

TELECOMMUNICATION JOURNEYMAN INSTALLER

Job Description

The person in this position is charged with performing various aspects of the telecommunications construction industry. The person should be capable of performing all of the following specific essential functions:

PROJECT LAYOUT AND PLANNING

- Reading and interpreting blueprints and specification
- Jobsite coordination
- Layout telecommunications cabling systems

UNDERGROUND INSTALLATIONS

- Trenching and ditch digging
- Direct Burial
- Installing telecommunication grounding systems

ROUTING CABLE

- Fastening and support
- Protective sleeves and nipples

TESTING, CERTIFYING AND TROUBLESHOOTING LAN SYSTEMS

- Checking circuit continuity, identifying faults, certifying system operation
- System repair
- Ground verification

SECURITY SYSTEM INSTALLATION

- Blueprint and specification interpretation layout
- Box and circuit installation
- Terminations & Testing

INSTALLING COMMUNICATION AND SOUND SYSTEMS

- Blueprint and specification interpretation layout
- Installing telecommunication panels and network devices circuit installation
- Terminations and testing

INSTALLING AND NETWORKING TELECOMMUNICATION WIRES & CABLES

- Installing and networking between buildings
- Wiring large and small campus systems
- Installing backbones, horizontals, cross-connects and interconnects

TERMINATING WIRES AND CABLES

- Bundled, shielded, unshielded, optical fiber, & twisted pair coaxial cable

SPLICING WIRES AND CABLE

- Optical fiber cable, shielded and unshielded twisted pair, & coaxial cable

SERVICE AND TROUBLESHOOTING

Testing, analysis and repair of video, voice and data installation, electronic devices, LAN circuits and telecommunication devices

MATERIAL HANDLING AND PRE-FABRICATION

Material/equipment awareness
Fabricating for field installation

SAFETY AWARENESS AND OTHER SPECIALIZED AREAS

Safety
Sub-systems: Communications, Entertainment, Environmental Control, Life Safety

TEST CIRCUITS FOR COMPATIBILITY AND INTEGRITY

NOTE: Evolving technology and techniques dictate that additional elements of training will be required.

The diversity of the telecommunications trade requires the person in this position to possess a substantial amount of manual dexterity in precision work – using the body and/or tools and/or equipment to work, move, guide, or place objects and materials, with responsibility for attainment of standards requiring exercise of considerable judgment.

The person must be able to follow verbal and written directions (including the reading of drawings/blueprints), and must be able to analyze and evaluate data.

The person must be capable of talking with and signaling people to convey or exchange information in a demanding environment as described below, and must be able to read and write.

The person must often climb and perform from ladders, scaffolding, and platforms of substantial heights.

The person frequently must stand, bend, kneel, and otherwise work in tiring and uncomfortable positions.

The person frequently must lift and carry tools, equipment, and parts that weigh up to 50 pounds over substantial distances, often on uneven, rough surfaces.

The person must work in bad weather conditions on sites which are often noisy, dirty, unheated, un-cooled, damp, and where often the only sanitary facilities are portable toilets.

The person must possess the ability to understand the transmission of signal, data, voice and his/her role on a dynamic, changing worksite, and must perform without presenting a safety threat to self, co-workers, and other people.