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## FUNDAMENTALS OF VOICE & DATA CABLING CHAPTER 6 STUDY GUIDE

1. What do we mean by structured cable systems (SCS) and what do they provide for?

505 - integrated cable plans developed by specific companies

Mandardized making & layout connection interfaces uniform design computability, open architecture becomed maintainance costs training

2. What three things should you make sure you're in compliance with when designing or updating a network?

Standards

- 4. What is the order that codes take precedence?

local - tate - national - international

5. What organization developed the 802 standards?

TEFE

6. Fill in the table below:

Number	Standards for:
802.1	standards
802.2	LLC
802.3a	CSMA/CO
802.3	Thernet
802.5	Tokay ring
802.8	kiles
802.10	LAW MAN occurty
802.11	pincles that
802.11b	WIFI

7. What does it mean when there's a letter after an 802 standard number?

8. Describe the various parts and what they mean in the following wire standard: 10Base5

9. Identify what type of cable is described by the following wiring standards and what kind of network it's used in:

Wiring Standard	Cable type/description	Used in this type of network normally
10Base2	Wagnil	bus/bus
10Base5	consid	bus/bus
10BaseT	twisted paid - uses 2 pairs	star/bus
100BaseTX	UTP - mass 2 mais	star/bus
100BaseFX	liber - a biloer	full duplex

10. What type of medium does FDDI networks use? Token Ring?

physical logical

11/What are the two types of logical topologies? Identify which physical topologies normally use which logical topologies.

12. Who accredits TIA and EIA to develop industry standards for telecommunication equipment, cabling, etc.?

13. Briefly describe what each of the following standards cover:

Standard	Description
TIA/EIA 568-A	Commercial Building Standard Lord Telecom Wiring
TIA/EAI 568-B	Colling Standards
TIA/EIA 569-A	Connercial Brilding Standard for Telecon Puthways of Spaces
TIA/EIA 570 - A	Residential + Light Connexial Telecom Wirms Standard
TIA/EIA 606	Residential + Light Commercial Telecom Virine Standard Administration Standard for the Telecom Infrastructure for Commercial Billings
TIA/EIA 607	Connercial Building Grounding & Bonding Requirements for Telecom

14. What is ANSI?

15. What is ISO?

16. What is the OSI model? Who developed it?

## 17. Identify the following organizations:

Organization	Name
ECA	Destronic components, assemblies + meteriles association
CEA	(more me) Le transier instruction
GEIA	governmental electronics of information technology
JEDEC	joint elatrion. device engineering sourceil
NEMA	national eleterial numbertures association
IEC	9
UL	
OSHA	
NEC	
NFPA	
CEC	
CSA	
JISC	
JSA	
ACA	
ACIF	
NECA	
SA	
EC	
CENELEC	

18. What is the main difference between Cat 5 and Cat 6 cable?

6 is letter, rated to travail more officiantly

19. What does SSTP and PiMF stand for? What category of cable do we associate with these terms?