

RFP C000522-PR – Network Cabling Services Periodic Recruitment  
Exhibit A  
Cabling Industry Standards Guidelines

**Industry Standard/Codes**

***The following is a non-exhaustive list of the various voice and data network cabling industry standard guidelines, which may be applicable when the Contractor is performing services under the contract. The Contractor must adhere to any applicable and updated standards for the term of the contract.***

Insulated Cable Engineers Association (ICEA)

ANSI/ICEA S-80-576-2002, Category 1 & 2 Individually Unshielded Twisted-Pair Indoor Cables for Use in Communications Wiring Systems, 2002

ANSI/ICEA S-84-608-2002, Telecommunications Cable, Filled Polyolefin Insulated Copper Conductor, 2002

ANSI/ICEA S-90-661-2002, Category 3, 5, & 5e Individually Unshielded Twisted-Pair Indoor Cable for Use in General Purpose and LAN Communication Wiring Systems, 2002

ANSI/NEMA WC 66/ICEA S-116-732, Standard for Category 6 and 6A, 100 Ohm, Individually Unshielded Twisted Pairs, Indoor Cables (With or Without an Overall Shield) for use in LAN Communication Wiring Systems, 2019

National Fire Protection Association (NFPA)

NFPA 70, National Electrical Code® (NEC®), 2008

NFPA 70E, Standard for Electrical Safety Requirements for Employee Workplaces, 2004

NFPA 72, National Fire Alarm Code®, 2007

NFPA 75, Standard for the Protection of Electronic Computer/Data Processing Equipment, 2009

NFPA 76, Recommended Practice for the Fire Protection of Telecommunications Facilities, 2009

NFPA 90A, Standard for the Installation of Air Conditioning and Ventilating Systems, 2009

NFPA 101, Life Safety Code®, 2006

NFPA 255, Standard Method of Test of Surface Burning Characteristics of Building Materials, 2006

NFPA 262, Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces, 2007

NFPA 780, Standard for the Installation of Lightning Protection Systems, 2004

NFPA 5000™, Building Construction and Safety Code, 2006

Telecommunications Industry Association (TIA)

ANSI X3T9.5, Requirements for UTP at 100 Mbps

TIA TSB-125, Guidelines for Maintaining Optical Fiber Polarity Through Reverse-Pair Positioning, 2001

TIA TSB-140, Additional Guidelines for Field-Testing Length, Loss and Polarity of Optical Fiber Cabling Systems (2004)

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Cabling Industry Standards Guidelines

TIA-526-7, Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant – OFSTP-7

T-526-14-A, Optical Power Loss Measurements of Installed Multimode Fiber Cable Plant – SFSTP-14

ANSI/TIA/568 Commercial Building Telecommunications Cabling Standards, current version

TIA-568-C.0, Generic Telecommunications Cabling for Customer Premises, 2009

TIA-568-C.1, Commercial Building Telecommunications Cabling Standard Part 1: General Requirements, 2009

TIA-568-C.2, Commercial Building Telecommunications Cabling Standard—Part 2: Balanced Twisted Pair Cabling Components, 2008

TIA-568-C.3, Optical Fiber Cabling Components Standard, 2008

TIA-569-B, Commercial Building Standards for Telecommunications Pathways and Spaces, 2004

TIA-569-B-1, Commercial Building Standard for Telecommunications Pathways and Space – Addendum 1 – Temperature and Humidity Requirements for Telecommunications Spaces, 2009

ANSI/TIA-598-C, Optical Fiber Cable Color Coding, 2005

ANSI/TIA-604.2-A, FOCIS 2—Fiber Optic Connector Intermateability Standard, 2003

TIA-606, Administration Standard for Commercial Telecommunications Infrastructures, 2008

ANSI J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications, 2002

ANSI/TIA-758-A, Customer-owned Outside Plant Telecommunications Infrastructure Standard, 2005

ANSI/TIA-854, A Full Duplex Ethernet Specification for 1000 Mb/s (1000BASE-TX) Operating over Category 6 Balanced Twisted-Pair Cabling, 2001

TIA-862, Building Automation Systems Cabling for Commercial Buildings, 2002

TIA-942, Telecommunications Infrastructure Standard for Data Centers, 2005

ANSI/NECA/BICSI 568-2006, Standard for Installing Telecommunications Systems, 2006

Category TSB-155, Guidelines for the Assessment and Mitigation of Installed 6 Cabling to Support 10GBASE-T, 2007

ANSI/NECA/GICSI-568-2006, Standard, Installing Commercial Building Telecommunications Cabling

BICSI Outside Plant Design Reference Manual (OSPDRM), current edition.

BICSI Electronic Safety and Security Design Reference Manual (ESSDRM), current edition

BICSI Information Technology Systems Installation Methods Manual (ITSIMM), current edition

BICSI Network Design Reference Manual (NDRM), current edition

BICSI Telecommunications Distribution Methods Manual (TDMM), current edition

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BICSI Wireless Design Reference Manual (WDRM), current edition

Institute of Electrical and Electronic Engineers (IEEE)

National Electrical Manufacturers Association (NEMA)

Underwriters Laboratories (UL) Cable Certification and Follow Up Program