

## Qualification Pack



# Telecom Infrastructure Engineer

QP Code: TEL/Q6100

Version: 3.0

NSQF Level: 5

Telecom Sector Skill Council || 3rd Floor, Plot No 126, Sector - 44  
Gurgaon - 122003

## Qualification Pack

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### TEL/Q6100: Telecom Infrastructure Engineer

#### Brief Job Description

An Infrastructure Engineer in the telecom industry is responsible for ensuring site uptime by supervising and monitoring preventive and corrective maintenance of Passive Infrastructure at sites. They also coordinate infrastructure up-gradation activities and ensure timely payments of rent, diesel, and electricity charges after validating the vendor bills.

#### Personal Attributes

This job requires the individual to work closely with multiple teams and third-party vendors. They should be willing to work in the field and handle high pressure situations. They should be adaptable to changing work environments and possess good practical knowledge so that they can successfully perform the assigned responsibilities.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [TEL/N6100: Perform Preventive and Corrective Maintenance of Passive Infrastructure Equipment](#)
2. [TEL/N6102: Upgrade Passive Infrastructure at Radio Locations](#)
3. [TEL/N6103: Perform other Operational Activities at Radio Sites](#)
4. [TEL/N9103: Implement Effective Interaction at workplace](#)
5. [TEL/N9104: Manage Work, Resources and Safety at workplace](#)
6. [DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Passive Infrastructure
<b>Occupation</b>	Operations and Maintenance - Passive Infrastructure
<b>Country</b>	India
<b>NSQF Level</b>	5

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<b>Credits</b>	18
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/7422.0204
<b>Minimum Educational Qualification &amp; Experience</b>	<p>Completed 2nd year of UG (UG Diploma) (Completed 2nd year of 3-year/ 4-years UG) OR Pursuing 2nd year of UG (Pursuing 2nd year of 3-year/ 4-years UG and continuing education ) OR Completed 2nd year diploma after 12th OR Pursuing 2nd year of 2-year diploma after 12th (with No Experience required) OR 12th grade Pass (with 2 year of any combination of NTC/NAC/CITS or equivalent with No Experience required) OR Previous relevant Qualification of NSQF Level (4) with 3 Years of experience</p>
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	21 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Approval Date</b>	30/12/2021
<b>Version</b>	3.0
<b>Reference code on NQR</b>	QG-05-TL-00446-2023-V1.1-TSSC
<b>NQR Version</b>	1.1

## Qualification Pack

# TEL/N6100: Perform Preventive and Corrective Maintenance of Passive Infrastructure Equipment

## Description

This OS unit is about carrying out preventive and corrective maintenance activities for passive equipment such as DG sets, battery bank, SMPS etc. to ensure their optimal working.

## Scope

The scope covers the following :

- Prepare for preventive and corrective maintenance
- Supervise preventive and corrective maintenance activities
- Report and document the status of site infrastructure

## Elements and Performance Criteria

### *Prepare for preventive and corrective maintenance*

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

- PC1.** maintain site details including site listing, Diesel Generator (DG) and power capacity, equipment types and vendors
- PC2.** collect preventive maintenance schedule and the corresponding checklist from the supervisor
- PC3.** analyse the schedule to account for any site criticality, capacity, and frequency faults, if required
- PC4.** notify Network Operation Centre (NOC) team well in advance before commencing maintenance activities
- PC5.** assess network alarm severity, Service Level Agreement (SLAs) and affected network elements
- PC6.** provide information to all relevant parties/stakeholders for identifying the problem and its root cause
- PC7.** prioritize action on alarms based on faults service impact analysis
- PC8.** ensure the team has all necessary tools, test equipment, resources and spare hardware equipment to perform maintenance
- PC9.** raise requests to the vendors for procurement of spares, in case the same are not available in the store, as per company process
- PC10.** arrange for sending parts/components to logistics team for repair and replacement

### *Supervise preventive and corrective maintenance activities*

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

- PC11.** review daily and weekly maintenance activities performed by the technicians
- PC12.** monitor completion of standard maintenance activities, such as checking battery, voltage levels, DG set fuel/oil refill etc.
- PC13.** supervise maintenance and testing activities such as equipment grouting, earthing connections, adequacy of wiring etc.

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- PC14.** ensure site up-keep by checking for leakages, oil/diesel spillages, condition of cable trays and upkeep of tower (through riggers) etc.
- PC15.** record readings from Power Interface Unit (PIU) panels on input and output voltage and current levels
- PC16.** review third party elements that require maintenance for timely generation of tickets to the respective vendors by Network Operation Center (NOC) team, if required
- PC17.** perform initial diagnostic tests to identify the root cause of the alarm within defined Service Level Agreement (SLA)
- PC18.** analyse the options to rectify the fault and confirm with supervisors, if required
- PC19.** resolve faults pertaining to Auto Main Failure (AMF) panel, alarm panel, Miniature Circuit Breaker (MCB), battery bank, DG set etc.
- PC20.** notify concerned parties about unresolved faults/instances of delays in resolution, as per organisation policy
- PC21.** ensure timely completion of work by monitoring activities performed by riggers and other technicians

### *Report and document the status of site infrastructure*

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

- PC22.** report emergency incidents like passive equipment failures, fire and power failures etc. to the management
- PC23.** ensure completion of administrative jobs like site clearance, return of test equipment etc.
- PC24.** confirm effectiveness of the maintenance process by monitoring site's alarm status in coordination with the NOC team
- PC25.** notify all relevant parties, including Field Maintenance (FM) Engineer, NOC team, supervisors, of the results of the maintenance to obtain sign-off
- PC26.** update relevant documents to be made available for inspection/audit
- PC27.** complete routine maintenance logs, activity logs and spare tracker within stipulated timeline

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** power capacities of DG set, battery bank and Switch Mode Power Supply (SMPS) based on their models
- KU2.** standard preventive maintenance activities carried on site
- KU3.** formats of schedules and checklists
- KU4.** typical faults on site
- KU5.** alarm types, indicators and resolution SLAs/ timelines
- KU6.** alarm criticalities and prioritization
- KU7.** functionality of tools like pliers, power drill, screwdrivers, spanner
- KU8.** inventory management and repair/return process for faulty equipment
- KU9.** process for repair/replacement of parts
- KU10.** risk and impact of deviating from defined procedures/work instructions

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- KU11.** functionality of passive infrastructure equipment such as DG set, PIU panel, transformer, SMPS, Air Conditioner, battery bank etc.
- KU12.** measurement tools, like multi-meter and thermometer, used to measure voltage levels of battery and site temperatures
- KU13.** need and requirement of earthing the equipment
- KU14.** mechanism for maintaining the earthing pit to absolute zero
- KU15.** electrical wiring requirements at site and their labelling/colour coding
- KU16.** phase and level of power received from the electrical board
- KU17.** site power requirements based on equipment rating
- KU18.** various diagnostic tools
- KU19.** implications for non response to tickets within defined SLAs
- KU20.** escalation matrix for reporting identified incidents, emergencies e.g. system failures, fire and power failures etc.
- KU21.** standard fault-finding (troubleshooting) techniques
- KU22.** process for obtaining sign-off post completion of the maintenance activities
- KU23.** types of documentation in organization and importance of the same
- KU24.** records to be maintained and implications of non-maintenance of the same

## Generic Skills (GS)

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

- GS1.** research various sources for information
- GS2.** read and write various documents as per given formats
- GS3.** interact timely with stakeholders
- GS4.** liaise and coordinate with third party vendors
- GS5.** interpret technical data and reports
- GS6.** multi-task various activities
- GS7.** prioritize and execute tasks in a high pressure environment
- GS8.** share knowledge/information timely with other team members and colleagues
- GS9.** take initiatives and progressively assume increased responsibilities

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare for preventive and corrective maintenance</i>	<b>12</b>	<b>23</b>	-	<b>5</b>
<b>PC1.</b> maintain site details including site listing, Diesel Generator (DG) and power capacity, equipment types and vendors	1	3	-	1
<b>PC2.</b> collect preventive maintenance schedule and the corresponding checklist from the supervisor	1	2	-	-
<b>PC3.</b> analyse the schedule to account for any site criticality, capacity, and frequency faults, if required	2	1	-	-
<b>PC4.</b> notify Network Operation Centre (NOC) team well in advance before commencing maintenance activities	1	2	-	-
<b>PC5.</b> assess network alarm severity, Service Level Agreement (SLAs) and affected network elements	1	3	-	1
<b>PC6.</b> provide information to all relevant parties/stakeholders for identifying the problem and its root cause	1	2	-	-
<b>PC7.</b> prioritize action on alarms based on faults service impact analysis	1	2	-	-
<b>PC8.</b> ensure the team has all necessary tools, test equipment, resources and spare hardware equipment to perform maintenance	1	2	-	1
<b>PC9.</b> raise requests to the vendors for procurement of spares, in case the same are not available in the store, as per company process	1	4	-	1
<b>PC10.</b> arrange for sending parts/components to logistics team for repair and replacement	2	2	-	1
<i>Supervise preventive and corrective maintenance activities</i>	<b>13</b>	<b>26</b>	-	<b>2</b>
<b>PC11.</b> review daily and weekly maintenance activities performed by the technicians	1	1	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> monitor completion of standard maintenance activities, such as checking battery, voltage levels, DG set fuel/oil refill etc.	1	3	-	-
<b>PC13.</b> supervise maintenance and testing activities such as equipment grouting, earthing connections, adequacy of wiring etc.	1	2	-	1
<b>PC14.</b> ensure site up-keep by checking for leakages, oil/diesel spillages, condition of cable trays and upkeep of tower (through riggers) etc.	1	3	-	-
<b>PC15.</b> record readings from Power Interface Unit (PIU) panels on input and output voltage and current levels	1	3	-	-
<b>PC16.</b> review third party elements that require maintenance for timely generation of tickets to the respective vendors by Network Operation Center (NOC) team, if required	1	4	-	1
<b>PC17.</b> perform initial diagnostic tests to identify the root cause of the alarm within defined Service Level Agreement (SLA)	1	2	-	-
<b>PC18.</b> analyse the options to rectify the fault and confirm with supervisors, if required	2	1	-	-
<b>PC19.</b> resolve faults pertaining to Auto Main Failure (AMF) panel, alarm panel, Miniature Circuit Breaker (MCB), battery bank, DG set etc.	1	2	-	-
<b>PC20.</b> notify concerned parties about unresolved faults/instances of delays in resolution, as per organisation policy	1	3	-	-
<b>PC21.</b> ensure timely completion of work by monitoring activities performed by riggers and other technicians	2	2	-	-
<i>Report and document the status of site infrastructure</i>	<b>10</b>	<b>6</b>	-	<b>3</b>
<b>PC22.</b> report emergency incidents like passive equipment failures, fire and power failures etc. to the management	2	1	-	-
<b>PC23.</b> ensure completion of administrative jobs like site clearance, return of test equipment etc.	2	1	-	1

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC24.</b> confirm effectiveness of the maintenance process by monitoring site's alarm status in coordination with the NOC team	1	1	-	-
<b>PC25.</b> notify all relevant parties, including Field Maintenance (FM) Engineer, NOC team, supervisors, of the results of the maintenance to obtain sign-off	2	1	-	1
<b>PC26.</b> update relevant documents to be made available for inspection/audit	2	1	-	-
<b>PC27.</b> complete routine maintenance logs, activity logs and spare tracker within stipulated timeline	1	1	-	1
<b>NOS Total</b>	<b>35</b>	<b>55</b>	<b>-</b>	<b>10</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TEL/N6100
<b>NOS Name</b>	Perform Preventive and Corrective Maintenance of Passive Infrastructure Equipment
<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Network Managed Services
<b>Occupation</b>	Operations and Maintenance - Passive Infrastructure
<b>NSQF Level</b>	5
<b>Credits</b>	5
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Clearance Date</b>	30/12/2021

## Qualification Pack

### TEL/N6102: Upgrade Passive Infrastructure at Radio Locations

#### Description

This OS unit is about carrying out upgrade activities for passive infrastructure such as enhanced capacity DG set, battery banks, Air Conditioner (AC), power plant etc. at radio locations.

#### Scope

The scope covers the following :

- Assess up gradation of infrastructure
- Coordinate upgrade activity
- Report and document the status

#### Elements and Performance Criteria

##### *Assess up gradation of infrastructure*

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

- PC1.** analyse change requests received from relevant teams (project team/supervisors)
- PC2.** identify activity type to be performed such as hardware upgrade, change of PIU, panels etc.
- PC3.** analyse criticality and timelines for carrying out the changes
- PC4.** prepare a work plan and identify dependencies, if any
- PC5.** assess the potential impact of the proposed activity and plan for possible outage condition or deferral of the activity
- PC6.** inform the Network Operation Centre (NOC) prior to undertaking the upgradation activity

##### *Co-ordinate upgrade activity*

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

- PC7.** coordinate with the vendors/technicians/riggers to ensure that changes are carried as per the change request
- PC8.** ensure change is realized without disruption to the network
- PC9.** monitor continuously and implement contingency plan in case of service disruption
- PC10.** return decommissioned equipment to the warehouse in case of power capacity upgradation
- PC11.** comply with the defined SLA for carrying out changes

##### *Report and document the status*

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

- PC12.** ensure completion of administrative jobs like site clearance, return of test equipment etc
- PC13.** confirm effectiveness of the maintenance process, by monitoring site alarm status in coordination with the NOC team
- PC14.** notify all relevant parties about the results of the maintenance result to obtain the sign-off from relevant personnel
- PC15.** identify documents to be updated and to be made available for inspection
- PC16.** complete routine maintenance logs, activity logs and spare tracker within stipulated timeline

## Qualification Pack

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** power capacities of DG set, battery bank and SMPS based on their models
- KU2.** functionality of Passive infrastructure equipment like DG set, PIU panel, transformer, SMPS, air conditioner, battery bank
- KU3.** operate passive infrastructure equipment like DG set, PIU panel, transformer, SMPS, air conditioner, battery bank
- KU4.** standard upgradation activities that need to be carried out
- KU5.** knowledge of spare management and repair and return process for faulty equipment
- KU6.** risk and impact of not following defined procedures/work instructions
- KU7.** standard fault-finding (troubleshooting) techniques
- KU8.** process for obtaining sign-off post completion of the maintenance activities
- KU9.** types of documentation in organization and importance of the same
- KU10.** records to be maintained and implications of non-maintenance of the same

### Generic Skills (GS)

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

- GS1.** communicate with supervisor
- GS2.** communicate in the local language (preferable)
- GS3.** liaise and coordinate with third party vendors

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Assess up gradation of infrastructure</i>	<b>16</b>	<b>23</b>	-	<b>3</b>
<b>PC1.</b> analyse change requests received from relevant teams (project team/supervisors)	2	3	-	1
<b>PC2.</b> identify activity type to be performed such as hardware upgrade, change of PIU, panels etc.	2	4	-	-
<b>PC3.</b> analyse criticality and timelines for carrying out the changes	3	4	-	1
<b>PC4.</b> prepare a work plan and identify dependencies, if any	3	4	-	-
<b>PC5.</b> assess the potential impact of the proposed activity and plan for possible outage condition or deferral of the activity	3	4	-	1
<b>PC6.</b> inform the Network Operation Centre (NOC) prior to undertaking the upgradation activity	3	4	-	-
<i>Co-ordinate upgrade activity</i>	<b>12</b>	<b>16</b>	-	<b>4</b>
<b>PC7.</b> coordinate with the vendors/technicians/riggers to ensure that changes are carried as per the change request	2	3	-	-
<b>PC8.</b> ensure change is realized without disruption to the network	1	3	-	1
<b>PC9.</b> monitor continuously and implement contingency plan in case of service disruption	3	2	-	1
<b>PC10.</b> return decommissioned equipment to the warehouse in case of power capacity upgradation	3	4	-	1
<b>PC11.</b> comply with the defined SLA for carrying out changes	3	4	-	1
<i>Report and document the status</i>	<b>7</b>	<b>16</b>	-	<b>3</b>
<b>PC12.</b> ensure completion of administrative jobs like site clearance, return of test equipment etc	2	3	-	1

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC13.</b> confirm effectiveness of the maintenance process, by monitoring site alarm status in coordination with the NOC team	2	3	-	-
<b>PC14.</b> notify all relevant parties about the results of the maintenance result to obtain the sign-off from relevant personnel	1	3	-	1
<b>PC15.</b> identify documents to be updated and to be made available for inspection	1	3	-	-
<b>PC16.</b> complete routine maintenance logs, activity logs and spare tracker within stipulated timeline	1	4	-	1
<b>NOS Total</b>	<b>35</b>	<b>55</b>	<b>-</b>	<b>10</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TEL/N6102
<b>NOS Name</b>	Upgrade Passive Infrastructure at Radio Locations
<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Network Managed Services
<b>Occupation</b>	Operations and Maintenance - Passive Infrastructure
<b>NSQF Level</b>	5
<b>Credits</b>	4
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Clearance Date</b>	30/12/2021



## Qualification Pack

### TEL/N6103: Perform other Operational Activities at Radio Sites

#### Description

This OS unit is about carrying out operational activities at site like ensuring timely diesel filling, obtaining clearances for site, validating accuracy of invoices and ensuring timely payments.

#### Scope

The scope covers the following :

- Undertake site operation activities Report and document the status

#### Elements and Performance Criteria

##### *Undertake site operation activities*

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

- PC1.** supervise deployment of diesel fillers at sites to fill diesel in DG sets as per required frequency of diesel filling
- PC2.** monitor site-wise diesel usage to avoid diesel pilferage and/or excess usage by equipment
- PC3.** prepare a list of site clearances that are required to be obtained and the expiry dates of any certificate already obtained
- PC4.** perform site key management and provide access to the Field Maintenance (FM) Engineers and other vendors (post availability of relevant permissions)

##### *Report and document the status*

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

- PC5.** ensure certificates are renewed/obtained from relevant authorities within the due date
- PC6.** record details of diesel filling activity, such as date and amount of diesel filled, as per company norms in the required format
- PC7.** maintain site-wise Electricity Board (EB) connection, diesel and rent details/files received from the vendors (invoices/as per contract) from the supervisors/finance team
- PC8.** verify the details in the invoice based on site availability, electricity and diesel usage
- PC9.** report any discrepancies to appropriate personnel, else confirm accuracy of invoices
- PC10.** supervise coordination with the finance team that bills are paid on timely basis to avoid late payment charges

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** passive infrastructure equipment like DG set, PIU panel, earthing systems, transformer, SMPS, air conditioner, battery
- KU2.** performance of site wise diesel usage analysis to detect cases of diesel pilferage
- KU3.** site power requirements based on equipment rating



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- KU4.** list of certifications applicable for sites and process of obtaining certificates from the concerned authorities
- KU5.** risk and impact of non availability of EB connection
- KU6.** calculation of diesel and EB bill amounts based on site usage to ratify vendor invoices
- KU7.** risk and impact of delayed payment of bills

### Generic Skills (GS)

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

- GS1.** communicate in the local language (preferable)
- GS2.** take initiatives and progressively assume increased responsibilities
- GS3.** communicate with supervisors and other technicians respectfully

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Undertake site operation activities</i>	<b>12</b>	<b>26</b>	-	<b>4</b>
<b>PC1.</b> supervise deployment of diesel fillers at sites to fill diesel in DG sets as per required frequency of diesel filling	3	6	-	1
<b>PC2.</b> monitor site-wise diesel usage to avoid diesel pilferage and/or excess usage by equipment	2	5	-	1
<b>PC3.</b> prepare a list of site clearances that are required to be obtained and the expiry dates of any certificate already obtained	3	7	-	1
<b>PC4.</b> perform site key management and provide access to the Field Maintenance (FM) Engineers and other vendors (post availability of relevant permissions)	4	8	-	1
<i>Report and document the status</i>	<b>13</b>	<b>39</b>	-	<b>6</b>
<b>PC5.</b> ensure certificates are renewed/obtained from relevant authorities within the due date	2	5	-	1
<b>PC6.</b> record details of diesel filling activity, such as date and amount of diesel filled, as per company norms in the required format	2	6	-	1
<b>PC7.</b> maintain site-wise Electricity Board (EB) connection, diesel and rent details/files received from the vendors (invoices/as per contract) from the supervisors/finance team	2	8	-	1
<b>PC8.</b> verify the details in the invoice based on site availability, electricity and diesel usage	2	7	-	1
<b>PC9.</b> report any discrepancies to appropriate personnel, else confirm accuracy of invoices	2	7	-	1
<b>PC10.</b> supervise coordination with the finance team that bills are paid on timely basis to avoid late payment charges	3	6	-	1
<b>NOS Total</b>	<b>25</b>	<b>65</b>	-	<b>10</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TEL/N6103
<b>NOS Name</b>	Perform other Operational Activities at Radio Sites
<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Network Managed Services
<b>Occupation</b>	Operations and Maintenance - Passive Infrastructure
<b>NSQF Level</b>	5
<b>Credits</b>	4
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Clearance Date</b>	30/12/2021

## Qualification Pack

### TEL/N9103: Implement Effective Interaction at workplace

#### Description

This OS unit is about communicating with superiors and colleagues as well as customers and other stakeholders in own or other work groups within as well as outside the organisation

#### Scope

The scope covers the following :

- Interact effectively with superiors
- Interact effectively with colleagues and customers
- Respect differences of gender and ability

#### Elements and Performance Criteria

##### *Interact effectively with superiors*

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

- PC1.** interpret work requirements from the superior and customers
- PC2.** report any unforeseen disruptions or delays to superiors and/or concerned person
- PC3.** achieve productivity and quality of work as per the company procedure

##### *Interact effectively with colleagues and customers*

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

- PC4.** explain the work requirements and the scope of work to the team
- PC5.** communicate information using different techniques such as face-to-face, telephonic and written means
- PC6.** co-ordinate with team to integrate work as per requirements
- PC7.** respect colleagues and customers and communicate taking care of their personal spaces
- PC8.** find solutions to work related difficulties with mutual agreement with colleagues and customers
- PC9.** resolve conflicts within the team at work to achieve smooth workflow
- PC10.** motivate team members to put organizational goals over individual goals
- PC11.** encourage the team to provide feedback on any issues facing them

##### *Respect differences of gender and ability*

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

- PC12.** ensure personal behaviour of self and team is conducted taking gender and disability of the person into consideration
- PC13.** demonstrate sensitivity towards gender and person with disability while communicating
- PC14.** list the different types of disabilities with their respective issues
- PC15.** provide help to PwD team members in overcoming any challenges faced in work
- PC16.** use inclusive language irrespective of the disability and the gender of the person
- PC17.** treat all colleagues and co-workers equally

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**PC18.** respect personal space of colleagues and co-workers

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** importance of effective and different means of communication and establishing good working relationships with colleagues and superiors
- KU2.** importance of helping colleagues with problems, in order to meet quality and time standards as a team
- KU3.** different methods of communication
- KU4.** different types of information that colleagues might need and the importance of providing this information in an appropriate manner
- KU5.** helping colleagues with problems, in order to meet quality and time standards as a team
- KU6.** organisation's policies and procedures for working with colleagues and superior
- KU7.** implications of own work on the work and schedule of others
- KU8.** importance of understanding consequences of gender based behaviour
- KU9.** gender based concepts, issues and legislation
- KU10.** organisation standards and guidelines to be followed for PwD and knowledge about laws, acts and provisions defined for PwD by the statutory bodies and the right way to use them including various medical conditions associated with PwD
- KU11.** health and safety requirements at workplace for PwD
- KU12.** rights and duties at workplace with respect to PwD
- KU13.** process of recruiting people for a particular job profile w.r.t PwD and gender
- KU14.** various government / private schemes and benefits available for PwD and information about various institutes working for PwD to enable in providing livelihood opportunities for PwD

### Generic Skills (GS)

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

- GS1.** complete written work with attention to detail and read instructions/guidelines/procedures
- GS2.** listen effectively and orally communicate information
- GS3.** ask for clarification and advice from the concerned person
- GS4.** deliver consistent and reliable service to customers
- GS5.** check that the work meets customer requirements
- GS6.** practice and acceptance of gender and its concepts
- GS7.** develop empathy across genders and towards PwD
- GS8.** reflect on own gender identity, gender roles and PwD issues
- GS9.** engage and participate in discussions to end gender and disability discrimination
- GS10.** improve and modify work practices
- GS11.** maintain positive and effective relationships with colleagues and customers
- GS12.** evaluate the possible solution(s) to the problem

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interact effectively with superiors</i>	<b>2</b>	<b>9</b>	-	<b>1</b>
<b>PC1.</b> interpret work requirements from the superior and customers	1	2	-	-
<b>PC2.</b> report any unforeseen disruptions or delays to superiors and/or concerned person	1	2	-	1
<b>PC3.</b> achieve productivity and quality of work as per the company procedure	-	5	-	-
<i>Interact effectively with colleagues and customers</i>	<b>13</b>	<b>27</b>	-	<b>5</b>
<b>PC4.</b> explain the work requirements and the scope of work to the team	2	3	-	-
<b>PC5.</b> communicate information using different techniques such as face-to-face, telephonic and written means	2	4	-	1
<b>PC6.</b> co-ordinate with team to integrate work as per requirements	-	4	-	1
<b>PC7.</b> respect colleagues and customers and communicate taking care of their personal spaces	-	3	-	-
<b>PC8.</b> find solutions to work related difficulties with mutual agreement with colleagues and customers	3	3	-	-
<b>PC9.</b> resolve conflicts within the team at work to achieve smooth workflow	-	4	-	1
<b>PC10.</b> motivate team members to put organizational goals over individual goals	3	4	-	1
<b>PC11.</b> encourage the team to provide feedback on any issues facing them	3	2	-	1
<i>Respect differences of gender and ability</i>	<b>15</b>	<b>24</b>	-	<b>4</b>
<b>PC12.</b> ensure personal behaviour of self and team is conducted taking gender and disability of the person into consideration	2	4	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC13.</b> demonstrate sensitivity towards gender and person with disability while communicating	2	3	-	1
<b>PC14.</b> list the different types of disabilities with their respective issues	2	3	-	1
<b>PC15.</b> provide help to PwD team members in overcoming any challenges faced in work	2	3	-	-
<b>PC16.</b> use inclusive language irrespective of the disability and the gender of the person	2	3	-	1
<b>PC17.</b> treat all colleagues and co-workers equally	2	3	-	-
<b>PC18.</b> respect personal space of colleagues and co-workers	3	5	-	1
<b>NOS Total</b>	<b>30</b>	<b>60</b>	<b>-</b>	<b>10</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TEL/N9103
<b>NOS Name</b>	Implement Effective Interaction at workplace
<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Generic
<b>Occupation</b>	Generic
<b>NSQF Level</b>	5
<b>Credits</b>	1
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	27/01/2025
<b>NSQC Clearance Date</b>	27/01/2022

## Qualification Pack

### TEL/N9104: Manage Work, Resources and Safety at workplace

#### Description

This OS unit is about planning work and implementing sustainable as well as healthy practices for safety and optimal use of resources

#### Scope

The scope covers the following :

- Manage learning and self-direction
- Develop critical thinking and problem solving
- Perform work as per quality standards
- Maintain safe and secure working environment
- Comply with material / energy / electricity conservation practices

#### Elements and Performance Criteria

##### *Manage learning and self-direction*

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

- PC1.** develop technical and personal skills to be updated with new technologies prevalent in the industry
- PC2.** train the team such that they are able to adapt latest products/services in their working environment
- PC3.** identify opportunities for team building workshops and motivational trainings

##### *Develop critical thinking and problem solving*

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

- PC4.** guide the team to be accountable for timely completion of tasks
- PC5.** analyse problems accurately to be able to correctly suggest suitable solutions to the concerned persons
- PC6.** train the team to estimate the cause of the problem and validate

##### *Perform work as per quality standards*

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

- PC7.** implement ways to keep immediate as well as team's work area clean and tidy
- PC8.** maintain efficiency and productivity while performing role/responsibility
- PC9.** supervise the team to ensure that the work is done as per the assigned and agreed requirements
- PC10.** create schedules and rosters for the team to ensure they understand individual work requirements

##### *Maintain safe and secure working environment*

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

- PC11.** identify organisation's health, safety, security policies and procedures

## Qualification Pack

- PC12.** instruct team to report any identified breaches in health, safety, and security policies and procedures to the designated person
- PC13.** manage hazards such as illness, accidents, fires or any other natural calamity safely, as per organisation's emergency procedures, within the limits of individual's authority
- PC14.** report any hazard outside the individual's authority to the relevant person in line with organisational procedures and warn others who may be affected

### *Material / energy / electricity conservation practices*

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

- PC15.** implement ways to optimize usage of material including water in various tasks/activities/processes
- PC16.** supervise the team to ensure responsible use of resources
- PC17.** motivate the team to carry out routine cleaning of tools, machine and equipment
- PC18.** guide the team to optimize use of electricity/energy in various tasks/activities/processes
- PC19.** implement periodic checks of the functioning of the equipment/machine and rectify wherever required
- PC20.** guide the team to report malfunctioning and lapses in maintenance of equipment
- PC21.** implement ways to use electrical equipment and appliances properly

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** strategies pertinent to the field that can be used to pursue an advancement of skills
- KU2.** key performance indicators for the new tasks
- KU3.** feedback processes and formats
- KU4.** timelines and goals as well as their relevance to work allocated
- KU5.** importance of quality and timely delivery of the product/service
- KU6.** layout of the workstation and equipment used
- KU7.** escalation matrix and its importance, especially in case of emergencies
- KU8.** ways of time and cost management
- KU9.** rules/regulation for maintaining health and safety at workplace
- KU10.** meaning of hazard, different types of health and safety hazards found in the workplace, risks and threats based on the nature of work
- KU11.** procedures to report breaches in health, safety and security
- KU12.** ways of managing resources and material efficiently
- KU13.** ways to recognize common electrical problems and common practices of conserving electricity

## Generic Skills (GS)

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

- GS1.** explore various pathways to expand one's own learning skills and abilities

## Qualification Pack

- GS2.** analyse feedback for improving one's way of working
- GS3.** interpret feedback from superiors in a constructive way
- GS4.** identify the root cause of problems
- GS5.** understand the problem by asking significant questions to clarify the various points of view on the problem
- GS6.** seek clarifications from superior about the job requirement
- GS7.** work in a team with full coordination of team members
- GS8.** read instructions/guidelines and Standard Operating Practices (SOP) documents
- GS9.** complete tasks efficiently and accurately within stipulated time
- GS10.** record data in statutory documents relevant to safety and hygiene
- GS11.** escalate/refer all anomalies to the concerned persons
- GS12.** identify the most suitable course of action for completing the task using provided resources

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Manage learning and self-direction</i>	<b>4</b>	<b>5</b>	-	-
<b>PC1.</b> develop technical and personal skills to be updated with new technologies prevalent in the industry	2	1	-	-
<b>PC2.</b> train the team such that they are able to adapt latest products/services in their working environment	1	2	-	-
<b>PC3.</b> identify opportunities for team building workshops and motivational trainings	1	2	-	-
<i>Develop critical thinking and problem solving</i>	<b>4</b>	<b>7</b>	-	-
<b>PC4.</b> guide the team to be accountable for timely completion of tasks	2	3	-	-
<b>PC5.</b> analyse problems accurately to be able to correctly suggest suitable solutions to the concerned persons	1	2	-	-
<b>PC6.</b> train the team to estimate the cause of the problem and validate	1	2	-	-
<i>Perform work as per quality standards</i>	<b>5</b>	<b>9</b>	-	<b>4</b>
<b>PC7.</b> implement ways to keep immediate as well as team's work area clean and tidy	1	2	-	-
<b>PC8.</b> maintain efficiency and productivity while performing role/responsibility	1	2	-	2
<b>PC9.</b> supervise the team to ensure that the work is done as per the assigned and agreed requirements	1	2	-	1
<b>PC10.</b> create schedules and rosters for the team to ensure they understand individual work requirements	2	3	-	1
<i>Maintain safe and secure working environment</i>	<b>12</b>	<b>13</b>	-	<b>2</b>
<b>PC11.</b> identify organisation's health, safety, security policies and procedures	3	3	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> instruct team to report any identified breaches in health, safety, and security policies and procedures to the designated person	3	3	-	-
<b>PC13.</b> manage hazards such as illness, accidents, fires or any other natural calamity safely, as per organisation's emergency procedures, within the limits of individual's authority	3	4	-	1
<b>PC14.</b> report any hazard outside the individual's authority to the relevant person in line with organisational procedures and warn others who may be affected	3	3	-	1
<i>Material / energy / electricity conservation practices</i>	<b>15</b>	<b>16</b>	-	<b>4</b>
<b>PC15.</b> implement ways to optimize usage of material including water in various tasks/activities/processes	1	2	-	1
<b>PC16.</b> supervise the team to ensure responsible use of resources	2	2	-	1
<b>PC17.</b> motivate the team to carry out routine cleaning of tools, machine and equipment	2	2	-	1
<b>PC18.</b> guide the team to optimize use of electricity/energy in various tasks/activities/processes	3	4	-	-
<b>PC19.</b> implement periodic checks of the functioning of the equipment/machine and rectify wherever required	2	2	-	1
<b>PC20.</b> guide the team to report malfunctioning and lapses in maintenance of equipment	3	2	-	-
<b>PC21.</b> implement ways to use electrical equipment and appliances properly	2	2	-	-
<b>NOS Total</b>	<b>40</b>	<b>50</b>	-	<b>10</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TEL/N9104
<b>NOS Name</b>	Manage Work, Resources and Safety at workplace
<b>Sector</b>	Telecom
<b>Sub-Sector</b>	Generic
<b>Occupation</b>	Generic
<b>NSQF Level</b>	5
<b>Credits</b>	1
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	27/01/2025
<b>NSQC Clearance Date</b>	27/01/2022

## 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>	<b>1</b>	<b>1</b>	-	-
<b>PC1.</b> identify employability skills required for jobs in various industries	-	-	-	-
<b>PC2.</b> identify and explore learning and employability portals	-	-	-	-
<i>Constitutional values - Citizenship</i>	<b>1</b>	<b>1</b>	-	-
<b>PC3.</b> 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.	-	-	-	-
<b>PC4.</b> follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>2</b>	<b>4</b>	-	-
<b>PC5.</b> recognize the significance of 21st Century Skills for employment	-	-	-	-
<b>PC6.</b> 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>	<b>2</b>	<b>3</b>	-	-
<b>PC7.</b> use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
<b>PC8.</b> read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
<b>PC9.</b> write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development &amp; Goal Setting</i>	<b>1</b>	<b>2</b>	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> understand the difference between job and career	-	-	-	-
<b>PC11.</b> prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	<b>2</b>	<b>2</b>	-	-
<b>PC12.</b> follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
<b>PC13.</b> work collaboratively with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>2</b>	-	-
<b>PC14.</b> communicate and behave appropriately with all genders and PwD	-	-	-	-
<b>PC15.</b> escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>2</b>	<b>3</b>	-	-
<b>PC16.</b> select financial institutions, products and services as per requirement	-	-	-	-
<b>PC17.</b> carry out offline and online financial transactions, safely and securely	-	-	-	-
<b>PC18.</b> identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
<b>PC19.</b> identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	<b>3</b>	<b>4</b>	-	-
<b>PC20.</b> operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
<b>PC21.</b> use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
<b>PC22.</b> 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>	<b>2</b>	<b>3</b>	-	-
<b>PC23.</b> identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
<b>PC24.</b> develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
<b>PC25.</b> identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	<b>1</b>	<b>2</b>	-	-
<b>PC26.</b> identify different types of customers	-	-	-	-
<b>PC27.</b> identify and respond to customer requests and needs in a professional manner.	-	-	-	-
<b>PC28.</b> follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship &amp; Jobs</i>	<b>2</b>	<b>3</b>	-	-
<b>PC29.</b> create a professional Curriculum vitae (Résumé)	-	-	-	-
<b>PC30.</b> search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
<b>PC31.</b> apply to identified job openings using offline /online methods as per requirement	-	-	-	-
<b>PC32.</b> answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
<b>PC33.</b> identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>30</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0102
<b>NOS Name</b>	Employability Skills (60 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	4
<b>Credits</b>	2
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	27/01/2025
<b>NSQC Clearance Date</b>	27/01/2022

## 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/N6100.Perform Preventive and Corrective Maintenance of Passive Infrastructure Equipment	35	55	-	10	100	20
TEL/N6102.Upgrade Passive Infrastructure at Radio Locations	35	55	-	10	100	20
TEL/N6103.Perform other Operational Activities at Radio Sites	25	65	-	10	100	20
TEL/N9103.Implement Effective Interaction at workplace	30	60	-	10	100	15
TEL/N9104.Manage Work, Resources and Safety at workplace	40	50	-	10	100	15
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	-	-	50	10
<b>Total</b>	<b>185</b>	<b>315</b>	<b>-</b>	<b>50</b>	<b>550</b>	<b>100</b>



## Qualification Pack

### Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	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.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	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.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	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.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	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.
<b>Scope</b>	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

<b>Knowledge and Understanding (KU)</b>	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.
<b>Organisational Context</b>	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.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	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.
<b>Electives</b>	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.
<b>Options</b>	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.