

Appendix A: CTS-I Exam Content Outline

The AVIXA CTS-I job description as established by the Job Task Analysis is as follows:

A Certified Technology Specialist-Installation (CTS-I) uses management techniques to conduct pre-installation activities and site rough-in, install AV systems, perform system close-outs, and conduct ongoing project responsibilities to provide the best AV solutions for clients' needs, on time and within budget. A minimum of two years' industry experience accompanies the theoretical and practical competencies

The CTS-I exam specifications were developed by combining the importance, criticality, and frequency data obtained from the Job Task Analysis study. The resulting data were converted to percentages and the percentages were used to determine the number of questions related to each domain and task that should appear on the multiple-choice CTS-I examination. The test specifications in the table below list how many questions are included in each Domain and Task and the percentage of the test included in each domain. The Job Task Analysis Final Report can be downloaded at www.AVIXA.org/ctsi under "CTS-I Resources."

CTS-I Duties and Tasks	% of Exam	# of Items
Duty A: Conducting Pre-Installation Activities	20%	20
Task 1: Review Audiovisual Project Documentation	4%	4
Task 2: Conduct Technical Site Survey	4%	4
Task 3: Prepare for Audiovisual Installation	4%	4
Task 4: Evaluate Overall Facility Readiness	4%	4
Task 5: Conduct On-Site Preparations for Installation	4%	4
Duty B: Conducting Site Rough-In/First-Fix	10%	10
Task 1: Deinstallation of Existing Equipment and Cabling	2%	2
Task 2: Mount Substructure	4%	4
Task 3: Pull Cable	4%	4
Duty C: Installing Audiovisual Systems	38%	38
Task 1: Assemble AV Rack	4%	4
Task 2: Wire the AV Equipment Rack	5%	5
Task 3: Distribute AV Equipment	4%	4
Task 4: Mount AV Equipment	4%	4
Task 5: Terminate Cables	5%	5
Task 6: Configure Network Properties of Equipment	4%	4
Task 7: Load Configuration and Control Programs	4%	4
Task 8: Test the AV System	4%	4
Task 9: Calibrate the AV System	4%	4
Duty D: Perform Systems Close Out	11%	11
Task 1: Demonstrate to Client or Client's Representative that System Performs to Specifications	4%	4
Task 2: Provide Training on System Operation	4%	4
Task 3: Obtain Project Completion Sign Off from Client or Client's Representative	3%	3
Duty E: Conducting Ongoing Project Responsibilities	21%	21
Task 1: Complete Progress Reports	3%	3
Task 2: Coordinate with Other Contractors	4%	4
Task 3: Address Needed Field Modifications	4%	4
Task 4: Repair AV Systems	3%	3
Task 5: Maintain AV Systems	3%	3
Task 6: Maintain Tools and Equipment	4%	4
Total	100%	100

NOTE: Applicants and stakeholders should download the most up-to-date free edition of the CTS-I Candidate Handbook that may include important policy and procedure updates by going to the AVIXA website at www.AVIXA.org.
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