

TELECOMMUNICATION TECHNICIAN  
O\*NET-SOC CODE: 49-2022.00  
RAPIDS CODE: 0618R

WORK PROCESS	APPROX. HOURS OJT
<b>A. PROJECT LAYOUT AND PLANNING</b>	300
Reading and interpreting blueprints and specifications	
Job site coordination	
Layout telecommunication cabling systems	
<b>B. UNDERGROUND INSTALLATIONS</b>	300
Trenching and ditch digging	
Direct Burial	
Installing telecommunication grounding systems	
<b>C. ROUTING CABLE</b>	350
Fastening and support	
Protective sleeves and nipples	
<b>D. TESTING, CERTIFYING &amp; TROUBLESHOOTING LAN SYSTEMS</b>	500
Checking circuit continuity	
Identifying faults	
Certifying system operation	
System repair	
Ground verification	
<b>E. SECURITY SYSTEM INSTALLATION</b>	600
Blueprint and specification interpretation	
Layout	
Box and circuit installation	
Terminations	
Testing	
<b>F. INSTALLING COMMUNICATION AND SOUND SYSTEMS</b>	700
Blueprint and specification interpretation	
Layout	
Installing telecommunication panels and network devices	
Circuit installation	
Terminations and testing	
<b>G. INSTALLING NETWORKING TELECOMMUNICATION</b>	1100
<b>WIRE AND CABLES</b>	
Installing and networking between buildings	
Wiring large and small campus systems	
Installing backbones	
Installing horizontals	
Installing crossconnects and interconnects	

**WORK PROCESS****APPROX. HOURS OJT**

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<b>H. TERMINATING WIRES AND CABLES</b>	<b>400</b>
Bundled cable	
Shielded cable	
Unshielded cable	
Optical fiber cable	
Twisted pair	
Coaxial cable	
<b>I. SPLICING WIRES AND CABLES</b>	<b>400</b>
Optical fiber cable	
Shielded and unshielded twisted pair	
Coaxial cable	
<b>J. SERVICE AND TROUBLESHOOTING</b>	<b>600</b>
Testing, analysis and repair of video, voice and data	
Installations: electronic devices, LAN circuits and	
Telecommunication devices.	
<b>K. MATERIAL HANDLING AND PRE-FABRICATION</b>	<b>250</b>
Material/equipment awareness	
Fabricating for field installation	
<b>L. SAFETY AWARENESS &amp; OTHER SPECIALIZED AREAS</b>	<b>500</b>
Safety	
Sub-Systems:	
Communications	
Entertainment	
Environmental Control	
Life Safety	

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**TOTAL MINIMUM HOURS OF OJT****6,000**

**Enter the Number of Actual Clock Hours (Including Overtime) for Each Category Worked This Month.  
LEAVE OFF Insignificant ZEROS.**

**Project Layout and Planning** - Reading & interpreting blueprints and specifications / Jobsite Coordination / Layout telecommunications cabling systems.

**Security System Installation** - Blueprint and specification interpretation / Layout / Device and circuit installation / Terminations / Identifying faults / Verifying system operation.

**Underground Installations** - Trenching and ditch digging / Direct burial / Installing PVC & Rigid conduit/ Connecting grounding electrode systems

**Installing Communications and Sound Systems** - Blueprint and specification interpretation / Layout / Conduit and box installation / Installing Telecommunications panels and network devices / Circuit installation / Termination and testing.

**Conduit and Raceway Systems** - Fastening & support / Fabrication & Installation.

**Service and Troubleshooting** - Testing, analysis and repair of video, voice and data installations / Electronic devices: gateways, routers, NIC cards and other devices as necessary / LAN circuits and Telecommunication devices.

**Installing, Splicing and Terminating Wires and Cables** - Installing Telecommunications Cables / Terminating Telecommunication cables / Installing Telecommunications splices and taps.

**Material Handling and Prefabrication** - Material and equipment awareness / Fabrication of components for field installation.

**Installing, Testing, Certifying and Troubleshooting LAN Systems** - Installing network components / Checking circuit continuity / Identifying faults / Certifying system operation / Performing system repair / Verification of ground integrity.

**Other Specialized Areas** - (including sub-systems such as: communications, entertainment, environmental, life safety, energy management, custom lighting.)

Total number of hours worked this month.

Of the total number of work hours that were available to you, indicate the number of hours you DID NOT work.

**Indicate below the reason(s) and number of hours for absenteeism. Show hours for ALL that apply:**

Illness, Medical or Injury

Personal

Scheduled Vacation

- OSP MH cabling (fiber/copper)
- OSP MH splicing (fiber/copper)
- OSP/Aireal splice case installation
- Campus cabling/lightning protection installation
- TR room layout
- TR rack/wire mgnt installation
- TR rack layout
- TR rack installation
- TR fiber panel/splice equip installation
- TR fiber panel termination
- TR fiber splice panel termination
- TR cable management hardware installation
- TR copper cable termination at panel
- TR panel labling
- TR bonding/grounding
- WA layout
- WA cbl termination
- OH/UFLR pathway hardware (tray/hangers) installation
- Bonding/Grnding bar installallation
- Pathway bonding

- Cable labling
- Faceplate labling
- Certification testing

- Data Center layout/rackinstallation/cabling/grndg-bonding
- Telephony PBX installation
- Telephony PBX testing
- LAN equipment installation
- Fire Alarm system cabling
- Security Access system cabling
- Security Surveillance system cabling
- Paging/Mass Notification system cabling
- Broadband Coax cabling
- Broadband Coax testing