



Job Brief

Splicing Technician [CWA09]

Report ID : NMIC-RPT.STF.024

Report Date : 12/17/2024 09:47:31 AM PDT

Job Key : 61024110 Job Title : Splicing Technician [CWA09]

GENERAL INFORMATION

Job Brief Date : 04/20/2001
Revised Date : 02/09/2024
Wages : WS12
Time in Title (TNT) : 24 Months
Job Family : Technical-Outside
Business Unit(s) : Network Services
Discipline(s) : Construction
Loop Technology
Maintenance
Network Operations
Radio Operations - Antenna Crew
Region : West Region

GENERAL DUTIES

SOME OF THE TASKS AND DUTIES

- 1) Receives verbal or written daily work assignments and instructions from supervisors/peers and/or dispatch center.
- 2) Loads required tools and material into Company vehicle and travels to work location. Performs routine maintenance and safety checks on Company provided tools, equipment and motor vehicles.
- 3) Reviews and analyzes complex schematic drawings to determine work to be done, methods and sequence of tasks, communicates discrepancies to associated work groups and recommends job design changes.
- 4) Works with small hand tools, mechanical equipment, color-coded and test signal identified wires for the connection and repair of wires and cables to related telecommunications equipment.
- 5) Splices pairs of color-coded or tone identified conductors together by hand, splicing tool or machine, rearranging and reconnecting cable facilities. May also work on digital data circuits or fiber conductors using sensitive equipment.
- 6) Identifies, isolates and repairs various types of cable faults.
- 7) Works with outside contractors during excavation of cable facilities to accomplish service restoration and/or installation of new facilities locating and/or marking buried and underground cable facilities.
- 8) Isolates and locates air pressure leaks in underground cable facilities.
- 9) Uses various electronic test equipment.
- 10) May be required to develop a working knowledge of binary numbering system, digital concepts and fiber optics (light guide).
- 11) May be required to dig with shovel, jackhammer, etc., to find buried trouble.
- 12) May be required to climb non-stepped poles with the use of climbers.
- 13) Uses mechanized system requiring basic computer literacy.
- 14) Communicates with other work groups, customers and vendors on completed work and requests various information regarding new work assignments.
- 15) Must accurately perform time reporting tasks, classify work operations to account codes and explain work changes to the customer.
- 16) Must meet specific quality, production and safety standards.
- 17) Installs, rearranges, repairs and removes communication facilities, which could include inside wiring.
- 18) Customer contact required.
- 19) Will be expected to be the Company's representative and customer's advocate.
- 20) Works with TAN mechanized systems requiring minimal computer literacy.
- 21) May be required to work in both a construction and maintenance environment.

BASIC QUALIFICATIONS

TESTS



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Test Name	Type	Applicability
Technical Mechanical Test-III (TMT III)	Basic	Required

[VIEW TEST GUIDES](#)

PHYSICAL REQUIREMENTS

Must be able to lift up to 100 lbs.
 Ability to perceive differences in wire and conductor colors.
 Ability to hear test set tones for wire and conductor identification.
 * For positions requiring a Class A commercial driver's license, which includes passing a State physical exam, may be required to participate in Federally mandated drug and alcohol testing programs which include a pre-duty and random drug and alcohol testing.

SPECIFICS

Hours
 Usually works an 8 or 10 hour shift. May be scheduled for weekends and holiday work. Shifts are chosen by seniority. Subject to emergency callout and extended periods of mandatory overtime during adverse weather conditions or emergency restorals.

ADDITIONAL FACTORS

Additional Basic Requirements
 The maximum body weight load is 325 lbs.

Required Skills
 This job has Required Skills. See attached Skill Code List.

Skills That May Be Required
 This job has skills that May Be Required. See attached Skill Code List.

TRAININGS

Classroom and/or on-the-job training. Training is evaluative.

ENVIRONMENT

- 1) Exposed to various adverse weather conditions, i.e., cold, rain, snow and heat.
- 2) May work outside aloft on poles, aerial cable leads, ladders, aerial lifts and platforms.
- 3) May work in close proximity to high-voltage transmission lines when working aloft on poles and/or aerial cable leads, in manholes and buried plant and may work in close proximity to various chemicals, i.e., radiation, lead, PCB, etc.
- 4) May work in confined/cramped well ventilated below ground structures for long periods of time such as manholes, splice pits, service boxes and environmental vaults.
- 5) May be exposed to dirt, oil, grease, mud, water and insects.
- 6) Wears safety glasses, hard hat, heeled boots and appropriate safety attire as necessary.
- 7) Performs all assigned work in an effective and efficient manner to meet service deadlines, frequently under pressure.
- 8) May perform repetitive tasks throughout the day.
- 9) Complies with hazardous waste restrictions.
- 10) May be required to work long hours.

SKILLS



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Skill Code	Skill Name	Applicability	Skill Description
C1025	Assembly	Desired	PERFORM A SERIES OF OPERATIONS BY WHICH COMPONENTS ARE ASSEMBLED. CONTROLS OR ASSEMBLES BY SOME MEANS OF FASTENING, INTERLOCKING, MOUNTING OR FITTING PARTS TOGETHER FOR THE PURPOSE OF BRINGING A PRODUCT TO A PARTIAL OR FINAL STAGE OF COMPLETION.
C1763	Binary And/Or Hexadecimal Systems	Desired	PREVIOUS TRAINING OR WORK EXPERIENCE USING BINARY AND/OR HEXADECIMAL NUMBER SYSTEMS.
C1064	Buying	Desired	PURCHASE OF SUPPLIES AND EQUIPMENT IN THE MOST COST-EFFECTIVE MANNER; INVOLVING SOME DIRECT VENDOR AND CLIENT CONTACT.
C1065	Cable Identification	Desired	CORRECTLY IDENTIFIES UNDERGROUND CABLES FROM RECORDS AND UNDERSTANDS THEIR RELATIONSHIP TO EACH OTHER.
C1066	Cable Knowledge	Desired	ABILITY TO SPLICE, MAINTAIN AND PROVIDE NECESSARY SERVICE TO CABLES TO ENSURE UTILIZATION OF THEIR CAPACITY. (INCLUDES ABILITY TO COUNT PAIRS AND RECOGNIZE DIFFERENCE IN TYPES OF CABLES AND KNOWLEDGE OF PATH THROUGH THE NETWORK.)
C1086	Circuitry Knowledge	Desired	UNDERSTANDS THE PRINCIPLES OF TELEPHONE CIRCUITRY IN ORDER TO PROVIDE THE NECESSARY REPAIR OR MAINTENANCE FUNCTIONS. (INCLUDES CIRCUIT CONTROL KNOWLEDGE).
C1106	Communication Skills (Speaking)	Desired	ORALLY TRANSMIT IDEAS, INSTRUCTIONS AND INFORMATION SO THEY ARE CLEARLY UNDERSTOOD BY OTHERS IN FORMAL OR INFORMAL FACE-TO-FACE SITUATIONS OR ON THE TELEPHONE.
C1148	Coordination	Desired	INTERFACE BETWEEN SEVERAL CONTACTS WITHIN AN ORGANIZATION, BETWEEN A VARIETY OF OTHER DEPARTMENTS AND/OR EXTERNAL ORGANIZATIONS TO TRACK AND AND ENSURE COMPLETION OF A TASK PROJECT; MAY INCLUDE COORDINATION OF WORKLOAD ASSIGNMENTS FOR OTHER EMPLOYEES.
C1162	Customer Contact	Desired	ABILITY TO HANDLE QUESTIONS AND CLEAR CUSTOMER (INTERNAL AND EXTERNAL) PROBLEMS AND ENSURE COMMITMENTS TO CUSTOMERS ARE MET BY RESOLVING PROBLEMS AND PROVIDING SERVICES.



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C1756	Electrical Or Electronics Background	Desired	PREVIOUS TRAINING OR WORK EXPERIENCE IN THE ELECTRICAL OR ELECTRONICS FIELD OR IN COMPUTER MAINTENANCE AND REPAIR.
C1223	Electronic Information Retrieval	Desired	THE TRANSFER OF INFORMATION STORED IN ELECTRONIC OR OTHER FORMS OF MEDIA TO HARD COPY UPON REQUEST. MAY INCLUDE THE USE OF SPECIAL COMPUTER SOFTWARE.
C1225	Electronic Testing	Desired	PERFORMS A VARIETY OF ELECTRONIC AND MECHANICAL TESTING ON ELECTRONIC SYSTEMS, SUBASSEMBLIES AND PARTS, ENSURING UNIT FUNCTION TO SPECIFICATIONS AND/OR DETERMINING CAUSE OF FAILURES. UTILIZES A FULL RANGE OF ELECTRONIC TESTS.
C1741	Equipment Maintenance	Desired	APPROPRIATELY CARES FOR THE VARIOUS PIECES OF EQUIPMENT THROUGH NECESSARY LUBRICATION, CLEANING, ADJUSTING, ETC.
C1239	Equipment Testing Knowledge	Desired	UNDERSTANDS THE PROCEDURES FOR TESTING OF TELEPHONE EQUIPMENT AND CAN USE THESE PROCEDURES TO CARRY OUT THE NECESSARY CHECKS.
C1243	Excavation	Desired	PERFORM THE PROCEDURES FOR NECESSARY MINOR GROUND CLEARANCE REQUIRED FOR EQUIPMENT INSTALLATION/REPAIR.
C1250	Facilities System Knowledge	Desired	UNDERSTANDS THE FACILITIES SYSTEM FUNCTIONS TO THE EXTENT THAT TESTING, REPAIR OR MAINTENANCE IS POSSIBLE.
C1254	Facility - Equipment Assignment	Desired	ASSIGNMENT OF EQUIPMENT TO INSTALL AND/OR REPAIR CUSTOMER'S SERVICE.
C2037	Fiber Construction & Maintenance	Desired	UNDERSTANDS AND CAN PERFORM CONSTRUCTION PRACTICES; FUSION SPLICING; MECHANICAL SPLICING; RESTORATION TECHNIQUES; TROUBLESHOOTING TOOLS, AND TEST EQUIPMENT.
C1259	Fiber Optics Knowledge	Desired	EXPERIENCE IN FIBER OPTIC SPLICING AND TESTING PROCEDURES.
C2055	Fusion And/Or Splicing	Desired	ABILITY TO FUSION AND/OR MECHANICALLY SPLICE, PREPARE FIBER ENCLOSURE AND FIBER DISTRIBUTION PANELS.
C1289	Hi-Cap	Desired	RECONCILIATION OF ALL HICAP-56KB CONNECTOR JOBS FOR OUTSIDE PLANT.



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C1299	Inspection	Desired	VISUAL AND MECHANICAL CHECKING OF COMPONENTS IN PROCESS AND FINAL PRODUCT FOR CONFORMANCE TO SPECIFIED WORKMANSHIP, DIMENSIONAL, MECHANICAL AND SIMILAR REQUIREMENTS. INCLUDES INCIDENTAL ELECTRICAL CHECKS UTILIZING PROVIDED FACILITIES.
C1302	Installation - Analog	Desired	INSTALLATION, MAINTENANCE AND REPAIR OF ANALOG CIRCUITS. MAY INCLUDE CUSTOMER EQUIPMENT SUCH AS HORIZONS AND DIMENSIONS.
C1304	Installation - Cabling	Desired	PLACING OF COPPER, COAXING INSIDE WIRE AND/OR FIBER FLOOR DUCT OR CONDUIT.
C1305	Installation - Testing	Desired	TAGGING, TESTING AND IDENTIFYING WIRE PLACED.
C1306	Installation - Wiring	Desired	TERMINATION OF WIRE AND CABLE ON CONNECTING BLOCKS AND PLACING CROSS CONNECTS.
C1307	Installation And Repair - Cable	Desired	INSTALLATION AND MAINTENANCE OF COAXIAL CABLE SYSTEMS; PLANT PROTECTION; LOCATE AND MARK CABLE, SPLICE AND RESTORE LEAD SHEATH CABLE, LOCATE AND REPAIR LEAKS, TROUBLESHOOT AND REPAIR REGENS AND REPEATERS. READ VARIOUS DRAWINGS, AS-BUILTS AND PLOT PLANS.
C1308	Installation And Repair - Digital	Desired	INSTALLATION, MAINTENANCE AND REPAIR OF DIGITAL MULTIPLEX EQUIPMENT, SUCH AS DDM10000, DACS 11, GRANGER, ETC.
C1311	Installation And Repair - Underground Cable	Desired	INSTALLATION AND MAINTENANCE OF CABLE IN UNDERGROUND CONDUIT RATHER THAN BURIED CABLE; FOLLOW REQUIRED SAFETY PROCEDURES, READS VARIOUS DRAWINGS, AS-BUILTS AND PLOT PLANS.
C1312	Installation Knowledge	Desired	UNDERSTANDS THE PROCEDURES REQUIRED TO INSTALL, REARRANGE AND/OR REMOVE COMPLEX TELEPHONE EQUIPMENT.
C1313	Installation Repair - Special Services	Desired	INSTALLATION AND MAINTENANCE OF SPECIAL SERVICES; CUSTOM SERVICE WORK.
C2040	Instruments And Measurements	Desired	UNDERSTANDS AND USES A DIGITAL MULTIMETER; METER MOVEMENTS; ANALOG AMMETERS; ANALOG VOLTMETERS; METER LOADING; ANALOG OHMMETERS; INSULATION TESTERS, ETC.



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C1344	Line Testing	Desired	EFFECTIVELY EMPLOYS THE NECESSARY STEPS AND PROCEDURES TO ENSURE ADEQUATE FUNCTIONING OF TELEPHONE LINES.
C1386	Maintenance - CXR/Repeater	Desired	OPERATION AND MAINTENANCE OF VARIOUS TYPES OF CARRIER EQUIPMENT (DIGITAL).
C1394	Manual Transmission Knowledge	Required	ABILITY TO DRIVE A MOTOR VEHICLE WITH A MANUAL TRANSMISSION.
C1395	Map Reading	Desired	ABILITY TO READ MAPS IN GOING FROM ONE LOCATION TO ANOTHER.
C1401	Material Control Operations	Desired	PERFORMS ASSIGNED TASKS IN AREAS SUCH AS RECEIVING, STOREROOM, TOOLROOM, PACKING AND SHIPPING. REQUIRES PHYSICALLY HANDLING, CHECKING AND TRANSPORTING MATERIALS.
C1408	Measuring Devices/Meters Knowledge	Desired	UNDERSTANDS AND CAN EFFECTIVELY USE THE VARIOUS MEASURING DEVICES AND METERS FOR INSTALLATION, MAINTENANCE OR REPAIR FUNCTIONS.
C1804	Mechanical	May be Required	Design and fabricate structures using ironwork and products like Unisrut. Includes field engineering and building skills that require a high degree of mechanical aptitude such as ironwork, carpentry, plumbing, welding, machinist and other similar construction trades
C1465	Operations - Facilities	Desired	WORKS WITH POWER, CARRIER, ANALOG/DIGITAL RADIO, COAXIAL/FIBER CABLE AND THEIR RELATED SYSTEMS. MAY ALSO INCLUDE DACS, 4ESS, 5ESS, STP, NCP, TSP, ETC. (DMS100)
C1467	Operations - Private Line	Desired	INTERFACES WITH CUSTOMER TO PROVISION PRIVATE LINE DATA AND MAINTAINS SERVICE INTEGRITY TO SATISFACTION OF THE CUSTOMER.
C2001	Outside Construction & Maintenance	Desired	EFFECTIVELY INSTALLS NEW COAXIAL CABLE AND FIBER OPTIC CABLE PLACING. CONNECTORIZATION OF COAXIAL CABLE AND PLACE ASSOCIATED EQUIPMENT SUCH AS AMPLIFIER HOUSINGS, TAPS AND POWER SUPPLIES.
C1775	Pole Climbing - Stepped	Desired	ABILITY TO CLIMB STEPPED POLES
C1776	Pole Climbing - Unstepped	Desired	ABILITY TO CLIMB UNSTEPPED POLES
C1535	Problem Resolution	Desired	ANALYZING, EVALUATING AND TRACKING SYSTEM PROBLEMS/TROUBLES AND EQUIPMENT FAILURES UTILIZING KNOWLEDGE AND SKILLS TO AFFECT THE FINAL RESOLUTION.



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C1575	Read Blue-Prints	Desired	ABLE TO READ BLUE-PRINTS FROM THE ENGINEERS. ALSO RESPONSIBLE FOR CORRECTING CABLE FOOTAGES ON 'MARKED PRINTS' SO THE RECORDS ARE UP TO DATE AND CORRECT.
C1579	Record Keeping	Desired	EFFECTIVELY CREATES AND MAINTAINS RECORDS AND KEEPS ACCURATE RECORDS CONCERNING AREA OF RESPONSIBILITY.
C1587	Repair Referral	Desired	EFFECTIVELY RECEIVES REQUESTS FOR REPAIR SERVICES AND DISPATCHES THE APPROPRIATE INDIVIDUAL OR REPAIR FUNCTION.
C1595	Research And Investigation	Desired	THE ABILITY TO FACT FIND AND PROBLEM SOLVE BASED ON INFORMATION GATHERED FROM ONE OR MULTIPLE SOURCES.
C1602	Safety Awareness	Desired	KNOWS AND FOLLOWS COMPANY POLICY AND PROCEDURES REGARDING SAFETY. MAINTAINS APPROPRIATE LEVEL OF CAUTION WHEN WORKING, LIFTING, OR HANDLING POTENTIALLY HAZARDOUS EQUIPMENT OR MATERIALS.
C1607	Sales And Services	Desired	INTERVIEWS CUSTOMERS TO ASSESS NEEDS; MAKE RECOMMENDATIONS OF COMPANY SERVICES WHICH MEET NEEDS; FACT FINDING TO DETERMINE OR, INVESTIGATE PROBLEMS.
C1622	Service Order Knowledge	Desired	GENERAL KNOWLEDGE OF THE SERVICE ORDER FROM A USER STANDPOINT.
C1623	Service Order Knowledge-Technical	Desired	UNDERSTAND SERVICE ORDER CODES IN RELATION TO CIRCUIT/SERVICE DESIGN, IMPLEMENTATION AND/OR INSTALLATION.
C1473	Service Order Processing	Desired	ENTERING, FILING AND/OR COMPLETING SERVICE ORDERS AND FACILITATING EXPEDIENT MOVEMENT TO NEXT STEP; INCLUDING ROUTINE ORDERS AND UPDATING CUSTOMERS AS REQUESTED. MAY INVOLVE USE OF COMPUTER TEMINAL.
C1673	Testing	Desired	PERFORMING TESTING AND TROUBLESHOOTING OF ELECTRICAL AND ELECTRONIC CIRCUITRY.
C1674	Testing Procedures Knowledge	Desired	UNDERSTANDS AND CAN PERFORM THE VARIOUS TESTS ASSOCIATED WITH MAINTENANCE REPAIR AND/OR INSTALLATION, E.G., MECHANIZED LOOP TESTING (MLT), MAIN DISTRIBUTING FRAME (MDF) IN OR OUT TESTS, VDAS, TMS, AND PM TESTS.
C1680	Time Reporting	Desired	PROCESSING HOURS WORKED, EITHER MANUALLY OR ELECTRONICALLY. MAY INCLUDE COMPLETING FORMS, CODING AND/OR ENTERING.



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C1686	Tool Knowledge	Desired	UNDERSTANDS AND USES THE VARIOUS TOOLS REQUIRED FOR BUILDING, MAINTENANCE OR SERVICE SUPPORT FUNCTIONS IN AN EFFICIENT AND SAFE MANNER.
C2056	Trouble Correcting	Desired	EFFECTIVELY IDENTIFIES, ISOLATES AND CORRECTS TROUBLE IN THE SYSTEM OR EQUIPMENT THROUGH CLEANING, ADJUSTING OR RESPLICING.
C1730	Wire Cable Knowledge	Desired	ABILITY TO PERFORM WIRE CABLE TRANSFERS.
C1732	Wiring	Desired	REMOVE INSULATION AND POSITION WIRE, ASSEMBLE LUGS AND TERMINALS, WRAPPING, MECHANICAL ATTACHING, SOLDERING AND DRESSING WIRES, CABLE AND ELECTRICAL CONDUCTORS IN APPARATUS AND EQUIPMENT TO COMPLETE CIRCUITS ACCORDING TO MODELS, DRAWINGS AND DIAGRAMS.

LICENSE/CERTIFICATIONS

Skill Code	Skill Name	Applicability	Skill Description
C1437	Possess valid driver's license.	Required	Possess valid driver's license.

REASONABLE ACCOMMODATIONS

Reasonable accommodations will be made for qualified candidates with disabilities. Essential job functions are identified for specific jobs on job requisition forms.