Measurement and Performance Standards (ANSI/TIA-603-B-2002)</i> \$202.00	44	TIA/EIA-604-12 <i>FOCIS 12 - Fiber Optic Connector Intermateability Standard, Type MT-RJ (ANSI/TIA/EIA-604-12-2000)</i> \$57.00	22
TIA-587 <i>Fiber Optic Graphic Symbols</i> \$45.00	26	TIA/EIA-604 <i>Fiber Optic Connector Intermateability Standards (ANSI/TIA/EIA-604-93)(R2000)</i> \$39.00	21	TIA-604-13 <i>FOCIS 13 - Fiber Optic Connector Intermateability Standard, Type SFOC 1.25 (ANSI/TIA-604-13-2002)</i> \$60.00	22
TIA-590-A <i>Standard for Physical Location and Protection of Below-Ground Fiber Optic Cable Plant</i> \$50.00	21	TIA-604-1 <i>FOCIS 1 - Fiber Optic Connector Intermateability Standard (r2002)</i> \$43.00	21	TIA-604-15 <i>FOCIS 15 - Fiber Optic Connector Intermateability Standard, Type MF (ANSI/TIA-604-15-2003)</i> \$58.00	22
TIA/EIA-592-A <i>Asynchronous Facsimile DCE Control Standard - Service Class 2 (ANSI/TIA/EIA-592-A-98)</i> \$133.00	52	TIA-604-2 <i>FOCIS 2 - Fiber Optic Connector Intermateability Standard, Type ST (ANSI/TIA-604-2-1997) (R2002)</i> \$49.00	21	TIA-604-16 <i>FOCIS 16 - Fiber Optic Connector Intermateability Standard, Type LSH (ANSI/TIA-604-16-2003)</i> \$55.00	22
TIA/EIA-594-A <i>IEC 11573 - Information Technology - Telecommunications and Information Exchange Between Systems - Synchronization Methods and Technical Requirements for Private Integrated Service Networks (ANSI/TIA/EIA-594-A-2002)</i> \$87.00	55	TIA/EIA-604-3-A <i>FOCIS 3 - Fiber Optic Connector Intermateability Standard, Type SC (ANSI/TIA/EIA-604-3-A-2000)</i> \$55.00	21	TIA-604-17 <i>FOCIS 17 - Fiber Optic Connector Intermateability Standard, Type MU (ANSI/TIA-604-17-2004)</i> \$63.00	22
		TIA/EIA-604-4-A <i>FOCIS 4 - Fiber Optic Connector Intermateability Standard, Type FC and FC-APC (ANSI/TIA/EIA-604-4-A-2000)</i> \$55.00	21	TIA-605 <i>Facsimile DCE-DTE Packet Protocol Standard (ANSI/TIA-605-92) (R2002)</i> \$46.00	52

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TIA/EIA-606-A <i>Administration Standard for Commercial Telecommunications Infrastructure</i> \$115.00	61	TIA-620AA00 <i>Blank Detail Specification for Single-Mode Fiber Optic Branching Devices for Outside Plant Applications (r2002)</i> \$47.00	25	TIA/EIA-662.013 <i>Personal Wireless Telecommunications Interoperability Standard (PWT) - Part 3 - Data Services Access Profiles A and B Class 1 (ANSI/TIA/EIA-662.013-98)</i> \$95.00	57
J-STD-607-A <i>Commercial Building Grounding and Bonding Requirements for Telecommunications (ANSI/J-STD-607-A-2002)</i> \$74.00	62	TIA-626 <i>Multimode Fiber Optic Link Transmission Design</i> \$92.00	23	TIA/EIA-663 <i>Personal Communications Interface Interoperability Standard (PCI) (ANSI/TIA/EIA-663-97)</i> \$177.00	57
TIA-6090000 <i>Generic Specification for Optical Fiber Splice</i> \$64.00	25	TIA-631-A <i>Telecommunications Telephone Terminal Equipment - Radio Frequency Immunity Requirements for Equipment Having an Acoustic Output (ANSI/TIA-631-A-2002)</i> \$66.00	57	TIA/EIA-664-A Series <i>Cellular Features Description (ANSI/TIA/EIA-664-A-2000)</i> \$343.00	3
TIA-609A000 <i>Sectional Specification for Conventional, Permanent, Optical Fiber Splice</i> \$47.00	25	TIA/EIA-637-B <i>Short Message Service for Spread Spectrum Systems (ANSI/TIA/EIA-637-B-2002)</i> \$156.00	13	TIA/EIA-667-A <i>Personal Access Communications System Wireless User Premises Equipment (PACS-WUPE) Air Interface Standard (ANSI/TIA/EIA-667-99)</i> \$292.00	57
TIA-609AA00 <i>Blank Detail Specification for Conventional, Permanent, Optical Fiber Splice</i> \$60.00	25	TIA/EIA-644-A <i>Electrical Characteristics of Low Voltage Differential Signaling (LVDS) Interface Circuits (ANSI/TIA/EIA-644-A-2001)</i> \$66.00	18	TIA-668-A <i>High Frequency Radio Facsimile (ANSI/TIA/EIA-668-A-98) (R2003)</i> \$35.00	20
TIA/EIA-612 <i>Electrical Characteristics for an Interface at Data Signaling Rates Up to 52 Mbit/s (ANSI/TIA/EIA-612-93) (R99)</i> \$58.00	18	TIA/EIA-658 <i>Data Services Interworking Function Interface for Wideband Spread Spectrum Systems (r2002)</i> \$60.00	8	TIA/EIA-678 <i>Data Transmission Systems and Equipment - Serial Asynchronous Automatic Dialing and Control for Character Mode DCE on Wireless Data Services (ANSI/TIA/EIA-678-99)</i> \$109.00	18
TIA/EIA-613 <i>High Speed Serial Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment (ANSI/TIA/EIA-613-93)(R99)</i> \$51.00	18	TIA/EIA-658-1 <i>Data Services Interworking Function Interface for Wideband Spread Spectrum Systems - Addendum 1 (r2002)</i> \$33.00	8	TIA/EIA-678-1 <i>Data Transmission Systems and Equipment - Serial Asynchronous Automatic Dialing and Control for Character Mode DCE on Wireless Data Services , Addendum 1 (ANSI/TIA/EIA-678-1-2000)</i> \$32.00	18
TIA-619 <i>Aggregation of Multiple Independent 56 kbits/s or 64 kbits/s Channels into a Synchronized Wideband Connection</i> \$133.00	56	TIA-660 <i>Uniform Dialing Procedures and Call Processing Treatment for Cellular Radio Telecommunications</i> \$87.00	1	TIA/EIA/IS-680 <i>Personal Base Station - Authorization and Call Routing Equipment Compatibility Standard</i> \$75.00	6
TIA-6200000 <i>Generic Specification for Passive Optical Branching Devices (r2002)</i> \$64.00	25	TIA/EIA-662 <i>Personal Wireless Telecommunication Standard (PWT) (ANSI/TIA/EIA-662-97)</i> \$374.00	57	TIA/EIA-683-C <i>Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems (ANSI/TIA/EIA-683-C-2001)</i> \$156.00	10
TIA-620A000 <i>Sectional Specification for Single-Mode Fiber Optic Branching Devices for Outside Plant Applications (r2002)</i> \$49.00	25				

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TIA/EIA-687 <i>Medium Speed Interface for Data Terminal Equipment and Data Circuit Terminating Equipment (ANSI/TIA/EIA-687-97) (R2001)</i> \$62.00	19	TIA-712 <i>Recommended Minimum Standards for 800 MHz Cellular Base Stations (ANSI/TIA/EIA-712-97) (R2003)</i> \$66.00	6	TIA/EIA/IS-733 <i>High Rate Speech Service Option 17 for Wideband Spread Spectrum Communication Systems</i> \$204.00	12
TIA-688 <i>DTE/DCE Interface for Digital Cellular Equipment (ANSI/TIA/EIA-688-97)</i> \$48.00	19	TIA/EIA/IS-713 <i>Narrowband Analog Air Interface Compatibility Standard for 1.9GHz Based on IS-91-A</i> \$170.00	6	TIA/EIA/IS-733-1 <i>High Rate Speech Service Option 17 for Wideband Spread Spectrum Communications Systems, Addendum 1</i> \$44.00	12
TIA/EIA-689 <i>PBX and KTS Support for Enhanced 9-1-1 Emergency Service Calling (ANSI/TIA/EIA-689-97)</i> \$49.00	56	TIA/EIA-716 <i>Telecommunications Telephone Terminal Equipment - Type 1 Caller Identity Equipment Performance Requirements (ANSI/TIA/EIA-716-98)</i> \$64.00	55	TIA/EIA/IS-733-2 <i>High Rate Speech Service Option 17 for Wideband Spread Spectrum Communication Systems, Addendum 2</i> \$42.00	12
TIA/EIA-690 <i>Recommended Minimum Standards for 800 MHz Cellular Subscriber Units (ANSI/TIA/EIA-690-2000)</i> \$87.00	7	TIA/EIA/IS-718 <i>Minimum Performance Standard for the Enhanced Variable Rate Codec, Speech Service Option 3 for Spread Spectrum Digital Systems</i> \$79.00	9	TIA-735 <i>Enhancements to TIA/EIA-41-D & TIA/EIA-664 for Advanced Features in Wideband Spread Spectrum Systems</i> \$202.00	3
TIA/EIA-691 <i>Mobile Station - Base Station Compatibility Standard for Enhanced 800 MHz Analog Cellular (ANSI/TIA/EIA-691-99)</i> \$251.00	6	TIA-723 <i>High Speed 232 Type DTE/DCE Interface (ANSI/TIA/EIA-723-98)</i> \$64.00	19	TIA/EIA-736-A <i>Recommended Minimum Performance Standard for the High Rate Speech Option 17 for Wideband Spread Spectrum Communication Systems</i> \$87.00	13
TIA/EIA-694 <i>Electrical Characteristics for an Unbalanced Digital Interface for Data Signaling Rates Up to 512 kbit/s (ANSI/TIA/EIA-694-97) (R2001)</i> \$47.00	19	TIA/EIA/IS-725-A <i>Cellular Radiotelecommunications Intersystem Operations - Over-the-Air Service Provisioning (OTASP) & Parameter Administration (OTAPA)</i> \$292.00	4	TIA-737 <i>IS-41-C Enhancements for Circuit Mode Services</i> \$274.00	3
TIA/IS-707-A-3 <i>Data Service Options for Spread Spectrum Systems, Addendum 3 - cdma2000® High Speed Packet Data Service Option 33</i> \$95.00	12	TIA/EIA/IS-727 <i>TDMA Cellular/PCS - Radio Interface - Minimum Performance Standards for Discontinuous Transmission Operation of Mobile Stations</i> \$55.00	15	TIA-751 <i>TIA/EIA-41-D Modifications to Support IMSI</i> \$95.00	3
TIA/EIA/IS-707-A <i>Data Service Options for Wideband Spread Spectrum Systems</i> \$446.00	12	TIA-728 <i>Intersystem Link Protocol (ISLP)</i> \$55.00	3	TIA-756-A <i>TIA/EIA-41-D Enhancements for Wireless Number Portability Phase II</i> \$115.00	3
TIA/EIA/IS-707-A-1 <i>Data Service Options for Wideband Spread Spectrum Systems, Addendum 1</i> \$151.00	12	TIA-730 <i>Intersystem Operations Support for the IS-136 Digital Control Channel</i> \$170.00	3	TIA-756-A-1 <i>TIA/EIA-41-D Enhancements for Wireless Portability - Phase II - Addendum 1</i> \$133.00	3
TIA/EIA/IS-707-A-2 <i>Data Service Options for Spread Spectrum Systems, Addendum 2</i> \$151.00	12	TIA/EIA-732 Series <i>Cellular Digital Packet Data System Specification Series</i> \$429.00	8	TIA/EIA-758 <i>Customer-Owned Outside Plant Telecommunications Cabling Standard (ANSI/TIA/EIA-758-99)</i> \$109.00	61

The documents are listed in numeric order regardless of alphabetical prefix

TIA/EIA-758-1 <i>Customer-Owned Outside Plant Telecommunications Cabling Standard, Addendum 1 (ANSI/TIA/EIA-758-1-1999)</i> \$38.00	61	TIA/EIA/IS-787 <i>Common ATM Satellite Interface Interoperability Specification (CASI)</i> \$49.00	53	TIA/EIA-810-A <i>Telecommunications - Telephone Terminal Equipment-Transmission Requirements for Narrowband (ANSI/TIA/EIA-810-A-2000)</i> \$90.00	58
TIA-764 <i>TIA/EIA-41-D Enhancements for Wireless Calling Name Feature Descriptions</i> \$170.00	3	TIA/EIA/IS-788 <i>Connector Specification for the Portable Phone Vehicle Interface</i> \$49.00	7	TIA/EIA/IS-811 <i>Telecommunications - Telephone Terminal Equipment - Performance and Interoperability Requirements for Voice-over-IP (VoIP) Feature Telephones</i> \$74.00	58
TIA/EIA/IS-771 <i>Wireless Intelligent Network</i> \$354.00	4	TIA/EIA-789-A <i>Electrical Specification for the Portable Phone to Vehicle Interface</i> \$64.00	7	TIA/EIA/IS-812 <i>TIA/EIA-41-D Message Segmentation</i> \$50.00	4
TIA/EIA/IS-771-1 <i>Wireless Intelligent Network - Addendum 1</i> \$32.00	4	TIA/EIA/IS-790 <i>Latch Specification for the Portable Phone to Vehicle Interface</i> \$47.00	4	TIA/EIA/IS-817 <i>A Position Determination Standard for Analog Systems</i> \$76.00	6
TIA-777-A <i>Telecommunications - Telephone Terminal Equipment - Type 2 Caller Identity Equipment Performance Requirements</i> \$60.00	55	TIA/EIA-793 <i>North American Telephone Network Transmission Model for Evaluating Analog Client and Digitally Connected Server Modems (ANSI/TIA/EIA-793-2001)</i> \$137.00	52	TIA/EIA/IS-817-1 <i>A Position Determination Standard for Analog Systems - Addendum 1</i> \$61.00	6
TIA/EIA/IS-778 <i>Wireless Authentication Enhancements Descriptions</i> \$133.00	4	TIA/EIA/IS-798 <i>Mechanical Mounting of Phone System Envelope and Mounting Requirements</i> \$60.00	7	TIA-820-A-1[E] <i>Removable User Identity Module for Spread Spectrum Systems - Addendum 1 [E] (2004)</i> \$177.00	11
J-STD-781 <i>Geo-Mobile Radio Interface Specifications: GMR2 (Series 1-6)</i> \$428.00	54	TIA-801-A <i>Position Determination Service Standard for Dual Mode Spread Spectrum Systems (2004)</i> \$262.00	11	TIA/IS-820-A <i>Removable User Identity Module for Spread Spectrum Systems</i> \$156.00	12
J-STD-782 <i>Geo-Mobile Radio Interface Specifications: GRM-1 (Series 1-7)</i> \$417.00	54	TIA/EIA/IS-804 <i>Terrestrial Land Mobile Radio - Antenna Systems - Standard Format for Digitized Antenna Patterns</i> \$64.00	45	TIA/EIA/IS-823-A <i>TTY/TDD Extension to TIA/EIA-136-410 Enhanced Full Rate Speech Codec (must be used in conjunction with TIA/EIA/IS-840)</i> \$87.00	16
TIA/EIA-785 <i>100 Mb/s Physical Layer Medium Dependent Sublayer and 10 Mb/s Auto-Negotiation on 850 nm Fiber Optics (ANSI/TIA-785-2001)</i> \$71.00	23	TIA/EIA/IS-807 <i>TIA/EIA-41-D Enhancements for Internationalization</i> \$115.00	4	TIA/EIA/IS-824 <i>Generic Broadcast Teleservice Transport Capability - Network Perspective</i> \$91.00	5
TIA-785-1 <i>100 Mb/s Physical Layer Medium Dependent Sublayer and 10 Mb/s Auto-Negotiation on 850 nm Fiber Optics, Addendum 1 (ANSI/TIA-785-1-2001)</i> \$74.00	23	TIA/EIA/IS-807-1 <i>TIA/EIA-41-D Enhancements for Internationalization, Addendum 1</i> \$34.00	4	TIA-825 <i>A Frequency Shift Keyed Modem for Use on the Public Switched Telephone Network (ANSI/TIA-825-2000)</i> \$41.00	19
TIA/EIA/IS-786 <i>Automatic Code Gapping</i> \$95.00	4	TIA/EIA/IS-808 <i>Incorporating UIM into 3G and IMT-2000 Systems</i> \$133.00	4		

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TIA-826-A <i>TIA/EIA-41-D Based Pre-Paid Charging Enhancements for Circuit-Switched Data and Short Message Services</i> \$195.00	4	TIA-845 <i>Radiowave Propagation - Path Loss - Measurement, Validation, and Presentation</i> \$58.00	44	TIA-866 <i>Recommended Minimum Performance Standards for cdma2000® High Rate Packet Data Access Terminal (2002)</i> \$193.00	10
TIA/EIA-828 <i>BTS-BSC Inter-Operability (Abis Interface)</i> \$156.00	1	TIA/EIA/IS-847-A <i>Roamer Database Verification</i> \$66.00	5	TIA-870-1[E] <i>Test Data Service Option (TDSO) for cdma2000® Spread Spectrum Systems, Addendum 1 [E] (2004)</i> \$163.00	13
TIA/EIA-829 <i>Tandem Free Operation (TFO)</i> \$133.00	1	TIA/EIA/IS-848 <i>Enhanced Charging Services</i> \$251.00	5	TIA/EIA/IS-870 <i>Test Data Service Option (TDSO) for cdma2000® Spread Spectrum Systems (2001)</i> \$156.00	13
TIA/EIA/IS-833 <i>G3G CDMA-MC to GSM-MAP</i> \$202.00	11	TIA/EIA-854 <i>A Full Duplex Ethernet Specification for 1000 Mbits/s (1000BASE-TX) Operating Over Category 6 Balanced Twisted-Pair Cabling (ANSI/TIA/EIA-854-2001)</i> \$71.00	61	TIA/EIA/IS-871 <i>Markov Service Option (MSO) for cdma2000® Spread Spectrum Systems (2001)</i> \$115.00	12
TIA/EIA/IS-834 <i>G3G CDMA-DS to ANSI/TIA/EIA-41</i> \$156.00	11	TIA/EIA-855 <i>Telecommunications - Telephone Terminal Equipment - Stutter Tone Detection Device Performance Requirements (ANSI/TIA/EIA-855-2001)</i> \$62.00	55	TIA-872 <i>IP Network for cdma2000® Spread Spectrum Systems - 3GPP2 All-IP Core Network Enhancements for Legacy MS Domain-Step 1 (2002)</i> \$64.00	4
TIA-835-C <i>cdma2000® Wireless IP Network Standard</i> \$211.00	8	TIA-856-A <i>cdma2000® High Rate Packet Data Air Interface Specification (2004)</i> \$403.00	9	TIA-873 <i>IP Network for cdma2000® Spread Spectrum Systems (2003)</i> \$347.00	4
TIA/EIA/IS-837 <i>TIA/EIA-41-D Based Network Enhancements for Answer Hold (AH)</i> \$71.00	5	TIA-856-2[E] <i>cdma2000® High Rate Packet Data Air Interface Specification - Addendum 2[E] (2004)</i> \$460.00	10	TIA/EIA/IS-875 <i>Enhanced International Dialing Number Identification and Callbacks, Calling Party Category Identification (2001)</i> \$58.00	5
TIA/EIA/IS-838 <i>TIA/EIA-41-D Based Network Enhancements for User Selective Call Forwarding (USCF)</i> \$74.00	5	TIA/EIA/IS-856 <i>cdma2000® High Rate Packet Data Air Interface Specification</i> \$604.00	10	TIA-876 <i>North American Network Access Transmission Model for Evaluating xDSL Modem Performance (ANSI/TIA-876-2002)</i> \$170.00	53
TIA/EIA/IS-839 <i>R-UIM Overview, Operation, and File Structure Support in TIA/EIA-136, Rev A</i> \$115.00	15	TIA/EIA/IS-856-1 <i>cdma2000® High Rate Packet Data Air Interface Specification - Addendum 1</i> \$322.00	10	TIA-878 <i>Inter-operability Specification (IOS) for High Rate Packet Data (HRPD) Network Access Interfaces (2001)</i> \$156.00	8
TIA/EIA/IS-840-A <i>Minimum Performance Standards for Text Telephone Signal Detector and Text Telephone Signal Regenerator (must be used in conjunction with TIA/EIA/IS-823-A)</i> \$87.00	16	TIA/EIA-862 <i>Building Automation Systems Cabling Standard for Commercial Buildings (2002)</i> \$74.00	61	TIA-878-1 <i>Inter-operability Specification (IOS) for High Rate Packet Data (HRPD) Network Access Interfaces, Addendum 1 (2001)</i> \$163.00	8
TIA/EIA/IS-841 <i>TIA/EIA-41-D Based Network Enhancements for MDN Based Message Centers</i> \$74.00	5	TIA-864 <i>Recommended Minimum Performance Standards for cdma2000® High Rate Packet Data Access Network Equipment (2002)</i> \$161.00	10		

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TIA/EIA/IS-880 <i>TIA-41-D Based Network Enhancements for CDMA Packet Data Services (C-PDS), Phase 1 (2002)</i> \$170.00	5	TIA-902.BAAC <i>Project 25 - Wideband Air Interface Media Access Control/Radio Link Adaption (MAC/RLA) Layer Specification Public Safety Wideband Data Standards Project Digital Radio Technical Standards (2002)</i> \$133.00	44	TIA-902.CAAA <i>Radio Communications - Public Safety Wideband Data Equipment - Performance Measurement Procedures (2003)</i> \$115.00	45
TIA-881 <i>TIA/EIA-41-D Location Services Enhancements (2004)</i> \$211.00	2	TIA-902.BAAD-A <i>Wideband Air Interface (SAM) Radio Channel Coding Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (ANSI/TIA-902.BAAD-A-2003)</i> \$77.00	44	TIA-902.CAAB <i>Radio Communications - Performance Recommendations - Public Safety Wideband Data Equipment - Scalable Adaptive Modulation (SAM) (2003)</i> \$87.00	45
TIA/EIA/IS-883 <i>Telecommunications - Telephone Terminal Equipment - Supplemental Technical Requirements for Connection of Stutter Dial Tone Detection Dweives and ADSL Modems to the Telephone Network (2001)</i> \$40.00	56	TIA-902.BAAE <i>Wideband Air Interface - Logical Link Control (LLC) Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2002)</i> \$74.00	44	TSB-902.A <i>Digital Radio Technical Standards - Public Safety Wideband Data Standards Project - Wideband Data System and Standards Definition (2001)</i> \$64.00	47
TIA-889-A <i>Minimum Performance Specification for Text Telephone Signal Detector and Text Telephone Signal Regenerator (2003)</i> \$51.00	14	TIA-902.BAAF <i>Wideband Air Interface Mobility Management (MM) Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)</i> \$120.00	44	TIA-904 <i>KA-band Satellite Systems RF Compatibility Requirements (2001)</i> \$60.00	53
TIA/EIA/IS-890 <i>Test Application Specification (TAS) for High Rate Packet Data Air Interface (2001)</i> \$81.00	10	TIA-902.BAEB <i>Wideband Air Interface Packet Data Specification (PDS) - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)</i> \$91.00	44	TIA-912 <i>Telecommunications IP Telephony Equipment Voice Gateway Transmission Requirements (2002)</i> \$95.00	59
TIA-895-A <i>CDMA Tandem Free Operation (ANSI/TIA/EIA-895-2002)</i> \$115.00	8	TIA-902.BBAB <i>Wideband Air Interface - Isotropic Orthogonal Transform Algorithm (IOTA) - Physical Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)</i> \$74.00	45	TIA-915 <i>CDMA Card Application Toolkit (CCAT) (2003)</i> \$64.00	8
TIA-898 <i>Signaling Conformance Tests for cdma2000® Spread Spectrum Systems (2001)</i> \$304.00	10	TIA-902.BBAD <i>Wideband Air Interface - Isotropic Orthogonal Transform Algorithm (IOTA) - Radio Channel Coding (CHC) Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)</i> \$120.00	45	TIA-916 <i>Recommended Minimum Performance Specification for TIA/EIA/IS-801-1 Spread Spectrum Mobile Stations (2002)</i> \$156.00	11
TIA/EIA-899 <i>Electrical Characteristics of Multipoint-Low-Voltage Differential Signaling (M-LVDS) Interface Circuits for Multipoint Data Interchange (ANSI/TIA/EIA-899-2002)</i> \$74.00	19			TIA-918 <i>Signaling Conformance Standard for cdma2000® Wireless IP Networks (2002)</i> \$95.00	58
TIA-902.BAAB-A <i>Wideband Air Interface Scalable Adaptive Modulations (SAM) Physical Layer Specifications - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (ANSI/TIA-902.BAAB-A-2003)</i> \$99.00	44			TIA-919 <i>Signaling Conformance Standard for cdma2000® High Rate Packet Data Air Interface (2002)</i> \$115.00	10
				TIA-920 <i>Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Wideband Digital Wireline Telephones (2002)</i> \$87.00	58

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TIA-923 <i>Link Layer Assisted Service Options for Voice-Over-IP: Header Removal (SO 60) and Robust Header Compression (SO 61) (2003)</i> \$67.00	14	TIA-946 <i>Enhanced Cryptographic Algorithms (2003)</i> \$Call for Pricing	2	TIA-1014 <i>Removable User Identity Module Conformance Testing for Spread Spectrum Systems (2004)</i> \$Call for Pricing	8
TIA-925 <i>Enhanced Subscriber Privacy for cdma2000® High Rate Packet Data (2002)</i> \$71.00	10	TIA-968-A <i>Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network (ANSI/TIA-968-A-2002)</i> \$170.00	55	TIA-1015 <i>File Formats for Multimedia Services for cdma2000® Spread Spectrum Systems (2003)</i> \$77.00	11
TIA-926 <i>Circuit Switched Video Conferencing Services (2002)</i> \$60.00	14	TIA-968-A-1 <i>Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network, Addendum 1 (ANSI/TIA-968-A-2003)</i> \$58.00	56	TIA-1019 <i>Structural Standards for Steel Gin Poles Used for Installation of Antenna Towers and Antenna Supporting Structures (ANSI/TIA-1019-2004)</i> \$77.00	1
TIA-929 <i>Terrestrial Land Mobile Radio Antenna Systems - Standard Format for Digitized Filter Characteristics (2003)</i> \$67.00	44	TIA-968-A-2 <i>Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network, Addendum 2 (ANSI/TIA-968-A-2-2004)</i> \$37.00	56	TIA/TR-1026 <i>TR-61282-5 Fiber Optic Communication System Design Guides - Part 5: Accommodation and Compensation of Dispersion (ANSI/TIA-TR-1026-2004)</i> \$63.00	44
TIA-930 <i>Legacy Mobile Station Domain (LMSD) (2003)</i> \$45.00	8	TIA-1006 <i>CDMA2000® High Rate Broadcast-Multicast Packet Data Air Interface Specification (2004)</i> \$139.00	1	TIA/TR-1028 <i>IEC 61280-7: Fibre Optic Communication System Design Guides - Part 7: Statistical Calculation for Chromatic Dispersion (ANSI/TIA/TR-1028-2004)</i> \$58.00	43
TIA-934 <i>Multimedia Messaging Service (MMS) Specification (2003)</i> \$262.00	11	TIA-1008 <i>IP Over Satellite (IPoS) (2003)</i> \$211.00	54	TIA/TR-1029 <i>IEC 61280-3: Fibre Optic Communication System Design Guides - Part 3: Calculation of Polarization Mode Dispersion (ANSI/TIA/TR-1029-2004)</i> \$77.00	44
TIA-935 <i>TIA/EIA-41-D Enhancements for Circuit-Switched Call Precedence over CDMA Packet Data Session (CPOP) (2003)</i> \$63.00	9	TIA-1010 <i>IP Based Over-the-Air Handset Configuration Management (IOTA-HCM) (2003)</i> \$91.00	11	TIA-1030 <i>Band Class Specification for cdma2000® Spread Spectrum Systems (2004)</i> \$120.00	1
TIA-937 <i>Open Service Access (OSA); Application Programming Interface (API) (2003)</i> \$67.00	9	TIA-1011 <i>Multimedia Messaging Service (MMS) Media Format and Codecs for cdma2000® Spread Spectrum Systems (2003)</i> \$58.00	11	TIA-1878 <i>Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Access Network Interfaces - Alternative Architecture (2003)</i> \$211.00	10
TIA-939 <i>Procedures for Automatic Interworking Between T.30, V.18 bis, V.8, and V.32/Annex A Automode Modems and V.32 bis, V.32, V.22 bis, V.22, V.21, V.23, 212-Type and 103-Type Modems (ANSI/TIA-939-2003)</i> \$48.00	19	TIA-1013 <i>Mobile Equipment (ME) Conformance Testing for cdma2000® Spread Spectrum Standards (2003)</i> \$74.00	8	TIA-20000, Release D <i>Introduction to cdma2000® Spread Spectrum Systems, Release D (2004)</i> \$535.00	14

The documents are listed in numeric order regardless of alphabetical prefix

TIA/EIA/IS-2000 14
*cdma2000® Standards for Spread
Spectrum Systems (2000)*
\$1,583.00

TIA/EIA/IS-2000, Release A 14
*cdma2000® Standards for Spread
Spectrum Systems, Release A
(2001)*
\$514.00

TIA/EIA/IS-2000, Release B 14
*Introduction to cdma2000® Spread
Spectrum Systems, Release B
(2002)*
\$Call for Pricing

TIA/EIA/IS-2000, Release C 14
*Introduction to cdma2000® Spread
Spectrum Systems, Release C
(2002)*
\$Call for Pricing

TSB-2000 14
*Capabilities Requirements Mapping
for cdma2000® Standards (1999)*
\$46.00

TIA-2001, Release C 13
*Interoperability Specifications (IOS)
for cdma2000® Access Network
Interfaces - Release C (2003)*
\$414.00

TIA/EIA/IS-2001 13
*Interoperability Specifications (IOS)
for cdma2000® Access Network
Interfaces*
\$Call for Pricing

TIA/EIA/IS-2001, Release A 13
*Interoperability Specifications (IOS)
for cdma2000® Access Network
Interfaces - Release A (2001)*
\$374.00

TIA/EIA/IS-2001, Release B 14
*Interoperability Specifications (IOS)
for cdma2000® Access Network
Interfaces - Release B (2002)*
\$387.00

TIA/EIA-3700 52
*Telephone Network Transmission
Model for Evaluating Analog
Modem Performance
(ANSI/TIA/EIA-3700-99)*
\$86.00

ANTENNAS**TIA-222-F*****Structural Standards for Steel Antenna Towers and Antenna Supporting Structures (ANSI/TIA/EIA-222-F-96)(R2003)***

The objective of this document is to provide minimum criteria for specifying and designing steel antenna towers and antenna supporting structures. This Standard is not intended to supersede applicable codes. The information contained in this Standard was obtained from sources as referenced and noted herein represents, in the judgement of the subcommittee, the accepted industry practices for minimum standards for the design of steel antenna supporting structures. This document contains a county by county listing of minimum basic wind speeds, as well as, a commentary on ice and other design criteria. It is for general information only.

Product Code 3 Mar, 1996 **COMMITTEE: TR-14.7**
\$108.00

TIA-329-C***Minimum Standards for Communication Antennas, Part 1: Base Station Antennas***

This document defines terms and conditions of measurement used to ascertain the performance of antennas within the scope of this document and to make possible a comparison of the results of measurements made by different observers on different equipment. TIA-329-B deals only with linearly polarized antennas for use in frequency range 25 MHz to 1 GHz.

Product Code 3 Aug, 2003 **COMMITTEE: TR-8.11**
\$69.00

TIA-411-A***Electrical and Mechanical Characteristics of Earth Station Antennas for Satellite Communications***

This document provides standard terms, definitions, and concepts for the mechanical and RF design of earth station antennas, and to offer a standard methodology for the verification of RF performance compatible with current technology and test equipment.

Product Code 3 Sept, 1986 **COMMITTEE: TR-34.2**
\$146.00

TIA-1019***Structural Standards for Steel Gin Poles Used for Installation of Antenna Towers and Antenna Supporting Structures (ANSI/TIA-1019-2004)***

This document provides minimum criteria for design and use of steel gin poles for installation of antennas and antenna supporting structures.

Product Code 3 Jan, 2004 **COMMITTEE: TR-14.7**
\$77.00

CELLULAR**CDMA****TIA-1006*****CDMA2000® High Rate Broadcast-Multicast Packet Data Air Interface Specification (2004)***

This document ensures that a compliant access terminal can obtain service through any access network conforming to this standard.

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.5**
\$139.00

TIA-1030***Band Class Specification for cdma2000® Spread Spectrum Systems (2004)***

This document defines the band classes of the CDMA Spreading Rate 1 and Spreading Rate 3 multi-carrier air interface standard

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.5**
\$120.00

GENERAL**TIA-660*****Uniform Dialing Procedures and Call Processing Treatment for Cellular Radio Telecommunications***

This document provides the recommendations for the dialing plan and call processing treatment for use in Cellular Radio Telecommunications systems within the North American Numbering Plan (NANP). The scope of this Standard is limited to the description of dialing sequences and recommended treatment applicable to calls originated by cellular subscribers. The dialing sequences consist of the dialed digits which are carried from Mobile Station (MS) to the initial call processing point (e.g., the Mobile Switching Center). The adoption of a dialing plan is independent of a Cellular Radio telecommunications numbering plan. The development of a numbering plan is beyond the scope of this document.

Product Code 3 May, 1996 **COMMITTEE: TR-45.2**
\$87.00

TIA/EIA-828***BTS-BSC Inter-Operability (Abis Interface)***

This document is the specification for the Abis Interface between the Base Transceiver System (BTS) and Base Station Controller (BSC) for the IS-2000 System. The Signaling flows and these signals are described.

Product Code 3 Nov, 2001 **COMMITTEE: TR-45.4**
\$156.00

TIA/EIA-829***Tandem Free Operation (TFO)***

This service description document details the Inband Signaling Protocol between Transcoder/Rate Adapter Units (TRAU) for speech traffic channels for the Tandem Free Operation (TFO) of Speech Codecs, sometimes also termed "Vocoder Bypass"

Product Code 3 Aug, 2001 **COMMITTEE: TR-45.4**
\$133.00

CELLULAR, GENERAL (cont.)

TIA-946

Enhanced Cryptographic Algorithms (2003)

This document describes detailed cryptographic procedures for wireless system applications. These procedures are used to perform the security services of mutual authentication between mobile stations and base stations, subscriber message encryption, and key agreement within wireless equipment

Product Code 3 June, 2003 **COMMITTEE: TR-45**
\$Call for Pricing

TSB-16-A

Assignment of Access Overload Classes in the Cellular Telecommunications Services (2001)

This document defines a method for the uniform use of Access Overload Classes. This Bulletin also provides a definition of an Authorized Emergency Mobile Station, for guidance in establishing which mobile stations should be assigned to the emergency mobile station overload class.

Product Code 3 June, 2001 **COMMITTEE: TR-45.1**
\$40.00

TSB-29-E

International Implementation of Wireless Telecommunication Systems Compliant with TIA/EIA-41 (2002)

This document provides the international wireless telecommunications industry with the framework permitting the coordinated implementation of Wireless Radio Telecommunication Systems in compliance with the provisions of the AMPS family of air interface standards.

Product Code 3 Dec, 2002 **COMMITTEE: TR-45.2**
\$47.00

TSB-35

Cellular Mobile Receiver Dynamic Range (1992)

This document addresses the problem where cellular carriers and their customers have been experiencing degraded mobile unit receiver performance when these units are operated in close proximity to certain cell sites belonging to the competitive system. Typical complaints are of dropped or noisy calls or even total loss of service. It has been suggested that the cause of these problems is noise and/or intermodulation products emanating from the nearby cell. A more likely cause is a lack of sufficient dynamic range in the mobile's receiver front end.

Product Code 3 Apr, 1992 **COMMITTEE: TR-45.1**
\$34.00

TSB-39-B

Message Type Assignments for the Extended Protocol Facility of TIA/EIA-136, TIA-691 and TIA/EIA/IS-2000 (2003)

This document records registered message type codes. TSB39-B provides a single master list of the message type codes that have been registered for TIA/EIA-136, TIA-691, TIA/EIA/IS-2000. Its purpose is to avoid confusion that may result from multiple assignments.

Product Code 3 Aug, 2003 **COMMITTEE: TR-45**
\$35.00

TSB-50

User Interface for Authentication Key Entry (r2003)

This document recommends a uniform approach for entry, revision and display of the A-key, while providing the maximum flexibility for carriers.

Product Code 3 Jan, 2003 **COMMITTEE: TR-45.3**
\$34.00

TSB-100-A

Wireless Network Reference Model

This document recommends the basic TR-45 wireless network reference model depicting circuit-mode operations that include network entities and reference points.

Product Code 3 Mar, 2001 **COMMITTEE: TR-45**
\$55.00

INTERSYSTEM OPERATION

TIA-881

TIA/EIA-41-D Location Services Enhancements (2004)

This document specifies the enhancements of the location services to TIA/EIA-41-D systems

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.2**
\$211.00

INTERSYSTEM STANDARDS

TIA/EIA-41-D

Cellular Radiotelecommunications Intersystem Operations (ANSI/TIA/EIA-41-D-97)

This document identifies those cellular services that require intersystem cooperation, to present the general background against which those services are to be provided, and to summarize the principal considerations which have governed and directed the particular approaches taken in the procedural recommendations. This document replaces TIA/EIA/IS-41-D.

Product Code 3 Dec, 1997 **COMMITTEE: TR-45.2**
\$821.00

TIA/EIA-41-D-1

Cellular Radiotelecommunications Intersystem Operations - Addendum 1 (ANSI/TIA/EIA-41-D-1-97)

This addendum reflects changes to the recommended TCAP package type for the InterSystemSetup RETURN RESULT recommendation within published TIA/EIA-41.5.

Product Code 3 Dec, 1997 **COMMITTEE: TR-45.2**
\$38.00

TIA/EIA-93-B

Wireless Telecommunications Ai-Di Interfaces Standard (ANSI/TIA/EIA-93-B-2001)

The purpose of this document is to enable the Cellular Carrier and an Exchange Carrier, Interexchange Carrier, International Carrier, Consolidated Carrier or other carrier to provide interconnecting equipment that operates compatibly. This document provides signaling protocol requirements for the interface located between a Cellular Carrier Network and an EC, IC, INC, Consolidated Carrier or other carrier network.

Product Code 3 July, 2001 **COMMITTEE: TR-45.2**
\$115.00

CELLULAR, INTERSYSTEM STANDARDS (cont.)

TIA/EIA-124-D

Wireless Radio Telecommunications Intersystem Non-Signaling Data Communication DMH (Data Message Handler) (ANSI/TIA/EIA-124-D-2001)

This document describes the procedures and messages necessary to provide to wireless service providers non-signaling data communications requiring interaction between different wireless systems.

Product Code 3 Dec, 2001 COMMITTEE: TR-45.2 \$346.00

TIA/EIA-664-A Series

Cellular Features Description (ANSI/TIA/EIA-664-A-2000)

This document presents a recommended plan for the implementation of Uniform Features for use in the Cellular Radiotelephone Service. Its intent is to describe services and features so that the manner in which a subscriber may place calls using such features and services may remain reasonably consistent from system to system.

Product Code 3 Dec, 2000 COMMITTEE: TR-45.2 \$343.00

TIA-728

Intersystem Link Protocol (ISLP)

This document specifies an Intersystem Link Protocol (ISLP) for circuit-mode data services. These data services include Asynchronous Data (ADS) and Group-3 Fax as specified in the most current editions of IS-99 and IS-135. The ISLP adapts between air-interface data rates and higher-speed intersystem rates. The ISLP may be used between a serving system and an anchor system, possibly through one or more tandem systems. This document comprises the following sections: overview, ISLP structure and processes, ISLP enabling and disabling procedures, terminology and references.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$55.00

TIA-730

Intersystem Operations Support for the IS-136 Digital Control Channel

This document identifies the necessary Stage 1 descriptions, as well as Stage 2 and Stage 3 changes and additions to IS-41-C, in order to support basic roaming and handoff scenarios for wireless systems following the IS-136-A air interface application.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$170.00

TIA-735

Enhancements to TIA/EIA-41-D & TIA/EIA-664 for Advanced Features in Wideband Spread Spectrum Systems

The document contains modifications and additions to TIA/EIA-41-D, "Cellular Radiotelecommunications Intersystem Operations," and TIA/EIA-664, "Cellular Features Description," that are required to support advanced features for code division multiple access. For this revision, these features include network directed system selection and subscriber confidentiality supported by temporary mobile station identity.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$202.00

TIA-737

IS-41-C Enhancements for Circuit Mode Services

This telecommunication service allows digital wireless subscribers to send and receive asynchronous data. ADS provides functionality similar to a wireline modem in that the data is modified to make it suitable for transporting over the appropriate medium. Both wireless and wireline media are accommodated to support interworking between the two networks in a way that is transparent to the terminal equipment. The subscriber's terminal equipment interfaces to a conventional DCE data port. The far-end DCE interworks each end function as if connected to a compatible device. ADS is applicable to data telecommunication services. ADS is applicable to voice services in those cases where a voice call is made prior to a user initiated voice to data service change.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$274.00

TIA-751

TIA/EIA-41-D Modifications to Support IMSI

This document provides modifications to support International Mobile Station Identity (IMSI) and should be used in parallel with TIA/EIA-41-D.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$95.00

TIA-756-A

TIA/EIA-41-D Enhancements for Wireless Number Portability Phase II

This document specifies the ANSI/TIA/EIA-41-D network impacts of Number Portability, specifically service provider portability, as mandated by the Federal Communication Commission in docket No. 95-116. Service provider portability is the ability of end users to retain the same telephone numbers whenever the end users change from one service provider to another.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$115.00

TIA-756-A-1

TIA/EIA-41-D Enhancements for Wireless Portability - Phase II - Addendum 1

This addendum identifies the changes to TIA/EIA/IS-756-A Assumption section that are needed to support Number Portability (NP) Query for emergency services calls that have portable called numbers

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$133.00

TIA-764

TIA/EIA-41-D Enhancements for Wireless Calling Name Feature Descriptions

This document describes CNAP and CNAR features, and specifies the operation of CNAP and CNAR so that a roaming wireless subscriber can use these features in a seamless manner.

Product Code 3 Jan, 2002 COMMITTEE: TR-45.2 \$170.00

CELLULAR, INTERSYSTEM STANDARDS (cont.)

TIA-826-A

TIA/EIA-41-D Based Pre-Paid Charging Enhancements for Circuit-Switched Data and Short Message Services

Pre-paid charging (PPC) allows the subscriber to pay for voice telecommunication services prior to usage. This document presents a recommended plan for the implementation of Wireless Intelligent Network (WIN) capabilities that support PPC for use in the Wireless Radiotelephone Service.

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.2**
\$195.00

TIA-872

IP Network for cdma2000® Spread Spectrum Systems - 3GPP2 All-IP Core Network Enhancements for Legacy MS Domain-Step 1 (2002)

This document defines the MSCe-to-MSCs IP signaling interface-"zz" used to support the Media Gateway-to-Media Gateway bearer streams interface-"yy".

Product Code 3 Dec, 2002 **COMMITTEE: TR-45.2**
\$64.00

TIA-873

IP Network for cdma2000® Spread Spectrum Systems (2003)

This document contains the introduction of the Stage-1, Stage-2, and Stage-3 recommendations for the 3GPP2 All IP Multimedia Domain

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.2**
\$347.00

TIA/EIA/IS-725-A

Cellular Radiotelecommunications Intersystem Operations - Over-the-Air Service Provisioning (OTASP) & Parameter Administration (OTAPA)

This document includes a Stage-1 recommendation for Over-the-Air Service Provisioning (OTASP) subscriber feature description, provides intersystem operation recommendations for supporting the OTASP capability for the CDMA and TDMA air interfaces with Stage-2 operations, scenarios and Stage-3 operations and parameter definitions, plus Stage-3 procedures.

Product Code 3 July, 1999 **COMMITTEE: TR-45.2**
\$292.00

TIA/EIA/IS-771

Wireless Intelligent Network

This document outlines operational procedures and modifications for TIA/EIA-664.

Product Code 3 July, 1999 **COMMITTEE: TR-45.2**
\$354.00

TIA/EIA/IS-771-1

Wireless Intelligent Network - Addendum 1

This addendum corrects Section 5.1.2 Signaling Connection Control Part of the original document

Product Code 3 July, 1999 **COMMITTEE: TR-45.2**
\$32.00

TIA/EIA/IS-778

Wireless Authentication Enhancements Descriptions

This document is to identify the authentication enhancements which need to be standardized in wireless systems, and to specify the operation of the enhancements so that a roaming wireless subscriber will be authenticated in a seamless manner. To accomplish this, the selected subset consists of intersystem operations which are to be used when roaming.

Product Code 3 Mar, 1999 **COMMITTEE: TR-45.2**
\$133.00

TIA/EIA/IS-786

Automatic Code Gapping

This document presents a recommended plan for the implementation of Automatic Code Gapping (ACG) for use in the Wireless Radiotelephone Service.

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.2**
\$95.00

TIA/EIA/IS-790

Latch Specification for the Portable Phone to Vehicle Interface

This document defines a latching system which will allow the consumer the ability to mount and remove consumer electronics products into the vehicle in an entirely convenient fashion

Product Code 3 Mar, 2000 **COMMITTEE: TR-45.1**
\$47.00

TIA/EIA/IS-807

TIA/EIA-41-D Enhancements for Internationalization

This document specifies the ANSI/TIA/EIA-41-D chapters 1, 3, 5, and 6 enhancements that are necessary to support international intersystem operations.

Product Code 3 Aug, 1999 **COMMITTEE: TR-45.2**
\$115.00

TIA/EIA/IS-807-1

TIA/EIA-41-D Enhancements for Internationalization, Addendum 1

This addendum corrects an error in TIA/EIA/IS-807

Product Code 3 Aug, 1999 **COMMITTEE: TR-45.2**
\$34.00

TIA/EIA/IS-808

Incorporating UIM into 3G and IMT-2000 Systems

this document presents Stage-1 enhancements, Stage-2, and Stage 3 recommendations for supporting a mobile station equipped with a User Identity Module (UIM)

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.2**
\$133.00

TIA/EIA/IS-812

TIA/EIA-41-D Message Segmentation

This document describes the enhancements to enable a wireless system to determine whether lower layer message segmentation is supported when communicating with another system.

Product Code 3 Aug, 1999 **COMMITTEE: TR-45.2**
\$50.00

CELLULAR, INTERSYSTEM STANDARDS (cont.)

TIA/EIA/IS-824

Generic Broadcast Teleservice Transport Capability - Network Perspective

This document describes the transfer of a message to several MSCs, and its successful delivery to MS-based SMEs via their respective Serving MSCs.

Product Code 3 Nov, 1999 **COMMITTEE: TR-45.2**
\$91.00

TIA/EIA/IS-837

TIA/EIA-41-D Based Network Enhancements for Answer Hold (AH)

This document presents Stage-1 recommendations for supporting the Answer Hold (AH) feature use in the Wireless Radiotelephone Service.

Product Code 3 July, 2000 **COMMITTEE: TR-45.2**
\$71.00

TIA/EIA/IS-838

TIA/EIA-41-D Based Network Enhancements for User Selective Call Forwarding (USCF)

This document presents Stage-1 (new chapter TIA/EIA-664-B), Stage-2 (TIA/EIA-41.3-D enhancements), and Stage-3 (TIA/EIA-41.6-D enhancements) recommendations for supporting the User Selective Call Forwarding (USCF) feature in the Wireless Radiotelephone Service.

Product Code 3 Aug, 2000 **COMMITTEE: TR-45.2**
\$74.00

TIA/EIA/IS-841

TIA/EIA-41-D Based Network Enhancements for MDN Based Message Centers

This document is intended to identify TIA/EIA-41-D (Wireless Number Portability - Phase III) technical enhancements required to support SMS (Short Message Services) delivery to MDN (Mobile Directory Number) based MCs (Message Centers).

Product Code 3 Sept, 2000 **COMMITTEE: TR-45.2**
\$74.00

TIA/EIA/IS-847-A

Roamer Database Verification

This document presents a recommended plan for the implementation of Roamer Database Verification (RDV) for use in the wireless radiotelephone service

Product Code 3 July, 2002 **COMMITTEE: TR-45.2**
\$66.00

TIA/EIA/IS-848

Enhanced Charging Services

Premium Rate Charging (PRC), Freephone (FPH) and Advice of Charging (AOC) are charging related services that provide a set of advanced wireless charging capabilities.

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.2**
\$251.00

TIA/EIA/IS-875

Enhanced International Dialing Number Identification and Callbacks, Calling Party Category Identification (2001)

This document describes the enhanced international dialing and calling number identification and callback network capabilities and the intersystem operations to enable a wireless system to these capabilities

Product Code 3 May, 2001 **COMMITTEE: TR-45.2**
\$58.00

TIA/EIA/IS-880

TIA-41-D Based Network Enhancements for CDMA Packet Data Services (C-PDS), Phase 1 (2002)

This document specifies the wireless intersystem network operation enhancements required for supporting roaming subscribers with Packet Data Service

Product Code 3 July, 2002 **COMMITTEE: TR-45.2**
\$170.00

TSB-76

IS-41-C Enhancements for PCS Multi-Band Support

This document presents recommendations for supporting Multi-Band Handoffs. It defines Multi-Band handoffs to include: intra-band intersystem handoffs (800 MHz Cellular to 800 MHz Cellular and 1800 MHz PCS to 1800 MHz PCS); inter-band intersystem handoffs (1800 MHz PCS to 800 MHz Cellular and 800 MHz Cellular to 1800 MHz PCS); and handoffs for Mobile Stations (MS) supporting AMPS, CDMA, NAMPS and TDMA operating modes. This document is a companion document to TIA/EIA-41-D, even though the title refers to a previous version.

Product Code 3 Sept, 1996 **COMMITTEE: TR-45.2**
\$87.00

TSB-114

Wireless Network Communication for Emergency Message Broadcast (EMB)

This document defines requirements for broadcasting an announcement of a national, state, or local emergency to the mobile stations (MSs) used for cellular or personal communication services.

Product Code 3 Dec, 1999 **COMMITTEE: TR-45.2**
\$55.00

TSB-124

Support for Pre-paid

This document introduces a difference between TIA/EIA/IS-771 and TIA/EIA/IS-827 with respect to MSC processing of the Termination List parameter.

Product Code 3 Oct, 2000 **COMMITTEE: TR-45.2**
\$40.00

CELLULAR/ANALOG

BASE STATIONS

TIA/EIA-553-A

Mobile Station - Base Station Compatibility Standard (ANSI TIA/EIA-553-A-99)

The technical requirements contained in this document form a compatibility standard for cellular mobile telecommunication systems. Their purpose is to ensure that a mobile station can obtain service in any cellular system. These requirements do not address the quality or reliability of that service, nor do they cover equipment performance or measurement procedures.

Product Code 3 Oct, 1999 **COMMITTEE: TR-45.1**
\$156.00

CELLULAR/ANALOG, BASE STATIONS (cont.)

TIA/EIA-691

Mobile Station - Base Station Compatibility Standard for Enhanced 800 MHz Analog Cellular (ANSI/TIA/EIA-691-99)

This document describes technical requirements that form a compatibility standard for cellular radio telecommunications systems.

Product Code 3 Oct, 1999 **COMMITTEE: TR-45.1**
\$251.00

TIA-712

Recommended Minimum Standards for 800 MHz Cellular Base Stations (ANSI/TIA/EIA-712-97) (R2003)

This document details definitions, methods of measurement and minimum performance characteristics of 800 MHz cellular base stations. These standards share the purpose of the Cellular System Mobile Station-Land Station Compatibility Specification TIA/EIA-553 of assuring that cellular systems in conjunction with their base-station equipment provide service to any subscriber unit that meets the compatibility requirements of TIA/EIA-553.

Product Code 3 Aug, 2003 **COMMITTEE: TR-45.1**
\$66.00

TIA/EIA/IS-91-A

Base Station - Mobile Station Compatibility Specification for 800 MHz Cellular, Auxiliary, and Residential Services

This document forms a compatibility standard for a cellular radio telecommunications system. Its purpose is to ensure that a mobile station can obtain service in any cellular system manufactured according to this Interim Standard.

Product Code 3 Nov, 1999 **COMMITTEE: TR-45.1**
\$81.00

TIA/EIA/IS-713

Narrowband Analog Air Interface Compatibility Standard for 1.9GHz Based on IS-91-A

This document details technical requirements form a compatibility standard for an analog PCS cellular radio telecommunications system.

Product Code 3 Nov, 1999 **COMMITTEE: TR-45.1**
\$170.00

BASE STATIONS/MESSAGE PROTOCOL

TSB-70-A

FSK Air Interface Common Message Protocol Cross-Reference

Several TIA documents have been developed within TR-45 that are based upon TIA/EIA-553-A. Since these new standards will evolve independently, there will be changes made in the definition of message field assignments within the various messages. Since these standards are also dual mode (common analog), it is required that the interpretation of message fields be consistent for backward (and forward) compatibility. In order to facilitate this assessment of consistence, this document has been created. It is envisioned that this document be revised accordingly each time a new revision of the associated standards is officially published by TIA.

Product Code 3 Sept, 1999 **COMMITTEE: TR-45.1**
\$109.00

TSB-71

IS-94 Enhancements and Issues

This document describes changes to IS-94 to add control channel downloading. It also alerts manufacturers and service providers of issues with IS-94. These changes will be included in the next revision of IS-94. Equipment manufacturers should include these revisions in their IS-94 compliant equipment.

Product Code 3 Oct, 1995 **COMMITTEE: TR-45.1**
\$34.00

BASE STATIONS/PERSONAL

TIA/EIA/IS-680

Personal Base Station - Authorization and Call Routing Equipment Compatibility Standard

This technical requirement form a compatibility standard for communication between a Personal Base (PB) and Authorization and Call Routing Equipment (ACRE). Their purpose is to ensure that a PB built according to this standard can communicate with any ACRE manufactured according to this Interim Standard.

Product Code 3 May, 1996 **COMMITTEE: TR-45.1**
\$75.00

E-911

TIA/EIA/IS-817

A Position Determination Standard for Analog Systems

This document provides procedures, signaling, and messages used in addition to TIA/EIA-553-A as one possible way to support E-911 Position Determination services

Product Code 3 Jan, 2001 **COMMITTEE: TR-45.1**
\$76.00

TIA/EIA/IS-817-1

A Position Determination Standard for Analog Systems - Addendum 1

This addendum provides procedures, signaling, and messages used in addition to TIA/EIA-553-A as one possible way to support E-911 position Determination services. It defines the order messages sent by the base station and the order confirmation messages sent by the mobile station, together with mobile station and base station procedures for position determination services when operating in analog mode.

Product Code 3 Jan, 2001 **COMMITTEE: TR-45.1**
\$61.00

TSB-119

Enhanced System Access Procedures for E-9-1-1 Calls for Analog Cellular

The Federal Communication Commission has become involved in the resolution of issues concerning public safety in regards to enhanced call completion for E911 originations. As a result of the FCC 99-096 Second Report and Order, changes to the TIA/EIA-553-A specification are required. This document was created to comply with this Second Report and Order.

Product Code 3 Oct, 2000 **COMMITTEE: TR-45.1**
\$47.00

CELLULAR/ANALOG (cont.)

ELECTRICAL/ACOUSTICAL INTEROPERABILITY

TIA/EIA-789-A

Electrical Specification for the Portable Phone to Vehicle Interface

This document defines the electrical/acoustical interface between a motor vehicle ("12Volt" vehicular systems only) and a portable phone.

Product Code 3 Apr, 2000 **COMMITTEE: TR-45.1**
\$64.00

HANDSETS

TIA/EIA-690

Recommended Minimum Standards for 800 MHz Cellular Subscriber Units (ANSI/TIA/EIA-690-2000)

This document details definitions, methods of measurement, and minimum performance characteristics for 800-MHz Cellular Subscriber Units

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.1**
\$87.00

TIA/EIA/IS-90

Recommended Minimum Standard for 800 MHz Dual-Mode Narrowband Analog Cellular Subscriber Units

This document detail definitions, methods of measurement, and minimum performance characteristics of 800 MHz cellular subscriber units. The purpose of this Interim Standard and IS-88 is to assure that a subscriber unit can obtain service in any subscriber cellular system that meets the compatibility requirements of the compatibility specification.

Product Code 3 Feb, 1993 **COMMITTEE: TR-45.1**
\$45.00

HANDSETS/TDD

TSB-121

Cellular Subscriber Unit Interface for TDD

This document describes a possible implementation of the interface between a mobile station and a TTY.

Product Code 3 June, 2001 **COMMITTEE: TR-45.1**
\$43.00

LAND STATION EQUIPMENT

TIA/EIA/IS-89

Recommended Minimum Standard for 800 MHz Dual-Mode Narrowband Analog Cellular Land Stations

This document details definitions, methods of measurement, and minimum performance characteristics of 800 MHz cellular land stations. The purpose of this Interim Standard and IS-88 (i.e., the "compatibility specification" and subsequent revisions thereof) is to assure that cellular systems in conjunction with their land station equipment provide service to any subscriber unit that meets the compatibility requirements of the compatibility specification.

Product Code 3 Feb, 1993 **COMMITTEE: TR-45.1**
\$81.00

VEHICLE CONNECTOR SPECIFICATION

TIA/EIA/IS-788

Connector Specification for the Portable Phone Vehicle Interface

This document defines the physical connector parameters between a motor vehicle and a portable phone attachment cable. Specifications for mechanical latching of phones, architectural, electrical interface or other aspects are defined separately.

Product Code 3 June, 1999 **COMMITTEE: TR-45.1**
\$49.00

VEHICLE MOUNTING

TIA/EIA/IS-798

Mechanical Mounting of Phone System Envelope and Mounting Requirements

The mechanical specifications contained in this document establish the physical design parameters for the integration of cellular phones into the automotive vehicle

Product Code 3 June, 2001 **COMMITTEE: TR-45.1**
\$60.00

CELLULAR/CDMA

BASE STATION

TIA/EIA-126-D

Mobile Station Loopback Service Options Standard (ANSI/TIA/EIA-126-D-2001)

This document provides a loopback of primary traffic information bits through the mobile station. This service option provides the means for a base station to supply a known data stream on both the forward and reverse traffic channels so that a mobile station's receiving and transmitting performance can be measured. Also, this service option provides a convenient means of setting up calls and generating traffic for system testing. Specifically, this service option is used in some of the tests specified in TIA/EIA-97-B, TIA/EIA-98-B, ANSI/J-STD-018 and ANSI J-STD-019.

Product Code 3 May, 2001 **COMMITTEE: TR-45.5**
\$66.00

BASE STATIONS

TIA/EIA-97-E

Recommended Minimum Performance Standard for Base Stations Supporting Dual-Mode Spread Spectrum Cellular Mobile Stations (ANSI/TIA/EIA-97-E-2003)

This document details definitions, methods of measurement and minimum performance requirements for 800 MHz cellular base stations supporting wideband spread spectrum, dual-mode mobile stations. This standard shares the purpose of IS-95, "Mobile Station – Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System," (and subsequent revisions thereof) by ensuring that a mobile station can obtain service in any cellular system that meets the compatibility requirements of IS-95.

Product Code 3 Feb, 2003 **COMMITTEE: TR-45.5**
\$170.00

CELLULAR/ANALOG, BASE STATIONS (cont.)

TIA-97-E-1[E]

Base Station Performance Standards for Dual Mode Spread Spectrum Systems (ANSI/TIA-97-E-1[E]-04)

This document details definitions, methods of measurement and minimum performance requirements for Code Division Multiple Access (CDMA) base stations (2004)

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.5**
\$195.00

TIA-895-A

CDMA Tandem Free Operation (ANSI/TIA/EIA-895-2002)

This service description document details the Inband Signaling Protocol between Transcoder/Rate adapter Units (TRAU) for speech traffic channels for the Tandem Free Operation (TFO) of Speech Coders, sometimes also termed "Vocoder Bypass." It is applied to the North American standard TIA/EIA/IS-2000-A

Product Code 3 Oct, 2002 **COMMITTEE: TR-45.4**
\$115.00

CARD APPLICATION KIT

TIA-915

CDMA Card Application Toolkit (CCAT) (2003)

This document contains the requirements for CDMA Card Application Toolkit (CCAT)

Product Code 3 Feb, 2003 **COMMITTEE: TR-45.5**
\$64.00

CDMA

TIA-1014

Removable User Identity Module Conformance Testing for Spread Spectrum Systems (2004)

This document provides the test cases for the Removable User Identity Module (R-UIM) Conformance Test Specification

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.5**
\$Call for Pricing

CONFORMANCE TESTING

TIA-1013

Mobile Equipment (ME) Conformance Testing for cdma2000® Spread Spectrum Standards (2003)

This document provides the conformance test specification for Removable User Identity Module (R-UIM) enabled Mobile Equipment (ME) terminals

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.5**
\$74.00

DATA TRANSMISSION

TIA/EIA-658

Data Services Interworking Function Interface for Wideband Spread Spectrum Systems (r2002)

This document defines procedures on the L interface for support of circuit mode and packet-mode data transmission on TIA/EIA/IS-95-A and ANSI J-STD-008 based wideband spread spectrum systems.

Product Code 3 May, 2002 **COMMITTEE: TR-45.4**
\$60.00

TIA/EIA-658-1

Data Services Interworking Function Interface for Wideband Spread Spectrum Systems - Addendum 1 (r2002)

This addendum is being published for the purpose of extending the ability to perform interface status exchange at times other than call setup.

Product Code 3 May, 2002 **COMMITTEE: TR-45.4**
\$33.00

TSB-74

Support for 14.4 kbps Data Rate and PCS Interaction for Wideband Spread Spectrum Cellular Systems

This document applies to TIA/EIA/IS-95-A. It introduces support for the following new capabilities: 14.4 kbps Data Rate, Enhanced Service Negotiation, Enhanced Status Messaging, Redirection and Handoff to Personal Communications Systems (PCS), and MIN to IMSI Transition Support.

Product Code 3 Dec, 1995 **COMMITTEE: TR-45.5**
\$335.00

DIGITAL PACKET DATA

TIA/EIA-732 Series

Cellular Digital Packet Data System Specification Series

This collection consist of 44 parts. Individual parts are available for purchase. Please call for quote

Product Code 3 June, 2001 **COMMITTEE: TR-45.6**
\$429.00

TIA-835-C

cdma2000® Wireless IP Network Standard

This document defines requirements for support to wireless packet data networking capability on a third generation wireless system based on cdma2000®

Product Code 3 Aug, 2003 **COMMITTEE: TR-45.6**
\$211.00

TIA-878

Inter-operability Specification (IOS) for High Rate Packet Data (HRPD) Network Access Interfaces (2001)

This specification provides the HRPD text and call flows for IOS scenarios

Product Code 3 Dec, 2001 **COMMITTEE: TR-45.4**
\$156.00

TIA-878-1

Inter-operability Specification (IOS) for High Rate Packet Data (HRPD) Network Access Interfaces, Addendum 1 (2001)

This addendum makes corrections to the base document

Product Code 3 Dec, 2001 **COMMITTEE: TR-45.4**
\$163.00

TIA-930

Legacy Mobile Station Domain (LMSD) (2003)

This document specifies the necessary interfaces to support the bearer traffic between Media Gateways in the initial step of the Legacy Mobile Station Domain (LMSD)

Product Code 3 Jan, 2003 **COMMITTEE: TR-45.6**
\$45.00

CELLULAR/CDMA, DIGITAL PACKET DATA (cont.)

TIA-935

TIA/EIA-41-D Enhancements for Circuit-Switched Call Precedence over CDMA Packet Data Session (CPOP) (2003)

This document presents a recommended plan for the implementation of Circuit-Switched Call Precedence Over CDMA Packet Data Session (CPOP) for use in the Wireless Radiotelephone Service

Product Code 3 June, 2003 **COMMITTEE: TR-45.2**
\$63.00

TIA-937

Open ServiceAccess (OSA); Application Programming Interface (API) (2003)

This document defines the OSA API Stage 3 interface definitions and it provides the complete OSA specification for cdma2000®-based systems

Product Code 3 June, 2003 **COMMITTEE: TR-45.2**
\$67.00

TSB-87

Cellular Digital Packet Data System Specification (r2002)

This document complements the CDPD System Specification contained in Interim Standard 732 (IS-732) and contains implementation-specific information.

Product Code 3 Aug, 2002 **COMMITTEE: TR-45.6**
\$Call for Pricing

TSB-115

cdma2000® Wireless IP Architecture Based on IETF Protocols

This document describes the packet data system architecture for a third generation wireless system based on IMT-2000

Product Code 3 Dec, 2000 **COMMITTEE: TR-45.6**
\$76.00

ENHANCED VARIABLE RATE CODEC

TIA/EIA/IS-127

Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems

This document describes the technical requirements for Service Option 3, an enhanced variable rate, two-way speech service option, known as Enhanced Variable Rate Codec (EVRC). Service Option 3 conforms to the general requirements for service options specified in IS-95A and ANSI J-STD-008. A mobile station operating in wideband spread spectrum (CDMA) mode conforming with IS-95A or J-STD-008 and this document can obtain speech service in any cellular system conforming with this family of standards.

This document does not address the quality or reliability of Service Option 3, nor does it cover equipment performance or measurement procedures.

Product Code 3 Jan, 1997 **COMMITTEE: TR-45.5**
\$204.00

TIA/EIA/IS-127-1

Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems - Addendum 1

This addendum to IS-127 removes Section 6 of the document and references thereto. Section 6 was created as a placeholder for the later addition of the master bit-exact implementation of the algorithms defined in sections 4 and 5. This material is now to be found in IS-718, Minimum Performance Specification for the Enhanced Variable-Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems.

Product Code 3 Aug, 1998 **COMMITTEE: TR-45.5**
\$32.00

TIA/EIA/IS-127-2

Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems - Addendum 2

Service Option 3 provides two-way voice communications between the base station and the mobile station using the dynamically variable data rate speech codec algorithm which is described in this document.

Product Code 3 Sept, 1999 **COMMITTEE: TR-45.5**
\$44.00

TIA/EIA/IS-127-3

Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems, Addendum 3

This addendum provides an option for modifying the current IS-127 standard to reliably transport the TTY/TDD 45.45 bps Baudot code, making digital wireless technology accessible to TTY/TDD Users

Product Code 3 Sept, 2001 **COMMITTEE: TR-45.5**
\$42.00

TIA/EIA/IS-718

Minimum Performance Standard for the Enhanced Variable Rate Codec, Speech Service Option 3 for Spread Spectrum Digital Systems

This document details definitions, methods of measurement, verification of bit-exactness and minimum performance characteristics of IS-127 Enhanced Variable-rate Speech Codecs for Digital Cellular Spread Spectrum Mobile Stations and Base Stations. This standard shares the purpose of the most current editions of IS-98 and IS-97. This is to ensure that a mobile station can obtain service in any cellular system that meets the compatibility requirements of IS-95.

Product Code 3 July, 1998 **COMMITTEE: TR-45.5**
\$79.00

HIGH RATE PACKET DATA

TIA-856-A

cdma2000® High Rate Packet Data Air Interface Specification (2004)

This specification is primarily oriented toward requirements necessary for the design and implementation of access terminals

Product Code 3 Apr, 2004 **COMMITTEE: TR-45.5**
\$403.00

CELLULAR/CDMA, HIGH RATE PACKET DATA (cont.)

TIA-856-2[E]

cdma2000® High Rate Packet Data Air Interface Specification - Addendum 2[E] (2004)

This specification includes provisions for future service additions and expansion of system capabilities

Product Code 3 Mar, 2004 **COMMITTEE: TR-45.5**
\$460.00

TIA-864

Recommended Minimum Performance Standards for cdma2000® High Rate Packet Data Access Network Equipment (2002)

This document details definitions, methods of measurement, and minimum performance requirements for access networks.

Product Code 3 Feb, 2002 **COMMITTEE: TR-45.5**
\$161.00

TIA-925

Enhanced Subscriber Privacy for cdma2000® High Rate Packet Data (2002)

This document describes the enhanced subscriber privacy for high rate packet data

Product Code 3 Sept, 2002 **COMMITTEE: TR-45.5**
\$71.00

TIA/EIA/IS-856

cdma2000® High Rate Packet Data Air Interface Specification

This specification is primarily oriented toward requirements necessary for the design and implementation of access terminals

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.4**
\$604.00

TIA/EIA/IS-856-1

cdma2000® High Rate Packet Data Air Interface Specification - Addendum 1

These technical requirements form a compatibility standard for cdma2000® high rate packet data systems. This addendum is provided to correct errors and omissions in IS-856-1

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.5**
\$322.00

HIGH RATE PACKET DATA CONFIGURATION

TIA-919

Signaling Conformance Standard for cdma2000® High Rate Packet Data Air Interface (2002)

These technical requirements form a document for signaling conformance in cdma2000® high rate packet data systems. These requirements ensure that compliant access terminals and compliant access networks can execute tests in meeting the objectives stated in 1.2.

Product Code 3 May, 2002 **COMMITTEE: TR-45.5**
\$115.00

HIGH RATE PACKET DATA/INTEROPERABILITY

TIA-1878

Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Access Network Interfaces - Alternative Architecture (2003)

This document provides an interoperability specification for a Radio Access Network (RAN) that supports HRPD. This document contains message procedures and formats necessary to obtain this interoperability

Product Code 3 May, 2003 **COMMITTEE: TR-45.4**
\$211.00

HIGH RATE PACKET DATA/TERMINALS

TIA-866

Recommended Minimum Performance Standards for cdma2000® High Rate Packet Data Access Terminal (2002)

This document details definitions, methods of measurement, and minimum performance characteristics for access terminals.

Product Code 3 Feb, 2002 **COMMITTEE: TR-45.5**
\$193.00

HIGH RATE PACKET DATA/TESTING

TIA/EIA/IS-890

Test Application Specification (TAS) for High Rate Packet Data Air Interface (2001)

These technical requirements form a compatibility standard for test applications in cdma2000® high rate packet data systems

Product Code 3 July, 2001 **COMMITTEE: TR-45.5**
\$81.00

INTEROPERABILITY

TIA/EIA-683-C

Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Systems (ANSI/TIA/EIA-683-C-2001)

This document describes Over-the-Air Service Provisioning in CDMA and analog systems. The procedures defined are intended to be extendable and flexible enough to be used with future air interface specifications. The procedures in this document do not require support for continuation of the service provisioning process following a CDMA-to-analog handoff.

Product Code 3 Nov, 2001 **COMMITTEE: TR-45.5**
\$156.00

TIA-898

Signaling Conformance Tests for cdma2000® Spread Spectrum Systems (2001)

This document facilitates interoperability testing between CDMA infrastructure and CDMA mobile station manufacturers

Product Code 3 Dec, 2001 **COMMITTEE: TR-45.5**
\$304.00

CELLULAR/CDMA (cont.)

INTEROPERABILITY/GSM

TIA/EIA/IS-833

G3G CDMA-MC to GSM-MAP

This document defines changes to Multi-Carrier (MC) CDMA (1X and 3X modes) needed to support operation with a core network that uses a version of the Global System for Mobile Communications (GSM) Mobile Application Part (MAP)

Product Code 3 Mar, 2000 **COMMITTEE: TR-45.5**
\$202.00

TIA/EIA/IS-834

G3G CDMA-DS to ANSI/TIA/EIA-41

This document provides general requirements and detailed Upper Layers (Layer 3) signaling radio protocols and procedures for the DS-41 radio interface.

Product Code 3 Mar, 2000 **COMMITTEE: TR-45.5**
\$156.00

IP NETWORK REFERENCE MODEL

TSB-151

IP Network Reference Model (NRM) for cdma2000® Spread Spectrum Systems

This document recommends the basic 3GPP2 Wireless Network Architecture Model

Product Code 3 Dec, 2003 **COMMITTEE: TR-45**
\$77.00

IP/CONFIGURATION MANAGEMENT

TIA-1010

IP Based Over-the-Air Handset Configuration Management (IOTA-HCM) (2003)

This document identifies the operations for cdmaOne and cdma2000® mobile stations and systems to support IP based Over-the-Air Handset Configuration Management (IOTA-HCM)

Product Code 3 Aug, 2003 **COMMITTEE: TR-45.5**
\$91.00

MOBILE STATIONS

TIA/EIA-98-E

Recommended Minimum Performance Standards for Dual-Mode Spread Spectrum Mobile Stations (ANSI/TIA/EIA-98-E-2003)

This document details definitions, methods of measurement and minimum performance characteristics of 800 MHz cellular mobile stations. This standard shares the purpose of IS-95 (and subsequent revisions thereof) by ensuring that a mobile station can obtain service in any cellular system that meets the capability requirements of IS-95.

Product Code 3 June, 2001 **COMMITTEE: TR-45.5**
\$292.00

TIA-916

Recommended Minimum Performance Specification for TIA/EIA/IS-801-1 Spread Spectrum Mobile Stations (2002)

This document details definitions, methods of measurement, and minimum performance characteristics for Position Location Capable Code Division Multiple Access (CDMA) mobile stations.

Product Code 3 Apr, 2002 **COMMITTEE: TR-45.5**
\$156.00

MULTIMEDIA MESSAGING SERVICE

TIA-934

Multimedia Messaging Service (MMS) Specification (2003)

This document describes the Multimedia Messaging System (MMS) Specification documents for 3GPP2

Product Code 3 May, 2003 **COMMITTEE: TR-45.5**
\$262.00

TIA-1011

Multimedia Messaging Service (MMS) Media Format and Codecs for cdma2000® Spread Spectrum Systems (2003)

This document defines content types, media formats and codecs for the non-real time Multimedia Messaging Service (MMS)

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.5**
\$58.00

MULTIMEDIA SERVICES

TIA-1015

File Formats for Multimedia Services for cdma2000® Spread Spectrum Systems (2003)

This document defines and standardizes a set of common file formats to be used in multimedia services

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.5**
\$77.00

PARAMETER VALUES

TSB-58-F

Administration of Parameter Value Assignments for cdma2000® Spread Spectrum Standards (2003)

This document assigns values to parameters within certain cdma2000® specifications for standard and for proprietary usage.

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.5**
\$77.00

POSITION DETERMINATION

TIA-801-A

Position Determination Service Standard for Dual Mode Spread Spectrum Systems (2004)

This document defines a set of signaling messages between the mobile station and base station to provide a position determination service.

Product Code 3 Apr, 2004 **COMMITTEE: TR-45.5**
\$262.00

REMOVABLE UIM

TIA-820-A-1[E]

Removable User Identity Module for Spread Spectrum Systems - Addendum 1 [E] (2004)

This document contains the requirements for the Removable User Identity Module (R-UIM)

Product Code 3 Apr, 2004 **COMMITTEE: TR-45.5**
\$177.00

CELLULAR/CDMA, REMOVABLE UIM (cont.)

TIA/IS-820-A

Removable User Identity Module for Spread Spectrum Systems

This document defines new Elementary Files (EFs) for storage of parameters that are added for operation in a (11/14/15) environments

Product Code 3 Sept, 2002 **COMMITTEE: TR-45.5**
\$156.00

SERVICE OPTION

TIA/EIA/IS-871

Markov Service Option (MSO) for cdma2000® Spread Spectrum Systems (2001)

This document specifies procedures for the Markov Service Option (MSO)

Product Code 3 Apr, 2001 **COMMITTEE: TR-45.2**
\$115.00

SERVICE OPTION/DATA

TIA/EIA/IS-707-A

Data Service Options for Wideband Spread Spectrum Systems

This document describes data services available on wideband spread spectrum systems. It is organized into a series of related recommendations, some of which address functions common to all code division multiple access data services, and others which describe a specific data service.

Product Code 3 Apr, 1999 **COMMITTEE: TR-45.5**
\$446.00

TIA/EIA/IS-707-A-1

Data Service Options for Wideband Spread Spectrum Systems, Addendum 1

This addendum is being published to describe additional data services that are available on the cdma2000® spread spectrum system complying with TIA/EIA/IS-2000.

Product Code 3 Apr, 1999 **COMMITTEE: TR-45.5**
\$151.00

TIA/EIA/IS-707-A-2

Data Service Options for Spread Spectrum Systems, Addendum 2

This addendum is being published to describe an additional data service that is available on a cdma2000® spread spectrum system complying with TIA/EIA/IS-2000-A.

Product Code 3 Apr, 1999 **COMMITTEE: TR-45.5**
\$151.00

TIA/IS-707-A-3

Data Service Options for Spread Spectrum Systems, Addendum 3 - cdma2000® High Speed Packet Data Service Option 33

This addendum is being published to specify a packet data bearer service for communication between terminal equipment and a packet data serving node (PDSN) via a base station/packet control function (BS/PCF)

Product Code 3 Feb, 2003 **COMMITTEE: TR-45.5**
\$95.00

SERVICE OPTION/HIGH RATE SPEECH

TIA/EIA/IS-733

High Rate Speech Service Option 17 for Wideband Spread Spectrum Communication Systems

This document provides technical requirements for Option 17, a variable rate, two-way speech service option for CDMA systems.

Product Code 3 Mar, 1998 **COMMITTEE: TR-45.5**
\$204.00

TIA/EIA/IS-733-1

High Rate Speech Service Option 17 for Wideband Spread Spectrum Communications Systems, Addendum 1

This document provides technical requires for Option 17, a variable rate, two-way speech service option.

Product Code 3 Mar, 1998 **COMMITTEE: TR-45.5**
\$44.00

TIA/EIA/IS-733-2

High Rate Speech Service Option 17 for Wideband Spread Spectrum Communication Systems, Addendum 2

This document provides an option for modifying the current IS-733 standard to reliably transport the TTY/TDD 45.45 bps baudot code, making digital wireless technology accessible to TTY/TDD users

Product Code 3 Mar, 1998 **COMMITTEE: TR-45.5**
\$42.00

SERVICE OPTION/SPEECH

TIA/EIA-96-C

Speech Service Option Standard for Wideband Spread Spectrum Systems (ANSI/TIA/EIA-96-C-98)

This document provides requirements for two-way voice communications between the base station and the mobile station using the dynamically variable data rate speech codec algorithm described in this standard. The transmitting speech codec takes voice samples and generates an encoded speech packet for every traffic channel frame. The receiving station generates a speech packet from every traffic channel frame and supplies it to the speech codec for decoding into voice samples.

Product Code 3 Aug, 1998 **COMMITTEE: TR-45.5**
\$115.00

TIA/EIA-125-A

Recommended Minimum Performance Standard for Digital Cellular Wideband Spread Spectrum Speech Service Option 1

This document details definitions, methods of measurement, and minimum performance characteristics of IS-96-A and subsequent revisions thereof, variable-rate speech codecs for digital cellular wideband spread spectrum mobile stations and base stations. This standards shares the purpose of IS-98-A and IS-97-A. This is to ensure that a mobile station can obtain service in any cellular system that meets the compatibility requirements of IS-95-A. A TAR tape with software descriptions are included with this standard. Variable-rate speech codec and its analog or electro-acoustic interfaces, whether implemented at either the mobile station or the base station or elsewhere in the cellular system, are covered to ensure compatibility with IS-96-A.

Product Code 3 Aug, 2000 **COMMITTEE: TR-45.5**
\$87.00

CELLULAR/CDMA (cont.)

SERVICE OPTION/TEST DATA

TIA-870-1[E]

Test Data Service Option (TDSO) for cdma2000® Spread Spectrum Systems, Addendum 1 [E] (2004)

This document specifies procedures for the Test Data Service Option (TDSO). The TDSO is used to allow verification of the physical layer performance frame error rate (FER) and PDU error rate (PER) of cdma2000® physical channels

Product Code 3 Jan, 2004 **COMMITTEE: TR-45.5**
\$163.00

TIA/EIA/IS-870

Test Data Service Option (TDSO) for cdma2000® Spread Spectrum Systems (2001)

This document specifies procedures for the Test Data Service Option (TSDO).

Product Code 3 Apr, 2001 **COMMITTEE: TR-45.5**
\$156.00

SHORT MESSAGE SERVICE

TIA/EIA-637-B

Short Message Service for Spread Spectrum Systems (ANSI-TIA/EIA-637-B-2002)

This document allows the exchange of short messages between a mobile station and the wireless system, and between the wireless system and an external device capable of transmitting and optionally receiving short messages. The external device may be a voice telephone, a data terminal or a short message entry system.

Product Code 3 Jan, 2002 **COMMITTEE: TR-45.5**
\$156.00

TSB-79

Short Message Services for Wideband Spread Spectrum Systems

This document applies to TIA/EIA/IS-637. It introduces the following modifications: 14.4 kbps data rate support, service negotiation support, the year 2000 clarification and IS-637 layering problem correction and editorial corrections. These technical requirements form a standard for a short message service, providing delivery of text and numeric information for paging, messaging and voice mail.

Product Code 3 Feb, 1997 **COMMITTEE: TR-45.5**
\$66.00

SPEECH

TIA/EIA-736-A

Recommended Minimum Performance Standard for the High Rate Speech Option 17 for Wideband Spread Spectrum Communication Systems

This document details definitions, methods of measurement, and minimum performance characteristics of IS-733 variable-rate speech codecs for digital cellular wideband spread spectrum mobile stations and base stations. This standard shares the purpose of IS-98 and IS-97. This is to ensure that a mobile station can obtain service in any cellular system that meets the compatibility requirements of IS-95. This standard consists of this document and a software distribution on CD-ROM.

This document specifies the procedures to test that implementations of IS-733 compatible variable-rate speech codecs meet recommended minimum performance requirements. This speech codec is the Service Option 17 described in IS-733. The Service Option 17 speech codec is used to digitally encode the speech signal for transmission at a variable data rate of 266, 124, 54 or 20 bits for each 20 bits for each 20 ms frame.

Product Code 3 Aug, 2000 **COMMITTEE: TR-45.5**
\$87.00

SYSTEM/INTEROPERABILITY

TIA-2001, Release C

Interoperability Specifications (IOS) for cdma2000® Access Network Interfaces - Release C (2003)

This document provides specification for the interfaces which coincides with the reference points defined in the TR-45 Network Reference Model.

Product Code 3 July, 2003 **COMMITTEE: TR-45.4**
\$414.00

TIA/EIA/IS-2001

Interoperability Specifications (IOS) for cdma2000® Access Network Interfaces

This document provides specification for the interfaces which coincides with the reference points defined in the TR-45 Network Reference Model.

Product Code 3 **COMMITTEE: TR-45.4**
\$Call for Pricing

TIA/EIA/IS-2001, Release A

Interoperability Specifications (IOS) for cdma2000® Access Network Interfaces - Release A (2001)

This document describes the overall system functions, including services and features required for interfacing a Base Station with the Mobile Switching Center, with other Base Stations, and with the Packet Control Function (PCF) and for interfacing the PCF with the Packet Data Service Node (PDSN).

Product Code 3 Aug, 2001 **COMMITTEE: TR-45.4**
\$374.00

CELLULAR/CDMA, SYSTEM/INTEROPERABILITY (cont.)

TIA/EIA/IS-2001, Release B

Interoperability Specifications (IOS) for cdma2000® Access Network Interfaces - Release B (2002)

This document provides specification for the interfaces which coincides with the reference points defined in the TR-45 Network Reference Model.

Product Code 3 May, 2002 **COMMITTEE: TR-45.4**
\$387.00

SYSTEMWIDE STANDARD

TIA/EIA-95-B

Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems (ANSI/TIA/EIA-95-B-99)

This document defines the requirements for a PCS/Cellular system and mobile and base stations using Code Division Multiple Access (CDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Feb, 1999 **COMMITTEE: TR-45.5**
\$387.00

TIA-20000, Release D

Introduction to cdma2000® Spread Spectrum Systems, Release D (2004)

This standards provides the technical requirements for CDMA

Product Code 3 Apr, 2004 **COMMITTEE: TR-45.5**
\$535.00

TIA/EIA/IS-2000

cdma2000® Standards for Spread Spectrum Systems (2000)

This standards provides the technical requirements for CDMA

Product Code 3 Mar, 2000 **COMMITTEE: TR-45.5**
\$1,583.00

TIA/EIA/IS-2000, Release A

cdma2000® Standards for Spread Spectrum Systems, Release A (2001)

This standards provides the technical requirements for CDMA

Product Code 3 Aug, 2001 **COMMITTEE: TR-45.5**
\$514.00

TIA/EIA/IS-2000, Release B

Introduction to cdma2000® Spread Spectrum Systems, Release B (2002)

This standards provides the technical requirements for CDMA

Product Code 3 May, 2002 **COMMITTEE: TR-45.5**
\$Call for Pricing

TIA/EIA/IS-2000, Release C

Introduction to cdma2000® Spread Spectrum Systems, Release C (2002)

This standards provides the technical requirements for CDMA

Product Code 3 May, 2002 **COMMITTEE: TR-45.5**
\$Call for Pricing

TSB-2000

Capabilities Requirements Mapping for cdma2000® Standards (1999)

This document has been prepared to map the capabilities in TIA standards that have been developed to support cdma2000® Phase 1 operation to the major requirements upon which that development was based. It is intended to furnish guidance to providers of cdma2000® systems in selecting the necessary features to meet their requirements as stated within the sections of TSB2000. The TIA/EIA 2000 series specifies capabilities which directly support cdma2000® Phase 1 requirements. In addition, TIA/EIA IS-707-A-1 also defines capabilities supporting a cdma2000® Phase 1 requirement.

Product Code 3 Sept, 1999 **COMMITTEE: TR-45.5**
\$46.00

TEXT TELEPHONE

TIA-889-A

Minimum Performance Specification for Text Telephone Signal Detector and Text Telephone Signal Regenerator (2003)

This document establishes the minimum performance requirements and a test procedure for verifying solutions for transporting the Baudot code over IS-2000/IS-95 wireless services

Product Code 3 Dec, 2003 **COMMITTEE: TR-45.5**
\$51.00

VIDEO CONFERENCING

TIA-926

Circuit Switched Video Conferencing Services (2002)

This document defines the functional characteristics and requirements of the circuit-switched video conferencing services

Product Code 3 Dec, 2002 **COMMITTEE: TR-45.5**
\$60.00

VOICE OVER IP

TIA-923

Link Layer Assisted Service Options for Voice-Over-IP: Header Removal (SO 60) and Robust Header Compression (SO 61) (2003)

These technical requirements form a standard for the Link-Layer Assisted (LLA) Service Options. Service Option 60 (SO60) defines a variable rate Voice-over-IP (VoIP) service option for transport of header-removed IP/UDP/RTP packets carrying speech frames. Service Option 61 (SO61) defines a variable rate Voice-over-IP (VoIP) service option for transport of header-compressed IP/UDP/RTP packets carrying speech frames

Product Code 3 May, 2003 **COMMITTEE: TR-45.5**
\$67.00

CELLULAR/TDMA

AIR INTERFACE**TSB-132*****TDMA Cellular PCS - Radio Interface - Elementary File Alignment Issues in TIA/EIA-136-033***

This document provides an informative update on incremental updates to TIA/EIA-136-033

Product Code 3 Oct, 2001 **COMMITTEE: TR-45.3**

\$38.00

DISCONTINUOUS TRANSMISSION**TIA/EIA/IS-727*****TDMA Cellular/PCS - Radio Interface - Minimum Performance Standards for Discontinuous Transmission Operation of Mobile Stations***

This document specifies the procedures to be employed to verify that implementations of VAD processing in conjunction with the IS-641 DTX/CNG feature to meet strict minimum performance requirements.

Product Code 3 June, 1998 **COMMITTEE: TR-45.3**

\$55.00

TSB-117***Clarification of DTX Receive Handling in TIA/EIA-136***

This document supports the Discontinuous Transmission with Comfort Noise (DTX/CN) feature in TIA/EIA-136-410 and TIA/EIA-136-133-A

Product Code 3 May, 2000 **COMMITTEE: TR-45.3**

\$43.00

MESSAGE ENCRYPTION**TSB-108*****Implementation Aspects of R-DATA Encryption in TIA/EIA-136***

Appendix A of TIA/EIA-136 allows for encryption of R-DATA only if the TeleService ID indicates Over-the-Air Activation. Consequently, even if message encryption is enabled, a receiver must be prepared to deal with R-DATA messages that may or may not be encrypted depending on content. This document provides a mechanism that provides for reliable identification of the teleservice contained in an R-DATA message by restricting the transmission mode used for encrypted R-DATA messages.

Product Code 3 Mar, 1999 **COMMITTEE: TR-45.3**

\$37.00

MOBILE STATIONS**TSB-105*****Clarification of Audit Order with Forced Re-Registration in Pre-TIA/EIA-136-A Implementation***

A mobile station in the DCCH camping state receives a PCH message and invokes the termination procedure (see TIA/EIA-136-123, Section 3.3 and Section 4.4). The mobile station determines that the PCH message is an Audit Order addressed to it and issues an RDCCH Request primitive containing an Audit Confirmation message along with any other coincidental messages required. The text describing the procedures for the receipt of an Audit Order with the Forced Re-Registration flag set is expanded in this document.

Product Code 3 Mar, 1999 **COMMITTEE: TR-45.3**

\$38.00

REMOVABLE UIM**TIA/EIA/IS-839*****R-UIM Overview, Operation, and File Structure Support in TIA/EIA-136, Rev A***

This document defines the requirements for the support of TIA/EIA-136 mobile stations equipped with a Removable-user Identity Module also referred to as Subscriber Identity Module (SIM).

Product Code 3 Nov, 2000 **COMMITTEE: TR-45.3**

\$115.00

SYSTEMWIDE STANDARD**TIA/EIA-136*****TDMA Cellular PCS Standards (ANSI/TIA/EIA-136-99)***

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Mar, 1999 **COMMITTEE: TR-45.3**

\$528.00

TIA/EIA-136, Rev A***TDMA Cellular PCS Standards (ANSI/TIA/EIA-136-99)***

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Dec, 1999 **COMMITTEE: TR-45.3**

\$951.00

TIA/EIA-136, Rev B***TDMA Cellular PCS Standards (ANSI/TIA/EIA-136-2000)***

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Mar, 2000 **COMMITTEE: TR-45.3**

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CELLULAR/TDMA, SYSTEMWIDE STANDARD (cont.)

TIA/EIA-136, Rev C

TDMA Third Generation Wireless Standards, Rev C (ANSI/TIA/EIA-136-2001)

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 June, 2001 **COMMITTEE: TR-45.3**
\$Call for Pricing

TIA/EIA-136, Rev D

TDMA Third Generation Wireless Standards, Rev D (ANSI/TIA/EIA-136-2002)

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Apr, 2002 **COMMITTEE: TR-45.3**
\$773.00

TIA/EIA-136, Rev E

TDMA Third Generation Wireless Standards, Rev E (ANSI/TIA/EIA-136-2004)

This is a multi-part document that when taken in total, defines the requirements for a PCS/Cellular system and mobile and base stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Product Code 3 Jan, 2004 **COMMITTEE: TR-45.3**
\$837.00

TIA-943

TDMA Third Generation Wireless Extended Revision Guidelines (ERG) Incorporat of MEID (2003)

This document provides a mechanism to augment existing revisions of TIA/EIA-136 with new signaling and procedural capabilities in a release independent manner

Product Code 3 Oct, 2003 **COMMITTEE: TR-45.3**
\$262.00

TEXT TELEPHONE

TIA/EIA/IS-823-A

TTY/TDD Extension to TIA/EIA-136-410 Enhanced Full Rate Speech Codec (must used in conjunction with TIA/EIA/IS-840)

This document provides an option for extending the current TIA/EIA-136-410 EFR Speech Vocoder standard to reliability transport the TTY/TDD 45.45. Bps and 50 bps Baudot code, making digital wireless technology accessible to TTY/TDD users.

Product Code 3 Sept, 2001 **COMMITTEE: TR-45.3**
\$87.00

TIA/EIA/IS-840-A

Minimum Performance Standards for Text Telephone Signal Detector and Text Telephone Signal Regenerator (must be used in conjunction with TIA/EIA/IS-823-A)

Text telephones enable persons with hearing issues to communicate over conventional telephone lines, using written text messages. There are two types of text telephones: TTY (TeleType) and TDD (Telecommunications Devices for the Deaf). TTYs are basically mechanical teleprinters and TDDs are their electronic counterparts.

Product Code 3 Sept, 2001 **COMMITTEE: TR-45.3**
\$87.00

TSB-138

TDMA Third Generation Wireless - Clarification of TIA/EIA/IS-823-A

This document provides clarification of TIA/EIA/IS-823-A.

Product Code 3 Apr, 2002 **COMMITTEE: TR-45.3**
\$38.00

CITIZEN'S BAND (CB) RADIO

TIA/EIA-382-A

Minimum Standards: Citizens Band Radio Service Amplitude Modulated (AM) Transceivers Operating in the 27 MHz Band (ANSI/EIA/TIA-382-A-89) (R2000)

The minimum standards detailed in this document are intended to promote the capability of these transmitters and receivers with the communications systems in which they will operate through they should not be construed as a guideline for definition of a high performance product. TIA/EIA-382-A details definitions, methods of measurement, and minimum standards for characteristics of mobile and base AM transceivers, transmitters, and receivers, utilizing 6k00A3E type emissions. These devices are intended for operation in the Citizens Band (CB) Radio Service as defined in Part 95 and Part 15 of Code of Federal Regulations, Title 47 (CFR 47) which are known as the Rules and Regulations of the Federal Communications Commission.

Product Code 3 June, 2000 **COMMITTEE: TR-32**
\$66.00

EIA-442

Channel Numbering System, Class-D Citizens Radio Service

Frequencies (MHz) for Channel 1 through 40 are listed in accordance with FCC Second Report and Order on Docket 20120.

Product Code 3 Nov, 1976 **COMMITTEE: TR-32**
\$34.00

IEB-13

Citizens Band Radio Service Format for Submission of FCC type Acceptance Technical Data (1979)

This document establishes a uniform format for submission of technical data in conjunction with FCC type acceptance of Citizens Band radios.

Product Code 3 July, 1979 **COMMITTEE: TR-32**
\$49.00

**DATA INTERCHANGE TRANSMISSION
EQUIPMENT**

TIA-404-B

Standard for Start-Stop Signal Quality for Non-Synchronous Data Terminal Equipment (ANSI/TIA/EIA-404-B-96) (R2002)

This document specifies the quality of serial binary data signals employing start-stop (i.e. asynchronous) format at a data terminal equipment interface. The scope of this document is limited to signals as defined in TIA/EIA-422-B Electrical Characteristics of Balanced Voltage Digital Interface Circuits, TIA/EIA-423-B Electrical Characteristics of Unbalanced Voltage Digital Interface Circuits, EIA-485 Electrical Characteristics of Generators and Receivers for Use in Balanced Digital Multipoint Systems, TIA/EIA-562 Electrical Characteristics for An Unbalanced Digital Interface and the electrical characteristic portion of TIA/EIA-232-E Interface Between Data Terminal Equipment and Data Communication Equipment Employing Serial Binary Data Interchange.

Product Code 3 Dec, 2002 COMMITTEE: TR-30.2 \$64.00

TIA/EIA-422-B

Electrical Characteristics of Balanced Voltage Digital Interface Circuits (ANSI/TIA/EIA-422-B-94) (R2000)

This document specifies the electrical characteristics of the balanced voltage digital interface circuit normally implemented in integrated circuit technology.

Product Code 3 Jan, 2000 COMMITTEE: TR-30.2 \$60.00

TIA/EIA-423-B

Electrical Characteristics of Unbalanced Voltage Digital Interface Circuits (ANSI/TIA/EIA-423-B-96) (R2001)

This document specifies the electrical characteristics of the unbalanced voltage digital interface circuit, normally implemented in integrated circuit technology, that may be employed when specified for the interchange of serial binary signals between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) or in any point-to-point interconnection of serial binary signals between digital equipment.

Product Code 3 Nov, 2001 COMMITTEE: TR-30.2 \$70.00

TIA-485-A

Electrical Characteristics of Generators and Receivers for Use in Balanced Digital Multipoint Systems (ANSI/TIA-485-A-98)

This document specifies the electrical characteristics of generators and receivers that may be employed when specified for the interchange of binary signals in multipoint interconnection of digital equipment. When implemented within the guidelines of this document, multiple generators and receivers may be attached to a common interconnecting cable.

Product Code 3 Mar, 1998 COMMITTEE: TR-30.2 \$58.00

TIA-530-A

High Speed 25-Position Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment, Including Alternative 26-Position Connector (ANSI/TIA/EIA-530-A-92) (R98) (R2003)

This document is applicable to the interconnection of data terminal equipment (DTE) and data circuit-terminating equipment (DCE) employing serial binary data interchange with control information exchanged on Sept,t,arate control circuits. It defines signal characteristics; interface mechanical characteristics; and, functional description of interchange circuits.

Product Code 3 Dec, 2003 COMMITTEE: TR-30.2 \$64.00

TIA-561

Simple 8-Position Non-Synchronous Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA/EIA-561-90) (R98) (R2003)

This document was developed in recognition of a need for physically smaller interfaces consistent with modern technology. When used in conjunction with TIA-562, this Standard provides a complete interface specification suitable for non-synchronous applications where full functionality is not required. TIA-561 is applicable to the interconnection of Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) employing serial binary data interchange where a minimal number of control and information circuits are required. Scope, interface mechanical characteristics, and functional description of the interchange circuits are defined in TIA-561.

Product Code 3 Dec, 2003 COMMITTEE: TR-30.2 \$63.00

TIA-562

Electrical Characteristics for an Unbalanced Digital Interface (ANSI/TIA/EIA-562-90) (R98) (R2003)

This document was developed in response to the demand from the data communications community for physically smaller, lower power interfaces more consistent with today's technology. This Standard specifies the electrical characteristics of the unbalanced voltage digital interface circuit normally implemented in integrated circuit technology that may be employed when specified for the interchange of serial binary signals between Data Terminal Equipment (DTE) and Data Circuit Terminating Equipment (DCE) or in any interconnection of binary signals between voice or data equipment. The electrical characteristics specified in EIA/TIA-562 also allow for electrical interoperation with equipment designed to conform to TIA-232-D interfaces.

Product Code 3 Dec, 2003 COMMITTEE: TR-30.2 \$66.00

DATA INTERCHANGE TRANSMISSION EQUIPMENT (cont.)

TIA-574***9-Position Non-Synchronous Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA/EIA-574-90) (R98)***

This document provides the flexibility of a new interface which specifies TIA/EIA-562 Electrical Characteristics which, although they are interworkable with TIA-232-D Electrical Characteristics, are capable of higher data signaling rates and being driven from a +/-5 volt supply. EIA/TIA-574 is applicable to the interconnection of DTE and DCE employing serial binary data interchange where a minimal number of control and information circuits are required. This Standard also provides a solution to the problem of incorrect referencing. (This Standard was developed in recognition of the fact that a defacto interface had appeared in industry which, although it used the Circuit Definitions and Electrical Characteristics of TIA-232-D, was implemented on a 9-pin connector instead of the 25-pin connector specified in the Standard. As no Standard existed for this interface, many manufacturers incorrectly labeled this defacto interface "RS-232" causing confusion to the user community. TIA-574 resolves this dilemma.

Product Code 3 Dec, 1998 COMMITTEE: TR-30.2
\$56.00

TIA/EIA-602-A***Data Transmission Systems and Equipment, Serial Asynchronous Automatic Dialing and Control (ANSI/TIA/EIA-602-92) (R2000)***

The document is applicable to the interconnection of data terminal equipment (DTE) and data circuit-terminating equipment (DCE) employing serial binary data operation via the 100-series interchange circuits. This Standard identifies the protocol elements, procedures, and behaviors that were found to be held in common among a large portion of DCE manufacturers. It is intended, as much as possible, to preserve compatibility between DCEs and DTEs. Most DCEs implement a number of extensions and behavioral differences beyond the descriptions of this Standard; such extensions and differences are explicitly permitted by this Standard.

Product Code 3 Aug, 2000 COMMITTEE: TR-30.4
\$38.00

TIA/EIA-612***Electrical Characteristics for an Interface at Data Signaling Rates Up to 52 Mbit/s (ANSI/TIA/EIA-612-93) (R99)***

This document specifies the electrical characteristics of the balanced digital interface circuit, normally implemented in integrated circuit technology, that may be employed when specified for the interchange of serial binary signals between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) or in any point-to-point interconnection of serial binary signals between data equipment.

Product Code 3 Sept, 1999 COMMITTEE: TR-30.2
\$58.00

TIA/EIA-613***High Speed Serial Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment (ANSI/TIA/EIA-613-93)(R99)***

This document is applicable to the interconnection of data terminal equipment (DTE) and data circuit-terminating equipment (DCE) employing serial binary data interchange with control information exchanged on separate control circuits. This standard applies where equipment on one side of the DTE/DCE interface is intended for connection directly to equipment on the other side without additional technical considerations. Applications where cable termination, signal waveshaping, interconnection cable distance, and mechanical configurations of the interface must be tailored to meet specific user needs are not precluded but are beyond the scope of this standard.

Product Code 3 Sept, 1999 COMMITTEE: TR-30.2
\$51.00

TIA/EIA-644-A***Electrical Characteristics of Low Voltage Differential Signaling (LVDS) Interface Circuits (ANSI/TIA/EIA-644-A-2001)***

This document specifies low voltage differential signaling (LVDS) generators and receivers capable of operating at data signaling rates up to 655 Mbit/s, devices may be designed for data signaling rates less than 655 Mbit/s, 100 Mbit/s for example, when economically required for that application.

Product Code 3 Jan, 2001 COMMITTEE: TR-30.2
\$66.00

TIA/EIA-678***Data Transmission Systems and Equipment - Serial Asynchronous Automatic Dialing and Control for Character Mode DCE on Wireless Data Services (ANSI/TIA/EIA-678-99)***

This document: specifies extensions to the protocol elements, procedures and behaviors described in TIA/EIA-602; generalizes the protocol elements, procedures and behaviors described in TIA-602, making them applicable to DCE which operate over arbitrary data networks; defines the commands that the DTE may issue to interrogate the capabilities of the DCE, select among supported data network types for subsequent DCE processing of automatic calling and automatic call answering functions, and select among support DTE-DCE interface protocols; defines the responses the DCE shall issue to those commands; establishes required mappings between manufacturer-specific data network services and the DCE; establishes conventions for interworking of network-specific AP command sets in DCE which support multiple data network types; and establishes a minimal DCE Common AT Command Set.

Product Code 3 Apr, 1999 COMMITTEE: TR-30.2
\$109.00

TIA/EIA-678-1***Data Transmission Systems and Equipment - Serial Asynchronous Automatic Dialing and Control for Character Mode DCE on Wireless Data Services , Addendum 1 (ANSI/TIA/EIA-678-1-2000)***

This addendum adds 10 additional code points to the +WS46 command, WDS-Side Stack Selection

Product Code 3 Apr, 1999 COMMITTEE: TR-30.2
\$32.00

DATA INTERCHANGE TRANSMISSION EQUIPMENT (cont.)

TIA-688

DTE/DCE Interface for Digital Cellular Equipment (ANSI/TIA/EIA-688-97)

This document applies when equipment on one side of the data terminal equipment (DTE)/data circuit-terminating equipment (DCE) interface is intended for connection directly to equipment on the other side without additional technical considerations.

Product Code 3 Dec, 1997 COMMITTEE: TR-30.2 \$48.00

TIA/EIA-899

Electrical Characteristics of Multipoint-Low-Voltage Differential Signaling (M-LVDS) Interface Circuits for Multipoint Data Interchange (ANSI/TIA/EIA-899-2002)

This document specifies the electrical characteristics of low-voltage differential signaling interface circuits that may be employed when specified for the interchange of binary signals between equipment sharing a common data interchange circuit.

Product Code 3 Feb, 2002 COMMITTEE: TR-30.2 \$74.00

TIA-939

Procedures for Automatic Interworking Between T.30, V.18 bis, V.8, and V.32/Annex A Automode Modems and V.32 bis, V.32, V.22 bis, V.22, V.21, V.23, 212-Type and 103-Type Modems (ANSI/TIA-939-2003)

This standard specifies a procedure for a modem to automatically detect the modulation technique and data signaling rate of the modem it is connected with

Product Code 3 Jan, 2003 COMMITTEE: TR-30.1 \$48.00

TSB-18-A

The Mechanical/Functional Characteristics of the Interface between DCEs and Voiceband Analog Channels (r2002)

This document describes the eight-position plug and jack mechanical configuration, along with the interchange circuits and associated pin-pair relationships.

Product Code 3 July, 2002 COMMITTEE: TR-30.3 \$34.00

TSB-89

Application Guidelines for TIA/EIA-485-A (r2003)

This document provides guidelines for applying circuits complying with TIA/EIA-485-A to form a balanced multi-point data bus. The versatility of the 485 electrical standard covers a wide variety of data interchange applications that cannot all be covered in this application. The intent is to provide basic design guidelines of the physical layer.

Product Code 3 Jan, 2003 COMMITTEE: TR-30.2 \$60.00

TIA-825

A Frequency Shift Keyed Modem for Use on the Public Switched Telephone Network (ANSI/TIA-825-2000)

This document specifies a FSK modem which operates at nominal data signaling rates of 50 or 45.45 symbols per second over the switched telephone network

Product Code 3 Oct, 2000 COMMITTEE: TR-30.1 \$41.00

DTE/DCE INTERFACE

TIA-232-F

Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange (ANSI/TIA-232-F-1997) (R2002)

This document is applicable to the interconnection of data terminal equipment (DTE) and data circuit-terminating equipment (DCE) employing binary data interchange.

Product Code 3 Oct, 2002 COMMITTEE: TR-30.2 \$71.00

TIA/EIA-334-C

Signal Quality at Interface Between Data Terminal Equipment and Synchronous Data Circuit-Terminating Equipment for Serial Data Transmission (ANSI/TIA/EIA-334-C-2000)

This document provides a basis of agreement on the signal quality at the DTE/DCE interface in synchronous serial data transmission systems where timing leads are exchanged across the interface. A section on the significance of individual distortion on frequency measurements has been added and terminology has been revised to be consistent with that used in the ITU-T documents.

Product Code 3 Apr, 2000 COMMITTEE: TR-30.2 \$49.00

TIA/EIA-687

Medium Speed Interface for Data Terminal Equipment and Data Circuit Terminating Equipment (ANSI/TIA/EIA-687-97) (R2001)

This document applies where equipment on one side of the data terminal equipment (DTE) and data circuit-terminating equipment (DCE) interface is intended for connection directly to equipment on the other side without additional technical considerations.

Product Code 3 Nov, 2001 COMMITTEE: TR-30.2 \$62.00

TIA/EIA-694

Electrical Characteristics for an Unbalanced Digital Interface for Data Signaling Rates Up to 512 kbit/s (ANSI/TIA/EIA-694-97) (R2001)

This document specifies the electrical characteristics of the unbalanced voltage digital interface circuit, normally implemented in integrated circuit technology, that may be employed when specified for the interchange of serial binary signals between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) or in any point-to-point interconnection of serial binary signals between digital equipment.

Product Code 3 Nov, 2001 COMMITTEE: TR-30.2 \$47.00

TIA-723

High Speed 232 Type DTE/DCE Interface (ANSI/TIA/EIA-723-98)

This document is applicable to the interconnection of data terminal equipment (DTE) and data circuit-terminating equipment (DCE) employing serial binary data interchange with control information exchanged on separate control circuits.

Product Code 3 Sept, 1998 COMMITTEE: TR-30.2 \$64.00

DATA INTERCHANGE TRANSMISSION EQUIPMENT, DTE/DCE INTERFACE (cont.)

TSB-54-B

DTE/DCE Interface Selection Guide (1998)

This document has been prepared to assist in the choice of the proper interface standard for use between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE). The Bulletin provides two tables which show the available TIA interface standards.

Product Code 3 June, 1998 **COMMITTEE: TR-30.2**
\$41.00

EMERGENCY SERVICES (E-911)

WIRELESS

J-STD-034

Wireless Enhanced Emergency Services (ANSI-J-STD-034-2002)

This document is one in a series of recommendations that provides a solution for the limited capabilities of wireless enhanced emergency services. These capabilities include provision of base station, cell site or sector identification information; subscriber identification; callback and reconnect features.

Product Code 3 Jan, 2002 **COMMITTEE: TR-45.2**
\$140.00

J-STD-036-A

Enhanced Wireless 9-1-1, Phase 2 (ANSI-J-STD-036-A-2002)

This document defines the messaging required to support information transfer to identify and locate wireless emergency service callers.

Product Code 3 June, 2002 **COMMITTEE: TR-45.2**
\$280.00

J-STD-036-A-1

Enhanced Wireless 9-1-1, Phase 2, Addendum 1 (ANSI-J-STD-036-A-1-2002)

This document provides updates to the base document

Product Code 3 June, 2002 **COMMITTEE: TR-45.2**
\$Call for Pricing

FACSIMILE EQUIPMENT

TIA-668-A

High Frequency Radio Facsimile (ANSI/TIA/EIA-668-A-98) (R2003)

This document defines the image format, line format, synchronization method, and modulation method suitable for the transmission of images over noisy, low-bandwidth audio channels, especially HF radio links. This standard builds upon the current de facto standard in use in HF radios in the Amateur Radio Service using analog transmission techniques.

Product Code 3 Dec, 2004 **COMMITTEE: TR-30.5**
\$35.00

FIBER OPTICS

TSB-130

Generic Guidelines for Connectorized Polarization Maintaining Fiber and Polarizing Fiber Cable Assemblies for Use in Telecommunication Applications

This document provides familiarity and common usage of connectorized polarization maintaining fiber (PMF) and polarizing fiber (PZF) as used for telecommunication applications

Product Code 3 Jan, 2003 **COMMITTEE: FO-4.3**
\$40.00

CABLE, COLOR CODING

TIA/EIA-598-B

Optical Fiber Cable Color Coding (ANSI/TIA/EIA-598-B-2001)

This document defines the recommended identification scheme or system for individual fibers, fiber units, or a group of fiber units within a cable structure. May be used to identify appropriate fibers for the purpose of connecting and terminating within a communications system or topography of long haul, feeder routes, subscriber, or distribution applications for on premises and outside plant use.

Product Code 3 Nov, 2001 **COMMITTEE: FO-4.7**
\$55.00

CABLE, SPECIFICATIONS

TIA/EIA-4720000-A

Generic Specification for Fiber Optic Cable

This Generic Specification is the umbrella document for all fiber optic cables. It delineates minimum requirements that are common to all optical cable types, as well as providing a "shopping list" of test requirements and test methods that may be applied to families of cables targeted toward various applications, and to specific groups of cable designs.

Product Code 3 Sept, 1993 **COMMITTEE: FO-4.7**
\$85.00

TIA-472C000-A

Sectional Specification for Fiber Optic Communications Cable for Indoor Use

This Sectional Specification is intended for use only in conjunction with Basic Specification EIA/TIA-455-A, Generic Specification TIA/EIA-4720000-A, and with appropriate Detail Specification(s). It covers fiber optic cables intended for use in communications systems and in other systems employing similar technologies.

This Sectional Specification covers the requirements for optical cables containing multimode or single-mode optical fibers, or both. Such cables may include electrical conductors. It is intended that the optical fibers meet the requirements of the TIA/EIA-472 Series Specifications.

This Sectional Specification covers the requirements for optical cables that are designed for indoor use.

Product Code 3 Dec, 2003 **COMMITTEE: FO-4.7**
\$74.00

FIBER OPTICS, CABLE, SPECIFICATIONS (cont.)

TIA/EIA-472D000-A

Sectional Specification for Fiber Optic Communications Cable for Outside Plant Use

This Sectional Specification is intended for use only in conjunction with Basic Specification TIA/EIA-455-B, Generic Specification TIA/EIA-4720000-A, and with appropriate Detail Specification(s). It covers fiber optic cables intended for use in communications systems and in other systems employing similar technologies.

This Sectional Specification covers the requirements for optical cables containing multimode or single-mode optical fibers, or both. Such cables may include electrical conductors. It is intended that the optical fibers meet the requirements of the EIA/TIA-472-Series Specifications.

This Sectional Specification covers the requirements for optical cables that are designed for outside plant use.

Product Code 3 Oct, 1993 **COMMITTEE: FO-4.7**
\$62.00

TIA-590-A

Standard for Physical Location and Protection of Below-Ground Fiber Optic Cable Plant

The purpose of this document is to establish a national standard that defines the location of installed outside fiber optic cable plant relative to its physical environment, including related protective measures necessary to reduce the probability of cable damage.

Product Code 3 Dec, 1996 **COMMITTEE: FO-4.0**
\$50.00

CABLES

TSB-107

Guideline for the Statistical Specification of Polarization Mode Dispersion on Optical Fiber Cables

This document provides information on: the statistical nature of polarization mode dispersion (PMD), why its necessary to use statistical specification/characterization methods, how to calculate the parameters, and the implications for system functionality. This document is also intended to clarify the proposals for statistical specification of PMD that are being developed in the IEC.

Product Code 3 Nov, 1999 **COMMITTEE: FO-4.7**
\$34.00

CLEAVING, SPECIFICATIONS

TIA-5430000

Generic Specification, Field Portable Electronic Instruments for Optical Fiber System Measurements

This document sets forth engineering and use requirements as necessary for optimum use of field portable electronic instruments for optical fiber system measurements. Intended to eliminate misunderstandings or confusion between the supplier and user with respect to product performance requirements and test procedures.

Product Code 3 Mar, 1998 **COMMITTEE: FO-4.9**
\$66.00

CONNECTORS, SPECIFICATIONS

TIA/EIA-604

Fiber Optic Connector Intermateability Standards (ANSI/TIA/EIA-604-93)(R2000)

This document, together with its addenda, provides standards for the intermateability of fiber optic connectors. Each addendum to this document is a Fiber Optic Connector Intermateability Standard (FOCIS) for a particular type or design of fiber optic connector.

The intermateability requirements in a FOCIS apply to mating optical components such as connector plugs, adaptors, and receptacles. The intermateability requirements in a FOCIS are to be for completed product. For example, for a connector plug the requirements are to be the requirements for the plug mounted with the fiber installed and ready for use.

Product Code 3 Aug, 2000 **COMMITTEE: FO-4.3**
\$39.00

TIA-604-1

FOCIS 1 - Fiber Optic Connector Intermateability Standard (r2002)

This document covers those features that are required to insure that biconic connectors conforming to the requirements of this standard are intermateable and that physical contact will be established between the plugs including the polished glass surfaces of the intermated connector assemblies.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$43.00

TIA-604-2

FOCIS 2 - Fiber Optic Connector Intermateability Standard, Type ST (ANSI/TIA-604-2-1997) (R2002)

This document presents the intermateability standard for simplex and duplex bayonet fiber optic connectors, and is issued as an addendum to TIA/EIA-604. The requirements in FOCIS 2 have been selected with the objective of ensuring that any combination of plugs and sockets conforming to the requirements will mechanically intermate, and that intermated connector assemblies will meet their common level of performance.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.3**
\$49.00

TIA/EIA-604-3-A

FOCIS 3 - Fiber Optic Connector Intermateability Standard, Type SC (ANSI/TIA/EIA-604-3-A-2000)

This document is part of the series of test standards included within TIA/EIA-604, "Fiber Optic Connector Intermateability Standards (FOCIS)." FOCIS 3 presents the intermateability standard for connectors with the commercial designation SC.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.3**
\$55.00

TIA/EIA-604-4-A

FOCIS 4 - Fiber Optic Connector Intermateability Standard, Type FC and FC-APC (ANSI/TIA/EIA-604-4-A-2000)

This document is part of the series of test standards included within TIA/EIA-604, "Fiber Optic Connector Intermateability Standards (FOCIS)." FOCIS 4 presents the intermateability standard for connectors with the commercial designation FC.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.3**
\$55.00

FIBER OPTICS, CONNECTORS, SPECIFICATIONS (cont.)

TIA-604-5-B

FOCIS 5 - Fiber Optic Connector Intermateability Standard, Type MPO (ANSI/TIA-604-5-B-2002)

This document presents the intermateability standard for connectors with the commercial designation of MPO.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.3**
\$55.00

TIA/EIA-604-6

FOCIS 6 - Fiber Optic Connector Intermateability Standard (Fiber Jack Connector) (ANSI/TIA/EIA-604-6-99)

This document presented the intermateability standard for connectors with the commercial designation FIBER JACK, and is issued as an addendum to TIA/EIA-604. The requirements in FOCIS 6 have been selected with the objective of ensuring that any combination of plugs and sockets conforming to the requirements will mechanically intermate, and that intermated connector assemblies will meet their common level of performance.

Product Code 3 Mar, 1999 **COMMITTEE: FO-4.3**
\$55.00

TIA-604-7-A

FOCIS 7 - Fiber Optic Connector Intermateability Standard (ANSI/TIA/EIA-604-7-A-2002)

This document presents the intermateability standard for connectors designated Type SG, and is issued as an addendum to TIA/EIA-604. The requirements in FOCIS 7 have been selected with the objective of ensuring that any combination of plugs and sockets conforming to the requirements will mechanically intermate, and that intermated connector assemblies will meet their common level of performance.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.3**
\$49.00

TIA/EIA-604-10-A

FOCIS 10 - Fiber Optic Connector Intermateability Standard (ANSI/TIA/EIA-604-10-A-2002)

This document is part of the series of test standards included with TIA/EIA-604, Fiber Optic Connector Intermateability Standards (FOCIS). FOCIS 10 present the intermateability standard for simplex and duplex connectors with the commercial designation LC.

Product Code 3 Mar, 2002 **COMMITTEE: FO-4.3**
\$64.00

TIA/EIA-604-12

FOCIS 12 - Fiber Optic Connector Intermateability Standard, Type MT-RJ (ANSI/TIA/EIA-604-12-2000)

This document presents the intermateability standard for connectors with the commercial designation of MT-RJ, and is used as an addendum to TIA/EIA-604. The provisions of TIA/EIA-604 apply to this standard.

Product Code 3 Aug, 2000 **COMMITTEE: FO-4.3**
\$57.00

TIA-604-13

FOCIS 13 - Fiber Optic Connector Intermateability Standard, Type SFOC 1.25 (ANSI/TIA-604-13-2002)

This document presents the intermateability standard for simplex and duplex connectors with the commercial designation SFOC 1.25 (Shuttered Fiber Optic Connector 1.25 mm)

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.3**
\$60.00

TIA-604-15

FOCIS 15 - Fiber Optic Connector Intermateability Standard, Type MF (ANSI/TIA-604-15-2003)

This document presents the intermateability standard for connectors with commercial designation of MF

Product Code 3 Jan, 2003 **COMMITTEE: FO-4.3**
\$58.00

TIA-604-16

FOCIS 16 - Fiber Optic Connector Intermateability Standard, Type LSH (ANSI/TIA-604-16-2003)

This document presents the intermateability standard for simplex and duplex connectors with the commercial designation LSH

Product Code 3 Jan, 2003 **COMMITTEE: FO-4.3**
\$55.00

TIA-604-17

FOCIS 17 - Fiber Optic Connector Intermateability Standard, Type MU (ANSI/TIA-604-17-2004)

This document presents the intermateability standard for connectors with the commercial designation MU

Product Code 3 Feb, 2004 **COMMITTEE: FO-4.3**
\$63.00

CONNECTORS/RELIABILITY

TSB-145

Reliability of Passive Fiber Optic Components: Failure Modes and Mechanisms of Fiber Optic Connectors

This document reviews the subject of reliability of connectors from the standpoint of failure modes

Product Code 3 Feb, 2003 **COMMITTEE: FO-4.3**
\$58.00

OPTICAL FIBER SYSTEMS DESIGN

TIA-559

Single-Mode Fiber Optic System Transmission Design (r2002)

The intent of this document is to describe a methodology that is recommended for engineering a single-mode fiber optic transmission system. The methods address the design of a regenerator section in which the transmitter and receiver come from the same vendor. As an initial step, only laser systems operating in the 1300 nm region over a class IVa (refers to dispersion non-shifted single-mode fibers, this definition is contained in TIA/EIA-492) dispersion unshifted fiber are being considered. As engineering technology improves, this document will be revised to include systems operating in the 1550 nm region. For systems using multilongitudinal mode lasers above approximately 0.5 Gb/s. The calculated dispersion limited lengths may be conservatively low.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$79.00

FIBER OPTICS, OPTICAL FIBER SYSTEMS DESIGN (cont.)

TIA-559-1

Single-Mode Fiber Optic System Transmission Design (r2002)

This is an addendum to EIA/TIA-559. In some applications, the immediate requirements for transmission capacity in terms of length and bandwidth may be modest, and operation at short wavelengths may be advantageous, for economic or other reasons. Nevertheless, high-capacity single-mode fiber may need to be deployed in anticipation of future upgrading to broadband transmission. Such a scenario may lead to short-wavelength transmission over Class IVa fiber. The system engineering methodology outlined in this document can be applied to such a system, subject to certain modifications outlined in the Appendix of this document.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.0**
\$37.00

TIA-626

Multimode Fiber Optic Link Transmission Design

This document describes a methodology for designing a multimode digital fiber optic transmission link. The methods address the types of transmitters, fiber, and receivers used in a link as well as the performance characteristics of any passive components within a link.

Product Code 3 Oct, 1995 **COMMITTEE: FO-4.2**
\$92.00

TIA/EIA-785

100 Mb/s Physical Layer Medium Dependent Sublayer and 10 Mb/s Auto-Negotiation on 850 nm Fiber Optics (ANSI/TIA-785-2001)

This document specifies the 100BASE-X-PMD (including MDI) and fiber optic medium for a short wavelength, multimode fiber, 100BASE-SX.

Product Code 3 May, 2001 **COMMITTEE: FO-4.2**
\$71.00

TIA-785-1

100 Mb/s Physical Layer Medium Dependent Sublayer and 10 Mb/s Auto-Negotiation on 850 nm Fiber Optics, Addendum 1 (ANSI/TIA-785-1-2001)

This addendum corrects errors in TIA/EIA-785

Product Code 3 May, 2001 **COMMITTEE: FO-4.2**
\$74.00

OPTICAL FIBER SYSTEMS TESTING

TIA-526

Standard Test Procedures for Fiber Optic Systems

This document, together with its addenda, provides uniform test procedures for testing all or part of fiber optic systems or subsystems intended for optical communications and data transmission use. In testing an installed system, the testing organization will usually have little or no control over the environment which each component of the system will be experiencing; consequently, when the procedures covered by this document and its addenda are used for acceptance testing of a particular system, the results shall be evaluated with the understanding that all system components might not be at the standard conditions at which they were originally tested and accepted. When a system is being tested as a representative of other systems not yet built, environmental conditions shall, however, be as close to the standard ambient conditions listed in Section 6 as is practicable.

Product Code 3 **COMMITTEE: FO-4.0**
\$47.00

TIA-526-2

OFSTP-2 - Effective Transmitter Output Power Coupled into Single-Mode Fiber Optic Cable

The intent of this test procedure is to measure the effective optical power coupled from the output of the transmitter of the single-mode fiber optic terminal equipment under test, into a single-mode fiber optic cable containing Class IVa dispersion unshifted fiber of Class IVb dispersion shifted fibers.

Product Code 3 July, 1989 **COMMITTEE: FO-4.1**
\$39.00

TIA-526-3

OFSTP-3 - Fiber Optic Terminal Equipment Receiver Sensitivity and Maximum Receiver Input

The intent of this test procedure is to measure the minimum optical power required at the input of the single-mode fiber optic system receiver connector (on the line side) to operate at specified Bit Error Ratios (BERs), and to verify that the guaranteed error performance is obtained at the minimum and the maximum optical input power specified by the terminal equipment manufacturer.

Product Code 3 July, 1989 **COMMITTEE: FO-4.1**
\$39.00

TIA/EIA-526-4-A

OFSTP-4 - Optical Eye Pattern Measurement Procedure

The intent of this test procedure is to describe a method of measuring the repetitive temporal characteristics of a two-level, intensity-modulated optical waveform (eye pattern), at an optical interface point. From the measured eye pattern, waveform parameters such as rise time, fall time, overshoot, and extinction ratio can be extracted. Alternatively, the waveform can be tested for compliance with a predetermined waveform mask. The primary components of the measurement system are a photodetector, a low-pass filter, and an oscilloscope.

Product Code 3 Aug, 1997 **COMMITTEE: FO-4.1**
\$58.00

FIBER OPTICS, OPTICAL FIBER SYSTEMS TESTING (cont.)

TIA/EIA-526-7

OFSTP-7 - Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant

The intent of this test procedure is to ensure that meaningful data describing the optical loss performance of installed single-mode cable plant can be obtained. It is not intended for component testing, nor does it define those elements of an installation that must be measured. The document that invokes this procedure shall establish the requirements for installation, maintenance, repair and conformance testing.

Product Code 3 July, 1998 **COMMITTEE: FO-4.1**
\$51.00

TIA/EIA-526-10

OFSTP-10 - Measurement of Dispersion Power Penalty in Digital Single-Mode Systems

The intent of this test procedure is to measure the dispersion (ps/nm) the system is designed to accommodate as specified by the manufacturer. The power penalty is measured at the manufacturer-specified Bit-Error-Ratio (BER) performance level (typically 10). NOTE: To achieve large amounts of dispersion with relatively short lengths of fiber, the measurement technique described in this document may involve the use of a fiber having a zero-dispersion wavelength at some wavelength region (e.g., 1310 nm) not provide an accurate measurement of the dispersion power penalty resulting from a long length of fiber which has zero dispersion in the same region as the system wavelength.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.1**
\$46.00

TIA-526-11

OFSTP-11 - Measurement of Single-Reflection Power Penalty for Fiber Optic Terminal Equipment

The intent of this test procedure is to measure the power penalty due to a single-reflection point reflecting optical power back into the laser transmitter of the single-mode digital fiber optical terminal equipment under test.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.1**
\$46.00

TIA-526-14-A

OFSTP-14 - Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant

The intent of this document is to establish preferred measurement principles and practices to assure that meaningful data describing the optical loss performance of installed cable plant can be obtained. It is not intended for component testing, nor does it define those elements of an installation that must be measured. Establishment of requirements for installation, maintenance, repair or conformance testing is left to the specifier of this test method.

Product Code 3 June, 1998 **COMMITTEE: FO-4.2**
\$55.00

TIA-526-15

OFSTP-15 - Jitter Tolerance Measurement

The intent of this test procedure is to measure jitter tolerance (also known as jitter accommodation) in terms of the sinusoidal jitter amplitude that, when applied to an equipment input, causes a designated degradation of error performance. Jitter tolerance is a function of the amplitude and frequency of the applied jitter.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.4**
\$45.00

TIA-526-16

OFSTP-16 - Jitter Transfer Function Measurement

The intent of this test procedure is to measure the jitter transfer characteristic of an individual digital equipment as the ratio of the output jitter to the applied input jitter as a function of frequency.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.4**
\$45.00

TIA-526-17

OFSTP-17 - Output Jitter Measurement

The intent of this test procedure is to measure (1) output jitter at hierarchical interfaces, and (2) intrinsic jitter generated by individual digital equipment. Measurements of output jitter may be in terms of rms and peak-to-peak amplitudes over designated frequency ranges and may require statistical characterization.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.4**
\$43.00

TIA-526-18

OFSTP-18 - Systematic Jitter Generation Measurement

The intent of this test procedure is to measure systematic jitter on a digital signal at the output port of an individual digital equipment, including pattern dependent sources such as intersymbol interference, finite pulse width, pattern effects, and clock threshold offsets.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.4**
\$43.00

TIA/EIA-526-19

OFSTP-19 - Optical Signal-to-Noise Ratio Measurement Procedures for Dense Wavelength-Division Multiplexed Systems (ANSI/TIA/EIA-526-19-2000)

The intent of this test procedure is to provide a parameter definition and a test method for obtaining optical signal-to-noise ratio (OSNR) using apparatus that measures the optical spectrum at a multi-channel interface.

Product Code 3 May, 2000 **COMMITTEE: FO-4.1**
\$55.00

TIA-526-27

OFSTP-27 - Procedure for System-Level Temperature Cycle Endurance Test

The intent of this test procedure is to detail a temperature cycle endurance test that is meant to demonstrate the capability of fiber optic telecommunications equipment to operate reliably in uncontrolled environments.

Product Code 3 June, 1998 **COMMITTEE: FO-4.4**
\$55.00

TSB-19

Optical Fiber Digital Transmission Systems: Considerations for Users and Suppliers (r2002)

This document provides engineering, operational, and maintenance guidance to users and suppliers of Optical Fiber Digital Transmission Systems for telecommunications applications. The information presented applies to optical fiber systems using multimode graded or step index fibers. Single-mode systems are under consideration and will be incorporated in a future issue of this document.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$81.00

FIBER OPTICS, OPTICAL FIBER SYSTEMS TESTING (cont.)

TSB-62-24

ITM-24 Fiber Break Source Analysis (2004)

This document determines the approximate break stress that caused fracture of an optical fiber

Product Code 3 Apr, 2004 **COMMITTEE: FO-4**
\$Call for Pricing

**PASSIVE OPTICAL BRANCHING DEVICES,
 SPECIFICATIONS**

TIA-6200000

Generic Specification for Passive Optical Branching Devices (r2002)

This document applies to passive optical branching devices intended for use in communications systems and in other systems employing similar technologies. This Generic Specification used in conjunction with a Sectional Specification and corresponding Blank Detail Specification describes the branching device, dimensional, mechanically, optically, environmentally, and electrically, and defines specific values for the performance requirements as allowed by the relevant Sectional Specification and Blank Detail Specification.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$64.00

**SINGLE-MALE FIBER OPTIC BRANCHING DEVICES,
 SPECIFICATIONS**

TIA-620A000

Sectional Specification for Single-Mode Fiber Optic Branching Devices for Outside Plant Applications (r2002)

This document describes the Sectional Specification for the purpose of setting forth engineering and use requirements as necessary for purchase of single-mode passive branching devices for outside plant applications. Use of this document is intended to be in conjunction with the associated Blank Detail Specifications, the Generic Specification TIA/EIA 620000, and EIA/TIA-455-A.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$49.00

TIA-620AA00

Blank Detail Specification for Single-Mode Fiber Optic Branching Devices for Outside Plant Applications (r2002)

This document is a supplementary document to Sectional Specification TIA/EIA-620A000 and contains requirements for style, layout, and minimum content of Detail Specifications for fiber optic branching devices. This document can be used to prepare Detail Specifications for Single-Mode Fiber Optic Branching Devices for outside plant applications. The scope of this specification applies to uniform single-mode passive branching devices.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$47.00

SPLICES

TIA-6090000

Generic Specification for Optical Fiber Splice

This specification applies to optical fiber splices used in fiber optic telecommunications. This document describes the general method to classify splice types, evaluate mechanical and optical performance, and establish the quality assessment provisions for optical fiber splices.

Product Code 3 July, 2000 **COMMITTEE: FO-4.3**
\$64.00

TIA-609A000

Sectional Specification for Conventional, Permanent, Optical Fiber Splice

This Sectional Specification covers conventional, permanent, optical fiber splice modules. Reusable and unconventional splice modules that meet the requirements of the Detail Specification may also be said to meet this Sectional Specification. Optimization of the splice (i.e., tuning or repositioning of the fibers) does not constitute reuse. This specification, in conjunction with the related Generic, Blank Detail, and Detail Specifications, defines the requirements for this splice type.

Product Code 3 July, 2000 **COMMITTEE: FO-4.3**
\$47.00

TIA-609AA00

Blank Detail Specification for Conventional, Permanent, Optical Fiber Splice

This Blank Detail Specification covers the quality assessment of conventional, permanent optical fiber splices to be used for telecommunications

Product Code 3 July, 2000 **COMMITTEE: FO-4.3**
\$60.00

SPLICES, SPECIFICATIONS

TIA-5150000

Generic Specification for Optical Fiber and Cable Splices (r2002)

This Generic Specification describes the mechanical and optical performance of optical fiber and optical cable splices used in optical waveguide communications. Excluded are splices unique to the fiber and cable manufacturing process.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$48.00

TIA-515B000

Sectional Specification for Splice Closures for Pressurized Aerial, Buried, and Underground Fiber Optic Cables (r2002)

This specification is to prescribe preferred ratings and characteristics for pressurized aerial, buried or underground fiber optic splice closures; to select from TIA-5150000, "Generic Specification for Optical Fiber and Cable Splices," the appropriate quality assessment procedures, tests, and measuring methods; and to give general performance requirements for this type splice closure.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.0**
\$48.00

FIBER OPTICS (cont.)

SYMBOLS, TERMINOLOGY

TIA-440-B

Fiber Optic Terminology (ANSI/TIA-440-B-2004)

The increased usage of fiber optic technology has created the need to standardize on the terms used. This document establishes the applicable terms and to reference a definition for each.

Product Code 3 Apr, 2004 **COMMITTEE: FO-4.0**
\$120.00

TIA-587

Fiber Optic Graphic Symbols

The increased usage of fiber optic graphic symbols to depict system and test setup configurations has created the need to standardize on the graphic symbols used. It is the purpose of this standard to establish the applicable symbols and to reference a term or definition for each. Those terms or definitions referenced by the graphic symbols is this document can be found covered in detail in the glossary, TIA-440-A "Fiber Optic Terminology" or its addendum.

Product Code 3 Oct, 1996 **COMMITTEE: FO-4.0**
\$45.00

TERMINAL DEVICES, SPECIFICATIONS

TIA-5090000

Generic Specification for Fiber Optic Terminal Devices

This document specifies electrical input/output parameters for fiber optic terminal devices and establishes uniform requirements with respect to classification by device type and function, electrical and optical measurement methods, environmental and mechanical tests, and safety, where applicable.

Product Code 3 Aug, 1984 **COMMITTEE: FO-4.0**
\$37.00

TEST PROCEDURES (FOTPs)

TIA/EIA-455-B

Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and other Fiber Optic Components (ANSI/TIA/EIA-455-B-98)

The intent of this test procedure is to provide uniform procedures for testing Fiber Optic system components for optical communications and data transmission systems. The procedures standardize the method for establishing the light losses and junction efficiency for conformance to individual component requirements. The procedures are applicable for both single fiber and multiple fiber (bundle) devices.

Product Code 3 **COMMITTEE: FO-4.6**
\$4,460.00

TIA/EIA-455-1-B

FOTP-1 - Cable Flexing for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-1B-98)

The intent of this test procedure is to determine the ability of fiber optic interconnecting devices, device interfaces, and strain reliefs to withstand bending and flexing stresses resulting from loads as might be experienced during installation and service conditions.

Product Code 3 Oct, 1998 **COMMITTEE: FO-4.3**
\$49.00

TIA/EIA-455-2-C

FOTP-2 - Impact Test Measurements for Fiber Optic Devices (ANSI/TIA/EIA-455-2C-98)

The intent of this test procedure is to determine the ability of fiber optic component or assembly (device) to withstand impacts of the type that might be encountered in normal service.

Product Code 3 July, 1998 **COMMITTEE: FO-4.3**
\$55.00

TIA-455-3-A

FOTP-3 - Procedure to Measure Temperature Cycling Effects on Optical Fibers, Optical Cable, and Other Passive Fiber Optic Components

The intent of this test procedure is to describe a method for the determination of temperature cycling effects or the temperature dependence of attenuation on optical fibers, cables, cable assemblies, connectors, and/or other passive fiber optic devices.

Product Code 3 May, 1989 **COMMITTEE: FO-4.6**
\$49.00

TIA/EIA-455-4-C

FOTP-4 - Fiber Optic Component Temperature Life Test (ANSI/EIA-455-4-C-2002)

The intent of this test procedure is to determine the effects on the optical and mechanical characteristics of fiber optic components resulting from exposure to an evaluated temperature for a specific length of time. (This method is similar to Method 1005.1 of MIL-STD-1344A, except that this procedure includes supplementary measurements.) The procedure is applicable to all types of fiber optic devices including connectors, splices, passive branching devices (couplers), etc.

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$43.00

TIA/EIA-455-5-C

FOTP-5 - Humidity Test Procedure for Fiber Optic Components (ANSI/TIA/EIA-455-5-C-2002)

The intent of this test procedure is to evaluate the optical and material properties of fiber optic components as they are influenced or deteriorated by the effects of high humidity and heat conditions. The procedure is applicable to all types of fiber optic devices including connectors (or composite fiber optic and electrical interconnecting devices), splices, passive branching devices (couplers), etc. This is an accelerated environmental test, accomplished by the continuous exposure of the specimen to high relative humidity at various temperatures. Measurements made under high humidity conditions may reflect only the peculiar conditions under which the readings were made; as such, they should be compared to initial readings only when careful analysis indicates that such a comparison is valid and applicable.

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$58.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-6-B

FOTP-6 - Cable Retention Test Procedure for Fiber Optic Cable Interconnecting Devices (r2003)

The intent of this test procedure is to determine the mechanical stress of the interconnecting-device-to-fiber-optic-cable-joint in tension. The results of this test provide an indication as to the relative strength of the cable-to-interconnecting device joint and may also indicate degradation resulting from prior environmental exposure.

Product Code 3 Mar, 2003 **COMMITTEE: FO-4.3**
\$48.00

TIA/EIA-455-8

FOTP-8 - Measurement of Splice or Connector Loss and Reflectance Using an OTDR (ANSI/TIA/EIA-455-8-2000)

The intent of this test procedure is to describe the use of an optical time-domain reflectometer (OTDR) to indirectly measure the loss and reflectance of a splice or connector

Product Code 3 Apr, 2000 **COMMITTEE: FO-4.6**
\$55.00

TIA-455-11-B

FOTP-11 - Vibration Test Procedure for Fiber Optic Components and Cables (ANSI/TIA-455-11-B-94) (R2002)

The intent of this test procedure is to determine the effects of vibration within the sinusoidal and random vibration environments that may be encountered during the life of the fiber optic component. The procedure is applicable to all types of fiber, cable or cable assemblies, and fiber optic devices including connectors, splices, passive branching devices (couplers), etc.

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$53.00

TIA-455-12-A

FOTP-12 - Fluid Immersion Test for Fiber Optic Components

The intent of this test procedure is to establish the ability of a fiber optic component (cable, connecting device, etc.) to resist degradation when exposed to specific fluids with which the component may come into contact during its service life. (Note: For fluid immersion testing of optical fiber, refer to FOTP-75.)

Product Code 3 Aug, 1989 **COMMITTEE: FO-4.7**
\$34.00

TIA-455-13-A

FOTP-13 - Visual and Mechanical Inspection of Fiber Optic Components, Devices, and Assemblies (r2002)

The intent of this test procedure is to provide the basic criteria for visual and mechanical inspection of fiber optic component parts and assemblies. Additionally, it provides the infrastructure for use with other FOTPs and associated Generic, Sectional, or Detail Specifications that may detail explicit requirements for reported information and acceptance criteria. This test method may be used at any stage, or at event milestones, of the qualification or quality conformance inspection test sequence as a "stand alone" test or for pre/post exposure examinations.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$45.00

TIA-455-14-A

FOTP-14 - Fiber Optic Shock Test (Specified Pulse) (r2002)

The intent of this test procedure is to determine the ability of fiber optic components (such as interconnecting devices) to withstand shocks such as those expected from rough handling, transportation, and military operations.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$49.00

TIA-455-15-A

FOTP-15 - Altitude Immersion (ANSI/EIA/TIA-455-15-A-92) (R2002)

The intent of this test procedure is to demonstrate the ability of a fiber optic component device-to-cable attachment(s), and any interface area of mated component device seals, to perform satisfactorily during, and subsequent to, simulated rapid descents from high altitude, with attendant moisture condensation. Typically, fiber optic interconnecting devices are most commonly tested by this method, but the methodology can be applied to various other types of fiber optic components.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.3**
\$46.00

TIA/EIA-455-16-A

FOTP-16 - Salt Spray (Corrosion) Test for Fiber Optic Components (ANSI/EIA/TIA-455-16-A-91) (R2000)

The intent of this test procedure is to determine the effects of a controlled salt-laden atmosphere on Fiber Optic device components, finishes and mechanisms. Typical effects of this test include, but are not limited to: exposure of base metals, pitting and porosity of finishes; cracking and delamination of components or finishes, or both; abnormal nicks, cracks or scratches on finished surfaces that indicate the removal of the normal protective coating; change of optical transmittance or insertion loss values, or change of electrical properties.

Product Code 3 May, 2000 **COMMITTEE: FO-4.3**
\$49.00

TIA/EIA-455-20-A

FOTP-20 - Measurement of Change in Optical Transmittance (ANSI/TIA/EIA-455-20-A-96) (R2001)

The intent of this test procedure is to provide uniform methods for monitoring and measuring the change in optical transmittance of fiber optic circuits or paths of various configurations. This FOTP may be referenced by a Detail Specification or similar document, but the procedure is usually applied to a passive optical device undergoing other testing as described in another procedure, hereafter called "the primary FOTP," which may invoke its use. Typical applications include evaluating effects of environmental or mechanical stresses on interconnecting devices, fiber or cable.

Product Code 3 Aug, 2001 **COMMITTEE: FO-4.0**
\$48.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-21-A

FOTP-21 - Mating Durability for Fiber Optic Interconnecting Devices (r2002)

The intent of this test procedure is to determine the effects of repeated matings and unmatings on the optical and mechanical characteristics of fiber optic connectors and other interconnecting devices. The number of mating/unmating cycles should be selected to simulate the expected life of the connectors under test.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.3**
\$47.00

TIA-455-22-B

FOTP-22 - Ambient Light Susceptibility of Fiber Optic Components (r2003)

The intent of this test procedure is to describe a method to establish the susceptibility of components such as cabled fibers, interconnecting devices, splices, or couplers to ambient light. Test conditions simulate expected conditions of use and is unlikely to produce failing results for any fiber optic cable with a black or other opaque-colored jacket. Cable failures may occur with transparent or translucent jackets.

Product Code 3 Mar, 2003 **COMMITTEE: FO-4.3**
\$45.00

TIA-455-23-A

FOTP-23 - Air Leakage Testing of Fiber Optic Components Seals (r2002)

The intent of this test procedure is to establish integrity of the seal of the interfaces in a fiber optics device (component or assembly, such as a connector).

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$38.00

TIA-455-24

FOTP-24 - Water Peak Attenuation Measurement of Single-Mode Fibers (ANSI/TIA-455-24-91) (R2000)

The intent of this test procedure is to determine the attenuation of single-mode optical fibers in the vicinity of the hydroxyl ion (OH⁻) absorption peak (water peak) near 1385 nm.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.6**
\$47.00

TIA/EIA-455-25-C

FOTP-25 - Impact Testing of Optical Fiber Cables (ANSI/TIA/EIA-455-25-C-2002)

The intent of this test procedure is to provide a method to determine the ability of optical fiber cables to withstand impact loads. The following parameters may be measured or observed: (a) the number of broken fibers caused by impacting the cable, (b) damage to the outer sheath, and (c) changes in optical transmittance.

Product Code 3 Jan, 2002 **COMMITTEE: FO-4.7**
\$44.00

TIA-455-26-A

FOTP-26 - Crush Resistance of Fiber Optic Interconnecting Devices (r2002)

The intent of this test procedure is to determine the ability of a fiber optic interconnecting device to withstand a load that might be encountered when a wheeled vehicle is driven over the device.

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$40.00

TIA/EIA-455-28-C

FOTP-28 - Method for Measuring Dynamic Tensile Strength and Fatigue Parameters of Optical Fibers by Tension (ANSI/TIA/EIA-455-28C-99)

The intent of this test procedure is to measure the tensile strength of optical fiber at a specified constant rate of loading and environment is designed for determining fiber strength. Since this method is 100% destructive, it shall not be a substitute for any proof testing which may be done additionally. This method is to be applied only to optical fibers. It shall not be used for cables or bundles of fiber. This test may be applied to fibers as manufactured or to fibers that are exposed to alternative environments.

Product Code 3 Mar, 1999 **COMMITTEE: FO-4.6**
\$59.00

TIA/EIA-455-31-C

FOTP-31 - Proof Testing Optical Fibers by Tension (ANSI/TIA/EIA-455-31-C-95) (R99)

The intent of this test procedure is to describe procedures for briefly applying a specified tensile load to continuous lengths of all Class I and Class IV, glass/glass optical fibers. This FOTP should not be applied to Class II (glass/plastic) and Class III (all-plastic) fibers. This method is intended to ensure a minimum strength for fiber that survives proof testing. The minimum strength is a key parameter for determining the minimum survival time at loads less than the minimum strength.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.6**
\$50.00

TIA/EIA-455-32-A

FOTP-32 - Fiber Optic Circuit Discontinuities (ANSI/EIA/TIA-455-32-A-90) (R95) (R99)

The intent of this test procedure is to provide a method of testing a broad variety of passive or active fiber optic components or subsystems for susceptibility to discontinuities (transient output or transmittance fluctuations) during the application of an external stimulus, such as vibration or physical shock.

Product Code 3 Oct, 1999 **COMMITTEE: FO-4.3**
\$49.00

TIA-455-33-A

FOTP-33 - Fiber Optic Cable Tensile Loading and Bending Test

The intent of this test procedure is intended to verify the ability of a fiber optic cable to satisfactorily perform as required by Detail Specifications (a) while undergoing tensile and bending forces and (b) after undergoing tensile and bending forces.

Product Code 3 Aug, 1987 **COMMITTEE: FO-4.7**
\$49.00

TIA/EIA-455-34-A

FOTP-34 - Interconnection Device Insertion Loss Test (ANSI/TIA/EIA-455-34-A-95) (R2002)

The intent of this test procedure is to define methods by which the optical insertion loss of a complete fiber optic interconnection can be measured.

Product Code 3 May, 2002 **COMMITTEE: FO-4.3**
\$49.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-35-A

FOTP-35 - Fiber Optic Component Dust (Fine Sand) Test (ANSI/EIA/TIA-455-35-A-90) (R95) (R99)

The intent of this test procedure is to describe a dust test used to ascertain the ability of fiber optic components to resist the effects of a dry dust (fine sand) laden atmosphere. This test simulates the effect of sharp edged dust (fine sand) particles, up to 150 mm in size, which may penetrate into cracks, crevices and joints. This test is applicable to all optical devices and to combinations of optical devices and mechanical, electrical, electronic, electrochemical, or electromechanical devices for which exposure to the effects of a dry dust (fine sand) laden atmosphere is anticipated.

Product Code 3 Oct, 1999 **COMMITTEE: FO-4.3**
\$34.00

TIA-455-36-A

FOTP-36 - Twist Test for Fiber Optic Connecting Devices (R2002)

The intent of this test procedure is to determine the ability of connectors, connector interfaces and strain reliefs to withstand tension and twisting forces as might be experienced by lead assemblies during installation and service conditions.

Product Code 3 June, 2002 **COMMITTEE: FO-4.0**
\$40.00

TIA/EIA-455-37-A

FOTP-37 - Low or High Temperature Bend Test for Fiber Optic Cable (ANSI/TIA/EIA-455-37-A-93) (R2000)

The intent of this test procedure is to describe a procedure for determining the ability of a fiber optic cable to withstand bending at low or high temperatures. Evaluation of this ability is made by visual examination and by either measuring the change in optical transmittance or monitoring fiber continuity.

Product Code 3 Dec, 2000 **COMMITTEE: FO-4.7**
\$48.00

TIA-455-38

FOTP-38 - Measurement of Fiber Strain in Cables Under Tensile Load

The intent of this test procedure is to provide an accurate method for measuring changes in the average longitudinal strain on a cabled optical fiber. It is not the purpose of this document to outline a method to statically measure absolute strain, but instead to actively measure changes in strain from one loading condition to another.

Product Code 3 Aug, 1995 **COMMITTEE: FO-4.7**
\$47.00

TIA/EIA-455-39-B

FOTP-39 - Fiber Optic Cable Water Wicking Test (ANSI/TIA/EIA-455-39-B-99)

The intent of this test procedure is to describe the method of measuring the water wicking characteristics of all types of fiber optic cables.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.7**
\$45.00

TIA/EIA-455-41-A

FOTP-41 - Compressive Loading Resistance of Fiber Optic Cables (ANSI/TIA/EIA-455-41-A-93) (R2001)

The intent of this test procedure is to determine the ability of a fiber cable to mechanically and optically withstand, or recover from (or both), the effects of a slowly-applied compressive force. The following parameters may be measured or observed: the number of fibers broken during compressive loading; the changes in optical transmittance or attenuation during or after the loading; any change in the outer covering.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.7**
\$43.00

TIA/EIA-455-42-A

FOTP-42 - Optical Crosstalk in Fiber Optic Components (ANSI/TIA/EIA-455-42-A-1989) (R2001)

The intent of this test procedure is to determine the crosstalk ratio between any two optical paths in a cable, connectorized cable, slice or similar device. In addition, the device's contribution to the crosstalk in a system may be determined. The effectiveness of the material surrounding the optical conducting device in restricting light paths to other elements may also be measured. However, note that the test methods of FOTP-180 should be used to measure crosstalk in fiber optic couplers (branching devices) and in similar devices of this class.

Product Code 3 May, 2001 **COMMITTEE: FO-4.0**
\$34.00

TIA/EIA-455-43-A

FOTP-43 - Output Near-Field Radiation Pattern Measurement of Optical Waveguide Fibers (ANSI/TIA/EIA-455-43-A-99)

The intent of this test procedure is to describe a useful working method for the measurement of near-field radiation patterns, primarily for the purpose of measuring the core diameter of multimode optical fibers.

Product Code 3 Oct, 1999 **COMMITTEE: FO-4.6**
\$49.00

TIA-455-44-B

FOTP-44 - Refractive Index Profile, Refracted Ray Method (TIA-455-44-B-2002)

The intent of this test procedure is to describe a method for measuring the refractive index profile, including core, cladding, and barrier layers of single-mode and class 1a multimode fibers. It is destructive in the sense that a freshly cleaved end is required. Scans are generally taken along a diameter of the fiber end, and data are displayed as relative incidence of refraction as a function of radius.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$47.00

TIA-455-46-A

FOTP-46 - Spectral Attenuation Measurement for Long-Length, Graded-Index Optical Fibers

The intent of this test procedure is to describe a procedure for measuring the spectral attenuation of long-length (≥ 1 km), graded-index, multimode optical fibers.

Product Code 3 Aug, 1990 **COMMITTEE: FO-4.6**
\$46.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-48-B

FOTP-48 - Measurement of Optical Fiber Cladding Diameter Using Laser-Based Instruments (ANSI/TIA/EIA-455-48-B-90) (R2000)

The intent of this test procedure is to measure the cladding (outside) diameter of an optical fiber drawing process prior to the application of the protective buffer coating(s). It is also used off-line as a quality inspection method. In this application, it is normally used instead of FOTP-45. Control of the cladding diameter is required to assure the performance of the fiber in cabling, connectorization and splicing. Uniformity of the cladding diameter along the length is also required.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.6**
\$49.00

TIA/EIA-455-50-B

FOTP-50 - Light Launch Conditions of Long-Length Graded-Index Optical Fiber Spectral Attenuation Measurements (ANSI/TIA/EIA-455-50-B-98) (R2001)

The intent of this test procedure is to establish the light launch conditions for Class Ia fiber attenuation measurements. Primary uses include FOTP46, FOT53, and FOT61. Either of two methods is allowed. Method A uses overfilled launch conditions along with a mandrel wrap mode filter. Method B uses restricted launch conditions created by beam optics. Values obtained by Methods A and B may not exactly agree, and care must be used when comparing them.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.6**
\$55.00

TIA/EIA-455-54-B

FOTP-54 - Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers (ANSI/TIA/EIA-455-54-B-98) (R2001)

The intent of this test procedure is to describe light launch conditions to the test fiber for the purpose of achieving a uniform overfilled launch with a laser diode or other light source. While FOTP54 can be used to establish overfilled launching conditions for the measurement of various fiber parameters, it is principally used in conjunction with FOTP30 or FOTP51 for measuring information-carrying capacity. Light launch conditions are established through the use of a mode scrambler. The mode scrambler is positioned between the light source and test fiber to produce a radiation distribution overfilling the test fiber core and numerical aperture, irrespective of the spatial radiation properties of the light source.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.6**
\$49.00

TIA/EIA-455-56-B

FOTP-56 - Test Method for Evaluating Fungus Resistance of Optical Fiber and Cable (ANSI/TIA/EIA-455-56-B-95) (R99)

The intent of this test procedure is to evaluate the adequacy of optical fibers and cables to retain their structural integrity and performance level under environmental conditions favorable for the development of fungal growth. These conditions are: high humidity, a warm atmosphere, and the presence of inorganic salts.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.6**
\$40.00

TIA/EIA-455-57-B

FOTP-57 - Preparation and Examination of Optical Fiber Endface for Testing Purposes (ANSI/TIA/EIA-455-57-B-96) (R2000)

The intent of this test procedure is to provide guidelines for acceptable optical fiber endface appearance and defines the techniques which are commonly employed to obtain such appearance. This procedure is intended to promote uniformity in fiber end preparation quality for testing and for optical signal transmission. This FOTP is not intended to require examination of every fiber end, nor is it intended to establish firm requirements (which are normally established by Detail Specifications), and is made available only to provide guidelines for various levels of end quality that may be called out in Detail Specifications or in other FOTPs. Lastly, the intent of this method shall not be confused with the intent of FOTP-179, which is concerned primarily with the comparison of relative results.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.6**
\$58.00

TIA-455-58-B

FOTP-58 - Core Diameter Measurement of Graded-Index Optical Fibers (ANSI/TIA-455-58-B-2001)

The intent of this test procedure is to give three methods for determining the core diameter of graded-index optical fibers having near-parabolic index profiles. At present, there are no recommendations as to preference among the three test methods. A desired method may emerge as practical experience accumulates. Note: FOTP-58 applies only to multimode, graded-index, glass core, glass clad fibers (fiber material class Ia, as listed in EIA-4920000-A)

Product Code 3 Mar, 2001 **COMMITTEE: FO-4.6**
\$49.00

TIA-455-59-A

FOTP-59 - Measurement of Fiber Point Defects Using an OTDR (ANSI/EIA/TIA-455-59-A-90) (R2000)

The intent of this test procedure is to describe the use of an optical time-domain reflectometer (OTDR) to measure the positions, losses, and character of point defects along an optical fiber or fiber cable. It is intended for quality control and acceptance testing. This procedure may not be necessary or appropriate for installation and maintenance purposes.

Product Code 3 Jan, 2000 **COMMITTEE: FO-4.6**
\$51.00

TIA-455-60-A

FOTP-60 - Measurement of Fiber or Cable Length Using an OTDR (ANSI/TIA-455-60-A-2000)

The intent of this test procedure is to describe the use of an optical time-domain reflectometer (OTDR) to measure the length of an optical fiber or fiber cable. It is intended for quality control and acceptance testing. The procedure may not be necessary or appropriate for installation and maintenance purposes.

Product Code 3 Jan, 2000 **COMMITTEE: FO-4.6**
\$51.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-61-A**FOTP-61 - Measurement of Fiber or Cable Attenuation (ANSI/TIA/EIA-455-61-A-2000)**

The intent of this test procedure is to describe the use of an optical time-domain reflectometer (OTDR) to indirectly measure the attenuation or the attenuation coefficient of a partial or full length of optical fiber or fiber cable

Product Code 3 Apr, 2000 **COMMITTEE: FO-4.6**
\$49.00

TIA-455-62-A**FOTP-62 - Measurement of Optical Fiber Macrobend Attenuation**

The intent of this test procedure is to describe procedures to determine the bending loss of uncabled graded-index multimode or single-mode fiber. The test can be used to compare the bend performance of different fibers at various wavelengths. Helps characterize fiber performance in bend configurations such as in fiber routing within equipment racks or bending of excess fiber within splice housings. May also indicate relative fiber performance affected by cabling curvature lays and in cable routings.

Product Code 3 Sept, 1992 **COMMITTEE: FO-4.6**
\$41.00

TIA/EIA-455-64**FOTP-64 - Procedure for Measuring Radiation-Induced Attenuation in Optical Fibers and Optical Cables (ANSI/TIA-455-64-97) (R2002)**

The intent of this test procedure is to outline methods for measuring both the steady state response of optical fibers and cables exposed to continuous radiation and the transient response of optical fibers and cables exposed to a pulse of radiation. It can be used to determine the level of radiation-induced attenuation produced in single-mode or multimode optical fibers, in either cabled or uncabled form. This test procedure is not intended to test the non-optical components of a fiber-optical cable. Other test methods may be required to evaluate the degradation of cable materials resulting from radiation exposure.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$64.00

TIA-455-67-A**FOTP-67 - IEC 60793-1-51 Optical Fibres - Part 1-51: Measurement Methods and Test Procedures - Dry Heat (ANSI/TIA-455-67-A-2003)**

The intent of this test procedure is to describe a method for the determination, in an accelerated manner, of the effects of temperature on the optical characteristics of optical fibers. It is intended to assess the ability of an optical fiber to withstand prolonged exposure to elevated temperature. The performance of the fiber during and after exposure may be evaluated by performing specific optical tests.

Product Code 3 Sept, 2003 **COMMITTEE: FO-4.6**
\$47.00

TIA/EIA-455-69-A**FOTP-69 - Test Procedure for Evaluating the Effect of Minimum and Maximum Exposure Temperature on the Optical Performance of Optical Fibers (ANSI/EIA/TIA-455-69-A-91) (R2000)**

The intent of this test procedure is to determine the ability of an optical fiber to maintain optical performance (attenuation and temperature dependence of attenuation) over an extended period of time after having been exposed to a specified range of high and low temperatures. This procedure is one of several FOTPs that, when selected on the basis of a proposed application, assist in establishing a particular specification for minimum and maximum use temperature. This procedure has been shown to be applicable to all-glass optical fibers.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.6**
\$49.00

TIA/EIA-455-71-A**FOTP-71 - Procedure to Measure Temperature-Shock Effects on Fiber Optic Components (ANSI/TIA/EIA-455-71-A-89)(R99)**

The intent of this test procedure is to define the exposure conditions for testing the resistance of fiber optic components to temperature shock. It also outlines the general approach used for measuring and evaluating the ability of a fiber optic component to withstand sudden changes in ambient temperature that could arise during shipment, storage, or use.

Product Code 3 Oct, 1999 **COMMITTEE: FO-4.6**
\$55.00

TIA/EIA-455-72**FOTP-72 - Procedure for Measuring Temperature and Humidity Cycling Aging Effects on Optical Characteristics of Optical Fibers (ANSI/TIA/EIA-455-72-97) (R2001)**

The intent of this test procedure is to describe a method for the determination, in an accelerated manner, of the effects of temperature and humidity cycling on the optical characteristics of optical fibers.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.6**
\$47.00

TIA/EIA-455-73**FOTP-73 - Procedure for Measuring Temperature and Humidity Cycling Aging Effects on Mechanical Characteristics of Optical Fibers. (ANSI/TIA/EIA-455-73-97) (R2001)**

The intent of this test procedure is to describe a method for the determination, in an accelerated manner, of the effects of temperature and humidity cycling on the mechanical characteristics of optical fibers.

Product Code 3 Nov, 2001 **COMMITTEE: FO-4.6**
\$47.00

TIA-455-74-A**FOTP-74 - IEC 60793-1-53 Optical Fibres - Part 1-53: Measurement Methods and Test Procedures - Water Immersion (ANSI/TIA-455-74-A-2003)**

The intent of this test procedure is to define the exposure conditions for testing the resistance of optical fibers to optical degradation when exposed solely to aqueous or non-aqueous liquid media

Product Code 3 Sept, 2003 **COMMITTEE: FO-4.6**
\$35.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-77

FOTP-77 - Procedures to Qualify a Higher-Order Mode Filter for Measurements on Single-Mode Fiber

The intent of this test procedure is to describe a method for the qualification of a higher-order mode filter to be used for making measurements on a single-mode fiber. This type of mode filter is required when effectively single-moded operations of short lengths of single-mode fiber is needed at wavelengths near the cutoff wavelength of the first higher-order mode (see also TIA-455-80). It is not meant to be used in the 800 nm region. Effectively single-moded operation is necessary when making a cutback measurements of spectral attenuation (see TIA/EIA-455-78); when making mode field diameter measurements (see EIA/TIA-455-164, TIA/EIA-455-167, or TIA/EIA-455-174); or whenever short lengths of fiber are used.

Product Code 3 Sept, 1991 **COMMITTEE: FO-4.6**
\$46.00

TIA-455-78-B

FOTP-78 - Spectral Attenuation Cutback Measurement for Single-Mode Optical Fibers (ANSI-TIA-455-78-B-2002)

The intent of this test procedure is to describe a procedure for measuring the spectral attenuation of single-mode optical fibers. The procedure is restricted to nonpolarization-sensitive fibers at wavelengths greater than or equal to that at which the fiber is effectively single-mode. The effective cutoff wavelength is determined by the high order mode filter (see 3.4). The effective cutoff determined by FOTP-77 may be a shorter wavelength than the fiber cutoff wavelength, ICF, determined by FOTP-80.

Product Code 3 Nov, 2002 **COMMITTEE: FO-4.6**
\$64.00

TIA-455-80-C

FOTP-80 - IEC 60793-1-44 Optical Fibres Part 1-44: Measurement Methods and Test Procedures - Cut-off Wavelength (ANSI/TIA-455-80-C-2003)

This document establishes uniform requirements for measuring the cut-off wavelength of single-mode optical fibre.

Product Code 3 June, 2003 **COMMITTEE: FO-4.6**
\$63.00

TIA/EIA-455-81-B

FOTP-81 - Compound Flow (Drip) Test for Filled Fiber Optic Cable (ANSI/TIA/EIA-455-81-B-91) (R2000)

The intent of this test procedure is to verify that filling and flooding compounds will not flow from a filled fiber optic cable at stated temperatures (for a similar test for other than fiber optic filled telecommunications cable, refer to Compound Flow Test of ASTM D 4565.) Note: Filling and flooding compounds minimize water penetration and assist in isolating fibers from outside environmental concerns.

Product Code 3 Jan, 2000 **COMMITTEE: FO-4.0**
\$47.00

TIA-455-82-B

FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable

The intent of this test procedure is to assure that a fluid-blocked fiber optic cable is filled and flooded (or otherwise appropriately fluid-blocked with, for example, super-adsorbents) sufficiently to restrict or otherwise prohibit the penetration and flow of water or other fluid within the core or along the cable sheath interfaces or both.

Product Code 3 Dec, 1992 **COMMITTEE: FO-4.0**
\$43.00

TIA-455-84-B

FOTP-84 - Jacket Self-Adhesion (Blocking) Test for Fiber Optic Cable

The intent of this test procedure is to investigate the ability of the jacket, insulation or other outer covering of fiber optic cable on a reel, drum, or spool, to withstand elevated temperature for prolonged periods of time without sticking to itself on adjacent turns or layers.

Product Code 3 Apr, 1998 **COMMITTEE: FO-4.7**
\$49.00

TIA/EIA-455-85-A

FOTP-85 - Fiber Optic Cable Twist Test (ANSI/TIA/EIA-455-85-A-92) (R99)

The intent of this test procedure is to establish the ability of a fiber optic cable (or fiber optic cable component, when appropriate) to mechanically withstand twisting.

Product Code 3 May, 1999 **COMMITTEE: FO-4.7**
\$48.00

TIA/EIA-455-86

FOTP-86 - Fiber Optic Cable Jacket Shrinkage (ANSI/TIA/EIA-455-86-83) (R90) (R99)

The intent of this test procedure is to describe a procedure for determining the linear dimensional changes in extruded plastic cable jackets at elevated temperatures.

Product Code 3 May, 1999 **COMMITTEE: FO-4.7**
\$38.00

TIA/EIA-455-87-B

FOTP-87 - Fiber Optic Cable Knot Test (ANSI/TIA/EIA-455-87-B-93) (R99)

The intent of this test procedure is to evaluate the effect of a severe bend in a fiber optic cable due to a knot using appropriate test procedures and parameters. Used to test any type of fiber optic cable.

Product Code 3 May, 1999 **COMMITTEE: FO-4.7**
\$45.00

TIA/EIA-455-88

FOTP-88 - Fiber Optic Cable Bend Test (ANSI/TIA/EIA-455-88-2001)

The intent of this test procedure is to determine the degree of cable degradation that will occur if the cable is statically bent around a corner of a given radius.

Product Code 3 June, 2001 **COMMITTEE: FO-4.7**
\$49.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-89-B

FOTP-89 - Optical Fiber Cable Jacket Elongation and Tensile Strength

The intent of this test procedure is to describe a method for determining the elongation and tensile strength of optical fiber cable jackets.

Product Code 3 Apr, 1998 **COMMITTEE: FO-4.7**
\$47.00

TIA-455-91

FOTP-91 - Fiber Optic Cable Twist-Bend Test

The intent of this test procedure is to describe a procedure for determining the ability of a fiber optic cable to withstand simultaneous bending and twisting

Product Code 3 June, 1996 **COMMITTEE: FO-4.7**
\$34.00

TIA/EIA-455-95-A

FOTP-95 - Absolute Optical Power Test for Optical Fibers and Cables (ANSI/TIA/EIA-455-95-A-2000)

The intent of this test procedure describes a method for determining the total optical power emanating from an optical fiber. This procedure may be used for, but is not limited to, measuring the attenuation of the fiber or cable, the loss of terminating devices or methods, the amount of optical power coupled into the fiber by a source, or the optical power at the system receiver.

Product Code 3 Mar, 2000 **COMMITTEE: FO-4.7**
\$47.00

TIA/EIA-455-98-A

FOTP-98 - Fiber Optic Cable External Freezing Test (ANSI/TIA/EIA-455-98-A-90) (R2000)

The intent of this test procedure is to simulate the effect of ice (Method A) or the crush force caused by ice (Method B) on Fiber Optic Cables. The primary purpose of this procedure is to measure any variation in optical power transmittance of a fiber optic cable when the cable is subjected to the potentially destructive forces of frozen water (ice) external to the cable jacket. A secondary purpose is to evaluate the possibility of physical damage that may occur as a result of such exposure.

Product Code 3 Oct, 2000 **COMMITTEE: FO-4.7**
\$49.00

TIA/EIA-455-100-A

FOTP-100 - Gas Leakage Test for Gas-Blocked Fiber Optic Cables (ANSI/TIA/EIA-455-100-A-89) (R99)

The intent of this test procedure is to describe a method for the determination of how well a cable opposes the migration of gas down the cable's length. The migration is forced by applying a gas pressure, of specified value, to one end of the sample.

Product Code 3 May, 1999 **COMMITTEE: FO-4.7**
\$34.00

TIA/EIA-455-104-A

FOTP-104 - Fiber Optic Cable Cyclic Flexing Test (ANSI/TIA/EIA-455-104-A-93)(R2000)

The intent of this test procedure is to determine the effects of repeated flexions on a fiber optic cable. Measures permanent and/or transient optical transmittance hangs and requires the assessment of any damage occurring to other cable components.

Product Code 3 July, 2000 **COMMITTEE: FO-4.0**
\$48.00

TIA/EIA-455-107-A

FOTP-107 - Determination of Component Reflectance or Link/System Return Loss Using a Loss Test Set (ANSI/TIA/EIA-455-107-A-99)

The intent of this test procedure is to determine the ratio of optical power reflected by a component or an assembly to the optical power incident upon a port of a component when that component or assembly is introduced into a link or system. This ratio is termed "Return Loss."

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.3**
\$58.00

TIA-455-111-A

FOTP-111 - IEC 60793-1-34 Optical Fibres - Part 1-34: Measurement Methods and Test Procedures - Fibre Curl (ANSI/TIA-455-111-A-2003)

This document establishes uniform requirements for the mechanical characteristic fibre curl or intent curvature, in uncoated optical fibres

Product Code 3 Nov, 2003 **COMMITTEE: FO-4.6**
\$50.00

TIA/EIA-455-113

FOTP-113 - Polarization-Mode Dispersion Measurement of Single-Mode Optical Fibers by the Fixed Analyzer Method (ANSI/TIA/EIA-455-113-96) (R2001)

The intent of this test procedure is to describe a test method for measuring the polarization-mode dispersion (PMD) of single-mode optical fibers.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.6**
\$70.00

TIA-455-115

FOTP-115 - Spectral Attenuation of Step-Index Multimode Optical Fibers (ANSI/TIA-455-115-96) (R2001)

The intent of this test procedure is to describe a method to measure the attenuation of step index fibers and defines a default launch condition. This method is used to determine the attenuation of step-index, glass core, glass clad and plastic clad optical fibers. The results obtained are useful for comparative and specification purposes.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.6**
\$45.00

TIA-455-122-A

FOTP-122 - Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Jones Matrix Eigenanalysis

The intent of this test procedure is to describe a procedure for measuring the polarization-mode dispersion (PMD) of single-mode optical fibers, applicable to both short and long fibers. PMD causes an optical pulse dispersion that can adversely affect the performance of a telecommunications system. This test method is useful for determining how much of an effect PMD has on a system.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$71.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-123

FOTP-123 - Measurement of Optical Fiber Ribbon Dimensions (ANSI/TIA/EIA-455-123-2000)

The intent of this test procedure is to provide methods to measure or verify key optical fiber ribbon dimensional parameters. These parameters may affect the ability to join or connectorize optical fiber ribbon due to either misalignment of optical fibers or dimensional compatibility of the ribbon structure with associated ribbon hardware and termination equipment such as ribbon holders, or chucks, used with mass fusion splicers, or mass mechanical splices and connectors.

Product Code 3 June, 2000 **COMMITTEE: FO-4.7**
\$55.00

TIA-455-124

FOTP-124 - Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Interferometry (ANSI/TIA-455-124-99)

The intent of this test procedure describes a procedure for measuring the average PMD of single-mode optical fibers and cable assemblies. It provides a single measurement value that represents the average PMD over the measurement wavelength range of the selected source in the 1210 nm and/or the 1550 nm region. The method can be applied to both short and long fibers.

Product Code 3 Mar, 1999 **COMMITTEE: FO-4.6**
\$55.00

TIA/EIA-455-126

FOTP-126 - Spectral Characterization of LEDs (ANSI/TIA/EIA-455-126-2000)

The intent of this test procedure is to measure the central wavelength, peak wavelength, and the spectral width (RMS and FWHM) of a semiconductor light-emitting diode (LED) using a dispersive spectrophotometric method (that is, using a revolving diffraction grating) or other suitable methods.

Product Code 3 Feb, 2000 **COMMITTEE: FO-4.7**
\$55.00

TIA-455-127

FOTP-127 - Spectral Characterization of Multimode Laser Diodes, Performance of Optical Fibers

The intent of this test procedure is to measure the central wavelength, peak wavelength, and the spectral width [Root Mean Square, Maximum Skew Tenth Maximum (10 dB down), and Full Width Half Maximum (3 dB down)] of a Multilongitudinal Mode semiconductor laser diode, using a dispersive spectrophotometric (using a revolving diffraction grating) method or other suitable methods.

Product Code 3 Nov, 1991 **COMMITTEE: FO-4.0**
\$47.00

TIA-455-128

FOTP-128 - Procedures for Determining Threshold Current of Semiconductor Lasers

The intent of this test procedure covers the measurement of the threshold current of semiconductor lasers either as a laser chip placed on a submount to facilitate handling or as an assembled package.

Product Code 3 July, 1996 **COMMITTEE: FO-4.0**
\$49.00

TIA-455-129

FOTP-129 - Procedures for Applying Human Body Model Electrostatic Discharge Stress to Package Optoelectronic Components

The intent of this test is to apply simulated electrostatic discharge (ESD) stress to packaged optoelectronic components for the purpose of measuring the degree of vulnerability of these components to static discharge that naturally occurs in the environment. Such components currently contain structures fabricated with state of the art manufacturing techniques in order to maximize the performance characteristics. The dimensions of these structures are comparable to those on the latest integrated circuit devices. As a result, packaged optoelectronic components have in some cases been found to be highly susceptible to long or short term degradation from ESD. ESD testing is normally utilized by the components industry for device qualification and is to be regarded as destructive.

Product Code 3 May, 1996 **COMMITTEE: FO-4.0**
\$55.00

TIA/EIA-455-130

FOTP-130 - Elevated Temperature Life Test for Laser Diodes (ANSI/TIA/EIA-455-130-2001)

The intent of this test procedure is intended to characterize the gradual degradation mode present in telecommunication laser diodes.

Product Code 3 Mar, 2001 **COMMITTEE: FO-4.4**
\$45.00

TIA/EIA-455-131

FOTP-131 - Measurement of Optical Fiber Ribbon Residual Twist (ANSI/TIA/EIA-455-131-97) (R2000)

The intent of this test procedure is to provide a method of measuring residual twist in optical fiber ribbons, and highlights critical aspects of this measurement. Optical fiber ribbon residual twist is a measure of how much a ribbon rotates, or twists, along a given length. Residual twist can result from the ribbon manufacturing process, or from changes in the dimensions of a ribbon due to heat and humidity aging.

Product Code 3 Oct, 2000 **COMMITTEE: FO-4.7**
\$49.00

TIA/EIA-455-132-A

FOTP-132 - Measurement of the Effective Area of Single-Mode Optical Fiber (ANSI/TIA/EIA-455-132-A-2001)

The intent of this test procedure is intended to document the methods for measuring the effective area (A_{eff}) of single-mode fiber.

Product Code 3 June, 2001 **COMMITTEE: FO-4.6**
\$74.00

TIA/EIA-455-133-A

FOTP-133 - Length Measurement of an Optical Fiber or Cable by the Phase-Shift Method

The intent of this test procedure describes a procedure for measuring the length of an optical fiber or cable. It may be applied to fiber lengths typically in the range of less than 1 m to several km for multimode fiber and to several hundreds of km for single-mode fiber.

Product Code 3 Nov, 1998 **COMMITTEE: FO-4.6**
\$55.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-134

FOTP-134 - Measurement of Connector Ferrule Hole Inside Diameter (ANSI/TIA-455-134-96) (R2002)

The intent of this test procedure is to determine the inside diameter of the ferrule hole in an optical fiber connector ferrule.

Product Code 3 Dec, 2002 **COMMITTEE: FO-4.3**

\$45.00

TIA-455-135

FOTP-135 - Measurement of Connector Ferrule Inside and Outside Diameter Circular Runout (ANSI/TIA-455-135-96) (R2002)

The intent of this test procedure is to determine the circular runout of the ferrule hole in the end of an optical fiber connector ferrule relative to the ferrule outer surface.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.3**

\$48.00

TIA/EIA-455-141

FOTP-141 - Twist Test for Optical Fiber Ribbons (ANSI/TIA/EIA-455-141-1999)

The intent of this test procedure is to determine an optical fiber ribbon's mechanical ability to withstand dynamic twisting.

Product Code 3 Sept, 1999 **COMMITTEE: FO-4.7**

\$49.00

TIA/EIA-455-157

FOTP-157 - Measurement of Polarization Dependent (PDL) of Single-mode Fiber Optic Components (ANSI/TIA/EIA-455-157-1995) (R2000)

The intent of this test procedure is to apply to any single-mode passive component, including connectors, splices, couplers, attenuators, isolators, and switches. It is used to measure the total range of insertion loss. (trianglea), due to changes in polarization of the launch state. This procedure can also be used to measure the polarization dependence of isolated ports. For branching devices, it can also be used to measure the total range of coupling ratio, (triangleCR9i). It cannot be used to measure the polarization dependence of return loss.

Product Code 3 July, 2000 **COMMITTEE: FO-4.3**

\$48.00

TIA/EIA-455-158

FOTP-158 - Measurement of Breakaway Frictional Force in Fiber Optic Connector Alignment Sleeves (ANSI/TIA/EIA-455-158-97) (R2001)

The intent of this test procedure is to describe measurement of the breakaway frictional force between the ferrule and the sleeve in fiber optic connectors. The contact force between the mating ferrules in an optical connector is the difference between the friction force between the ferrule and the sleeve, and the spring force of the connector. To maintain contact the friction force must remain below the spring force. The procedures have been selected to estimate the maximum breakaway frictional force that will exist between the ferrule and sleeve.

Product Code 3 Oct, 2001 **COMMITTEE: FO-4.3**

\$45.00

TIA-455-160-A

FOTP-160 - IEC 60793-1-50 Optical Fibres - Part 1-50: Measurement Methods and Test Procedures - Damp Heat (Steady State) (ANSI/TIA-455-160-A-2003)

The intent of this test procedure is to describe a method for the determination, in an accelerated manner, of the effects of temperature and humidity on the optical characteristics of optical fibers. It is intended to assess the ability of an optical fiber to withstand prolonged exposure to elevated temperature and humidity in the surrounding atmosphere. The performance of the fiber during and after exposure may be evaluated by performing specific optical tests.

Product Code 3 Sept, 2003 **COMMITTEE: FO-4.6**

\$35.00

TIA/EIA-455-162-A

FOTP-162 - Fiber Optic Cable Temperature-Humidity Cycling (ANSI/TIA/EIA-455-162-A-99)

The intent of this test procedure is to describe a method for evaluating materials and properties of fiber optic cables when they are subjected to the cyclic effects of temperature and humidity. This is an accelerated environmental test designed to expose the cable to controlled high humidity at elevated temperatures and to frozen moisture. The intent of this test method is to: A) detect changes in the transmission performance of the fibers and, B) detect damage to the cable materials and components such as cracks or blisters.

Product Code 3 July 1999 **COMMITTEE: FO-4.7**

\$49.00

TIA/EIA-455-168-A

FOTP-168 - Chromatic Dispersion Measurement of Multimode Graded-Index and Single-Mode Optical Fibers by Spectral Group Delay Measurement in the Time Domain (ANSI/TIA/EIA-455-168A-92) (R99)

The intent of this test procedure is to describe a procedure for determining the chromatic dispersion of EIA-4920000-A Class Ia and Ib multimode, and Class IVa and IVb single-mode, fibers and cables greater than 1 kilometer in length. The method employs multiple laser sources, or a wavelength-selectable laser, such as an Nd:YAG fiber Raman laser, and time-domain measurement techniques. It requires a fitting function appropriate for the test sample fiber type for the determination of dispersion.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.6**

\$40.00

TIA/EIA-455-169-A

FOTP-169 - Chromatic Dispersion Measurement of Single-Mode Optical Fibers by the Phase-Shift Method (ANSI/TIA/EIA-455-169A-92) (R99)

The intent of this test procedure is to determine the chromatic dispersion of Class IVa and Class IVb single-mode fibers over a specified wave-length range using the relative phase shifts among sinusoidally modulated optical sources of different wavelengths. Sources are typically laser diodes or filtered light emitting diodes.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.6**

\$47.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-171-A

FOTP-171 - Attenuation by Substitution Measurement for Short-Length Multimode Graded-Index and Single-Mode Optical Fiber Cable Assemblies (ANSI/TIA/EIA-455-171-A-2001)

The intent of this test procedure is to describe procedures for measuring the attenuation by substitution of short-length multimode graded-index and single-mode optical fiber cable assemblies. The cable assemblies have one or more fiber paths, with a connector on only one end with a pigtail on the other, or connectors on both ends of the cable that may be identical or different from each other. For multimode, the cables are usually less than 100 meters in length, but for single-mode, the length is unlimited. These tests are primarily evaluations of the connector loss since the fiber loss is usually only a small portion of the total loss. For those assemblies which are long enough for the fiber loss to be a significant portion of the total loss, the fiber loss will have to be taken into account when specifying limits for the measured loss.

Product Code 3 May, 2001 **COMMITTEE: FO-4.3**
\$74.00

TIA/EIA-455-172

FOTP-172 - Flame Resistance of Firewall Connector (ANSI/EIA-455-172-86) (R91) (R99)

The intent of this test procedure provides for a test to determine the ability of a cabled and mated connector (plug and receptacle) to resist firewall environments, such as flame or ignition of gasses. Optical operation is required for 5 minutes and physical integrity for 20 minutes.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.3**
\$34.00

TIA-455-175-A

FOTP-175 - Chromatic Dispersion Measurement of Single-Mode Optical Fibers by the Differential Phase-Shift Method

The intent of this test procedure is to measurement of chromatic dispersion of single-mode optical fibers over the 1.0 to 1.7 micrometer wavelength range. Determines the dispersion coefficient at a particular wavelength from the differential group delay between two closely-spaced wavelengths.

Product Code 3 Oct, 1992 **COMMITTEE: FO-4.6**
\$48.00

TIA-455-176-A

FOTP-176 - Method for Measuring Optical Fiber Cross-Sectional Geometry by Automated Grey-Scale Analysis (ANSI/TIA/EIA-455-176-93) (R99)

The intent of this test procedure is to measure all key parameters of optical fiber cross-sectional geometry, with the exception of core diameter. Designed primarily for high-volume throughput, such as that required for manufacturing control, with highly accurate and precise results. Accuracy and precision are better than obtainable by visually using a standard microscope.

Product Code 3 Feb, 1999 **COMMITTEE: FO-4.6**
\$62.00

TIA-455-177-B

FOTP-177 - IEC 60793-1-43 Optical Fibres - Part 1-43: Measurement Methods and Test Procedures - Numerical Aperture (ANSI/TIA-455-177-B-2003)

The intent of this test procedure is to describe procedures to determine the numerical aperture of near-parabolic profile, graded-index, glass core and glass clad optical fibers. Numerical aperture is determined from either the fiber far-field radiation pattern (Method A) or the fiber refractive index profile (Method B).

Product Code 3 Aug, 2003 **COMMITTEE: FO-4.6**
\$51.00

TIA-455-178-B

FOTP-178 - IEC 60793-1-32 Optical Fibres - Part 1-32: Measurement Methods and Test Procedures - Coating Stripability (ANSI/TIA-455-178-B-2003)

This document is intended primarily for testing either fibres as produced by a fibre manufacturer or subsequently overcoated (tight buffered) using various polymers

Product Code 3 Nov, 2003 **COMMITTEE: FO-4.6**
\$49.00

TIA-455-179

FOTP-179 - Inspection of Cleaved Fiber End Faces by Interferometry

The intent of this test procedure is to delineate one means of comparing cleaved optical fiber end faces with an ideal surface that is smooth, flat and perpendicular to the fiber axis. Comparative measurements of cleaved fiber end faces are useful in the qualitative analysis of cleaving tool performance but are not intended for assessing the potential suitability of a cleaved surface; the intent of this method shall not be confused with the intent of FOTP-57 (EIA-455-57), "Optical Fiber End Preparation and Examination", which is more concerned with the absolute results on particular fiber end(s) than with a comparison or relative results. The device used for this method of comparison is an incident-light interference device (Interferometer).

Product Code 3 Feb, 1988 **COMMITTEE: FO-4.9**
\$74.00

TIA/EIA-455-180-A

FOTP-180 - Measurement of the Optical Transfer Coefficients of a Passive Branching Device (Coupler) (ANSI/TIA/EIA-455-180-A-99)

The intent of this test procedure is to measure the pertinent coefficients of the logarithmic transfer matrix of a branching device in order to determine the ability of the device to carry out its design function.

Product Code 3 Nov, 1999 **COMMITTEE: FO-4.3**
\$60.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-181

FOTP-181 - Lightning Damage Susceptibility Test for Fiber Optic Cables with Metallic Components (ANSI/TIA/EIA-455-181-92) (R2001)

The intent of this test procedure is to determine a method for evaluating lightning currents from nearby strokes to earth, trees, or grounded structures that can arc to metallic members of a directly buried optical fiber cable. In high-resistivity soils, or where there is a conductive path (such as a tree root), a strike more than a hundred meters away from the cable can still arc to it. Serious damage to the cable can occur from the thermal and mechanical stresses produced by such events.

The intent of this test procedure is to provide a method for electrical-impulse testing of fiber optic cable using specified current waveforms and peak-current levels. The purpose of the method is to simulate the effects of the lightning arc at the point where it attaches to the cable and to establish the relative susceptibility of fiber optic cables to damage from such arcing.

Product Code 3 July, 2001 COMMITTEE: FO-4.7
\$45.00

TIA/EIA-455-183

FOTP-183 - Hydrogen Effects on Optical Fiber Cable (ANSI/TIA/EIA-455-183-2000)

The intent of this test procedure is to provide a type test which characterizes the effect on fiber attenuation due to hydrogen generated by the cable components only. The data must be used cautiously since such data does not account for potential generation of hydrogen from other sources in the installed environment.

Product Code 3 July, 2000 COMMITTEE: FO-4.7
\$55.00

TIA/EIA-455-184

FOTP-184 - Coupling Proof Overload Test for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-184-91) (R95) (R99)

The intent of this test procedure is to apply an overload torque to twist-type coupling mechanisms. The procedure is applicable to threaded or bayonet twist-type coupling mechanisms. The purpose of the procedure is to establish a safety factor or minimum level of reliability for the overload torque capabilities of twist-type and threaded coupling mechanisms.

Product Code 3 Oct, 1999 COMMITTEE: FO-4.3
\$43.00

TIA/EIA-455-185

FOTP-185 - Strength of Coupling Mechanism for Fiber Optic Interconnecting Devices (ANSI/TIA/EIA-455-185-91) (R95) (R99)

The intent of this test procedure is to assure that the coupling mechanism of a connector set or connector-device combination will withstand the axial loads likely to be applied during normal service.

Product Code 3 Oct, 1999 COMMITTEE: FO-4.3
\$43.00

TIA/EIA-455-186

FOTP-186 - Gauge Retention Force Measurement for Fiber Optic Components (ANSI/TIA/EIA-455-186-91) (R99)

The intent of this test procedure is used to measure the retention characteristics of the resilient member of a fiber optic component (most commonly a connector). It is specifically intended for use when it is impracticable to define acceptance/rejection criteria for resilient members by the use of size dimensions. This method is applicable to either male or female resilient members. For the case of a male member, a ring gauge is forced over the member and the minimum frictional force to pull it off is assessed by its ability to pick up a weight. This procedure is identical for a female resilient member except that a gauge pin is substituted for the ring gauge.

Product Code 3 Feb, 1999 COMMITTEE: FO-4.3
\$40.00

TIA/EIA-455-187

FOTP-187 - Engagement and Separation Force Measurement of Fiber Optic Connector Sets (ANSI/TIA/EIA-455-187-91) (R99)

The intent of this test procedure is to measure the forces or torques that are required to fully couple or uncouple a connector set. The connector set components are held in a fixture so that a controlled coupling force or torque can be applied. The force or torque is measured during the entire coupling and/or uncoupling cycle. The procedure is applicable to either twist type or push-pull type coupling mechanisms.

Product Code 3 Feb, 1999 COMMITTEE: FO-4.3
\$40.00

TIA/EIA-455-188

FOTP-188 - Low-Temperature Testing of Fiber Optic Components (ANSI/TIA/EIA-455-188-92) (R2001)

The intent of this test procedure is to expose a specimen to the environmental condition of extended low temperature (cold). It is not intended for exposing a specimen to the environmental condition of high temperature or of temperature variation. When high temperature is of interest, use FOTP-4. When temperature variations are of interest, use FOTP-3.

Product Code 3 Dec, 2001 COMMITTEE: FO-4.3
\$41.00

TIA-455-189

FOTP-189 - Ozone Exposure Test for Fiber Optic Components (R2003)

The intent of this test procedure is to determine the ability of fiber optic components to withstand the effects of controlled amounts of ozone. Although intended primarily for the evaluation of parts such as interconnecting devices, the method may be applied to other components when applicable and when required by a Detail Specification.

Product Code 3 Mar, 2003 COMMITTEE: FO-4.3
\$41.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-190

FOTP-190 - Low Air Pressure (High Altitude) Testing of Fiber Optic Components (r2003)

The intent of this test procedure is to provide a means of evaluating the effects of low barometric pressure (high altitude) on fiber optic components. Although intended primarily for the evaluation of devices such as interconnecting devices, the method may be applied to other components when applicable and when required by a Detail Specification.

Product Code 3 Mar, 2003 **COMMITTEE: FO-4.3**

\$43.00

TIA-455-191-B

FOTP-191 - IEC 60793-1-45 Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (ANSI/TIA-455-191-B-2003)

This document establishes uniform requirements for measuring the mode field diameter (MFD) of optical fibre

Product Code 3 Nov, 2003 **COMMITTEE: FO-4.6**

\$67.00

TIA/EIA-455-192

FOTP-192 - H-Parameter Test Method for Polarization-Maintaining Optical Fiber (ANSI/TIA/EIA-455-192-99)

The intent of this test procedure is to specify a method of measuring the h-parameter of single-mode, highly linearly birefringent optical fiber (commonly called polarization-maintaining fibers).

Product Code 3 May, 1999 **COMMITTEE: FO-4.0**

\$50.00

TIA/EIA-455-193

FOTP-193 - Polarization Crosstalk Method for Polarization-Maintaining Optical Fiber and Components (ANSI/TIA/EIA-455-193-99)

The intent of this test procedure is to specify a method of measuring the polarization crosstalk of single-mode, highly linearly birefringent (commonly called polarization-maintaining or PM) optical fiber and components. This standard is applicable to fibers and components having connectors attached to one or both ends, and to two or more.

Product Code 3 May, 1999 **COMMITTEE: FO-4.0**

\$51.00

TIA/EIA-455-194

FOTP-194 - Measurement of Fiber Pushback in Optical Connectors (ANSI/TIA/EIA-455-194-99)

The intent of this test procedure is to determine the ability of an adhesive to adequately lock the optical fiber into a stable, fixed position in an optical connector when the connector is mated under load. The test may be used to measure fiber pushback under simulated loading conditions, or to compare the performance of different adhesive formulations and/or connector assembly procedures.

Product Code 3 Dec, 1999 **COMMITTEE: FO-4.3**

\$51.00

TIA-455-195-A

FOTP-195 - IEC 60793-1-21 Optical Fibres - Part 1-21: Measurement Methods and Test Procedures - Coating Geometry (ANSI/TIA-455-195-A-2003)

This document establishes uniform requirements for measuring the coating geometry of optical fibre

Product Code 3 Nov, 2003 **COMMITTEE: FO-4.6**

\$51.00

TIA/EIA-455-196

FOTP-196 - Guideline for Polarization-Mode Measurement in Single-Mode Fiber Optic Components and Devices (ANSI/TIA/EIA-455-196-99)

The intent of this test procedure is to describe the measurement of Polarization-mode Dispersion (PMD) and Differential Group Delay (DGD) in fiber optic devices or components.

Product Code 3 Nov, 1999 **COMMITTEE: FO-4.3**

\$55.00

TIA/EIA-455-197

FOTP-197 - Differential Group Delay Measurement of Single-mode Components and Devices by the Differential Phase Shift Method (ANSI/TIA/EIA-455-197-2000)

The intent of this test procedure is to describe the measurement of polarization-sensitive Differential Group delay (DGD) of one or two port single-mode fiber components over the 1.0 to 1.7 micrometer wavelength range.

Product Code 3 June, 2000 **COMMITTEE: FO-4.3**

\$62.00

TIA-455-198

FOTP-198 - Measurement of Polarization Dependence of Insertion Loss of Single-Mode Fiberoptic Components by the Mueller Matrix Method

The intent of this test is to determine the sensitivity of single-mode fiberoptic components to changes in polarization using a method based on the Mueller matrix formalism.

Product Code 3 Dec, 2002 **COMMITTEE: FO-4.3**

\$55.00

TIA-455-199

FOTP-199 - In-Line Polarization Crosstalk Measurement Method for Polarization-Maintaining Optical Fibers, Components, and Systems

The intent of this test is to specify an in-line method for measuring the accumulated polarization crosstalk at a particular physical location along a span of polarization-maintaining(PM) fiber

Product Code 3 Dec, 2002 **COMMITTEE: FO-4.3**

\$60.00

TIA/EIA-455-200

FOTP-200 - Insertion Loss of Connectorized Polarization-Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies (ANSI/TIA/EIA-455-200-2001)

The intent of this test procedure is to specify a procedure for the measurement of the insertion loss of a fiber optic interconnection on single mode, highly linearly birefringent optical fiber, i.e., either polarization-maintaining fiber (PMF) or polarizing fiber (PZF).

Product Code 3 Sept, 2001 **COMMITTEE: FO-4.0**

\$58.00

TIA/EIA-455-201

FOTP-201 - Return Loss of Commercial Polarization - Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies

The intent of this test procedure is to specify a procedure for the measurement of the return loss of a fiber optic interconnection on single-mode, highly linear birefringent optical fiber, either polarization-maintaining (PM) fiber or polarizing (PZ) fiber.

Product Code 3 Aug, 2001 **COMMITTEE: FO-4.0**

\$55.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA/EIA-455-203

FOTP-203 - Launched Power Distribution Measurement Procedure for Graded-Index Multimode Fiber Transmitters (ANSI/TIA/EIA-455-203-2001)

The intent of this test procedure is to set a standard procedure for the collection of two-dimensional fiber optic nearfield grayscale data and subsequent reduction to one-dimensional data expressed as a set of three sampled parametric functions of radius from the fiber's optical center.

Product Code 3 June, 2001 **COMMITTEE: FO-4.4**
\$64.00

TIA/EIA-455-204

FOTP-204 - Measurement of Bandwidth on Multimode Fiber (ANSI/TIA/EIA-455-204-2000)

The intent of this test procedure is to describe two methods for determining and measuring the information transmission capacity of TIA/EIA-4920000-B Class I (glass-core) multi-mode optical fibers.

Product Code 3 Dec, 2000 **COMMITTEE: FO-4.6**
\$64.00

TIA/EIA-455-206

FOTP-206 - IEC 61290-1-1 Optical Fibre Amplifiers - Basic Specification Part 1-1: Test Methods for Gain Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-206-2000)

The intent of this test procedure is to establish uniform requirements for accurate and reliable measurements, by means of the optical spectrum analyzer test method

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$49.00

TIA/EIA-455-207

FOTP-207 - IEC 61290-1-2 Optical Fibre Amplifiers - Basic Specification Part 102: Test Methods for Gain Parameters - Electrical Spectrum Analyzer (ANSI/TIA/EIA-455-207-2000)

The intent of this test procedure is to establish uniform requirements for accurate and reliable measurements, by means of the electrical spectrum analyzer test method.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$55.00

TIA/EIA-455-208

FOTP-208 - IEC 61290-1-3 Optical Fibre Amplifiers - Basic Specification Part 1-3: Test Methods for Gain Parameters - Optical Power Meter (ANSI/TIA/EIA-455-208-2000)

The intent of this test procedure is to establish uniform requirements for accurate and reliable measurements, by means of the optical power meter test method.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$49.00

TIA/EIA-455-209

FOTP-209 - IEC 61290-2-1 Optical Fibre Amplifiers - Basic Specification Part 2-1: Test Methods for Optical Power Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-209-2000)

The intent of this test procedure is to establish optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$47.00

TIA/EIA-455-210

FOTP-210 - IEC 61290-2-2 Optical Fibre Amplifiers - Basic Specification Part 2-2: Test Methods for Optical Power Parameters - Electrical Spectrum Analyzer (ANSI/TIA/EIA-455-210-2000)

The intent of this test procedure is to establish uniform requirements for accurate and reliable measurements, by means of the electrical spectrum analyzer test method.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$48.00

TIA/EIA-455-211

FOTP-211 - IEC 61290-2-3 Optical Fibre Amplifiers - Basic Specification Part 2-3: Test Methods for Optical Power Parameters - Optical Power Meter (ANSI/TIA/EIA-455-211-2000)

The intent of this test procedure is to establish uniform requirements for accurate and reliable measurements, by means of the optical power meter test method.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$48.00

TIA/EIA-455-212

FOTP-212 - IEC 61290-6-1 Optical Fibre Amplifiers - Basic Specification Part 6-1: Test methods for Pump Leakage Parameters - Optical Demultiplexer (ANSI/TIA/EIA-455-212-2000)

The intent of this test procedure is to describe a standard that applies to optical fibre amplifiers (OFAs) using active fibres, containing rare earth dopants, presently commercially available.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$48.00

TIA/EIA-455-213

FOTP-213 - IEC 61290-7-1: Optical Fibre Amplifiers - Basic Specification Part 7-1: Test Methods for Out-of-Band Insertion Losses - Filtered Optical Power Meter (ANSI/TIA/EIA-455-213-2000)

The intent of this test procedure is to define applications to the optical fibre amplifiers (OFAs) using active fibres, containing rare earth dopants, presently commercially available.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$47.00

TIA/EIA-455-214

FOTP-214 - IEC 61290-1 Optical Fibre Amplifiers - Part 1: Generic Specification (ANSI/TIA/EIA-455-214-2000)

The intent of this test procedure applies to optical fibre amplifiers (OFAs) and optically amplified, elementary subsystems. It applies only to OFAs using active Fibres, containing rare earth dopants, presently commercially available.

Product Code 3 Sept, 2000 **COMMITTEE: FO-4.1**
\$60.00

TIA-455-218

FOTP-218 - Measurement of Endface Geometry of Single Fiber Optical Connectors

The intent of this test procedure is to measure the physical parameters of the endface of a single fiber optical connector to assure its ability to provide acceptable optical performance for long-term use

Product Code 3 June, 2002 **COMMITTEE: FO-4.3**
\$49.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-219

FOTP-219 - Multifiber Ferrule Endface Geometry Measurement (ANSI/TIA-455-219-2002)

This document defines a test procedure to assess endface geometry inguide-pin based multifiber ferrules

Product Code 3 Dec, 2002 **COMMITTEE: FO-4.3**
\$55.00

TIA-455-220-A

FOTP-220 - Differential Mode Delay Measurement of Multimode Fiber in the Time Domain (r2003)

The intent of this test procedure is to describe a method for characterizing the modal structure of a graded index multimode fiber.

Product Code 3 Jan, 2003 **COMMITTEE: FO-4.6**
\$62.00

TIA/EIA-455-221

FOTP-221 - IEC61290-5-1 - Optical Fibre Amplifiers - Basic Specification - Part 5-1: Test Method for Reflectance Parameters - Optical Spectrum Analyzer (ANSI/TIA/EIA-455-221-2001)

This International Standard applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical spectrum analyzer test method, of the following OFA parameters: a) maximum input reflectance; b) minimum input reflectance; c) output reflectance.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.5**
\$48.00

TIA/EIA-455-222

FOTP-222 - IEC61290-3 - Optical Fibre Amplifiers - Basic Specification - Part 3: Test Methods for Noise Figure Parameters (ANSI/TIA/EIA-455-222-2001)

The intent of this test procedure is to provide the general background for OFA noise figure parameters measurements and to indicate those IEC standard test methods for accurate and reliable measurements of the following OFA parameters: a) noise figure (NF); b) noise factor (F); c) multiple path interference (MPI) figure of merit; d) signal-spontaneous noise figure; e) (equivalent) spontaneous-spontaneous optical bandwidth (Bsp-sp); f) forward amplified spontaneous emission (ASE) power level; g) reverse ASE power level; h) ASE bandwidth.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.5**
\$48.00

TIA/EIA-455-223

FOTP-223 - IEC61291-2 - Optical Fibre Amplifiers - Part 2: Digital Applications - Performance Specification Template (ANSI/TIA/EIA-455-223-2001)

The intent of this test procedure is to determine performance specification template applies to optical fibre amplifier (OFA) devices and subsystems to be used in digital applications. The object of this performance specification template is to provide a frame for the preparation of detail specifications on the performance of OFA devices and subsystems to be used in digital applications.

Product Code 3 Dec, 2001 **COMMITTEE: FO-4.5**
\$48.00

TIA/EIA-455-224

FOTP-224 - IEC 61744 - Calibration of Fibre Optic Chromatic Dispersion Test Sets (ANSI/TIA/EIA-455-224-2002)

This international standard provides standard procedures for the calibration of optical fibre chromatic dispersion (CD) test sets.

Product Code 3 May, 2002 **COMMITTEE: FO-4.9**
\$74.00

TIA/EIA-455-225

FOTP-225 - IEC 61745 - End Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (ANSI/TIA/EIA-455-225-2002)

This international standard address the calibration of measurements made on single-mode fibres only.

Product Code 3 May, 2002 **COMMITTEE: FO-4.9**
\$71.00

TIA/EIA-455-226

FOTP-226 - IEC 61746 - Calibration of Optical Tim-Domain Reflectometers (OTDR's)(ANSI/TIA/EIA-455-226-2002)

This international standard provides procedures for calibrating single-mode optical time domain reflectometers (OTDRs).

Product Code 3 May, 2002 **COMMITTEE: FO-4.9**
\$95.00

TIA/EIA-455-227

FOTP-227 - IEC 61300-3-24 Fibre Optic Interconnecting Devices & Passive Components-Basic Test & Measurement Procedures-Part 3-24: Exams & Measurements-Keying Accuracy of Optical Connectors for Polarization Maintaining Fibre (ANSI/TIA/EIA-455-227-2002)

This international standard measures the keying accuracy of a polarization maintaining fibre connector.

Product Code 3 May, 2002 **COMMITTEE: FO-4.0**
\$45.00

TIA-455-228

FOTP-228 - Relative Group Delay and Chromatic Dispersion Measurement of Single-Mode Components and Devices by the Phase Shift Method (ANSI/TIA/EIA-455-228-2002)

The intent of this test procedure is to describe the measurement of Relative Group Delay (RGD) and chromatic dispersion (cd) of one or two port single-mode fiber components over the 1.0 to 1.7 micrometer wavelength range. In this procedure, a modulated light source at a given wavelength is coupled into the component under test, and the phase shift of the modulated signal exiting the fiber at that wavelength is recorded with respect to the original modulation signal.

Product Code 3 Feb, 2002 **COMMITTEE: FO-4.3**
\$76.00

TIA-455-229

FOTP-229 - Optical Power Handling and Damage Threshold Characterization (ANSI/TIA-455-229-2002)

This document characterizes the robustness of a fiber optic passive component or interconnecting device against damage from exposure to optical power

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.3**
\$58.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TIA-455-231

FOTP-231 - IEC 60315 - Calibration of Fibre Optic Power Meters (ANSI/TIA-455-231-2003)

This document standardizes all of the steps involved in the calibration process: establishing the reference conditions, carrying out the calibration, calculating the uncertainty, and reporting the uncertainty, the reference conditions, and the traceability.

Product Code 3 Dec, 2003 **COMMITTEE: FO-4.9**
\$77.00

TIA-455-234

FOTP-234 - IEC 60793-1-52 Optical Fibres - Part 1-52: Measurement Methods and Test Procedures - Change of Temperature (ANSI/TIA-455-234-2003)

This document defines a test that determines the suitability of optical fibres to withstand the environmental condition of changes in temperature which may occur in actual use, storage and/or transport

Product Code 3 Sept, 2003 **COMMITTEE: FO-4.6**
\$35.00

TIA-455-235

FOTP-235 - IEC 61280-2-8 Fibre Optic Communication Subsystem Test Procedures - Digital Systems Part 2-8: Determination of Low BER Q-Factor Measurements (ANSI/TIA-455-235-2004)

This document specifies two main methods for the determination of low BER values by making accelerated measurements.

Product Code 3 Feb, 2004 **COMMITTEE: FO-4.1**
\$67.00

TIA-455-236

FOTP-236 - IEC 61280-2-9 Fibre Optic Communication Subsystem Test Procedures - Digital Systems - Dense Wave-Length Multiplexed Systems (ANSI/TIA-455-236-2004)

This document provides a parameter definition and a test method for obtaining optical signal-to-noise ratio (OSNR).

Product Code 3 Feb, 2004 **COMMITTEE: FO-4.1**
\$58.00

TSB-62

Informative Test Methods (ITMs) for Fiber-Optic Fibers, Cables, Opto-Electronic Sources and Detectors, Sensors, Connecting and Terminating Devices, and Other Fiber-Optic Components (r2002)

This Informative Test Method (ITM) together with its addenda, provides uniform test methods for testing the fiber optic components intended for, or forming a part of, optical communications and data transmission systems.

This document is an "umbrella" for only those (informative) test methods that apply to non-specifiable parameters. For specifiable parameters, which require standard test procedures, refer to the series under the umbrella of TIA/EIA-455-A.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.0**
\$49.00

TSB-62-1

ITM-1 - Characterization of Large Flaws in Optical Fibers by Dynamic Tensile Testing with Sensing (r2002)

This Informative Test Method (ITM) describes a method for characterizing the lower portion of the distribution of dynamic tensile failure stresses of a population of glass optical fiber. The result is a probability curve that can be used as a guide in reliability design. The curve can also be used to validate assumptions relative to the proof test and other fiber handling procedures.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$62.00

TSB-62-3

ITM-3 - Mode Power Distribution and Mode Transfer Function Measurement (r2002)

This Informative Test Method (ITM) describes a method for allowing the quantitative determination of the hydrogen generated from optical fiber coatings as a result of heating for 96 hours at 100 degrees C. It is limited to use with 250 nm coated fiber and buffered fiber. Fiber coatings are not the only hydrogen source in an optical cable and account for a small percentage of the total amount of hydrogen evolved by all of the components typically present in an optical cable. This test could be modified to apply to other organic materials.

This method subjects coated optical fiber to accelerated aging at an elevated temperature and may subject some coatings to thermal oxidative degradation which may cause an increased generation of hydrogen.

Product Code 3 Aug, 2002 **COMMITTEE: FO-4.6**
\$49.00

TSB-62-5

ITM-5 - Characterization of Attenuation Uniformity of Optical Fiber (r2001)

This Informative Test Method (ITM) extends the use of OTDRs to quantitatively characterize the uniformity of the attenuation coefficient of optical fibers (See 455-59, 455-60, 455-61).

Several methods are defined in the document. Each has particular utility under certain circumstances but none can be considered as universally optimal. The choice of a particular method will depend on details of the agreement between the buyer and seller.

Product Code 3 June, 2001 **COMMITTEE: FO-4.6**
\$62.00

TSB-62-7

ITM-7 - Characterization of Fiber Strip Damage by Dynamic Tensile Testing

This document characterizes the tensile strength of stripped optical fiber. The results of this test provide an indication of the mechanical damage that is attributable to the stripping operation.

Product Code 3 Apr, 2000 **COMMITTEE: FO-4.6**
\$49.00

TSB-62-10

ITM-10 - Procedure for Applying Loads Directly to the Fiber in Optical Connectors or Fiber/Ferrule Assemblies

The Informative Test Method (ITM) determines the ability of an adhesive to adequately lock the optical fiber into a stable, fixed position in an optical connector when the connector is mated under load.

Product Code 3 Dec, 1999 **COMMITTEE: FO-4.3**
\$50.00

FIBER OPTICS, TEST PROCEDURES (FOTPs) (cont.)

TSB-62-12

ITM-12 - Microbend Sensitivity Test Methods

This Informative Test Method (ITM) is intended to characterize the microbend sensitivity of optical fibers, thereby guiding fiber and cable manufacturers regarding the design of various coatings and basic fibers as they apply to the design and performance of cable

Product Code 3 Oct, 2001 **COMMITTEE: FO-4.6**
\$55.00

TSB-62-13

ITM-13 - Measuring Dynamic Strength and Fatigue Parameters of Optical Fibers by Two-Point Bending

This Informative Test Method (ITM) provides a method for measuring the strength and dynamic fatigue of optical fiber in two-point bending in a specified environment

Product Code 3 May, 2000 **COMMITTEE: FO-4.3**
\$55.00

TSB-62-20

ITM-20 - Enhanced Bandwidth Performance over Laser-based, Multi-mode Fiber Local Area Networks

This document describes and gives background information for the laser source and fiber selection criteria required to achieve enhanced bandwidth performance over local area networks (LANS)

Product Code 3 Feb, 2001 **COMMITTEE: FO-4.2**
\$62.00

TSB-62-22

ITM-22 - Continuous Wave Method for Measuring the Raman Gain Efficiency of Single-mode Fibers

This Informative Test Method (ITM) describes a continuous wave method for measuring the Raman gain efficiency of a single-mode transmission optical fiber

Product Code 3 July, 2001 **COMMITTEE: FO-4.6**
\$49.00

TSB-62-23

IMT-23 - Measurement of the Nonlinear Coefficient of Single-Mode Fibers

This Informative Test Method (ITM) describes two methods for uniform measurement of the nonlinear coefficient of single-mode fibers in the 1550 nm region

Product Code 3 Sept, 2001 **COMMITTEE: FO-4.6**
\$60.00

TSB-63

Reference Guide for Fiber Optic Test Procedures

This document assists the users of TIA/EIA Fiber Optic Test Procedures (FOTPs) to identify appropriate test procedure references in the most expeditious manner. It also serves to identify the publication status of the various documents as of the publication date of TSB63.

Product Code 3 Aug, 1993 **COMMITTEE: FO-4.0**
\$156.00

WAVEGUIDES, SPECIFICATIONS

TIA-4920000-A

Generic Specification for Optical Waveguide Fibers (ANSI/TIA-4920000-B-97) (R2002)

This Specification was formulated for the purpose of providing a document setting forth engineering and use requirements for optimum use in optical waveguide fibers. Utilization of this document is intended to eliminate misunderstandings or confusion between the supplier and user with respect to product performance requirements and test procedures.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$79.00

TIA-492A000-A

Sectional Specification for Class Ia Multimode, Graded-Index Optical Waveguide Fibers (ANSI/TIA-492A000-A-97) (R2002)

This document is to assist those who prepare Detail Specifications using this document and other applicable Specifications. This is carried out, in part, by prescribing preferred ratings and characteristics, and in selecting from TIA/EIA-4920000-A the appropriate Quality Assessment procedures, tests, and measurement methods.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$49.00

TIA-492AA00-A

Blank Detail Specification for Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AA00-A-97) (R2002)

This Specification forms a part of a set of TIA/EIA standards that systematically specifies performance requirements for optical fiber. This hierarchical specification system comprises four tiers: generic specifications, sectional specifications, blank detail specifications, and detail specifications. This Specification applies to Class Ia grade-index multimode optical fibers.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$71.00

TIA-492AAAA-A

Detail Specification for 62.5-um Core Diameter/125-um Cladding Diameter Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AAAA-A-97) (R2002)

This specification enables end users and manufacturers of fiber-optic cable to specify one of the choices of multimode optical fiber contained in the cable. This Specification, in conjunction with Generic Specification TIA/EIA-4920000-B and Sectional Specification TIA/EIA-492A000-A, follow the specification structure of the National Electronic Components Quality Assessment System (NECQ). This Detail Specification applies to Class Ia, graded-index, 62.5/125 multimode optical fiber used as a component in the manufacture of fiber-optic cable used in buildings. Applications include, but are not restricted to, the following: on-premises intrabuilding and interbuilding fiber installations, including LANS, PBXs, video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related uses.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$62.00

FIBER OPTICS, WAVEGUIDES, SPECIFICATIONS (cont.)

TIA-492AAAB***Detail Specification for 50-um Core Diameter/125-um Cladding Diameter Class Ia Graded-Index Multimode Optical Fibers (ANSI/TIA-492AAAB-98) (R2002)***

This Specification enables end users and manufacturers of fiber-optic cable to specify one of the choices of multimode optical fiber contained in the cable. This Specification, in conjunction with Generic Specification TIA/EIA-4920000-B and Sectional Specification TIA/EIA-492000-A, follow the specification structure of the National Electronic Components Quality Assessment System (NECQ).

This Detail Specification applies to class Ia, graded – index, 50/125 um multimode optical fiber used as a component in the manufacture of fiber-optic cable used in buildings.

Applications include, but are not restricted to, the following: telephony, distribution and local networks, carrying data, voice and/or video services and on-premises intrabuilding and interbuilding fiber installations, including LANs, PBX's, video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related issues.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$60.00

TIA-492AAAC-A***Detail Specification for 850-nm Laser-Optimized, 50-um core diameter/125-um cladding diameter class Ia graded-index multimode optical fibers (R2003)***

This specification enables end users and manufacturers of fiber-optic cable to specify a high bandwidth optical fiber optimized for enhanced performance at 850 nm.

Product Code 3 Jan, 2003 **COMMITTEE: FO-4.6**
\$64.00

TIA-492C000***Sectional Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers (ANSI/TIA-492C000-97) (R2002)***

This specification forms a part of a set of TIA standards that systematically specifies performance requirements for optical fiber. This hierarchical specification system comprises four tiers: generic specifications, sectional specifications, blank detail specifications, and detail specifications. This specification applies to Class IVa dispersion-unshifted single-mode optical fibers with glass core and cladding. The requirements of product, testing, and specification documents are defined so that one can prepare a detail specification.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$55.00

TIA-492CA00***Blank Detail Specification for Class IVa Dispersion-Unshielded Single Mode Optical Fibers (ANSI/TIA-492CA00-97) (R2002)***

This Specification pertains specifically to Class IVa dispersion-unshifted single-mode optical fiber. This Specification is a supplementary document to Sectional Specification TIA/EIA-492C000 and contains requirements for style, layout, and minimum content of a Detail Specification written for Class IVa fibers.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$71.00

TIA-492CAA***Detail Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers (ANSI/TIA-492CAA-98) (R2002)***

This specification enables end users and manufacturers of fiber-optic cable to specify the choice of single-mode optical fiber contained in the cable.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$60.00

TIA-492CAAB***Detail Specification for Class IVa Dispersion-Unshifted Single-Mode Optical Fibers with Low Water Peak (ANSI/TIA/EIA-492CAAB-2000)***

This Detail Specification applies to Class Iva dispersion-unshifted single-mode optical fiber that has low attenuation at wavelengths near the water peak (typically near 1383 nm).

Product Code 3 Aug, 2000 **COMMITTEE: FO-4.6**
\$60.00

TIA-492E000***Sectional Specification for Class IVd Nonzero-Dispersion Single-Mode Optical Fibers for the 1550 nm Window (ANSI/TIA-492E000-96) (R2002)***

This specification was formulated for the purpose of providing a document setting forth engineering and use requirements as necessary for purpose of Class IVd nonzero-dispersion single-mode optical fibers for the 1550 nm window. Use of this document is intended to eliminate misunderstandings or confusion between the supplier and user with respect to product performance requirements and test procedures.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$55.00

TIA-492EA00***Blank Detail Specification for Class IVd Nonzero-Dispersion Single-Mode Optical Fiber for the 1550 nm Window (ANSI/TIA-492EA00-96) (R2002)***

This specification is a supplementary document to sectional specification TIA/EIA-492E000 and contains requirements for style, layout and minimum content of detail specifications written for Class IVd fibers.

Product Code 3 Oct, 2002 **COMMITTEE: FO-4.6**
\$66.00

FIBER OPTICS SYSTEM DESIGN**CHROMATIC DISPERSION****TIA/TR-1028*****IEC 61280-7: Fibre Optic Communication System Design Guides - Part 7: Statistical Calculation for Chromatic Dispersion (ANSI/TIA/TR-1028-2004)***

This document provides methods of representing the process statistics of the chromatic dispersion of optical fibres and related components that may be combined in a link

Product Code 3 Feb, 2004 **COMMITTEE: FO-4.1**
\$58.00

FIBER OPTICS SYSTEM DESIGN (cont.)

DISPERSION

TIA/TR-1026

TR-61282-5 Fiber Optic Communication System Design Guides - Part 5: Accommodation and Compensation of Dispersion (ANSI/TIA-TR-1026-2004)

This document applies to the accommodation and compensation of dispersion in fiber optic communication systems

Product Code 3 Feb, 2004 COMMITTEE: FO-4.1
\$63.00

POLARIZATION MODE DISPERSION

TIA/TR-1029

IEC 61280-3: Fibre Optic Communication System Design Guides - Part 3: Calculation of Polarization Mode Dispersion (ANSI/TIA/TR-1029-2004)

This document provides guidelines for the calculation of polarization mode dispersion (PMD) in fibre optic systems

Product Code 3 Feb, 2004 COMMITTEE: FO-4.1
\$77.00

LAND MOBILE COMMUNICATIONS

ANTENNA SYSTEMS

TIA-929

Terrestrial Land Mobile Radio Antenna Systems - Standard Format for Digitized Filter Characteristics (2003)

This document is intended to standardize the presentation of digitized filter characteristics for antenna systems in the Terrestrial Land Mobile Radio Services

Product Code 3 Oct, 2003 COMMITTEE: TR-8.11
\$67.00

EQUIPMENT

TIA-603-B

Land Mobile FM or PM Communications Equipment Measurement and Performance Standards (ANSI/TIA-603-B-2002)

This document provides definition, method of measurement and performance standards for radio equipment used in the Private (Dispatch) Land Mobile Services that employ FM or PM modulation, for transmission of voice or data using analog or digital techniques, with a frequency of 1 GHz or less

Product Code 3 Nov, 2002 COMMITTEE: TR-8.6
\$202.00

TIA-845

Radiowave Propagation - Path Loss - Measurement, Validation, and Presentation

This document defines standard methods for measuring, validating, and presenting radio propagation data

Product Code 3 Oct, 2001 COMMITTEE: TR-8.18
\$58.00

TIA-902.BAAB-A

Wideband Air Interface Scalable Adaptive Modulations (SAM) Physical Layer Specifications - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (ANSI/TIA-902.BAAB-A-2003)

This document defines the physical layer, or layer 1, of the Scalable Adaptive Modulation (SAM) wideband air interface (WAI).

Product Code 3 Sept, 2003 COMMITTEE: TR-8.5
\$99.00

TIA-902.BAAC

Project 25 - Wideband Air Interface Media Access Control/Radio Link Adaption (MAC/RLA) Layer Specification Public Safety Wideband Data Standards Project Digital Radio Technical Standards (2002)

This document defines the media access control/radio link adaption layer, or MAC/RLA layer of the wideband air interface (WAI).

Product Code 3 Sept, 2002 COMMITTEE: TR-8.5
\$133.00

TIA-902.BAAD-A

Wideband Air Interface (SAM) Radio Channel Coding Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (ANSI/TIA-902.BAAD-A-2003)

This document defines the radio channel coding function in the wideband air interface between the MAC/RLA sublayer and the modulation in the physical layer

Product Code 3 Sept, 2003 COMMITTEE: TR-8.5
\$77.00

TIA-902.BAAE

Wideband Air Interface - Logical Link Control (LLC) Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2002)

This document defines the logical link control layer, or LLC layer, of the wideband air interface

Product Code 3 Sept, 2002 COMMITTEE: TR-8.5
\$74.00

TIA-902.BAAF

Wideband Air Interface Mobility Management (MM) Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)

This document defines the mobility management layer, or MM layer, of the wideband air interface (WAI). It concentrates on the wideband air interface MM layer, whose function is to define the procedures and message formats that facilitate MRC RF roaming within and between wideband networks and negotiated absence services while minimizing impacts to other services

Product Code 3 May, 2003 COMMITTEE: TR-8.5
\$120.00

TIA-902-BAEB

Wideband Air Interface Packet Data Specification (PDS) - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)

This document defines the Packet Data Specification of the wideband air interface (WAI).

Product Code 3 May, 2003 COMMITTEE: TR-8.5
\$91.00

LAND MOBILE COMMUNICATIONS, EQUIPMENT (cont.)

TIA-902.BBAB

Wideband Air Interface - Isotropic Orthogonal Transform Algorithm (IOTA) - Physical Layer Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)

This document defines the physical layer, or layer 1, of the IOTA/OFDM Modulation (IOTA) wideband air interface

Product Code 3 Mar, 2003 **COMMITTEE: TR-8.5**
\$74.00

TIA-902.BBAD

Wideband Air Interface - Isotropic Orthogonal Transform Algorithm (IOTA) - Radio Channel Coding (CHC) Specification - Public Safety Wideband Data Standards Project - Digital Radio Technical Standards (2003)

This document defines the radio channel coding function in the wideband air interface between the MAC/RLA sublayer and the modulation in the physical layer

Product Code 3 Aug, 2003 **COMMITTEE: TR-8.5**
\$120.00

TIA-902.CAAA

Radio Communications - Public Safety Wideband Data Equipment - Performance Measurement Procedures (2003)

This document provides definition and methods of measurement standards for radio equipment used in the Private (Dispatch) Land Mobile Services that employ Scalable Adaptive Modulation (SAM), for transmission and reception of data using digital techniques, with or without encryption, with a frequency of 1 GHz or less

Product Code 3 Feb, 2003 **COMMITTEE: TR-8.1**
\$115.00

TIA-902.CAAB

Radio Communications - Performance Recommendations - Public Safety Wideband Data Equipment - Scalable Adaptive Modulation (SAM) (2003)

This document provides definition, methods of measurement, and performance standards for radio equipment used in the Private (Dispatch) Land Mobile Services that employ Scalable Adaptive Modulation (SAM)

Product Code 3 Feb, 2003 **COMMITTEE: TR-8.6**
\$87.00

TIA/EIA/IS-804

Terrestrial Land Mobile Radio - Antenna Systems - Standard Format for Digitized Antenna Patterns

This document is intended to standardize the presentation of digitized antenna patterns for antenna systems in the Terrestrial Land Mobile Radio Services

Product Code 3 Aug, 2001 **COMMITTEE: TR-8.11**
\$64.00

TSB-48

Method of Measurement for Land Mobile Receiver Impulse Blanking Effectiveness (1992)

This document is to be used in conjunction with TIA/EIA-603.

Product Code 3 Aug, 1992 **COMMITTEE: TR-8.2**
\$34.00

TSB-57

Sideband Spectrum Measurement Procedure for Transmitters Intended for Use in the 220-222 MHz Band (1993)

This document shall be used to demonstrate compliance with FCC bandwidth limitation requirements for transmitters intended for use in the 220-222 MHz band. Transmitters used in this frequency band will operate on 5 kHz channels and a maximum authorized bandwidth of 4 kHz. Assignable frequencies represent the center of the authorized bandwidth.

Product Code 3 Feb, 1993 **COMMITTEE: TR-8.1**
\$34.00

TSB-69

A System and Standards Definition for a Digital Land Mobile Radio System (r2003)

This document describes the functional elements of an FDMA, digital, trunked, Land Mobile Radio communication system, as well as defining the basic system architecture. This document provides the basic expectations of Enhanced Digital Access Communications Systems (EDACSTM), and outlines the organization of the family of documents. This document also serves as a foundation for the coherent development of the remaining documents within the family of documents. Additional and more specific information can be referenced in each of the corresponding documents within this family.

As a group, the family of documents describes the Enhanced Digital Access Communications System, inclusive of the equipment requirements, which allow both compatibility and interoperability between various systems and elements. These systems provide advanced digital land mobile radio services for private organizations, on all levels, including local, state, and national. The family of documents will be backward compatible and interoperable with existing installed EDACSTM per the defined technical definition of Section 4. This document describes trunked systems utilizing digital signaling, digital voice, and analog voice for conventional mutual aid operation.

This family of documents is applicable to Land Mobile equipment licensed under National Telecommunications and Information Administration (NTIA) and Federal Communications Commission (FCC) rules and regulations. They are suitable for 12.5 kHz or 25 kHz channels and designed for VHF, UHF, 800 and 900 MHz frequency bands. The family or specific documents within the family may be applicable in situations other than those noted above.

Product Code 3 Oct, 2003 **COMMITTEE: TR-8.16**
\$95.00

TSB-69.1-2

Enhanced Digital Access Communications Systems (EDACS) Land Mobile Radio System Packet Data Specification (r2003)

This document serves to define the EDACS packet data interface, protocol and procedures.

Product Code 3 Oct, 2003 **COMMITTEE: TR-8.15**
\$83.00

LAND MOBILE COMMUNICATIONS, EQUIPMENT (cont.)

TSB-69.3

Enhanced Digital Access Communications Systems (EDACS) Digital Air Interface for: Channel Access, Modulation, Messages, and Formats (r2003)

This document discusses Radio frequency (RF) signaling within the EDACS and includes both digital trunking control channel and working channel signaling structures and message formats. The purpose of this document is to define the digital signaling process to be used for trunking control and voice communications. Voice communication includes channel access, modulation, addressing, and working channel formats and messages, as well as error correction. This document is part of the TSB 69 series and other parts will soon be published.

Product Code 3 Oct, 2003 **COMMITTEE: TR-8.15**
\$115.00

TSB-69.5

Enhanced Digital Access Communications System IMBE Implementation (r2003)

This document specifies a voice coding method for the Enhanced Digital Access Communication System

Product Code 3 Oct, 2003 **COMMITTEE: TR-8.5**
\$156.00

TSB-78

Land Mobile Linear Analog Modulation Communications Equipment Measurement and Performance Standards

This document aims to standardize parameter titles, definitions, test conditions and the methods of measurement used to ascertain the performance of radio equipment used in the Land Mobile Services that employ linear analog modulation techniques. These include, but are not limited to, tone above band single sideband (TAB), transparent tone in band single sideband (TTIB), and real zero single sideband (RZ™SSB). Harmonizing methods of measurement for base stations, mobiles, and portable/personal equipment is also a goal, and separate standards for these, as an entity, have been included toward this end.

Product Code 3 Sept, 1996 **COMMITTEE: TR-8.14**
\$208.00

TSB-88-A

Wireless Communications Systems - Performance in Noise and Interference-Limited Situations - Recommended Methods for Technology-Independent Modeling, Simulation, and Verification

This document gives guidance on the following areas: establishment of standardized methodology for modeling and simulating narrowband/bandwidth efficient technologies operating in a post "refarming" environment; establishment of a standardized methodology for empirically confirming the performance of narrowband/bandwidth efficient systems operating in a post "refarming" environment; and aggregating the modeling, simulation and empirical performance verification reports into a unified "spectrum management tool kit" which may be employed by frequency coordinators, systems engineers and system operators. The purpose of this document is to define and advance a scientifically sound standardized methodology for addressing technology compatibility. This document provides a formal structure and quantitative technical parameters from which automated design and spectrum management tools can be developed based on proposed configurations that may temporarily exist during a migration process or for longer term solutions for systems that have different technologies.

Product Code 3 June, 1999 **COMMITTEE: TR-8.18**
\$182.00

TSB-88-A-1

Wireless Communications Systems - Performance in Noise and Interference-Limited Situations - Recommended Methods for Technology-Independent Modeling, Simulation, and Verification - Addendum 1

This document is intended to expand on the material in TSB-88-A by adding the following information to that already presented: a well-defined method of calculating height above average terrain (HAAT); a well-defined method of coverage and interference contour calculation; additional bibliographic information for use in association with the other added material; and corrections to erroneous or insufficiently explicit material contained in TSB88-A.

Product Code 3 June, 1999 **COMMITTEE: TR-8.18**
\$50.00

TSB-92

Report on EME Evaluation for RF Cabinet Emissions Under FCC MPE Guidelines

The purpose of this document is to develop and document methods and procedures of evaluation to establish cabinet emission levels with respect to the FCC-defined electromagnetic exposure (EME) limits. Specifically, the EME characterization is of box-level equipment only (e.g., fixed station, vehicular or similar equipment) and is not a substitute for a complete transmitter site environmental assessment by means of computation or site measurement. A limited case analysis, based on the FCC Part 90 type acceptance spurious emissions regulation limits, will be conducted herein to show that type accepted equipment at the box level is within the FCC maximum permissible exposure (MPE) limits.

Product Code 3 Aug, 1998 **COMMITTEE: TR-8.17**
\$55.00

LAND MOBILE COMMUNICATIONS, EQUIPMENT (cont.)

TSB-133

Private Land Mobile Radio (FCC Part 90) Two-Way Mobile and Portable Equipment RF Exposure (EME) Labeling, Product Manual, User Awareness, and Control Information to Meet FCC MPE/SAR Guidelines

This document suggests guidelines on product labeling, user manual information, and operator instructions for mobile and portable 2-way radio and to provide end-users with methods to comply with FCC RF exposure requirements.

Product Code 3 Sept, 2003 **COMMITTEE: TR-8.17**
\$51.00

TSB-902.A

Digital Radio Technical Standards - Public Safety Wideband Data Standards Project - Wideband Data System and Standards Definition (2001)

This document enables interoperability in a wideband radio system using high-speed packet data over wideband data channels in the 700 MHz public safety band plan

Product Code 3 Dec, 2001 **COMMITTEE: TR-8.5**
\$64.00

PRIVATE RADIO (APCO/PROJECT 25/102 Series)

TIA/EIA 102 Series

Telecommunications, Land Mobile Communications (APCO/Project 25)

This series is a combination of all documents and bulletins (TSB) which are related to APCO/Project 25.

Product Code 3 **COMMITTEE: TR-8**
\$2,915.00

TIA/EIA-102.AAAA-A

APCO Project 25 DES Encryption Protocol (ANSI/TIA/EIA-102.AAAA-A-2001)

This DES encryption protocol document defines the operation of encryption and decryption in a way that is compatible with information transfer through an APCO Project 25 standard system, especially, through the common air interface of such a system.

Product Code 3 Feb, 2001 **COMMITTEE: TR-8**
\$62.00

TIA/102.AAAB

APCO Project 25 - Security Services Overview - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.AAAB-2002)

A general land mobile radio communications system consists of subscriber units, base stations and other fixed equipment for single-site to wide area operation and console operator positions, and computer equipment. This document provides an overview of the security services available in Land Mobile Radio systems. It provides the context in which to understand why security services are required and gives a general high level description of how they are provided.

Product Code 3 Aug, 2002 **COMMITTEE: TR-8.3**
\$64.00

TIA/EIA-102.AAAC

Conformance Test for the Project 25 DES Encryption Protocol - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102-AAAC-2001)

This DES encryption protocol document describes the following items that are necessary for encryption protocol: encryption algorithm, operating mode, key variable, initialization vector and message indicator. This protocol is compatible with either voice or data messages and can be transported through a radio network using common air interface.

Product Code 3 Feb, 2001 **COMMITTEE: TR-8**
\$119.00

TIA/EIA-102.AAAD

APCO Project 25 - Block Encryption Protocol (ANSI/TIA/EIA-102.AAAD-2002)

This standard defines the means for this equipment to send and receive digital information, in the form of either voice or data (i.e., non-voice) messages

Product Code 3 July, 2002 **COMMITTEE: TR-8.3**
\$71.00

TIA/EIA-102.AABB

APCO Project 25 - Trunking Control Channel Formats (ANSI/TIA/EIA-102.AABB-2000)

This document defines the general control channel structures to be employed on the APCO Project 25 trunking control channel.

Product Code 3 May, 2000 **COMMITTEE: TR-8.10**
\$62.00

TIA/EIA-102.AABC-A

APCO Project 25 - Trunking Control Channel Messages (ANSI/TIA/EIA-102.AABC-2004)

This document updates information contained in TIA/EIA/IS-102.AABC to include messages for telephone interconnect channel grant updates and a revision for the group affiliation response.

Product Code 3 Apr, 2004 **COMMITTEE: TR-8.10**
\$177.00

LAND MOBILE COMMUNICATIONS, PRIVATE RADIO (APCO/PROJECT 25/102 Series) (cont.)

TIA/EIA-102.AACA

APCO Project 25 - Over-The-Air-Rekeying (OTAR) Protocol - New Technology Standards Project - Digital Radio Technical Standards

This document covers Over-the-Air-Rekeying (OTAR) protocol for unclassified sensitive government communications. Readers should have knowledge of the Project 25 standard to make use of this document. OTAR is a method of encrypting and sending the encryption keys through the Common Air Interface (CAI) in privacy. This document defines protocol and sets forth procedures to implement OTAR in radios conforming to Project 25 standards. Key management functions are described at a conceptual level.

Product Code 3 Apr, 2001 **COMMITTEE: TR-8**
\$170.00

TIA-102.AACA-1

APCO Project 25 - Over-The-Air-Rekeying (OTAR) Protocol - New Technology Standards Project - Digital Radio Technical Standards - Addendum 1 - Key Management Security Requirements for Type 3 Block Encryption Algorithms (ANSI/TIA-102.AACA-A-2001)

This addendum specifies the general security requirements to be used when transmitting Type 3 Key Management Messages (KMMs) as defined in the Over the Air Rekeying (OTAR) Protocol document

Product Code 3 Apr, 2001 **COMMITTEE: TR-8.3**
\$67.00

TIA-102.AACB

Over-The-Air-Rekeying (OTAR) Operational Description - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.AACB-2002)

This document provides an operational description of OTAR. Its purpose is to describe, in relatively simple terms, the various complex over-the-air-rekeying messages and procedures. This document is meant to be used in conjunction with an OTAR protocol standard, and a basic familiarity with an OTAR protocol standard is helpful to interpret this operational description.

Product Code 3 Nov, 2002 **COMMITTEE: TR-8.6**
\$71.00

TIA/EIA-102.AACC

Conformance Tests for the Project 25 Over-The-Air-Rekeying (OTAR) Protocol - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102.AACC-2002)

This document provides a series of conformance tests for the APCO Project 25 Over-The-Air-Rekeying (OTAR) protocol. These tests are intended to assure that the equipment conforms to the message formats specified in the OTAR protocol document and that the equipment is interoperable with other equipment conforming to the standard.

Product Code 3 June, 2002 **COMMITTEE: TR-8.3**
\$156.00

TIA/EIA-102.BAAA-A

APCO Project 25 FDMA Common Air Interface - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102.BAAA-A-2003)

This document is part of the APCO/Project 25 series. This document provides an overview of the standardized set of data communication services such that data connectivity will operate in accordance with any Project 25 radio and across any Project 25 digital radio system. The document describes all of the parts of a system for public safety land mobile radio communications. These systems have subscriber units (which include portable radios for hand held operation and mobile radios for vehicular operation), base stations (for fixed installations), and other fixed equipment (for wide-area operation and console operator positions), as well as computer equipment (for data communications). There are interfaces between each of these equipment items. The Common Air Interface allows these radios to send and receive digital information over a radio channel.

Product Code 3 Sept, 2003 **COMMITTEE: TR-8.15**
\$120.00

TIA-102.BAAC-A

APCO Project 25 - Common Air Interface Reserved Values (ANSI/TIA-102.BAAC-2003)

This document defines the messages to control trunking system operation on the common air interface for Project 25

Product Code 3 Dec, 2003 **COMMITTEE: TR-8.15**
\$35.00

TIA-102.BAAD

APCO Project 25 Common Air Interface Operational Description for Conventional Channels

This document serves as a supplement to the Common Air Interface and describes some simple operational procedures for conventional systems using voice or data. These procedures are sufficient for basic operation of conventional radio systems. The basic procedures defined in TSB102.BAAD include those for transmitting and receiving digital voice on a radio channel, and basic conventional systems are classed as either repeater systems or direct systems.

Product Code 3 Dec, 2003 **COMMITTEE: TR-8.15**
\$67.00

TIA-102.BABA

APCO Project 25 Vocoder Description (ANSI/TIA/EIA-102.BABA-2003)

This document specified the voice coding method for the Project 25 System and Standard Definition IS102 (originally published as a TSB). It describes the functional requirements for the transmission and reception of voice information using digital communication media described in the standard. This document is specifically intended to define the conversion of voice from an analog representation.

Product Code 3 Dec, 2003 **COMMITTEE: TR-8**
\$163.00

LAND MOBILE COMMUNICATIONS, PRIVATE RADIO (APCO/PROJECT 25/102 Series) (cont.)

TIA/EIA-102.BABB

APCO Project 25 - Vocoder Mean Option Score Conformance Test (ANSI/TIA/EIA-102.BABB-99)

This document details definitions and methods of measurement for test conformance of speech codecs used in APCO Project 25 Digital Land Mobile Radio Equipment to the reference speech codec defined for Project 25. The purpose of this standard is to assure that a speech codec in any given piece of Project 25 Equipment is compliant with TIA/EIA-102.BABA.

Product Code 3 Apr, 1999 **COMMITTEE: TR-8**
\$95.00

TIA/EIA-102.BABC

APCO Project 25 Vocoder Reference Test (ANSI/TIA/EIA-102.BABC-99)

This document specifies one method that may be employed to test that implementation of TIA/EIA-102.BABA compatible speech codecs meet minimum performance requirements.

Product Code 3 Mar, 1999 **COMMITTEE: TR-8**
\$66.00

TIA/EIA-102.BADA

Telephone Interconnect Requirements and Definitions (Voice Service) (ANSI/TIA/EIA-102.BADA-2000)

This document defines the requirements for telephone voice interconnect for Land Mobile Radio systems. This document only applies to those features of a telephone interconnect service which are necessary for basic telephone functionality.

Product Code 3 Feb, 2000 **COMMITTEE: TR-8.19**
\$55.00

TIA/EIA-102.BAEA

APCO Project 25 Data Overview - New Technology Standards Project (ANSI/TIA/EIA-102.BAEA-2000)

This document provides an overview of the standardized set of data communication services such that data connectivity will operate in accordance with any Project 25 radio and across any Project 25 digital radio system. The document describes circuit and packet data. Additionally, the description serves the requirement to transport multiple packet protocols, including TCP/IP, X.25 and SNA. The APCO 25 system defines 2 different categories of data services in 3 different categories of data configurations for a total of 6 distinct service/configuration combinations. This document does not include a multipoint A interface, or low speed data, which is data embedded in voice.

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$55.00

TIA-102.BAEA-1

Project 25 - Data Overview Addendum 1 - USB/PPP New Technology Standards Project Digital Radio Technical Standards (ANSI/TIA-102.BAEA-1-2002)

This addendum updates information contained in ANSI/TIA/EIA-102.BAEA

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$49.00

TIA/EIA-102.BAEB

APCO Project 25 - Packet Data Specification - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA/EIA-102.BAEB-2000)

This document serves to define the detailed interfaces, protocols, and procedures involved in interfacing with a data capable Project 25 standard radio unit via the standard mobile data peripheral interface (A), and (optionally) a Project standard FNE (Fixed Network Equipment) data end-system interface (ED). Defined are packet services, in all 3 configurations: radio-radio, radio-repeater, and radio-FNE, supported by point-to-point radio data peripheral interfaces (A). The data services mapping to Project 25 CAI formats are defined, which may be provided across conventional or trunked service channels.

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$142.00

TIA/EIA-102.BAEB-1

APCO Project 25 - Packet Data Specification - Addendum 1 - Subnetwork Dependent Convergence Protocol - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.BAEB-1-2002)

This document updates information contained in TIA/EIA-102.BAEB "Packet Data Specification". These enhancements are presented in order to optimize the capabilities of a trunked Project 25 data system (ANSI/TIA/EIA-102..

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$87.00

TIA-102.BAEB-2

APCO Project 25 - Packet Data Specification - Addendum 2 - USB/PPP - New Technology Standards Project - Digital Radio Technical Standards (ANSI/TIA-102.BAEB-2-2002)

This addendum introduces a new Physical layer standard option and a new Link Layer standard option on the A Reference Point in the Project 25 General System Model in TSB-102-A

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$47.00

TIA/EIA-102.BAEC

APCO Project 25 Circuit Data Specification New Technology Standards Project Radio Technical Standards (ANSI/TIA/EIA-102.BAEC-2000)

This document serves to define the detailed interfaces, protocols and procedures involved in interfacing with a data-capable Project 25 standard radio unit via the standard mobile data peripheral interface (A), and, optionally, a Project 25 standard fixed network equipment (FNE) data end-system interface.

Product Code 3 May, 2000 **COMMITTEE: TR-8.5**
\$87.00

TIA/EIA-102.BAEE

Project 25 - Radio Control Protocol (RCP) (ANSI/TIA/EIA-102.BAEE-2000)

This document defines a Radio Control Protocol (RCP) for use in land mobile digital radio systems. RPC, along with the Internet Control Message Protocol (ICMP), defines the control signaling protocol across the "A" interface.

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$64.00

LAND MOBILE COMMUNICATIONS, PRIVATE RADIO (APCO/PROJECT 25/102 Series) (cont.)

TIA-102.BAEE-1

Project 25 - Radio Control Protocol (RCP) - Addendum 1 - USB/PPP - New Technology Standards Project - Digital Radio Technology Standards (ANSI/TIA-102.BAEE-1-2000)

This addendum introduces a new Physical Layer standard option and a new Link Layer standard option on the A Reference Point in the Project 25 General System Model in TSB 102-A

Product Code 3 Mar, 2000 **COMMITTEE: TR-8.5**
\$47.00

TIA-102.CAAA-A

Digital C4FM/CQPSK Transceiver Measurement Methods (ANSI/TIA-102.CAAA-A-2002)

This document provides definition, methods of measurement and performance standards for radio equipment used in the private (dispatch) land mobile services that employ C4FM or CQSK modulation for transmission and reception of voice or data using digital techniques, with or without encryption, with a maximum frequency of 1 GHz or less.

Product Code 3 Nov, 2002 **COMMITTEE: TR-8.1**
\$187.00

TIA-102.CAAB-A

Digital C4FM/CQPSK Transceiver Performance Recommendations (ANSI/TIA-102.CAAB-A-2002)

This document provides physical layer performance standards under standard conditions for 12.5 kHz channelization digitally modulated radio equipment with a maximum operating frequency of 1 GHz or less in the Private (Dispatch) Land Mobile Services that employ compatible 4 level frequency modulation (C4FM) or compatible differential offset quadrature phase shift keying (CQPSK) digital modulation for transmission of voice or circuit switched data.

Product Code 3 Sept, 2002 **COMMITTEE: TR-8.6**
\$87.00

TIA-102.CABB

Project 25 - Interoperability Test Procedures - Over-the-Air Rekeying (OTAR)

This document defines procedures for testing the interoperability of data, specifically, Over-the-Air Rekeying (OTAR) commands between RF sub-systems and mobile radio subscribers of different manufacturers, different models of the same manufacturer, and different firmware upgrades of the same model

Product Code 3 Aug, 2003 **COMMITTEE: TR-8**
\$139.00

TSB-102-A

APCO Project 25 - Systems and Standards Definition

The APCO Project 25 System and Standards Definition provides, in a general way, a definition and description of an APCO Project 25 system's architecture, interfaces and system elements. General expectations of the APCO Project 25 system and the organization of a family of APCO Project 25 standards and bulletins are included in this document. More detailed APCO Project 25 information is included in the individual APCO Project 25 standards and bulletins.

Product Code 3 Nov, 1995 **COMMITTEE: TR-8**
\$150.00

TSB-102.AABA

APCO Project 25 Trunking Overview

APCO Project 25 digital radio systems will optionally support a trunking mode of operation. This document provides an overview of the essential attributes of the trunking mode of operation such that, where systems are configured in the trunking mode, voice and data services will operate in accordance with the goals of the APCO Project 25. Trunking is needed in order to support access control over resources ranging all dimensions from single site single station, to multiple site single station, to multiple station single site, to multiple station multiple site. Additionally, the trunking system must support all required services, which may cover such areas as data, voice, protected data, protected voice, flexible group structures, and telco interconnect.

Product Code 3 Apr, 1995 **COMMITTEE: TR-8.10**
\$40.00

TSB-102.AABD

APCO Project 25 Trunking Procedures - New Technology Standards Project - Digital Radio Technical Standards

This document details the procedures needed to be followed by both trunked subscriber units (mobile, portable and fixed) and the trunked system to which the subscriber units are connected. These procedures are required to permit interoperability.

Product Code 3 Oct, 1997 **COMMITTEE: TR-8.10**
\$133.00

TSB-102.AABF

APCO Project 25 - Link Control Word Formats and Messages - New Technology Standards Project - Digital Radio Technical Standards

This document shall provide information that is necessary for the formats and messages for the Link Control Words for both conventional and trunking operation. Link Control Words are code words that encodes 9 octets of information.

Product Code 3 May, 1996 **COMMITTEE: TR-8.10**
\$60.00

TSB-102.AABF-1

APCO Project 25 - Link Control Word Formats and Messages - New Technology Standards Project - Digital Radio Standards Project - Digital Radio Technical Standards, Addendum 1

The purpose of this addendum is to update information contained in TSB-102.AABF

Product Code 3 May, 1996 **COMMITTEE: TR-8.10**
\$55.00

LAND MOBILE COMMUNICATIONS, PRIVATE RADIO (APCO/PROJECT 25/102 Series) (cont.)

TSB-102.AABG***APCO Project 25 - Conventional Control Messages - New Technology Standards Project - Digital Radio Technical Standards***

APCO Project 25 applies to both conventional and trunked systems. The distinction between conventional and trunking systems may be that trunking systems include a centralized controlling device which is used to assign channels to subscribers as service is demanded. This controlling device is absent in a conventional system. A large set of useful functions are defined for trunking systems, including but not limited to the functions necessary for subscribers to request service and for the controller to grant service. Trunking also defines functions which may be applied to conventional systems, such as an Emergency Alarm. This document is intended to name those functions that are defined for trunking which may be applied to conventional systems.

Product Code 3 July, 1996 **COMMITTEE: TR-8.10**
\$43.00

TSB-102.BAAB-A***APCO Project 25 Common Air Interface Conformance Test***

This document lists a series of conformance tests for the Common Air Interface, defined in reference 2. These tests are intended to assure the equipment actually conforms to the formats specified in the Common Air Interface. The object of the conformance tests is to assure the equipment may be interoperable with other equipment conforming to the standard. These tests are different and distinct from performance test, given in reference 5, which measure the actual limits of equipment performance. The performance and conformance test are mutually complementary. These tests are also different and distinct from lock down tests, which are intended to demonstrate interoperability between different radios. These conformance tests are intended to precede lock down tests.

Product Code 3 Aug, 1995 **COMMITTEE: TR-8.15**
\$176.00

TSB-102.BAAB-A-1***APCO Project 25 - FDMA Common Air Interface Conformance Test - Addendum 1***

This document updates information contained in TSB-102.BAAB revision A for APCA/NASTD/FED Project 25 Phase 2.

Product Code 3 Aug, 1995 **COMMITTEE: TR-8.15**
\$31.00

TSB-102.BABD***APCO Project 25 Vocoder Selection Process***

This document describes the evaluation procedure to be employed in the assessment of various digital voice coding technology proposals for Project 25.

Product Code 3 May, 1996 **COMMITTEE: TR-8**
\$171.00

TSB-102.BACA***Inter-RF Subsystem Interface Messages Definition - New Technology Standards Project - Digital Radio Technical Standards***

This document defines a basic set of high-level messages to be utilized on the APCO Project 25 Interswitching Interface (ISSI) to accomplish the necessary mobility for subscriber units and mandatory standard services across the country.

Product Code 3 May, 1996 **COMMITTEE: TR-8**
\$75.00

TSB-102.BACC-A***APCO Project 25 - Inter-RF - Subsystem Interface Overview - New Technology Standards Project - Digital Radio Technical Standards***

This document provides an overview of the essential attributes of the ISSI such that, where APCO Project 25 communication systems are configured to include more than a single radio frequency subsystem (RFSS), the communication system will function and operate in accordance with the goals of APCO Project 25.

Product Code 3 Dec, 2003 **COMMITTEE: TR-8**
\$45.00

TSB-102.BAFA-A***APCO Project 25 - Network Management Interface Overview - New Technology Standards Project - Digital Radio Technical Standards***

This document specifically addresses the Network Management Interface. Its objective is to define the interface between one or more Radio Frequency (RF) Sub-systems and an attached network management manager or other interconnected network management system.

Product Code 3 July, 1999 **COMMITTEE: TR-8.19**
\$50.00

TSB-102.CAAC***Project 25 - Mobile Radio Push-to-Talk and Audio Interface Definitions and Methods of Measurement***

This document defines a physical and electrical interface to Project 25 mobile radios

Product Code 3 Sept, 2002 **COMMITTEE: TR-8.1**
\$47.00

TSB-102.CABA***APCO Project 25 - Interoperability Test Procedures - Conventional Voice Equipment***

This document defines procedures for testing the interoperability of subscribers/repeaters between different manufacturers, different models of the same manufacturer, and different firmware upgrades of the same model.

Product Code 3 Feb, 2002 **COMMITTEE: TR-8**
\$79.00

MICROWAVE, POINT-TO-POINT**TSB-10-F*****Interference Criteria for Microwave Systems (1994)***

This document provides methodology and criteria for properly coordinating microwave radio systems in the merged Domestic Public Fixed Radio Services and Private Operational-Fixed Microwave Service bands. These interference criteria are based on levels of interference established in Parts 21 and 94 of the Federal Communications Commission (FCC) Rules and Regulations. TSB10-F will have particular significance in facilitating the transition of 2GHz fixed systems to higher bands in order to accommodate the new PCS systems.

Product Code 3 June, 1994 **COMMITTEE: TR-14.11**
\$196.00

MODEMS

DATA MODEMS**TIA/EIA-3700****Telephone Network Transmission Model for Evaluating Analog Modem Performance (ANSI/TIA/EIA-3700-99)**

This document defines a model of the characteristics of the U.S. public switched telephone to be used to measure modem transmission performance.

Product Code 3 Aug, 1999 **COMMITTEE: TR-30.3**
\$86.00

FAX MODEMS**TIA-578-B****Facsimile Digital Interfaces - Asynchronous Facsimile DCE Control Standard, Service Class I (ANSI/TIA/EIA-578-B-2000)**

Group 3 facsimile machines were developed for sending digitized documents over the general switched telephone network (GSTN). This document contains protocols for use between a DTE and a facsimile DCE, and includes automatic calling and answering. It defines the commands that the DTE may issue to configure and control the DCE, and the responses the facsimile DCE may issue to those commands. It is useful for intelligent DTEs and DTE software, facsimile DCEs, and facsimile terminals with digital connection to DTEs. This Standard assumes that the DTE and DCE are connected via serial asynchronous connection using TIA-232-D (or CCITT V.24) circuits. However, the protocols defined may be implemented in any environment that provides a character serial bidirectional data stream, including processor bus attached "FAX boards," local area networks, small computer systems interface (SCSI, ANSI X3.131), etc. The adaptation of the protocols and procedures to these alternative communication schemes is beyond the scope of this Standard. TSB43 relates to and clarifies TIA-578.

Product Code 3 Nov, 2000 **COMMITTEE: TR-30.5**
\$87.00

TIA/EIA-592-A**Asynchronous Facsimile DCE Control Standard - Service Class 2 (ANSI/TIA/EIA-592-A-98)**

This document contains protocols for use between a DTE and a Facsimile DCE. It supports automatic calling and answering. This standard defines the commands that the DTE may issue to configure and control the DCE, and the responses the facsimile DCE shall issue to those commands. It also contains useful information for intelligent DTEs and DTE software, facsimile DCEs, and facsimile terminals with digital connection to DTEs. This Standard assumes that the DTE and DCE are connected via serial asynchronous connection using TIA/EIA-232-F (or v.24) circuits. It also requires the provision of the Packet Protocol when used on serial ports.

Product Code 3 Mar, 1998 **COMMITTEE: TR-30.5**
\$133.00

TIA-605**Facsimile DCE-DTE Packet Protocol Standard (ANSI/TIA-605-92) (R2002)**

This document describes a Facsimile DCE-to-DTE Packet Protocol. This protocol is designed to detect the loss of octets sent by the Facsimile DCE to the DTE due to DTE inability to service the input channel.

This protocol was designed to support Facsimile DCE, such as those defined in the earlier editions of TIA-578 and TIA-592.

This document was designed to support communication on serial asynchronous connections, such as EIA/TIA-232-E or ITU-T V.24 circuits.

Product Code 3 Oct, 2002 **COMMITTEE: TR-30.5**
\$46.00

TSB-43**Recommendations for DTE Compatibility with TIA/EIA-578 DCEs and Corrections to Example Sessions (r2003)**

This addendum makes corrections to the original document.

Product Code 3 Jan, 2003 **COMMITTEE: TR-30.5**
\$34.00

OPTIONAL MODEMS**TSB-83****IS-680 Optional Modems**

This document describes two optional modems for information communication between personal base (PB) equipment and authorization and call routing equipment (ACRE): Bell 212 and higher-speed transmission modems.

Product Code 3 Apr, 1997 **COMMITTEE: TR-45.1**
\$39.00

MODEMS/PCM

TRANSMISSION PERFORMANCE**TIA/EIA-793****North American Telephone Network Transmission Model for Evaluating Analog Client and Digitally Connected Server Modems (ANSI/TIA/EIA-793-2001)**

This document defines a model of the characteristics of the Public Switched Telephone Network (PSTN) in the continental United States of America which determine PCM modem transmission performance

Product Code 3 Jan, 2001 **COMMITTEE: TR-30.3**
\$137.00

TSB-38**Test Procedure for Evaluation of 2-Wire 4-Kilohertz Voiceband Duplex Modems (r2002)**

This document provides a consistent set of repeatable test procedures designed to characterize the performance of modems, specifically 2-Wire 4-Kilohertz Voiceband Duplex Modems that operate over the Public Switched Telephone Network (PSTN). These procedures apply regardless of manufacturer type or implementation of the modem.

This document gives step-by-step instructions for performing each test. TSB38 also gives format suggestions for analyzing, interpreting and presenting the results.

Product Code 3 July, 2002 **COMMITTEE: TR-30.3**
\$151.00

MODEMS/XDSL

TIA-876

North American Network Access Transmission Model for Evaluating xDSL Modem Performance (ANSI/TIA-876-2002)

This document defines a model of the characteristics of the North American access network that determine xDSL transmission performance

Product Code 3 Oct, 2002 **COMMITTEE: TR-30.3**
\$170.00

PERSONAL COMMUNICATIONS SERVICES (PCS)

CELLULAR INTERSYSTEM OPERATIONS

TSB-56-A

Cellular Application Level Testing for IS-41-B, TSB-51 and IS-53 (1994)

This document contains testing scenarios for the verification of intersystem signaling and cellular feature compatibility with IS-41 (Rev-B), IS-53 (Rev-0) and TSB-51 (Rev. 0). These tests are not intended to be a complete exercise of all possible combinations of intersystem signaling scenarios. Rather, these exercises present a manageable set of verification exercise tests.

Product Code 3 June, 1994 **COMMITTEE: TR-45.2**
\$95.00

INTERSYSTEM OPERATION

J-STD-038-A

Network Interworking Between GSM Map and ANSI/TIA-41-Map - Revision A - GPRS Support (ANSI-J-STD-038-2002)

This document addresses the interworking and interoperability between TIA/EIA-41 MAP and GSM based networks in the support of subscribers roaming between networks.

Product Code 3 Jan, 2002 **COMMITTEE: TR-45**
\$322.00

PRIVATE NETWORK TELEPHONY

TSB-32-A

Overall Transmission Plan Aspects for Telephony in a Private Network (r2003)

This document applies to transmission within private networks and the interconnection of private networks with other, mainly public, networks. It should be considered as a tutorial and illustration for the planning of private networks with respect to the voice transmission quality of narrowband 3.1 kHz real time telephony via handsets.

Product Code 3 Nov, 2002 **COMMITTEE: TR-41.1**
\$156.00

SATELLITE

TIA/EIA/IS-787

Common ATM Satellite Interface Interoperability Specification (CASI)

This document introduces a network device that provides powerful, dynamic forward error correction (FEC) and data compression techniques for better wideband utilization. This CASI specification provides the details for implementing a network device between the terrestrial asynchronous transfer mode (ATM) network interface and a conventional satellite modem. This document allows interoperability among different vendor equipment that provides the features that are described in this document.

Product Code 3 July, 1999 **COMMITTEE: TR-34.1**
\$49.00

TSB-90

High Level Requirements for Common Air Interface for GEO-Mobile (Super-GEO) Satellite Communications Featuring interoperation with Terrestrial GSM

This document defines the minimum requirements in terms of services, operating scenario and service attributes of a common air interface (CAI) standard for a geostationary earth orbit (GEO) mobile satellite service (MSS) enabling single-mode or multimode user terminal operation with the terrestrial global system for mobile communications (GSM) network.

Product Code 3 Sept, 1998 **COMMITTEE: TR-34.1**
\$81.00

TSB-91

Satellite ATM Networks: Architectures and Guidelines

This document provides architectures and guidelines for satellite ATM networks. An important element of satellite ATM networking will involve support for the routing, rerouting, and handover of active connections.

Product Code 3 May, 1998 **COMMITTEE: TR-34.1**
\$58.00

EARTH TERMINAL EQUIPMENT

TIA-904

KA-band Satellite Systems RF Compatibility Requirements (2001)

This document applies to earth terminals intended for non-Government use in blanket-licensed Ka-band satellite networks within the United States of America. It also applies to geostationary space station transmissions used to provide blanket-licensed services to earth terminals within the U.S.A.

Product Code 3 Dec, 2001 **COMMITTEE: TR-34.1**
\$60.00

SATELLITE (cont.)

INTERFERENCE CRITERIA

TSB-86

Criteria and Methodology to Assess Interference Between Systems in the Fixed Service and the Mobile-Satellite Service in the Band 2165-2200 MHz

This document provides technical background information on systems operating in the FS and the MSS in the 2.1 GHz frequency band; delineates methods for evaluating the associated potential interference; presents example applications for the methodology and discusses possible interference mitigation techniques.

Product Code 3 Oct, 1999 **COMMITTEE: TR-34.2**
\$133.00

IP (INTERNET PROTOCOL)

TIA-1008

IP Over Satellite (IPoS) (2003)

This document contains the procedures used by remote terminals and the hub for delivery of traditional Internet Protocol (IP) services in a star satellite access network

Product Code 3 Oct, 2003 **COMMITTEE: TR-34**
\$211.00

SATELLITE SERVICES

GEOSTATION EARTH ORBIT

J-STD-781

Geo-Mobile Radio Interface Specifications: GMR-2 (Series 1-6)

The GEO-Mobile Radio Interface Specifications (GMR-2) are a collection of individual specifications which document the requirements necessary for successful two-way communication between a Mobile Earth Station (MES), the Satellite, Gateway and the Network Control Centre(NCC). The scope of these specifications has been limited to the GMR-2 modified GSM waveform.

Product Code 3 Nov, 2001 **COMMITTEE: TR-34.1**
\$428.00

SATELLITE SERVICES

J-STD-782

Geo-Mobile Radio Interface Specifications: GRM-1 (Series 1-7)

The GEO-Mobile Radio Interface Specifications (GMR-1) is a family of specifications which specify the requirements for implementing the GMR-1 radio interface for Mobile Earth Stations (MES) communicating using a Geosynchronous Earth Orbit satellites and interworking into a GSM core network. The GMR-1 specifications are based upon the GSM specifications. The GMR specifications define the differences (i.e., the modifications) relative to the GSM specifications that deal with the different system requirements such as the path losses and delays associated with satellite communications using a Geosynchronous Earth orbit satellite.

Product Code 3 Nov, 2001 **COMMITTEE: TR-34.1**
\$417.00

SURVEILLANCE

WIRE TAPING

J-STD-025

Lawfully Authorized Electronic Surveillance (CALEA)(ANSI-J-STD-025-2000)

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 Dec, 2000 **COMMITTEE: TR-45.2**
\$170.00

J-STD-025

Lawfully Authorized Electronic Surveillance (CALEA) (1997)

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 Dec, 1997 **COMMITTEE: TR-45.2**
\$Call for Pricing

J-STD-025

Lawfully Authorized Electronic Surveillance (CALEA), Addendum 1 (1997)

This addendum adds additional interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 Dec, 1997 **COMMITTEE: TR-45.2**
\$Call for Pricing

J-STD-025

Lawfully Authorized Electronic Surveillance (CALEA), Addendum 2 (1997)

This addendum adds additional interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 Dec, 1997 **COMMITTEE: TR-45.2**
\$Call for Pricing

J-STD-025-A

Lawfully Authorized Electronic Surveillance (CALEA) (2000)

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance

Product Code 3 May, 2000 **COMMITTEE: TR-45.2**
\$Call for Pricing

J-STD-025-A

Lawfully Authorized Electronic Surveillance (CALEA) (ANSI-J-STD-025-A-2000)

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 May, 2000 **COMMITTEE: TR-45.2**
\$94.00

SURVEILLANCE, WIRE TAPING (cont.)

J-STD-025-B
Lawfully Authorized Electronic Surveillance (CALEA)
(2003)

This document defines the interfaces between a telecommunications service provider (TSP) and a law enforcement agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance.

Product Code 3 Dec, 2003 **COMMITTEE: TR-45**
\$Call for Pricing

TELEPHONES/TERMINAL EQUIPMENT

TIA/EIA-594-A
IEC 11573 - Information Technology -
Telecommunications and Information Exchange Between
Systems - Synchronization Methods and Technical
Requirements for Private Integrated Service Networks
(ANSI/TIA/EIA-594-A-2002)

This international standard contains requirements necessary for the synchronization of PISNs.

Product Code 3 July, 2002 **COMMITTEE: TR-41.1**
\$87.00

TIA-594-B
Telecommunications - Multiline Terminal Systems -
Synchronous Methods and Technical Requirements for
Private Integrated Services Networks (2004)

This standard contains requirements necessary for the synchronization of TDM based PSINs

Product Code 3 Mar, 2004 **COMMITTEE: TR-41.1**
\$74.00

CALLER ID

TIA/EIA-716
Telecommunications Telephone Terminal Equipment -
Type 1 Caller Identity Equipment Performance
Requirements (ANSI/TIA/EIA-716-98)

This document addresses the technical issues associated with Customer Premises Equipment (CPE) for on-hook signaling, with or without power ringing, which are able to decode data frames packaged in a Single Data Message Format (SDMF), or a Multiple Data Message Format (MDMF). Specifically this standard establishes formal criteria for Frequency Shift keying (FSK) signals and protocol capable of being received by such CPE.

It does not address technical issues associated with Caller Identity Delivery on Call Waiting (CIDCW) or Analog Display Services Interface (ADSI) CPE, but may be referenced, as the signaling criteria are the same or similar.

Product Code 3 Oct, 1998 **COMMITTEE: TR-41.3**
\$64.00

TIA-777-A
Telecommunications - Telephone Terminal Equipment -
Type 2 Caller Identity Equipment Performance
Requirements

This document addresses the technical issues associated with Type 2 Caller Identify Customer Premise Equipment (CPE) for services such as Calling Identity Delivery on Call Waiting which uses Off-Hook signaling with data frames packaged in Multiple Data Message Format (MDMF).

Product Code 3 Dec, 1999 **COMMITTEE: TR-41.3**
\$60.00

TIA/EIA-855
Telecommunications - Telephone Terminal Equipment -
Stutter Tone Detection Device Performance Requirements
(ANSI/TIA/EIA-855-2001)

This document provides specifications for Customer Premises Equipment (CPE) devices designed to automatically detect stutter dial tone (SDT) on an analog telephone line.

Product Code 3 May, 2001 **COMMITTEE: TR-41.3**
\$62.00

CONNECTORS/POLARIZATION

TSB-146
Telecommunications - IP Telephony Infrastructures - IP
Telephony Support for Emergency Calling Service

This document provides support of ECS from IP Telephony terminals connected to an Enterprise Network (EN)

Product Code 3 Mar, 2003 **COMMITTEE: TR-41.4**
\$67.00

NETWORK CHANNEL TERMINAL EQUIPMENT

TIA-596
Network Channel Terminating Equipment for Public
Switched Digital Service (ANSI/TIA/596-92) (R2002)
Public Switched Digital Services (PSDS) is a switched service offering providing the end user with the capability of establishing, through the Public Switched Network (PSN), a 56 kb/s digital circuit. These interfaces can be either 4-wire, in-band signaling; 2-wire, in-band signaling; or 2-wire, out-of-band signaling metallic facilities, as shown in Fig 1-1. For purposes of this Standard, these interfaces are referred to as Type I, Type II and Type III respectively. This Standard establishes technical and functional requirements for the customer premises equipment known as Network Channel Terminating Equipment (NCTE). This Standard includes the specification for NCTE interfaces to data terminal equipment (DTE) interface, and end-to-end compatibility and maintenance requirements for connection to PSDS. Throughout this Standard, this equipment will be referred to as the Switched Circuit Data Service Unit (SCDSU) to distinguish it from the general category NCTE.

Product Code 3 Oct, 2002 **COMMITTEE: TR-41.4**
\$136.00

PART 68, (FCC) GUIDELINES

TIA-968-A
Telecommunications - Telephone Terminal Equipment -
Technical Requirements for Connection of Terminal
Equipment to the Telephone Network (ANSI/TIA-968-A-
2002)

This standard specifies technical criteria for terminal equipment approved in accordance with 47 CFR 68 for direct connection to the public switched telephone network, including private line services provided over wireline facilities owned by providers of wireline telecommunications

Product Code 3 Oct, 2002 **COMMITTEE: TR-41.9**
\$170.00

TELEPHONES/TERMINAL EQUIPMENT, PART 68, (FCC) GUIDELINES (cont.)

TIA-968-A-1

Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network, Addendum 1 (ANSI/TIA-968-A-2003)

This addendum only provides changes to TIA-968-A
Product Code 3 Oct, 2003 **COMMITTEE: TR-41.9**
\$58.00

TIA-968-A-2

Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network, Addendum 2 (ANSI/TIA-968-A-2-2004)

This addendum makes changes to ANSI/TIA-968-A
Product Code 3 Apr, 2004 **COMMITTEE: TR-41.9**
\$37.00

TIA/EIA/IS-883

Telecommunications - Telephone Terminal Equipment - Supplemental Technical Requirements for Connection of Stutter Dial Tone Detection Devices and ADSL Modems to the Telephone Network (2001)

This document provides supplemental criteria for connecting stutter dial tone detection devices and ADSL modems to the telephone network in accordance with 47 CFR 68
Product Code 3 June, 2001 **COMMITTEE: TR-41.9**
\$40.00

TSB-31-B

Part 68 Rationale and Measurement Guidelines (1998)

This document covers test procedures, test equipment and guidelines for determining compliance with the technical requirements of Part 68 of the Federal Communications Commission's (FCC) Rules and Regulations. Part 68 contains the minimum technical standards that customer premises equipment (CPE) must meet in order to be directly connected to the telephone network. These rules specify those technical standards necessary to assure that CPE will not cause harm to the telephone network.

The technical standards of Part 68 cover four broad categories of network harm: (1) Limitations to voltages or other signals that could be harmful to telephone company equipment or craftpersons; (2) Limitations to maximum signal power applied to the network to avoid interference with other telephone network services and users; (3) Limitations to longitudinal imbalance which may cause crosstalk interferences in the wire cable plant; and (4) Limitations to CPE functions that can interfere with the operation of telephone companies' billing equipment.

Product Code 3 Feb, 1998 **COMMITTEE: TR-41.9**
\$360.00

TSB129-A

Telecommunications - Telephone Terminal Equipment - Guide to the U.S. Supplier's Declaration of Conformity Process

This document provides guidance to the "responsible party" (as defined in Federal Communications Commission (FCC) rules 47CFR Part 68) who wishes to achieve approval of telecommunications terminal equipment (TTE) for connection to the public switched telephone network by the Supplier's Declaration of Conformity (SDoC) method.

Product Code 3 June, 2002 **COMMITTEE: TR-41.11**
\$62.00

TSB-129-A-1

Telecommunications - Telephone Terminal Equipment - Guide to the U.S. Supplier's Declaration of Conformity Process, Addendum 1

This addendum provides updates to TSB-129-A
Product Code 3 June, 2002 **COMMITTEE: TR-41.11**
\$42.00

TSB-168-A

Telecommunications - Telephone Terminal Equipment - Labeling Requirements

This document specifies the labeling requirements for terminal equipment approved by a Telecommunications Certification Body or a Supplier's Declaration of Conformity for connection to the telephone network in accordance with 47 CFR68.

Product Code 3 Sept, 2003 **COMMITTEE: TR-41.11**
\$43.00

PBX

TIA-464-C

Requirements for Private Branch Exchange (PBX) Switching Equipment (ANSI/TIA-464-C-2002)

This standard defines requirements for Private Branch Exchange (PBX) systems

Product Code 3 Oct, 2002 **COMMITTEE: TR-41.11**
\$233.00

TIA-619

Aggregation of Multiple Independent 56 kbits/s or 64 kbits/s Channels into a Synchronized Wideband Connection

The purpose of this document is to define a frame structure and procedures for establishing a wideband communications connection by combining multiple switched 56/64 kbit/s channels through the use of a Channel Aggregation Unit.

Product Code 3 Sept, 2002 **COMMITTEE: TR-41.1**
\$133.00

TIA/EIA-689

PBX and KTS Support for Enhanced 9-1-1 Emergency Service Calling (ANSI/TIA/EIA-689-97)

This document addresses technical issues associated with multi-line telecommunication system (MLTS) support of enhanced 9-1-1 emergency service calling. It specifically addresses dialing, routing, attendant notification and network interface technical specifications associated with outgoing 9-1-1 calls from MLTS stations.

Product Code 3 Oct, 1997 **COMMITTEE: TR-41.1**
\$49.00

TSB-123

Telecommunications - Multiline Terminal Systems - North American Test Plan for Multivendor QSIG Interoperability Testing

This document describes the test cases for the functional testing of QSIG features for interoperability between at least two vendors' QSIG offerings. The tests described in this document are designed to be conducted within private networks in point to point configurations that link the QSIG interfaces of the PINXs utilizing either BRI or PRI trunks.

Product Code 3 Oct, 2000 **COMMITTEE: TR-41.1**
\$156.00

TELEPHONES/TERMINAL EQUIPMENT (cont.)

PBX, WIRELESS

TIA/EIA-662

Personal Wireless Telecommunication Standard (PWT) (ANSI/TIA/EIA-662-97)

This document defines profiles for Personal Wireless Telecommunications (PWT) Interoperability Standard conforming to ANSI/TIA/EIA 622 1998. It is part of a family of profiles that build upon and extend each other, aimed at the general connection of terminals supporting non-voice services at a fixed infrastructure, private and public.

This section specifies a generic frame relay service for use within closed user groups (CUG, see section 3 Definitions and Abbreviations). This service is used by other Data Services Profile (DSP) standards when providing inter-working to levels above the Medium Access Control (MAC) layer of the attached network. Annex B contains inter-working conventions to specific attached data networks. This includes inter-working to the MAC layer of international standard connectionless Local Area data networks (LANs) ISO 8802.3, Ethernet and ISO 8802.5 Token Ring.

This section defines both Type A and Type B services. Type A is a low speed frame relay, with net sustainable throughput of up to 24 kb/s, optimized for burst data, low power consumption and low complexity applications such as hand-portable equipment. Service Type B is a high-speed frame relay, with net sustainable throughput of up to 552K/bits, optimized for high speed and low latency with burst data. Both are full compatible and can inter-work with each other. This standard defines the requirements on the Physical (PHL), Data Link Control (DLC) and Network (NWK) layers of PWT. This section also specifies Management Entity (ME) requirements and generic inter-working conventions that ensure the efficient use of the PWT frequency spectrum.

Product Code 3 Oct, 1997 **COMMITTEE: TR-41.6**
\$374.00

TIA/EIA-662.013

Personal Wireless Telecommunications Interoperability Standard (PWT) - Part 3 - Data Services Access Profiles A and B Class 1 (ANSI/TIA/EIA-662.013-98)

This document defines profiles necessary for equipment to conform to TIA/EIA-662, Personal Wireless Telecommunications (PWT) Interoperability Standard. It is part of a family of profiles that build upon and extend each other, aimed at the general connection of terminals supporting non-voice services to a fixed infrastructure (private and public).

Product Code 3 Oct, 1998 **COMMITTEE: TR-41.6**
\$95.00

TIA/EIA-663

Personal Communications Interface Interoperability Standard (PCI) (ANSI/TIA/EIA-663-97)

This specification is to be used for the two-way interworking between fixed and portable radio devices operating in the unlicensed frequency band allocated for personal communications services (unlicensed PCS or U-PCS).

Product Code 3 Feb, 1997 **COMMITTEE: TR-41.6**
\$177.00

TIA/EIA-667-A

Personal Access Communications System Wireless User Premises Equipment (PACS-WUPE) Air Interface Standard (ANSI/TIA/EIA-667-99)

This document specifies the elements and operation of the layered common air interface for digital radio communications systems with advanced communications capabilities.

Product Code 3 June, 1999 **COMMITTEE: TR-41.6**
\$292.00

RADIO FREQUENCY IMMUNITY

TIA-631-A

Telecommunications Telephone Terminal Equipment - Radio Frequency Immunity Requirements for Equipment Having an Acoustic Output (ANSI/TIA-631-A-2002)

This document specifies Radio Frequency (RF) immunity performance criteria for two-wire Telephone Terminal Equipment (TTE) having an acoustic output. Criteria are specified for immunity to radiated RF signals over the frequency range from 150 kHz to 150 MHz and for immunity to longitudinal (common mode) conducted RF signals over the frequency range from 150 kHz to 30 MHz.

Product Code 3 Dec, 2002 **COMMITTEE: TR-41.7**
\$66.00

TELEPHONES

TIA/EIA-470-B

Telecommunications - Telephone Terminal Equipment - Performance and Compatibility Requirements for Telephone Sets with Loop Signaling (ANSI/TIA/EIA-470-B-97)

This document provides performance and compatibility requirements for telephone sets intended for direct tip and ring connection to central office (CO) or private branch exchange (PBX) lines.

Product Code 3 Oct, 1997 **COMMITTEE: TR-41.3**
\$115.00

TIA-504-A

Telecommunications-Telephone Terminal Equipment-Magnetic Field and Acoustic Gain Requirements for Headset Telephones Intended for Use by the Hard of Hearing (ANSI/TIA/EIA-504-A-98)

This document defines magnetic field requirements for all headset telephones intended to couple magnetically with hearing aids. This Standard also covers requirements for receive-amplified headset telephones intended for use by the hard of hearing. This Standard does not cover other devices for the hard of hearing to use the telephone network.

Product Code 3 Feb, 1998 **COMMITTEE: TR-41.3**
\$55.00

TELEPHONES/TERMINAL EQUIPMENT, TELEPHONES (cont.)

TIA/EIA-579-A

**Telecommunications Telephone Terminal Equipment
Transmission Requirements for Digital Wireline
Telephones (ANSI/TIA/EIA-579-A-98)**

This document contains voice transmission performance and compatibility requirements for digital wireline telephones including ISDN voice terminals intended for connection to a public ISDN and digital proprietary telephones connected to the ICS interface of an ISPBX as specified in the ISPBX Loss Plan section of ANS/TIA/EIA-464 B.

These requirements should ensure satisfactory voice service to the user in a high percentage of installations, both initially and over some period of time, as ISDN service becomes more ubiquitous and as changes occur in telephone serving equipment. However, because of the wide range of central office switching equipment, PBX equipment, customer apparatus, and loop plant used in North America, conformity with this standard does not guarantee acceptable performance under all possible operating conditions. In general, where two levels of acceptability are specified (desirable and mandatory), compliance with the criteria in the desirable category implies a higher probability of acceptable performance or compatibility.

These requirements are not intended to describe specific requirements for the following types of digital voice terminal equipment: ISDN terminal adapters, ISDN cellular voice terminals, ISDN terminal speakerphones, and proprietary digital telephone designed to be connected to systems whose loss plan is different from ANIS/TIA/EIA-464-B.

This document is limited to digital telephones employing a close- speaking microphone and an earphone that permit a single user to carry on a two- way real- time voice communication, e.g. handset type telephones. This standard is also limited to telephones with linear, e.g., noncarbon, technology transmitters.

Product Code 3 Oct, 1998 **COMMITTEE: TR-41.3**
\$60.00

TIA-920

**Telecommunications - Telephone Terminal Equipment -
Transmission Requirements for Wideband Digital Wireline
Telephones (2002)**

This document establishes voice performance requirements for wideband digital, wireline telephones where transmission is in digital format

Product Code 3 Dec, 2002 **COMMITTEE: TR-41.3**
\$87.00

TERMINALS

TIA/EIA-571-A

**Telecommunications User Premises Equipment
Environmental Considerations (ANSI/TIA/EIA-571-A-99)**

This document establishes environmental conditions which should be addressed in the design of equipment for interfacing and connecting with the various elements of the public telephone network. It is intended as a companion standard for Private Branch Exchanges, Key Telephone Systems, Telephones and other customer terminal equipment standards that may be generated. It defines physical, electrical, and mechanical conditions to which the equipment may be exposed.

Product Code 3 May, 1999 **COMMITTEE: TR-41.7**
\$64.00

TRANSMISSION

TELEVISION

TIA/EIA-250-C

**Electrical Performance for Television Transmission
Systems (ANSI/EIA/TIA-250-C-90) (R2001)**

This document specifies the minimal transmission performance characteristics, consistent with good engineering practice, of television transmission of 525-line NTSC color or monochrome video and associated audio signals suitable for television broadcasting or for similar application and digital techniques. These limits are used for the acceptance of new systems or restoration of existing systems after maintenance. It should be noted that transmission systems utilizes analog, digital, or a mixture of analog and digital techniques. Definitions, standards, and methods of measurement are given for both the video and related audio signals being carried from a few hundred feet to thousands of miles, including satellite transmission.

Product Code 3 May, 2001 **COMMITTEE: TR-14.10**
\$73.00

VOICE OVER IP

TIA-918

**Signaling Conformance Standard for cdma2000® Wireless
IP Networks (2002)**

This document is designed to facilitate the interoperability testing between mobile stations and infrastructure supporting [2], as well as provide network specific test cases. Definitions, recommended methods of measurement, and minimum standards are provided

Product Code 3 May, 2002 **COMMITTEE: TR-45.5**
\$95.00

INTEROPERABILITY

TIA/EIA/IS-811

**Telecommunications - Telephone Terminal Equipment -
Performance and Interoperability Requirements for Voice-
over-IP (VoIP) Feature Telephones**

This document fills a recognized need in the telephone industry brought about by the use of equipment supplied by many different manufacturers

Product Code 3 June, 2000 **COMMITTEE: TR-41.3**
\$74.00

TRANSMISSION PERFORMANCE

TIA/EIA-810-A

**Telecommunications - Telephone Terminal Equipment-
Transmission Requirements for Narrowband
(ANSI/TIA/EIA-810-A-2000)**

This document establishes voice performance requirements for narrowband digital wireline telephones with codecs that conform to the ITU-T G-Series Recommendations and where transmission is in digital format.

Product Code 3 Dec, 2000 **COMMITTEE: TR-41.3**
\$90.00

VOICE OVER IP, TRANSMISSION PERFORMANCE (cont.)

TIA-912

Telecommunications IP Telephony Equipment Voice Gateway Transmission Requirements (2002)

This document establishes performance and technical criteria for interfacing and connecting with the various elements of public and private telecommunications networks.

Product Code 3 Apr, 2002 COMMITTEE: TR-41.4 \$95.00

VOICE QUALITY

TSB-116

Telecommunications - IP Telephony - Voice Quality Recommendations for IP Telephony

The objectives of this document are to provide end-to-end quality guidelines for North American IP Telephony and to an E-Model tutorial for IP scenarios.

Product Code 3 Mar, 2001 COMMITTEE: TR-41.1 \$87.00

VOICE ROUTER

TSB-122-A

Telephone - IP Telephony Equipment - Voice Router/Gateway Loss and Level Plan Guidelines

This document recommends a loss and level plan for voice routers that specifies the amount of loss or gain to be inserted by the router when interfacing with the various elements of public and private telecommunications networks. It is intended to be coordinated with the public network loss plan according to the principles of ANSI T1.508-1998 and it is intended to fully comply with FCC Part 68 Rules.

Product Code 3 Mar, 2001 COMMITTEE: TR-41.4 \$55.00

WIRING/CABLING

TIA/EIA-568-B.1

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements (ANSI/TIA/EIA-568-B.1-2001)

This document specifies a generic telecommunications cabling system for commercial buildings that will support a multi-product, multi-vendor environment

Product Code 3 Apr, 2001 COMMITTEE: TR-42 \$149.00

TIA/EIA-568-B.1-1

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 1 - Minimum 4-Pair UTP and 4-Pair ScTP Patch Cable Bend Radius (ANSI/TIA/EIA-568-B.1-1-2001)

This addendum applies to minimum 4-pair unshielded twisted-pair (UTP) and 4-pair screened twisted-pair (ScTP) patch cable bend radius

Product Code 3 Apr, 2001 COMMITTEE: TR-42 \$34.00

TIA-568-B.1-2

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 2 - Grounding and Bonding Requirements for Screened Balanced Twisted-Pair Horizontal Cabling (ANSI/TIA/EIA-568-B.1-2-2001)

This addendum specifies additional requirements for grounding (earthing) and bonding of installed screened balanced twisted-pair horizontal cables and connecting hardware used within a commercial building environment

Product Code 3 Apr, 2001 COMMITTEE: TR-42.1 \$45.00

TIA-568-B.1-3

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 3 - Supportable Distances and Channel Attenuation for Optical Fiber Applications by Fiber Type (ANSI/TIA/EIA-568-B.1-3-2003)

This addendum applies to the supportable distances and channel attenuation for optical fiber applications by fiber type

Product Code 3 Feb, 2003 COMMITTEE: TR-42.1 \$40.00

TIA-568-B.1-4

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 4 - Recognition of Category 6 and 850 nm Laser-Optimized 50/125 µm Multimode Optical Fiber Cabling (ANSI/TIA/EIA-568-B.1-4-2003)

This addendum recognizes balanced twisted pair category 6 cabling and 850 nm laser-optimized 50/125 µm multimode optical fiber cable

Product Code 3 Feb, 2003 COMMITTEE: TR-42.8 \$45.00

TIA-568-B.1-5

Commercial Building Telecommunications Cabling Standard - Part 1: General Requirements - Addendum 5 - Product Code 3

\$61.00

TIA/EIA-568-B.2

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Cabling Components (ANSI/TIA/EIA-568-B.2-2001)

This document specifies cabling components, transmission, system models, and the measurement procedures needed for verification of balanced twisted pair cabling

Product Code 3 Apr, 2001 COMMITTEE: TR-42 \$38.00

TIA/EIA-568-B.2-1

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 1 - Transmission Performance Specifications for 4-Pair 100 Ohm Category 6 Cabling (ANSI/TIA/EIA-568-B.2-1-2002)

This document specifies requirements for insertion loss, near-end crosstalk (NEXT) loss, equal level far-end crosstalk (ELFEXT), return loss, propagation delay, and delay skew requirements for 100 Ohm 4-pair category 6 cabling, cables, and connecting hardware

Product Code 3 Apr, 2001 COMMITTEE: TR-42.7 \$115.00

WIRING/CABLING (cont.)

TIA/EIA-568-B.2-2

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted-Pair Cabling Components - Addendum 2 (ANSI/TIA/EIA-568-B.2-2-2001)

This document provides corrections to the 568-B.2.

Product Code 3 Apr, 2001 COMMITTEE: TR-42 \$32.00

TIA/EIA-568-B.2-3

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Cabling - Addendum 3 - Additional Considerations for Insertion Loss and Return Loss Pass/Fail Determination (ANSI/TIA/EIA-568-B.2-3-2002)

The purpose of this addendum is to add clause I.2.5 to TIA/EIA-568-B.2

Product Code 3 Apr, 2001 COMMITTEE: TR-42.7 \$38.00

TIA/EIA-568-B.2-4

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 4 - Solderless Connection Reliability Requirements for Copper Connecting Hardware (ANSI/TIA/EIA-568-B.2-4-2001)

This document specifies solderless connection reliability requirements for copper connecting hardware used in commercial building telecommunications

Product Code 3 Apr, 2001 COMMITTEE: TR-42.7 \$40.00

TIA-568-B.2-5

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 5 - Corrections to TIA/EIA-568-B.2 (ANSI/TIA-568-B.2-5-2003)

The purpose of this addendum is to correct certain references in TIA/EIA-568-B.2

Product Code 3 Jan, 2003 COMMITTEE: TR-42.7 \$38.00

TIA-568-B.2-6

Commercial Building Telecommunications Cabling Standard - Part 2: Balanced Twisted Pair Components - Addendum 5 - Category 6 Related Component Test Procedures (ANSI/TIA-568-B.2-6-2003)

This purpose of this addendum contains refinements and enhancements to the measurement methods specified for category 6 components

Product Code 3 Dec, 2003 COMMITTEE: TR-42.7 \$35.00

TIA/EIA-568-B.3

Commercial Building Telecommunications Cabling Standard - Part 3: Optical Fiber Cabling Components Standard (ANSI/TIA/EIA-568-B.3-2000)

This document specifies the component and transmission requirements for an optical fiber cabling system (e.g., cable, connectors)

Product Code 3 Mar, 2000 COMMITTEE: TR-42 \$64.00

TIA/EIA-568-B.3-1

Commercial Building Telecommunications Cabling Standard - Part 3: Optical Fiber Cabling Components Standard - Addendum 1 - Additional Transmission Performance Specifications for 50/125 um Optical Fiber Cables (ANSI/TIA/EIA-568-B.3-1-2002)

This addendum specifies additional component and transmission requirements for a 50/125 um optical fiber cable capable of supporting 10 Gb/s serial transmission up to 300 m (984 ft) using 850 nm nominal wavelength lasers.

Product Code 3 Mar, 2000 COMMITTEE: TR-42.8 \$40.00

TIA/EIA-569-A

Commercial Building Standard for Telecommunications Pathways and Spaces (ANSI/TIA/EIA-569-A-98)

This document encompasses telecommunications considerations both within and between buildings. The aspects covered are the pathways into which telecommunications media are placed and the rooms and areas associated with the building used to terminate media and install telecommunications equipment.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$271.00

TIA/EIA-569-A-1

Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 1 (ANSI/TIA/EIA-569-A-1-2000)

This addendum defines the surface raceways contained in the work area outlets.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$36.00

TIA/EIA-569-A-2

Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 2 (ANSI/TIA/EIA-569-A-2-2000)

This addendum defines the furniture pathways and spaces contained in work areas.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$34.00

TIA/EIA-569-A-3

Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 3 (ANSI/TIA/EIA-569-A-3-2000)

This addendum provides information on access flooring systems.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$34.00

TIA/EIA-569-A-4

Commercial Building Standard for Telecommunications Pathways and Spaces, Addendum 4 (ANSI/TIA/EIA/569-A-4-2000)

This addendum provides information on poke-thru device that allows penetration of above-grade concrete floors and steel decks.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$34.00

WIRING/CABLING (cont.)

TIA/EIA-569-A-5

Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 5 - In Floor Systems (ANSI/TIA/EIA-569-A-5-2001)

This addendum is to replace subclause 4.2, underfloor pathways, of ANSI/TIA/EIA-569-A.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$55.00

TIA/EIA-569-A-6

Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 6 - Multi-Tenant Pathways and Spaces (ANSI/TIA/EIA-569-A-6-98)

This addendum provides information on pathways and spaces in multi-tenant commercial office buildings.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$57.00

TIA/EIA-569-A-7

Commercial Building Standard for Telecommunications Pathways and Spaces - Addendum 7 - Cable Trays and Wirelines (ANSI/TIA/EIA-569-A-7-2001)

This addendum replaces Subclause 4.5, Cable Trays and Wirelines, it modifies the standard to clarify industry issues with cable fill for cable trays systems.

Product Code 3 Feb, 1998 COMMITTEE: TR-42 \$38.00

TIA/EIA-570-A-2

Residential Telecommunications Cabling Standard - Addendum 2 - Control Cabling for Residences (ANSI/TIA/EIA-570-A-2-1999)

This addendum focuses on control cabling for residences

Product Code 3 Sept, 1999 COMMITTEE: TR-42.2 \$43.00

TIA/EIA-606-A

Administration Standard for Commercial Telecommunications Infrastructure

This document provides the user of this document with guidelines and choices of classes of administration for maintaining telecommunications infrastructure.

Product Code 3 May, 2002 COMMITTEE: TR-42.6 \$115.00

TIA/EIA-758

Customer-Owned Outside Plant Telecommunications Cabling Standard (ANSI/TIA/EIA-758-99)

This document provides requirements used in the design of the telecommunication pathways and spaces, and the cabling installed between buildings or points in a customer-owned campus environment. Customer-owned campus facilities are typically termed "outside plant" (OSP). For the purpose of this standard, they are termed "customer-owned OSP".

Product Code 3 Apr, 1999 COMMITTEE: TR-42 \$109.00

TIA/EIA-758-1

Customer-Owned Outside Plant Telecommunications Cabling Standard, Addendum 1 (ANSI/TIA/EIA-758-1-1999)

This addendum adds a new paragraph to Subclause 4.5, a new Subclause 6.3.5, and an Informative Annex C.

Product Code 3 Apr, 1999 COMMITTEE: TR-42 \$38.00

TIA/EIA-862

Building Automation Systems Cabling Standard for Commercial Buildings (2002)

This document specifies a generic cabling system for building automation systems (BAS) used in commercial buildings that will support a multi-product, multi-vendor environment. It also provides information that may be used for the design of BAS products for commercial enterprises.

Product Code 3 Apr, 2002 COMMITTEE: TR-42.1 \$74.00

TSB-110

Residential Gateway

This document promotes industry comments on the minimum application, features, and operational parameters of a Residential Gateway (RG).

Product Code 3 Dec, 1999 COMMITTEE: TR-41.5 \$51.00

TSB-125

Guidelines for Maintaining Optical Fiber Polarity Through Reverse Pair Positioning

This document is intended to provide additional information for maintaining optical fiber polarity through reverse pair positioning

Product Code 3 June, 2001 COMMITTEE: TR-42 \$43.00

TSB-153

Static Discharge Between LAN and Data Terminal Equipment

This document includes background information on ESD properties of different cable categories and provides installation guidelines to mitigate electrostatic discharge effects in balanced twisted pair cabling systems

Product Code 3 Nov, 2003 COMMITTEE: TR-42.1 \$36.00

TIA/EIA-854

A Full Duplex Ethernet Specification for 1000 Mbit/s (1000BASE-TX) Operating Over Category 6 Balanced Twisted-Pair Cabling (ANSI/TIA/EIA-854-2001)

This document specifies a 1000BASE-TX PHY layer as defined in the ISO/IEC Open Systems Interconnection (OSI) reference model.

Product Code 3 May, 2001 COMMITTEE: TR-41.5 \$71.00

WIRING/CABLING (cont.)

GROUNDING AND BONDING

J-STD-607-A

Commercial Building Grounding and Bonding Requirements for Telecommunications (ANSI/J-STD-607-A-2002)

"Commercial Building Grounding and Bonding Requirements for Telecommunications," also known as TIA/EIA-607, can be utilized with or without prior knowledge of the telecommunications systems installed in the building. This Standard supports a multivendor, multiproduct environment, as well as the grounding practices for various systems that may be installed on customer premises. TIA/EIA-607 will be useful to manufacturers of telecommunications equipment, purchasers, installers, or operators of equipment and devices for specifying the exact interface points between the building grounding systems and the telecommunications equipment grounding configuration, and for specifying building grounding configurations needed to support this equipment. TIA/EIA-607 will also help building owners and developers who want to build an advanced technology structure that is compatible with modern telecommunications equipment.

Product Code 3 Oct, 2002 **COMMITTEE: TR-41.7**
\$74.00

OPTICAL FIBER SYSTEMS DESIGN

TSB-140

Additional Guidelines for Field Test Length, Loss and Polarity of Optical Fibers

This document describes field-testing of length, optical attenuation and polarity in optical fiber cabling using an optical loss test set

Product Code 3 Feb, 2004 **COMMITTEE: TR-42.8**
\$61.00

RESIDENTIAL

TIA/EIA-570-A

Residential Telecommunications Cabling Standard (ANSI/TIA/EIA-570-A-99)

This document standardizes requirements for residential telecommunications cabling. These requirements are based on the facilities that are necessary for existing and emerging telecommunications services.

Product Code 3 Sept, 1999 **COMMITTEE: TR-42.2**
\$87.00

TIA/EIA-570-A-1

Residential Telecommunications Cabling Standard - Addendum 1 - Security Cabling for Residences (ANSI/TIA/EIA-570-A-1-2002)

This addendum provides recommendations and specifications for security cabling systems in residences. It contains references to national and international standards

Product Code 3 Sept, 1999 **COMMITTEE: TR-42.2**
\$45.00

TIA/EIA-570-A-3

Residential Telecommunications Cabling Standard - Addendum 3 - Whole-Home Audio Cabling for Residences (ANSI/TIA/EIA-570-A-3-2002)

This addendum focuses on whole-home audio cabling to support high-quality stereo to various rooms or areas throughout the residence.

Product Code 3 Sept, 1999 **COMMITTEE: TR-42.2**
\$45.00