Sound and Communication / VDV

Minimum Industry Training Criteria

O*NET CODE  49-2022.00
Sound and Communications / VDV Industry
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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”. Additional focus on environmental awareness, energy efficiency, renewable and sustainable resources and recycling has been added in this 2010 revision.

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 45% graduation rate 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

For Sound and Communications / VDV Industry Criteria

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RELATED AND SUPPLEMENTAL INSTRUCTION

1. Safety, First Aid/CPR
2. DC Theory
3. AC Theory
4. Codes, Standards, Installation Practices
5. C.C.R. Title 24, Part 11 Cal Green Code
6. Sustainable Jobsite Practices
7. L.E.E.D. Certification / Energy Efficiency
8. Blueprints
9. Conductors – Wire and Cable
10. Audio Visual Systems
11. Closed Circuit Television
12. Fiber Optics
13. Fire Alarm / Life Safety
14. Grounding and Bonding
15. Network Systems
16. MATV/CATV/SATV
17. Master Clock Systems
18. Nurse Call Systems
19. Paging and Mass Notification Systems
20. Power Quality
21. RF Communications
22. Security and Access Control Systems
23. Computer Literacy
24. Sound Reinforcement Systems
25. Structured Cabling
26. Telephony
EXHIBIT “B”

Work Processes

For Sound and Communications / VDV Industry Criteria

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WORK PROCESSES

A. Component Installation
   • Green- Recycling of old components and packaging materials based on the construction site’s waste management plan.

B. Wire and Cable Installation
   • Green- Reduce waste. Use of water based cable pulling lubricants. Caulking penetrations using low (VOC) emitting materials to prevent the spread of fire and increased building energy efficiency.

C. Splicing and Termination
   • Green- Use of water based cable cleaners. Recycling of scrap materials based on construction site’s waste management plan.

D. Maintenance and Service
   • Green- Recycling of old components and packaging materials, use of water based cleaners.

E. Testing, Commissioning, and Start-Up
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The foregoing Criteria is hereby agreed to and adopted

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Kim Briggs  
Rick Hecht  
Dick Johnson  
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Date

9/29/10

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