



## **Installer Level I Classification System**

### **Domain 1 - Wire the Dwelling – 20%**

- Wire/cable types and their applications
- National Electric Code (NEC)
- Structural basics (e.g., drilling studs)
- Basic installation techniques (e.g., opening sizes and device/component placements, etc.)
- Basic wire dress (e.g., final trim lengths, labeling, etc.)
- Safety practices and procedures (including ongoing job site maintenance and cleanliness practices and procedures)
- Outside service provider drops (e.g., Telco, CATV, ISP, etc.)
- Diagrams, documentation and instructions.

### **Domain 2 - Wire/Cable Preparation – 10%**

- Wire/cable types and their applications
- Wire/cable preparation techniques
- Wire/cable/connector tools and their use

### **Domain 3 - Connector Identification – 8%**

- Connector types and their uses

### **Domain 4 - Connector Installation – 12%**

- Wire/cable/connector tools and their use
- Connector installation techniques
- Connector pinout standards
- Diagrams, documentation and instructions.

### **Task 5 - Install and Mount Devices (including, but not limited to, interface devices, control devices, transducers, structural/mechanical devices, mounting devices, aesthetic devices, architectural devices, display devices, etc.) – 20%**

- Wire/cable types and their applications
- National Electric Code (NEC)
- Structural basics (e.g., drilling studs)
- Basic installation techniques (e.g., opening sizes and device/component placements, etc.)
- Safety practices and procedures (including ongoing job site maintenance and cleanliness)

- practices and procedures)
- Connector installation techniques
- Connector pinout standards
- Diagrams, documentation and instructions.

**Task 6 - Install Components/Equipment (including, but not limited to, transducers, displays, lighting fixtures, control components, source components, signal processing, electrical power conditioning and management components, telephony components, data management components, etc.) – 20%**

- Wire/cable types and their applications
- National Electric Code (NEC)
- Structural basics (e.g., drilling studs)
- Basic installation techniques (e.g., opening sizes and device/component placements, etc.)
- Basic wire dress (e.g., final trim lengths, labeling, etc.)
- Safety practices and procedures (including ongoing job site maintenance and cleanliness
- practices and procedures)
- Outside service provider drops (e.g., Telco, CATV, ISP, etc.)
- Wire/cable preparation techniques
- Wire/cable/connector tools and their use
- Connector types and their uses
- Connector installation techniques
- Connector pinout standards
- Thermionic management
- Power management
- Diagrams, documentation and instructions.

**Task 7 - Verify Operations (i.e., verify that all subsystems and controls function and list exceptions) – 10%**

- Safety practices and procedures (including ongoing job site maintenance and cleanliness
- practices and procedures)
- Outside service provider drops (e.g., Telco, CATV, ISP, etc.)
- Basic system operations (e.g., start-up procedures, etc.)
- Diagrams, documentation and instructions.