

Qualification Pack



Wireless Technician

QP Code: TEL/Q4105

Version: 4.0

NSQF Level: 4

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Qualification Pack

Contents

TEL/Q4105: Wireless Technician	3
<i>Brief Job Description</i>	3
Applicable National Occupational Standards (NOS)	3
<i>Compulsory NOS</i>	3
<i>Qualification Pack (QP) Parameters</i>	3
TEL/N4122: Carry out installation and wiring of wireless communication equipment	5
TEL/N4123: Configure equipment and establish wireless network connectivity	11
TEL/N4124: Diagnose and rectify wireless network faults	17
TEL/N4125: Install, test, and maintain UPS and domestic power supply	23
TEL/N9105: Follow sustainable practices in telecom infrastructure installation	28
DGT/VSQ/N0102: Employability Skills (60 Hours)	33
Assessment Guidelines and Weightage	40
<i>Assessment Guidelines</i>	40
<i>Assessment Weightage</i>	41
Acronyms	42
Glossary	43

Qualification Pack

TEL/Q4105: Wireless Technician

Brief Job Description

A Wireless Technician is responsible for installing, configuring, and testing Wi-Fi backhaul equipment (5 GHz) and Wi-Fi access points (2.4 GHz) for broadband connectivity. The individual establishes and maintains backhaul connectivity between Wi-Fi nodes and access points across multiple sites. Additionally, the person performs basic troubleshooting to identify, localize, and rectify cable, connectivity, and equipment faults in coordination with the Network Operations Centre (NOC).

Personal Attributes

The individual should have good strong communication skills, a customer-focused approach, and the ability to work both independently and as part of a team. Practical judgment, self-motivation, and problem-solving abilities are essential for successfully executing assigned responsibilities.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [TEL/N4122: Carry out installation and wiring of wireless communication equipment](#)
2. [TEL/N4123: Configure equipment and establish wireless network connectivity](#)
3. [TEL/N4124: Diagnose and rectify wireless network faults](#)
4. [TEL/N4125: Install, test, and maintain UPS and domestic power supply](#)
5. [TEL/N9105: Follow sustainable practices in telecom infrastructure installation](#)
6. [DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

Qualification Pack (QP) Parameters

Sector	Telecom
Sub-Sector	Passive Infrastructure
Occupation	Operations and Maintenance - Passive Infrastructure
Country	India
NSQF Level	4

Qualification Pack

Credits	17
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7422.0206
Minimum Educational Qualification & Experience	12th grade Pass OR Completed 2nd year of the 3-year diploma after 10 (in Electronics Engineering/ Telecommunication Engineering/ Wireless and Mobile Communication/ Networking and Communication Systems) OR 10th grade pass with 3 Years of experience in the operations and maintenance of passive infrastructure OR Previous relevant Qualification of NSQF Level (3.0) with 3 Years of experience in the operations and maintenance of passive infrastructure OR Previous relevant Qualification of NSQF Level (3.5) with 1.5 years of experience in the operations and maintenance of passive infrastructure
Minimum Level of Education for Training in School	Not Applicable
Pre-Requisite License or Training	NA
Minimum Job Entry Age	17 Years
Last Reviewed On	NA
Next Review Date	30/04/2028
NSQC Approval Date	08/05/2025
Version	4.0
Reference code on NQR	QG-04-TL-04090-2025-V2-TSSC
NQR Version	2

Qualification Pack

TEL/N4122: Carry out installation and wiring of wireless communication equipment

Description

This unit covers the installation, wiring, and commissioning of wireless communication equipment, including Wi-Fi backhaul equipment (5 GHz) with antennas and Wi-Fi access points (2.4 GHz) at various sites. It also includes structured cabling with Optical Fiber Cable (OFC), Unshielded Twisted Pair (UTP)/Shielded Twisted Pair (STP), coaxial cables, and feeder cables, ensuring compliance with safety and performance standards.

Scope

The scope covers the following :

- Prepare, wire, and install the system
- Conduct quality checks and performance testing
- Complete documentation and site cleanup

Elements and Performance Criteria

Prepare, wire, and install the system

To be competent, the user/individual on the job must be able to:

- PC1.** review and interpret installation plans, site layouts, and job specifications
- PC2.** coordinate with superiors and site personnel to confirm job requirements and site access
- PC3.** select and collect appropriate tools, equipment, and materials as per installation plans
- PC4.** identify and use suitable cables (OFC, UTP/STP, coaxial, feeder cable) and connectors based on site requirements
- PC5.** measure and verify cable lengths, ensuring continuity and optimal performance
- PC6.** inspect cable routes for electrical hazards, environmental constraints, and obstructions
- PC7.** liaise with local authorities and comply with regulatory requirements for outdoor installations
- PC8.** determine optimal installation locations adhering to structured cabling norms and signal coverage guidelines
- PC9.** ensure systematic and organized wiring from Point of Presence (PoP) to designated sites
- PC10.** secure and route cables neatly using appropriate clips, trays, and conduits
- PC11.** install, terminate, and test feeder cables and connectors, ensuring minimal transmission loss
- PC12.** mount equipment securely following manufacturer guidelines and electrical safety standards
- PC13.** implement proper grounding and earthing techniques for system safety and reliability
- PC14.** conduct initial equipment setup, firmware updates, and basic configuration as required

Conduct quality checks and performance testing

To be competent, the user/individual on the job must be able to:

- PC15.** test cable connectivity, transmission loss, and signal strength using appropriate testing tools
- PC16.** re-terminate cables if the transmission loss exceeds prescribed limits

Qualification Pack

- PC17.** verify power supply, grounding, and voltage levels to prevent equipment damage
- PC18.** configure and test Wi-Fi backhaul and access point connectivity for seamless operation
- PC19.** troubleshoot and rectify basic connectivity issues and escalate unresolved issues

Complete documentation and site cleanup

To be competent, the user/individual on the job must be able to:

- PC20.** dispose of installation waste materials as per environmental and workplace safety guidelines
- PC21.** restore the site to its original or improved condition, ensuring customer satisfaction
- PC22.** maintain accurate records of installation, testing results, and equipment details
- PC23.** complete all required installation documents and reports in the prescribed format
- PC24.** collect customer acknowledgment and necessary payments, if applicable

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** industry standards, policies, and best practices for wireless equipment installation and structured cabling
- KU2.** different cable types (OFC, UTP/STP, coaxial, feeder cable) and their respective connectors (RJ-45, RJ-11, LC, SC, SMA, N-type)
- KU3.** safety procedures for working at heights, handling electrical installations, and preventing hazards
- KU4.** structured cabling guidelines, including PoP setup, cable routing, and cable management techniques
- KU5.** methods of obtaining and handling installation materials, tools, and equipment at various sites
- KU6.** transmission loss testing methods, power level verification, and troubleshooting techniques
- KU7.** basic Wi-Fi network principles, including signal propagation, interference, and coverage optimization
- KU8.** firmware updates, basic configurations, and network connectivity checks for wireless devices
- KU9.** documentation processes, including technical reports, installation logs, and compliance records
- KU10.** customer handling protocols, payment procedures, and conflict resolution strategies

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** document installation details, test results, and compliance records clearly and accurately
- GS2.** read and interpret technical manuals, work orders, safety guidelines, and regulatory requirements
- GS3.** communicate effectively with supervisors, team members, and customers
- GS4.** adapt to different site conditions and problem-solve unexpected challenges efficiently
- GS5.** work with precision, ensuring adherence to technical specifications and safety standards

Qualification Pack

- GS6.** maintain a professional and customer-friendly demeanor during site visits
- GS7.** apply troubleshooting skills to diagnose and rectify common installation issues
- GS8.** follow systematic work procedures to ensure timely and high-quality installations
- GS9.** utilize digital tools and applications for documentation, scheduling, and communication
- GS10.** demonstrate awareness of environmental sustainability in waste disposal and resource management

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare, wire, and install the system</i>	16	20	-	11
PC1. review and interpret installation plans, site layouts, and job specifications	1	2	-	0.5
PC2. coordinate with superiors and site personnel to confirm job requirements and site access	1	1	-	0.5
PC3. select and collect appropriate tools, equipment, and materials as per installation plans	1	1	-	0.5
PC4. identify and use suitable cables (OFC, UTP/STP, coaxial, feeder cable) and connectors based on site requirements	1	1	-	0.5
PC5. measure and verify cable lengths, ensuring continuity and optimal performance	1	1	-	1
PC6. inspect cable routes for electrical hazards, environmental constraints, and obstructions	1	2	-	0.5
PC7. liaise with local authorities and comply with regulatory requirements for outdoor installations	2	1	-	0.5
PC8. determine optimal installation locations adhering to structured cabling norms and signal coverage guidelines	2	2	-	1
PC9. ensure systematic and organized wiring from Point of Presence (PoP) to designated sites	1	1	-	1
PC10. secure and route cables neatly using appropriate clips, trays, and conduits	1	2	-	1
PC11. install, terminate, and test feeder cables and connectors, ensuring minimal transmission loss	1	1	-	1
PC12. mount equipment securely following manufacturer guidelines and electrical safety standards	1	2	-	1
PC13. implement proper grounding and earthing techniques for system safety and reliability	1	1	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. conduct initial equipment setup, firmware updates, and basic configuration as required	1	2	-	1
<i>Conduct quality checks and performance testing</i>	5	15	-	4
PC15. test cable connectivity, transmission loss, and signal strength using appropriate testing tools	1	2	-	0.5
PC16. re-terminate cables if the transmission loss exceeds prescribed limits	1	3	-	0.5
PC17. verify power supply, grounding, and voltage levels to prevent equipment damage	1	3	-	1
PC18. configure and test Wi-Fi backhaul and access point connectivity for seamless operation	1	5	-	1
PC19. troubleshoot and rectify basic connectivity issues and escalate unresolved issues	1	2	-	1
<i>Complete documentation and site cleanup</i>	9	15	-	5
PC20. dispose of installation waste materials as per environmental and workplace safety guidelines	2	2	-	1
PC21. restore the site to its original or improved condition, ensuring customer satisfaction	1	3	-	1
PC22. maintain accurate records of installation, testing results, and equipment details	2	4	-	1
PC23. complete all required installation documents and reports in the prescribed format	2	3	-	1
PC24. collect customer acknowledgment and necessary payments, if applicable	2	3	-	1
NOS Total	30	50	-	20

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N4122
NOS Name	Carry out installation and wiring of wireless communication equipment
Sector	Telecom
Sub-Sector	Passive Infrastructure
Occupation	Operations and Maintenance - Passive Infrastructure
NSQF Level	4
Credits	4
Version	6.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

Qualification Pack

TEL/N4123: Configure equipment and establish wireless network connectivity

Description

This unit covers configuring Wi-Fi backhaul equipment (5 GHz), Wi-Fi access points (2.4 GHz), and establishing broadband connectivity between network endpoints, including the service provider gateway, Wi-Fi backhaul equipment, and access points.

Scope

The scope covers the following :

- Configure the equipment
- Establish and verify connectivity
- Record configuration settings and test results

Elements and Performance Criteria

Configure the equipment

To be competent, the user/individual on the job must be able to:

- PC1.** install and securely mount Wi-Fi backhaul equipment and access points as per site specifications
- PC2.** connect feeder cables with antennas and measure VSWR/return loss to ensure optimal signal transmission
- PC3.** align antennas based on surveyed signal strength and adjust orientation for optimal connectivity
- PC4.** establish physical connections between Wi-Fi backhaul equipment, Wi-Fi access points, and network switches
- PC5.** configure equipment settings, including IP addresses, subnet masks, and default gateways, according to base configurations
- PC6.** access network settings using default login credentials and update them with secure passwords
- PC7.** apply encryption and authentication settings (WPA2/WPA3) to secure network access
- PC8.** update firmware and software patches to ensure compliance with industry standards and security best practices

Establish and verify connectivity

To be competent, the user/individual on the job must be able to:

- PC9.** ensure all cables and connectors are properly secured and free from damage
- PC10.** conduct a ping test to the service provider gateway and analyze latency, packet loss, and jitter parameters
- PC11.** validate throughput performance using network testing tools and document results
- PC12.** configure end-user devices with appropriate SSIDs, security credentials, and DNS settings
- PC13.** verify end-user connectivity by executing network diagnostic commands and troubleshooting connectivity issues

Qualification Pack

- PC14.** perform a security compliance check by testing firewall settings, encryption status, and unauthorized access points

Record configuration settings and test results

To be competent, the user/individual on the job must be able to:

- PC15.** maintain accurate records of network configurations, including IP assignments, security protocols, and firmware versions
- PC16.** document testing procedures, expected results, and any deviations observed during connectivity tests
- PC17.** create a troubleshooting log with identified issues, root causes, and corrective actions taken
- PC18.** educate customers on basic troubleshooting techniques and network optimization tips

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the fundamental concepts of wireless networking, including IEEE 802.11 standards, frequency bands, and channel interference
- KU2.** network topologies, broadband network elements, gateways, TCP/IP, DHCP, and subnetting
- KU3.** key performance parameters such as signal strength, VSWR, return loss, and link budget calculations
- KU4.** industry best practices for securing wireless networks, including encryption standards, firewall configurations, and intrusion prevention measures
- KU5.** tools and software used for configuring, testing, and monitoring network performance
- KU6.** standard troubleshooting methodologies for network failures, slow speeds, and intermittent connectivity issues
- KU7.** basic electrical safety measures and first aid procedures for handling installation-related hazards
- KU8.** guidelines for proper cable management, grounding techniques, and protection against environmental damage
- KU9.** best practices for maintaining customer satisfaction, including clear communication of service expectations and troubleshooting guidance
- KU10.** the importance of firmware updates and software patches in maintaining network security and reliability

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read and interpret technical documentation, equipment manuals, and network configuration guides
- GS2.** communicate effectively with team members, supervisors, and customers to convey technical information clearly
- GS3.** maintain professionalism and courteous behavior while interacting with customers and stakeholders

Qualification Pack

- GS4.** follow structured troubleshooting methodologies to identify and resolve network issues systematically
- GS5.** document network configurations, test results, and troubleshooting actions with accuracy and clarity
- GS6.** adapt to new technologies, updates, and industry trends to enhance skills and knowledge
- GS7.** apply safety protocols and risk mitigation strategies when handling electrical components and network installations
- GS8.** use digital tools and applications to monitor network performance and analyze test results
- GS9.** manage time effectively to complete network installations and troubleshooting tasks within defined deadlines
- GS10.** maintain an organized workspace, ensuring proper handling and storage of networking tools and equipment

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Configure the equipment</i>	14	18	-	8
PC1. install and securely mount Wi-Fi backhaul equipment and access points as per site specifications	1	2	-	1
PC2. connect feeder cables with antennas and measure VSWR/return loss to ensure optimal signal transmission	2	2	-	1
PC3. align antennas based on surveyed signal strength and adjust orientation for optimal connectivity	2	2	-	1
PC4. establish physical connections between Wi-Fi backhaul equipment, Wi-Fi access points, and network switches	2	2	-	1
PC5. configure equipment settings, including IP addresses, subnet masks, and default gateways, according to base configurations	2	3	-	1
PC6. access network settings using default login credentials and update them with secure passwords	1	3	-	1
PC7. apply encryption and authentication settings (WPA2/WPA3) to secure network access	2	2	-	1
PC8. update firmware and software patches to ensure compliance with industry standards and security best practices	2	2	-	1
<i>Establish and verify connectivity</i>	10	12	-	7
PC9. ensure all cables and connectors are properly secured and free from damage	1	2	-	1
PC10. conduct a ping test to the service provider gateway and analyze latency, packet loss, and jitter parameters	2	2	-	2
PC11. validate throughput performance using network testing tools and document results	2	2	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. configure end-user devices with appropriate SSIDs, security credentials, and DNS settings	2	2	-	1
PC13. verify end-user connectivity by executing network diagnostic commands and troubleshooting connectivity issues	2	2	-	1
PC14. perform a security compliance check by testing firewall settings, encryption status, and unauthorized access points	1	2	-	1
<i>Record configuration settings and test results</i>	6	20	-	5
PC15. maintain accurate records of network configurations, including IP assignments, security protocols, and firmware versions	1	6	-	1
PC16. document testing procedures, expected results, and any deviations observed during connectivity tests	2	6	-	2
PC17. create a troubleshooting log with identified issues, root causes, and corrective actions taken	2	7	-	1
PC18. educate customers on basic troubleshooting techniques and network optimization tips	1	1	-	1
NOS Total	30	50	-	20

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N4123
NOS Name	Configure equipment and establish wireless network connectivity
Sector	Telecom
Sub-Sector	Passive Infrastructure
Occupation	Operations and Maintenance - Passive Infrastructure
NSQF Level	4
Credits	4
Version	5.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

Qualification Pack

TEL/N4124: Diagnose and rectify wireless network faults

Description

This unit is about performing corrective maintenance, diagnosing faults, and ensuring effective restoration of wireless network connectivity.

Scope

The scope covers the following :

- Diagnose and rectify wiring faults
- Troubleshoot and repair Wi-Fi backhaul equipment (5 GHz)
- Troubleshoot and restore Wi-Fi access points (2.4 GHz)
- Carry out documentation and restore worksite

Elements and Performance Criteria

Diagnose and rectify wiring faults

To be competent, the user/individual on the job must be able to:

- PC1.** conduct continuity tests using appropriate tools and localize fault distance
- PC2.** perform re-connectorization/crimping of cable pairs with connectors or replace faulty cables
- PC3.** replace feeder cables or antennas as per network specifications
- PC4.** conduct signal and interference tests to validate cable performance
- PC5.** reconfigure network devices, if necessary, after cable replacement

Troubleshoot and repair Wi-Fi backhaul equipment (5 GHz)

To be competent, the user/individual on the job must be able to:

- PC6.** interpret status and error indicators on the Wi-Fi backhaul equipment
- PC7.** connect and operate a handheld network tester for fault diagnosis
- PC8.** use cable and antenna testers to check connectivity and performance
- PC9.** verify and adjust antenna alignment for optimal signal strength
- PC10.** analyze diagnostic results to localize and rectify faults in backhaul connectivity
- PC11.** perform firmware updates and configuration resets, if required

Troubleshoot and restore Wi-Fi access points (2.4 GHz)

To be competent, the user/individual on the job must be able to:

- PC12.** identify status and diagnostic indicators on Wi-Fi access points
- PC13.** connect and utilize network testing tools for fault detection
- PC14.** interpret output from troubleshooting equipment and software diagnostics
- PC15.** access Wi-Fi access point settings through a browser or application to perform configuration checks
- PC16.** reset, update, or replace malfunctioning Wi-Fi access points based on diagnostic findings

Carry out documentation and restore worksite

To be competent, the user/individual on the job must be able to:

Qualification Pack

- PC17.** record troubleshooting steps and localized faults in logs or digital records
- PC18.** document all modifications and replacements undertaken during fault rectification
- PC19.** restore any worksite changes made during fault repair to meet client and workplace standards
- PC20.** dispose of damaged components and materials following environmental and safety guidelines

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** types, specifications, and limitations of network cables, connectors, and feeder cables
- KU2.** industry standards and best practices for cable crimping, soldering, and termination
- KU3.** functionality and usage of test equipment such as network testers, spectrum analyzers, and cable testers
- KU4.** the impact of Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC) on network performance
- KU5.** standard commands and procedures for configuring and troubleshooting wireless networking equipment
- KU6.** parameters affecting signal quality, including interference sources and signal attenuation
- KU7.** safety procedures for handling electrical equipment, including grounding and surge protection
- KU8.** risk assessment techniques and incident response protocols for network failures
- KU9.** escalation processes for unresolved faults and emergency incidents, such as power failures and system crashes
- KU10.** environmental and safety regulations for disposal of electronic and networking waste

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** document troubleshooting activities and rectification steps for future reference
- GS2.** read and interpret technical manuals, circuit diagrams, and standard operating procedures
- GS3.** follow work orders, safety guidelines, and compliance requirements related to network maintenance
- GS4.** communicate effectively with supervisors, team members, and clients regarding fault status and resolution
- GS5.** explain technical issues in simple terms to non-technical customers or stakeholders
- GS6.** work efficiently under time constraints and prioritize tasks based on network impact
- GS7.** apply problem-solving techniques to identify faults and implement corrective actions
- GS8.** adapt to new technologies and emerging troubleshooting tools in wireless networking
- GS9.** maintain professional conduct and customer service standards while performing onsite troubleshooting

Qualification Pack

- GS10.** ensure proper handling and usage of tools and equipment to maintain work efficiency and safety

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Diagnose and rectify wiring faults</i>	10	13	-	5
PC1. conduct continuity tests using appropriate tools and localize fault distance	2	2	-	1
PC2. perform re-connectorization/crimping of cable pairs with connectors or replace faulty cables	2	3	-	1
PC3. replace feeder cables or antennas as per network specifications	2	3	-	1
PC4. conduct signal and interference tests to validate cable performance	2	2	-	1
PC5. reconfigure network devices, if necessary, after cable replacement	2	3	-	1
<i>Troubleshoot and repair Wi-Fi backhaul equipment (5 GHz)</i>	11	15	-	6
PC6. interpret status and error indicators on the Wi-Fi backhaul equipment	2	5	-	1
PC7. connect and operate a handheld network tester for fault diagnosis	2	2	-	1
PC8. use cable and antenna testers to check connectivity and performance	2	2	-	1
PC9. verify and adjust antenna alignment for optimal signal strength	2	2	-	1
PC10. analyze diagnostic results to localize and rectify faults in backhaul connectivity	2	2	-	1
PC11. perform firmware updates and configuration resets, if required	1	2	-	1
<i>Troubleshoot and restore Wi-Fi access points (2.4 GHz)</i>	5	12	-	5
PC12. identify status and diagnostic indicators on Wi-Fi access points	1	3	-	1
PC13. connect and utilize network testing tools for fault detection	1	2	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. interpret output from troubleshooting equipment and software diagnostics	1	3	-	1
PC15. access Wi-Fi access point settings through a browser or application to perform configuration checks	1	2	-	1
PC16. reset, update, or replace malfunctioning Wi-Fi access points based on diagnostic findings	1	2	-	1
<i>Carry out documentation and restore worksite</i>	4	10	-	4
PC17. record troubleshooting steps and localized faults in logs or digital records	1	3	-	1
PC18. document all modifications and replacements undertaken during fault rectification	1	2	-	1
PC19. restore any worksite changes made during fault repair to meet client and workplace standards	1	3	-	1
PC20. dispose of damaged components and materials following environmental and safety guidelines	1	2	-	1
NOS Total	30	50	-	20

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N4124
NOS Name	Diagnose and rectify wireless network faults
Sector	Telecom
Sub-Sector	Passive Infrastructure
Occupation	Operations and Maintenance - Passive Infrastructure
NSQF Level	4
Credits	3
Version	5.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

Qualification Pack

TEL/N4125: Install, test, and maintain UPS and domestic power supply

Description

This unit covers the installation, testing, and maintenance of UPS systems in domestic and small commercial setups. It includes checking power supply parameters, ensuring compliance with safety standards, and performing preventive maintenance.

Scope

The scope covers the following :

- Install UPS and check electrical parameters
- Conduct power supply checks and ensure compliance
- Perform preventive maintenance and troubleshooting

Elements and Performance Criteria

Install UPS and check electrical parameters

To be competent, the user/individual on the job must be able to:

- PC1.** inspect and verify power supply connections for voltage, current, earthing, and continuity
- PC2.** identify appropriate UPS type and capacity based on the equipment load and power requirements
- PC3.** plan installation activities, ensuring adherence to manufacturer guidelines and safety protocols
- PC4.** read and interpret wiring diagrams and circuit layouts to ensure correct installation
- PC5.** install and securely mount UPS as per the specified standards
- PC6.** route and connect power supply through UPS, ensuring proper input and output wiring
- PC7.** check for polarity and phase alignment to avoid incorrect wiring
- PC8.** verify the proper grounding of the UPS and connected equipment

Conduct power supply checks and ensure compliance

To be competent, the user/individual on the job must be able to:

- PC9.** use multimeters and clamp meters to measure and validate voltage, current, and earthing resistance
- PC10.** test power backup functionality by simulating a power failure scenario
- PC11.** ensure the UPS output matches the required power quality standards
- PC12.** identify and report fluctuations or irregularities in power supply that may affect equipment performance
- PC13.** apply safety precautions while handling high-voltage connections and power tools

Perform preventive maintenance and troubleshooting

To be competent, the user/individual on the job must be able to:

- PC14.** inspect and test UPS batteries for charge retention and health status
- PC15.** replace faulty or degraded batteries following standard replacement procedures
- PC16.** clean and secure UPS ventilation to prevent overheating

Qualification Pack

- PC17.** diagnose and troubleshoot common UPS faults such as overloading, short circuits, and failed inverters
- PC18.** document test results, maintenance actions, and reported issues as per standard procedures
- PC19.** communicate findings and recommendations to customers or supervisors

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard voltage and current norms for domestic and small commercial power supply systems
- KU2.** guidelines for checking earthing, insulation resistance, and power continuity
- KU3.** types of UPS systems (Offline, Line-interactive, Online) and their applications
- KU4.** UPS installation best practices, including wiring standards and safety protocols
- KU5.** UPS power ratings, load calculations, and capacity planning
- KU6.** functioning and use of test equipment (multimeters, clamp meters, insulation testers)
- KU7.** types of batteries used in UPS, battery management practices, and charge cycles
- KU8.** common faults in UPS and troubleshooting methods
- KU9.** safety regulations, electrical codes, and protective measures for handling power systems
- KU10.** documentation and reporting procedures for installation, testing, and maintenance activities

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** record and maintain installation and service logs in the prescribed format
- GS2.** read and interpret technical manuals, wiring diagrams, and safety guidelines
- GS3.** communicate installation steps and troubleshooting details to supervisors or clients
- GS4.** explain basic UPS functionality and safety instructions to customers
- GS5.** follow structured work orders, schedules, and compliance checklists
- GS6.** apply safe working practices and emergency procedures while handling electrical components
- GS7.** adapt to different ups brands and models with varying specifications
- GS8.** work efficiently with minimal disruption to the customer's setup
- GS9.** use digital tools and software to track maintenance records, warranties, and service history
- GS10.** identify and escalate complex power supply issues beyond standard troubleshooting

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Install UPS and check electrical parameters</i>	13	18	-	8
PC1. inspect and verify power supply connections for voltage, current, earthing, and continuity	1	2	-	1
PC2. identify appropriate UPS type and capacity based on the equipment load and power requirements	2	2	-	1
PC3. plan installation activities, ensuring adherence to manufacturer guidelines and safety protocols	2	2	-	1
PC4. read and interpret wiring diagrams and circuit layouts to ensure correct installation	2	2	-	1
PC5. install and securely mount UPS as per the specified standards	2	3	-	1
PC6. route and connect power supply through UPS, ensuring proper input and output wiring	1	3	-	1
PC7. check for polarity and phase alignment to avoid incorrect wiring	1	2	-	1
PC8. verify the proper grounding of the UPS and connected equipment	2	2	-	1
<i>Conduct power supply checks and ensure compliance</i>	9	10	-	5
PC9. use multimeters and clamp meters to measure and validate voltage, current, and earthing resistance	1	2	-	1
PC10. test power backup functionality by simulating a power failure scenario	2	2	-	1
PC11. ensure the UPS output matches the required power quality standards	2	2	-	1
PC12. identify and report fluctuations or irregularities in power supply that may affect equipment performance	2	2	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. apply safety precautions while handling high-voltage connections and power tools	2	2	-	1
<i>Perform preventive maintenance and troubleshooting</i>	8	22	-	7
PC14. inspect and test UPS batteries for charge retention and health status	1	6	-	1
PC15. replace faulty or degraded batteries following standard replacement procedures	2	6	-	2
PC16. clean and secure UPS ventilation to prevent overheating	2	7	-	1
PC17. diagnose and troubleshoot common UPS faults such as overloading, short circuits, and failed inverters	1	1	-	1
PC18. document test results, maintenance actions, and reported issues as per standard procedures	1	1	-	1
PC19. communicate findings and recommendations to customers or supervisors	1	1	-	1
NOS Total	30	50	-	20

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N4125
NOS Name	Install, test, and maintain UPS and domestic power supply
Sector	Telecom
Sub-Sector	Passive Infrastructure
Occupation	Operations and Maintenance - Passive Infrastructure
NSQF Level	4
Credits	3
Version	4.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

Qualification Pack

TEL/N9105: Follow sustainable practices in telecom infrastructure installation

Description

This unit covers sustainable practices in telecom infrastructure installation. It includes identifying components for recycling or refurbishment, ensuring compliance with environmental standards, and promoting sustainability during installation and repair processes.

Scope

The scope covers the following :

- Segregate recyclable and refurbishable components
- Dispose of waste
- Use Energy-Efficient Methods
- Follow environmental standards and compliance guidelines
- Guide team members

Elements and Performance Criteria

Segregate recyclable and refurbishable components

To be competent, the user/individual on the job must be able to:

- PC1.** identify telecom components suitable for recycling or refurbishment
- PC2.** sort electronic and non-electronic waste based on disposal protocols
- PC3.** label and store recyclable and refurbishable components separately

Dispose of waste

To be competent, the user/individual on the job must be able to:

- PC4.** follow approved procedures for the safe disposal of hazardous and non-hazardous waste
- PC5.** coordinate with authorized e-waste recycling units or certified disposal agencies
- PC6.** handle batteries, cables, and electronic circuits safely to prevent environmental hazards

Use Energy-Efficient Methods

To be competent, the user/individual on the job must be able to:

- PC7.** select and use energy-efficient tools and equipment during telecom installations
- PC8.** apply best practices to minimize energy consumption
- PC9.** position and install telecom infrastructure to optimize efficiency and sustainability

Follow environmental standards and compliance guidelines

To be competent, the user/individual on the job must be able to:

- PC10.** adhere to national and international environmental regulations for telecom infrastructure installation
- PC11.** maintain records of waste disposal, recycling, and sustainability measures
- PC12.** assist in periodic audits to assess compliance with green standards
- PC13.** follow workplace sustainability protocols and report non-compliance

Qualification Pack

Guide team members

To be competent, the user/individual on the job must be able to:

PC14. guide team members on sustainable telecom installation guidelines and practices

PC15. encourage environmentally responsible work habits

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the national and international environmental laws and regulations

KU2. e-waste management and recycling policies

KU3. occupational safety and health standards related to environmental practices

KU4. the types of recyclable and refurbishable telecom components

KU5. methods for reducing electronic waste through responsible procurement and reuse

KU6. advancements in eco-friendly telecom infrastructure

KU7. techniques for optimizing energy consumption in telecom operations

KU8. use of renewable energy sources in telecom infrastructure

KU9. best practices for reducing the carbon footprint of telecom installations

KU10. identification and proper disposal methods for hazardous and non-hazardous waste

KU11. the procedures for handling, storing, and transporting waste materials safely

KU12. how to collaborate with authorized agencies for effective waste collection and disposal

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. communicate effectively with team members to ensure adherence to sustainable practices

GS2. follow written instructions for waste segregation, disposal, and energy-efficient installations

GS3. use problem-solving skills to address sustainability challenges in telecom installations

GS4. apply numerical skills to track and record environmental compliance data

GS5. organize tasks efficiently to minimize resource wastage and environmental impact

GS6. adapt to new sustainable technologies in telecom infrastructure

GS7. work collaboratively with authorized agencies to ensure proper e-waste disposal

GS8. maintain safety protocols while handling hazardous materials

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Segregate recyclable and refurbishable components</i>	6	12	-	6
PC1. identify telecom components suitable for recycling or refurbishment	2	4	-	2
PC2. sort electronic and non-electronic waste based on disposal protocols	2	4	-	2
PC3. label and store recyclable and refurbishable components separately	2	4	-	2
<i>Dispose of waste</i>	6	10	-	5
PC4. follow approved procedures for the safe disposal of hazardous and non-hazardous waste	2	4	-	2
PC5. coordinate with authorized e-waste recycling units or certified disposal agencies	2	3	-	2
PC6. handle batteries, cables, and electronic circuits safely to prevent environmental hazards	2	3	-	1
<i>Use Energy-Efficient Methods</i>	6	10	-	3
PC7. select and use energy-efficient tools and equipment during telecom installations	2	4	-	1
PC8. apply best practices to minimize energy consumption	2	3	-	1
PC9. position and install telecom infrastructure to optimize efficiency and sustainability	2	3	-	1
<i>Follow environmental standards and compliance guidelines</i>	8	12	-	4
PC10. adhere to national and international environmental regulations for telecom infrastructure installation	2	3	-	1
PC11. maintain records of waste disposal, recycling, and sustainability measures	2	3	-	1
PC12. assist in periodic audits to assess compliance with green standards	2	3	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. follow workplace sustainability protocols and report non-compliance	2	3	-	1
<i>Guide team members</i>	4	6	-	2
PC14. guide team members on sustainable telecom installation guidelines and practices	2	3	-	1
PC15. encourage environmentally responsible work habits	2	3	-	1
NOS Total	30	50	-	20

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N9105
NOS Name	Follow sustainable practices in telecom infrastructure installation
Sector	Telecom
Sub-Sector	
Occupation	Generic
NSQF Level	4
Credits	1
Version	1.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

Qualification Pack

DGT/VSQ/N0102: Employability Skills (60 Hours)

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Career Development & Goal Setting
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

Elements and Performance Criteria

Introduction to Employability Skills

To be competent, the user/individual on the job must be able to:

- PC1.** identify employability skills required for jobs in various industries
- PC2.** identify and explore learning and employability portals

Constitutional values – Citizenship

To be competent, the user/individual on the job must be able to:

- PC3.** recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.
- PC4.** follow environmentally sustainable practices

Becoming a Professional in the 21st Century

To be competent, the user/individual on the job must be able to:

- PC5.** recognize the significance of 21st Century Skills for employment
- PC6.** practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

Basic English Skills

To be competent, the user/individual on the job must be able to:

Qualification Pack

- PC7.** use basic English for everyday conversation in different contexts, in person and over the telephone
- PC8.** read and understand routine information, notes, instructions, mails, letters etc. written in English
- PC9.** write short messages, notes, letters, e-mails etc. in English

Career Development & Goal Setting

To be competent, the user/individual on the job must be able to:

- PC10.** understand the difference between job and career
- PC11.** prepare a career development plan with short- and long-term goals, based on aptitude

Communication Skills

To be competent, the user/individual on the job must be able to:

- PC12.** follow verbal and non-verbal communication etiquette and active listening techniques in various settings
- PC13.** work collaboratively with others in a team

Diversity & Inclusion

To be competent, the user/individual on the job must be able to:

- PC14.** communicate and behave appropriately with all genders and PwD
- PC15.** escalate any issues related to sexual harassment at workplace according to POSH Act

Financial and Legal Literacy

To be competent, the user/individual on the job must be able to:

- PC16.** select financial institutions, products and services as per requirement
- PC17.** carry out offline and online financial transactions, safely and securely
- PC18.** identify common components of salary and compute income, expenses, taxes, investments etc
- PC19.** identify relevant rights and laws and use legal aids to fight against legal exploitation

Essential Digital Skills

To be competent, the user/individual on the job must be able to:

- PC20.** operate digital devices and carry out basic internet operations securely and safely
- PC21.** use e- mail and social media platforms and virtual collaboration tools to work effectively
- PC22.** use basic features of word processor, spreadsheets, and presentations

Entrepreneurship

To be competent, the user/individual on the job must be able to:

- PC23.** identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research
- PC24.** develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion
- PC25.** identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

Customer Service

To be competent, the user/individual on the job must be able to:

- PC26.** identify different types of customers
- PC27.** identify and respond to customer requests and needs in a professional manner.

Qualification Pack

PC28. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

To be competent, the user/individual on the job must be able to:

PC29. create a professional Curriculum vitae (Résumé)

PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively

PC31. apply to identified job openings using offline /online methods as per requirement

PC32. answer questions politely, with clarity and confidence, during recruitment and selection

PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills and different learning and employability related portals

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. how to use English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

KU6. importance of career development and setting long- and short-term goals

KU7. about effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

KU10. different types of financial institutes, products, and services

KU11. how to compute income and expenditure

KU12. importance of maintaining safety and security in offline and online financial transactions

KU13. different legal rights and laws

KU14. different types of digital devices and the procedure to operate them safely and securely

KU15. how to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

KU16. how to identify business opportunities

KU17. types and needs of customers

KU18. how to apply for a job and prepare for an interview

KU19. apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. read and write different types of documents/instructions/correspondence

GS2. communicate effectively using appropriate language in formal and informal settings

Qualification Pack

- GS3.** behave politely and appropriately with all
- GS4.** how to work in a virtual mode
- GS5.** perform calculations efficiently
- GS6.** solve problems effectively
- GS7.** pay attention to details
- GS8.** manage time efficiently
- GS9.** maintain hygiene and sanitization to avoid infection

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	2	4	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Entrepreneurship</i>	2	3	-	-
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0102
NOS Name	Employability Skills (60 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	4
Credits	2
Version	1.0
Last Reviewed Date	08/05/2025
Next Review Date	31/10/2025
NSQC Clearance Date	08/05/2025

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each Element/PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Qualification Pack

Minimum Aggregate Passing % at QP Level : 70

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TEL/N4122.Carry out installation and wiring of wireless communication equipment	30	50	-	20	100	20
TEL/N4123.Configure equipment and establish wireless network connectivity	30	50	-	20	100	20
TEL/N4124.Diagnose and rectify wireless network faults	30	50	-	20	100	20
TEL/N4125.Install, test, and maintain UPS and domestic power supply	30	50	-	20	100	20
TEL/N9105.Follow sustainable practices in telecom infrastructure installation	30	50	0	20	100	10
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	-	-	50	10
Total	170	280	0	100	550	100

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
NCVET	National Council for Vocational Education and Training
QP	Qualification Pack
MC	Model Curriculum
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
NCO	National Classification of Occupations
ES	Employability Skills
TSSC	Telecom Sector Skill Council
PoP	Point of Presence
Wi-Fi	Wireless Fidelity
SSIDs	Service Set Identifiers
DNS	Domain Name System
EMI	Electromagnetic Interference
EMC	Electromagnetic Compatibility

Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

Qualification Pack

Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.
Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.

Qualification Pack

National Occupational Standard	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.