

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