

STATE TELECOMMUNICATIONS MANAGEMENT MANUAL

State of California Department of Technology		Statewide Telecommunications and Network Division
Category: Cable, Fiber, and Wire Management	Chapter Title: Uniform Building Cabling/Wiring Guidelines	Chapter Number: 0601.0

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PURPOSE

The purpose of this section is to define the standards and practices applicable to telecommunications cabling and spaces within state buildings.

POLICY

Recommended standards for telecommunications cabling, pathways and spaces are available in the American National Standard Institute Electronics Industry Association and the Telecommunications Industry Association (ANSI EIA/TIA) 568 Standard Set. The Department of Technology, Statewide Telecommunications and Network Division (STND) recommends the use of this standard in state owned and also, where feasible, in leased facilities.

In addition, STND can review, and provide recommendations of both existing telecommunications systems and facilities, as well as for systems in new construction.

STND recommends that agencies consult the most current edition of the EIA/TIA Standard Set prior to specifying any systems or configurations in new construction. In addition, Building Industry Consulting Service International (BICSI) publishes an extensive set of practices which are useful in conjunction with the EIA/TIA standards. Please see Appendix for applicable standards for State telecommunications installations.

Agencies requiring further information on standards and practices for telecommunications cabling should contact their Agency Telecommunications Representative (ATR) or STND directly at 916.657.9150.

REFERENCE

Governor's Reorganization Plan No. 2 (GRP2) [Government Code Sections 11534-11543](#)

APPENDIX

The following is a list of applicable standards for State telecommunications installations.

- EIA/TIA 568-B Telecommunications Wiring for Commercial Buildings
- EIA/TIA 569-A Standard for Telecommunications Pathways and Spaces
- EIA/TIA 570 Residential and Light Commercial Telecomm Wiring Standards
- EIA/TIA 606 Admin. Standard for the Telecomm Infrastructure in Buildings
- EIA/TIA 607 Grounding and Bonding of Communication Systems
- EIA/TIA 758 Customer Owned Outside Plant Cabling
- EIA/TIA TSB-36 Additional Specs for Unshielded Twisted Pair Cables
- EIA/TIA TSB-40 Additional Specs for UTP Connecting Hardware
- EIA/TIA TSB-67 Transmission Performance Specifications for Field Testing of Twisted-Pair Cabling Systems
- EIA/TIA TSB-72 Centralized Fiber Cabling Guidelines
- EIA/TIA TSB-75 Additional Horizontal Cabling Practice for Open Offices
- BICSI Telecommunications Distribution Methods Manual (TDMM)
- ASTM E 814-00 Fire Tests of Through Penetration Fire Stops
- NFPA 221 Standard for Firewalls and Fire Barrier Walls
- National Electric code (NEC) Sections 250 and 800
- NFPA 780 Standard for the Installation of Lightning Protection
- NFPA 75 Standard for the Protection of Electronic Computer/Data Processing Equipment
- ANSI/IEEE Std 1100 Recommended Practices for Powering and Grounding Sensitive Electronic Equipment in Commercial Power Systems
- Code of Federal Regulations-FCC 47 Part 68-Connection to the PSTN