

CEDIA EXAM PREP RESOURCES

This guide shows the various resources which are available year-round to prepare for the CEDIA ESC certification exam. For this exam the “[Fundamentals of Residential Electronic Systems](#)” book can be used as the primary resource, and chapters are listed here for every knowledge area on the job task analysis (exam blueprint). Online courses and other resources may be used to enhance knowledge related to some topics, when an alternative learning option or more in-depth knowledge is desired.



KEY TO ABBREVIATIONS:

F-RES = [CEDIA FUNDAMENTALS OF RESIDENTIAL ELECTRONIC SYSTEMS](#), FOLLOWED BY /#, INDICATING CHAPTER NUMBER

ESPA = ELECTRONIC SYSTEMS PROFESSIONAL ALLIANCE (US ONLY) OFFERS BASIC EST TRAINING VIA SCHOOL PROGRAMS, AND BOOKS

DOMAIN I: INDUSTRY OVERVIEW & FUNDAMENTALS	Online Resource	Book/Chapter
Knowledge Area 1: Introduction to the Industry		F-RES/1
	Career in Audio/Video: Stop Dreaming About It and Make It Happen! Recorded Webinar	
	Size & Scope of the Residential Electronic System Market (2016)	
Knowledge Area 2: Jobsite and Business Professionalism		F-RES/2
	Safety Tips and Regulations for Electronic Systems Professionals	

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Knowledge Area 3: Industry Related Math		F-RES/4
	Basic Math and Terminology for Technicians (EST108.B)	
Knowledge Area 4: Fundamentals of Jobsite Safety, Codes, and Standards		F-RES/5
	ESPA Certification Training www.espa.org	
	2017 NEC Updates and The Home Technology Professional Recorded Webinar	
	Network Cabling Infrastructure (EST233)	
Knowledge Area 5: The Business of Residential Technologies		F-RES/3
	Customer Service Basics (ESCR101)	
	Introduction to Project Management (ESPM101)	
	Introduction to Sales (ESCR100)	
	Recurring Revenue Recorded Webinar Series	
	Business Toolkit Recorded Webinar Series	
	Increasing Profits Recorded Webinar Series	

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DOMAIN II: INFRASTRUCTURE	Online Title	Book/Chapter
Knowledge Area 1: Pre-wire Phase		F-RES/6
	Cable & Connector Properties (EST105.B)	
	ESPA Certification Training www.espa.org	
Knowledge Area 2: Trim-out Phase		F-RES/7
	Network Cabling Infrastructure (EST233)	
DOMAIN III: EQUIPMENT INSTALLATION	Online Title	Book/Chapter
Knowledge Area 1: Racks & Cabinets		F-RES/8
Knowledge Area 2: Equipment Mounting		F-RES/8
	Retrofit Installation (EST308)	
DOMAIN IV: SUB SYSTEMS OVERVIEW	Online Title	Book/Chapter
Knowledge Area 1: Audio		F-RES/9-10
	Audio Technologies for Technicians (EST225)	
	Fundamentals of Distributed Audio Systems (ESD211)	

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Knowledge Area 2: Video		F-RES/11
	Video Display Technologies for Technicians (EST211)	
	Understanding Ultra HD/4K Technology (ESD0034)	
	HDMI Fundamentals Compilation White Paper	
Knowledge Area 3: Home Theater/Media Room		F-RES/12
	Fundamentals of Home Theater Design (ESD131)	
Knowledge Area 4: Networking		F-RES/13
	IP for Technicians (EST243)	
Knowledge Area 5: Other Sub-systems		F-RES/14-17
	Fundamentals of Residential Security Systems (EST270)	
Knowledge Area 6: Systems Control		F-RES/19
	Introduction to Control and User Interfaces (EST162)	
Knowledge Area 7: Power Quality & Management		F-RES/18
	Power Quality & Conditioning (EST304)	
Knowledge Area 8: Final System Calibration, Testing, and Commissioning		F-RES/20

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YOU MAY WISH TO EXPLORE CERTAIN TOPICS IN MORE DETAIL BECAUSE THEY INTEREST YOU, OR TO START PREPARING FOR HIGHER CERTIFICATIONS. SHOWN HERE ARE SOME ADDITIONAL RESOURCES THAT MIGHT INTEREST YOU.

Standardizing the Business Model	Wash, Rinse, Repeat: Standardizing Your Business Model	
Misc. Business Topics	All Business-related Publications (Total = 10)	
Sales	Influencing Your Buyer	
Accounting	Financial Statements	
Accounting	Creating a Breakeven Analysis	
Profitability	Increasing Profits Series (Total = 8)	
Broadband Infrastructure	Gigabit+ Infrastructure: Building the Future with Fiber Optic and CAT6a Cabling Recorded Webinar	
Broadband Infrastructure	Fiber Optic Cable Reference Documents (Total = 5)	
Video Distribution	HDCP 2.2 Recorded Webinar Series	
Video Distribution	The Essential Download on AV over IP Recorded Webinar	
Retrofit Threats	Monsters in the Attic (And Elsewhere): The Unseen Threats of Retrofit Projects	
Surround Sound Standards	Color Code for Surround Sound Channels	
Wireless Networking	Wireless Network Technologies	