



CALIFORNIA APPRENTICESHIP COUNCIL

Voice-Data-Video Industry Advisory Committee

Sound and Communication / VDV

Minimum Industry Training Criteria

O*NET CODE 49-2022.00

Revised August 2020

Sound and Communications / VDV Industry
Minimum Training Criteria
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1. Length of Training

Program sponsors shall establish a minimum of a three (3) year program of not less than 4,800 hours of on-the-job training.

2. Related Supplemental Instruction

The required prescribed courses of related and supplemental instruction shall be no less than 150 hours per year. This instruction must include at a minimum the related and supplemental training processes listed in Exhibit "A".

3. On-the-Job Training

Skills to be learned: See Exhibit "B".

4. Competency Testing

All apprentices must pass a competency test prior to the time of their advancement to the next higher level. The tests shall be based on all Related and Supplemental Instruction and manipulative skills test based on laboratory assignments. Periodic testing shall be done during each level of coursework and apprentices shall not advance to the next level unless they have achieved an average score of 70% or higher. Tests shall be based on all Related and Supplemental Instruction and laboratory assignments.

5. Completion Percentages

Program sponsors must have a graduation rate of at least 50% of the average completion rate for the applicable trade, or 45%, whichever is greater of all apprentices that satisfactorily complete the first year of the program.

6. Revisions

The schedule for revisions to the Sound and Communications Industry Training Criteria shall be in accordance with Labor Code Section 212.01

EXHIBIT “A”

Related and Supplemental Instruction Topics

- 1 Safety, OSHA 10 & 30 First Aid/CPR/AED
- 2 Anti-Harassment Training
- 3 DC Theory
- 4 AC Theory
- 5 Codes, Standards, Installation Practices
- 6 Title 24 Awareness and Sustainability Best Practices
- 7 Construction Documentation and Communication (physical and electronic)
- 8 Audio Visual Systems
- 9 Video Surveillance Systems
- 10 Fiber Optics
- 11 Fire Alarm / Mass Notification and Life Safety
- 12 Grounding and Bonding
- 13 Network Systems
- 14 CATV/SATV
- 15 Master Clock Systems
- 16 Nurse Call Systems
- 17 Intercom, Paging and Sound Reinforcement Systems
- 18 Power Supplies and Power Conditioning
- 19 Metering, Testing Equipment and Troubleshooting
- 20 Wireless Communications
- 21 DAS (Distributed Antenna Systems)
- 22 Security and Access Control Systems
- 23 Electronic Device Literacy
- 24 Structured Cabling
- 25 Telephony and Voice Communication
- 26 Fundamentals of Programming
- 27 Mobile Work Platforms
- 28 Internet of Things (IoT)
- 29 Interpersonal, Supervisory and Leadership Skills

EXHIBIT “B”

Work Processes

- A. Project Planning and Initiation
- B. Material Handling
- C. Establishing OSHA and Customer Safety Requirements
- D. Component Installation
- E. Wire and Cable Installation
- F. Splicing and Termination
- G. Maintenance and Service
- H. Testing, Commissioning, and Start-Up

Note: Work Processes above are applied to the Related and Supplemental Instruction topics contained in this MITC.

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