

SELF – ASSESSMENT GUIDE

Qualification:	TELECOM OSP INSTALLATION (Fiber Optic Cable) NC II	
Units of Competency Covered:	<ul style="list-style-type: none"> • Install and Splice/Join Aerial/Underground Fiber Optic Cables • Perform Optical Testing and Repair 	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
INSTALL AND SPLICE/ JOIN AERIAL/ UNDERGROUND FIBER OPTIC CABLES		
• Prepare necessary tools, equipment, materials and PPE in line with job requirements		
• Identify cable preparation & installation requirements & constraints from plan and site inspection as per job requirement		
• Set up cable preparation & installation equipment in accordance with manufacture's & job requirements		
• Assess support structure in line with job requirements		
• Check cable route for obstructions and vertical clearances from street level and are made clear using suitable methods and in coordination with authorities concerned		
• Make site safe & secure for cable installation		
• Lay out fiber optic cables aerial and underground in line with installation plan*		
• Perform sheath opening of the cable and strength member as required per outside plant standards		
• Secure buffer tubes and fiber strands & aligns/positions assembly of fiber optic organizer in accordance with standard installation procedures		
• Splice and join fiber strands*		
• Organize fiber optic strands*		
• Follow placement of prepared fiber in mechanical splicing kit as per established procedure		

<ul style="list-style-type: none"> Place the cable inside the cable cover and properly attaches & closes in accordance with the product specification 		
<ul style="list-style-type: none"> Strip, clean & cleave fiber strands in accordance with established procedures 		
<ul style="list-style-type: none"> Observe loop & bending radius tolerance for cable materials at all times 		
<ul style="list-style-type: none"> Perform insertion of fiber strand to the fusion machine (automatic operation) in accordance to procedural standards and product/equipment specification 		
<ul style="list-style-type: none"> Protect & organize spliced fiber strands as per procedure and job requirements 		
<ul style="list-style-type: none"> Install closure and support for aerial and underground* 		
<ul style="list-style-type: none"> Complete closure of flash testing according to job requirements & SOP to prevent water & moisture entry 		
<ul style="list-style-type: none"> Attach spliced cable to messenger wire/pole or cable rack for support in line with job requirements & product specifications 		
PERFORM OPTICAL TESTING & REPAIR		
<ul style="list-style-type: none"> Identify fiber strands (color coding)* 		
<ul style="list-style-type: none"> Interpret documents in accordance with the enterprise procedures 		
<ul style="list-style-type: none"> Identify and prepares necessary tools, equipment, materials and personal protective equipment (PPE) in line with job requirements 		
<ul style="list-style-type: none"> Identify and prepares fiber strands in accordance with job requirements and assignments 		
<ul style="list-style-type: none"> Check quality of fiber optic joints * 		
<ul style="list-style-type: none"> Identify optical cable faults and error in line with OTDR (Optical Time Domain Reflectometer) manual 		
<ul style="list-style-type: none"> Localize optical cable faults in accordance with standard industry practices 		
<ul style="list-style-type: none"> Repair fiber optic cable faults* 		
<ul style="list-style-type: none"> Re-splice faulty fiber optic strands in accordance with established procedures 		

• Gather & store tools, equipment & materials back to the service vehicle		
• Remove & dispose waste materials from work place in accordance with government regulations & environmental requirements		
• Restore changes made to the work area		
• Report problems encountered as per standard operating procedures (SOP)		
• Document testing conducted in accordance with job requirements and standard procedures		
Candidate's Name:	Date:	

Note: *Critical aspects of competency