CTS-I Prep

Test Taking Strategies

Test-Taking Strategies
The CTS-I Exam
Math Strategies

Pre-Installation Activities

Planning
Project Planning
Jobsite Surveys
Jobsite Safety
Audiovisual Tools

AV Documentation
Using a Scale
Using Ratios
Reading Architectural Drawings

CTS-I Practice Exam 1
Pre-Installation Review
CTS-I Practice Exam 1
Pre-Installation Review: 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
- Internet Protocol (IP)
- Address Assignment
- Transport Protocol
- The Host Layers
- Security Technologies
- Networking Tools

Control Systems
- Introduction to Control
- Types of Control Systems
- Control System Installation
- Control System Verification

Audio Verification: Impedance
- Impedance
Audio Verification: Setting Gain
Methods for System Gain
Gain Equipment
Setting Unity Gain
System Optimization Method
Setting Gain Structure with Audio DSP’s
Mixer Input Adjustments
Microphone 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 DisplayID/EDID
EDID Troubleshooting
Digital Rights Management
HDCP Device Limits
Lighting for Video Cameras
Color Calibrations
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: Debrief
  Study Contract Activity