CTS-I Prep

Test-Taking Strategies

The CTS-I Exam
   The CTS-I
   Test-Taking Strategies

Math Strategies
   The Exam Calculator
   Ohm’s Law

Pre-Installation Activities

Planning
   Project Planning
   Jobsite Survey
   Jobsite Safety
   AV Tools

AV Documentation
   Using a Scale
   Using Ratios
   Reading Architectural Drawings

CTS-I Practice Exam 1
   Pre-Installation Review
   CTS-I Practice Exam 1
   Next Steps

AV Installation

Cable Essentials
   Cable Identification
   Connector Identification
   Cable Routes
   Cable Pull
   Conduit Capacity
   Cable Termination

Mounting
   Mounting Hardware
   Mounting Types
   Mounting Considerations
Rack Build

Rack Facts
Building a Rack
Wiring a Rack

AV Installation Review

AV Installation Review
CTS-I Practice Exam 2
AV Installation Review: Debrief

AV Verification

Networking

Networked Device Inventory
Networking Components
The OSI Model
Network Connections
Ethernet
AV Data Link Protocols
IP
Address Assignment
Transport Protocol
The Host Layers
Security Technologies
Networking Tools

Control Systems

Introduction to Control
Control System Installation
Control System Verification

Audio Verification: Impedance

Impedance

Audio Verification: Setting Gain

Methods for Setting System Gain
Gain Equipment
Setting Unity Gain
System Optimization Method
Setting Gain Structure with Audio DSPs
Mixer Input Adjustments
Line Input Adjustments
Power Amplifier Adjustments

Audio Verification: Equalization

Equalizers
Measuring Loudspeaker Performance
Testing Methods
The RTA Method
Using Dual-Channel FFT
Finishing the Equalization Process

Video Verification
Video Signals
Digital Video Signal Carriers
Introduction to EDID
EDID Troubleshooting
HDCP
HDCP Device Limits
Lighting for Video Cameras
Color Calibration
Audio/Video Sync

AV Verification Review
AV Verification Review
CTS-I Practice Exam 3
AV Verification Review: Debrief

Conducting System Closeout

Conducting System Closeout
Site Clean-Up
Closeout Documentation
Troubleshooting
Customer Training
Maintain AV Systems

Conducting System Closeout Review
Conducting System Closeout Review
CTS-I Practice Exam 4
Conducting System Closeout Review
Study Contract