









# Field Technician - Air Conditioner

QP Code: ELE/Q3102

Version: 4.0

NSQF Level: 4

Electronics Sector Skills Council of India || 155, 2nd Floor, ESC House Okhla Industrial Area-Phase 3 New Delhi- 110020 || email:anu@essc-india.org









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## **ELE/Q3102: Field Technician - Air Conditioner**

## **Brief Job Description**

Field Technician Air Conditioner provides after sales service to customers where he/she needs to interact with customers to diagnose the problem and assess possible causes. The individual identifies and rectifies minor problems or replaces faulty modules for failed parts or recommends factory repair for bigger faults

### **Personal Attributes**

An individual on this job must have good communication and interpersonal skills. The individual must be willing to work in the field and travel through the day from one customer's premise to another. Punctuality, amenable behaviour, patience, trustworthiness, integrity and citical thinking are important attributes for his job.

## **Applicable National Occupational Standards (NOS)**

### **Compulsory NOS:**

- 1. ELE/N3101: Engage with customer for service
- 2. ELE/N3108: Perform installation and repair of air conditioner
- 3. DGT/VSQ/N0101: Employability Skills (30 Hours)

## **Qualification Pack (QP) Parameters**

Sector	Electronics
Sub-Sector	Consumer Electronics & IT Hardware
Occupation	After Sales Service
Country	India
NSQF Level	4
Credits	16
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7421.0401









Minimum Educational Qualification & Experience	12th grade Pass (12th grade or equivalent) with NA of experience OR 10th grade pass (10th grade or equivalent) with 3 Years of experience Relevant Experience in Consumer Electronics & IT Hardware OR Previous relevant Qualification of NSQF Level (Level-3 in relevant domain) with 3 Years of experience Relevant Experience in Consumer Electronics & IT Hardware
Minimum Level of Education for Training in School	10th Class
Pre-Requisite License or Training	NA
Minimum Job Entry Age	16 Years
Last Reviewed On	NA
Next Review Date	07/10/2028
NSQC Approval Date	07/10/2025
Version	4.0
Reference code on NQR	QG-04-EH-044952025-V2-ESSCI
NQR Version	2

## **Remarks:**









## **ELE/N3101: Engage with customer for service**

## **Description**

This NOS deals with customer interactions by identifying issues, scheduling visits, preparing for service, verifying warranty, gathering appliance details, explaining findings, suggesting solutions, and obtaining consent for repairs

## Scope

The scope covers the following:

- Introduction and Interact with the customer
- Suggest possible solutions

#### **Elements and Performance Criteria**

#### Introduction and Interact with the customer

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

- **PC1.** Interact with customers to diagnose air conditioner issues, identifies and fixes minor faults or replaces modules, and recommends factory repair for major problems
- **PC2.** analyse the details of customer complaint registered at customer care or installation schedule
- **PC3.** connect with the customer to use mobile CRM apps and real-time service tracking system to interact professionally with customers and provide personalized support.
- **PC4.** collect appropriate tools, parts, relevant reference sheets, manuals and documents
- **PC5.** visit the customer premises as per the scheduled date and time for service as per the requirement
- **PC6.** check about warranty status of appliance and annual maintenance contract
- **PC7.** gather detailed information pertaining to age of appliance, status of upkeep, symptoms and history of problems in the appliance
- **PC8.** provide information to the customer about the warranty and problem in detail along with the precautions to be taken in order to avoid recurrence of problem

#### Suggest possible solutions

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

- **PC9.** suggest possible solutions with the time required, costs involved and methodology for servicing
- **PC10.** seek customer's approval on further action

## **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** Understanding of basic air conditioner components, functioning, and common faults
- **KU2.** Knowledge of diagnostic procedures to identify minor and major faults in appliances.









- **KU3.** Awareness of customer care processes, complaint registration, and service scheduling
- **KU4.** Understanding of warranty terms, annual maintenance contracts, and their implications.
- **KU5.** Knowledge of using mobile CRM apps and real-time service tracking systems for professional interactions.
- **KU6.** Familiarity with service manuals, reference sheets, and relevant technical documentation.
- **KU7.** Awareness of tools, spare parts, and equipment required for AC servicing.
- **KU8.** Knowledge of preventive maintenance practices and precautions to avoid recurrence of problems.
- **KU9.** Understanding of cost estimation, service methodology, and time management for tasks.
- **KU10.** Awareness of professional communication standards when interacting with customers.

## **Generic Skills (GS)**

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

- **GS1.** Ability to interact politely and professionally with customers.
- **GS2.** Skill in collecting and analysing detailed information about appliance history and symptoms.
- **GS3.** Capability to assess the severity of issues and recommend appropriate action (repair, replacement, or factory service).
- **GS4.** Proficiency in using digital tools like mobile CRM apps for real-time updates.
- **GS5.** Skill in preparing and organizing necessary tools, parts, and documentation before service.
- **GS6.** Time management to visit customers as per scheduled appointments.
- **GS7.** Ability to explain warranty, service details, and precautions clearly to customers.
- **GS8.** Competence in suggesting solutions, including methodology, costs, and time required.
- **GS9.** Skill in obtaining customer approval for further actions.









## **Assessment Criteria**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Introduction and Interact with the customer	32	41	-	8
<b>PC1.</b> Interact with customers to diagnose air conditioner issues, identifies and fixes minor faults or replaces modules, and recommends factory repair for major problems	-	-	-	-
<b>PC2.</b> analyse the details of customer complaint registered at customer care or installation schedule	-	-	-	-
<b>PC3.</b> connect with the customer to use mobile CRM apps and real-time service tracking system to interact professionally with customers and provide personalized support.	-	-	-	-
<b>PC4.</b> collect appropriate tools, parts, relevant reference sheets, manuals and documents	-	-	-	-
<b>PC5.</b> visit the customer premises as per the scheduled date and time for service as per the requirement	-	-	-	-
<b>PC6.</b> check about warranty status of appliance and annual maintenance contract	-	-	-	-
<b>PC7.</b> gather detailed information pertaining to age of appliance, status of upkeep, symptoms and history of problems in the appliance	-	-	-	-
<b>PC8.</b> provide information to the customer about the warranty and problem in detail along with the precautions to be taken in order to avoid recurrence of problem	-	-	-	-
Suggest possible solutions	8	9	-	2
<b>PC9.</b> suggest possible solutions with the time required, costs involved and methodology for servicing	-	-	-	-
PC10. seek customer's approval on further action	-	-	_	-
NOS Total	40	50	-	10









## **National Occupational Standards (NOS) Parameters**

NOS Code	ELE/N3101
NOS Name	Engage with customer for service
Sector	Electronics
Sub-Sector	Consumer Electronics & IT Hardware
Occupation	After Sales Service
NSQF Level	4
Credits	7
Version	4.0
Last Reviewed Date	07/10/2025
Next Review Date	07/10/2028
NSQC Clearance Date	07/10/2025









## **ELE/N3108: Perform installation and repair of air conditioner**

## **Description**

This NOS is about understanding the installation or repair requirements for air conditioners, perform the tasks at customer premises to achieve the required productivity and quality

## Scope

The scope covers the following:

- Perform pre-installation checks
- Install the air conditioner
- Analyze symptoms, identify and rectify faults
- Complete documentation

### **Elements and Performance Criteria**

### Perform pre-installation checks

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

- PC1. analyze the work requirements by interacting with the supervisor
- **PC2.** plan to visit customer premises to understand the installation position of air conditioner such as window, split, high, low, etc
- **PC3.** check that the location meets structural requirements such as distance from power supply, distance from windows/doors being opened frequently
- PC4. inform customer about any pre installations/masonry/electrical work to be carried out
- **PC5.** mark position for placement of indoor/outdoor units to get customer confirmation on position and installation on next visit

### Install the air conditioner

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

- **PC6.** remove the air conditioner packaging without causing any damage and ensure that it matches the customer order in terms of colour and make
- **PC7.** check that all supporting accessories are available in the pack
- **PC8.** inspect that tools and fitments required for the installation are available
- **PC9.** dispose off the packaging material waste as per company's norms
- **PC10.** measure the location to drill holes ensuring that no internal wiring damage takes place
- **PC11.** Install using smart tools (digital manifold gauges, vacuum pumps with Bluetooth), inverter ACs, window AC and Split AC
- PC12. place the outdoor unit at a suitable location and attach it firmly to wall/floor
- **PC13.** connect the indoor and the outdoor units using the field copper pipe of appropriate size and interconnecting cables
- **PC14.** fill in additional gas if the distance between the indoor and the outdoor units is more than what is recommended









- **PC15.** align the air conditioner as per the instructions manual and make necessary power supply connections
- **PC16.** demonstrate the features/utility to customer for the new installation while explaining the precautions to be taken while using the air conditioner

### Analyze symptoms, identify and rectify faults

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

- PC17. analyze usage pattern of the air conditioner from the customer
- **PC18.** diagnose the fault based on customer interaction and initial inspection by carrying out basic tests such as power supply inspection, volt ampere test, etc.
- **PC19.** separate and inspect every module of the unit if the fault is not identified through basic tests
- **PC20.** plan to send air conditioner to factory for in-depth diagnosis, if problem cannot be identified at site
- **PC21.** repair or replace faulty part as per requirement at customer location or send it to service center on time in case immediate repair is not possible for specialized parts such as PCB
- PC22. plan second visit to replace dysfunctional module/part after collecting it from service center
- **PC23.** carry out brazing operation at the customer premise or pass the complaint on to a specialist in-charge of handling brazing, if the fault identified is a gas leak
- PC24. reassemble the unit after rectifying identified fault
- **PC25.** check that all the modules of the unit work as per specifications and confirm functionality to the customer
- **PC26.** collect necessary payment from the customer as per rate sheet/ communication from customer care and provide the receipt

### Complete documentation

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

- **PC27.** fill in customer acknowledgement form and seek customer's signature
- **PC28.** complete documentation for recording installation/repair of air conditioner and update the company ERP software for tracking/future references
- **PC29.** inform customer care and supervisor about job completion

## **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** Understanding of different types of air conditioners (split, window, inverter) and their installation requirements.
- **KU2.** Knowledge of structural, electrical, and safety requirements for AC installation.
- **KU3.** Awareness of pre-installation checks and site assessment procedures.
- **KU4.** Familiarity with tools, accessories, and smart instruments such as digital manifold gauges, vacuum pumps, and other installation equipment.
- **KU5.** Understanding of handling, packaging, and transportation precautions for AC units.
- **KU6.** Knowledge of interconnection methods, piping, gas charging, and electrical wiring for indoor and outdoor units.
- **KU7.** Awareness of basic diagnostic methods, tests, and fault identification techniques for AC units.









- **KU8.** Knowledge of repair/replacement procedures for faulty modules, including brazing and specialized parts handling.
- **KU9.** Understanding of customer service procedures, payment collection, and communication during installation and repair.
- **KU10.** Familiarity with documentation practices, ERP software updates, and company norms for waste disposal and service tracking

## **Generic Skills (GS)**

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

- **GS1.** Ability to analyze work requirements and plan pre-installation checks effectively.
- **GS2.** Skill in interacting professionally with customers to explain installation needs and obtain approvals.
- **GS3.** Competence in marking, measuring, and aligning AC units accurately according to manuals.
- **GS4.** Ability to handle and install AC units safely without causing damage.
- **GS5.** Proficiency in using smart tools and carrying out installation tasks (mounting, piping, wiring) correctly.
- **GS6.** Capability to diagnose faults systematically using basic tests and inspection.
- **GS7.** Skill in repairing or replacing faulty parts on-site or coordinating with the service center efficiently.
- **GS8.** Time management to plan visits, follow-ups, and second visits for module replacement.
- **GS9.** Professional communication and documentation skills to update records, ERP software, and obtain customer acknowledgment.
- **GS10.** Maintaining safety, quality standards, and customer satisfaction throughout installation and repair.









## **Assessment Criteria**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Perform pre-installation checks	10	7	-	1
<b>PC1.</b> analyze the work requirements by interacting with the supervisor	-	-	-	-
<b>PC2.</b> plan to visit customer premises to understand the installation position of air conditioner such as window, split, high, low, etc	-	-	-	-
<b>PC3.</b> check that the location meets structural requirements such as distance from power supply, distance from windows/doors being opened frequently	-	-	-	-
<b>PC4.</b> inform customer about any pre installations/masonry/electrical work to be carried out	-	-	-	-
<b>PC5.</b> mark position for placement of indoor/outdoor units to get customer confirmation on position and installation on next visit	-	-	-	-
Install the air conditioner	16	22	-	3
<b>PC6.</b> remove the air conditioner packaging without causing any damage and ensure that it matches the customer order in terms of colour and make	-	-	-	-
<b>PC7.</b> check that all supporting accessories are available in the pack	-	-	-	-
<b>PC8.</b> inspect that tools and fitments required for the installation are available	-	-	-	-
<b>PC9.</b> dispose off the packaging material waste as per company's norms	-	-	-	-
<b>PC10.</b> measure the location to drill holes ensuring that no internal wiring damage takes place	-	-	-	-
<b>PC11.</b> Install using smart tools (digital manifold gauges, vacuum pumps with Bluetooth), inverter ACs, window AC and Split AC	-	-	-	-









Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> place the outdoor unit at a suitable location and attach it firmly to wall/floor	-	-	-	-
<b>PC13.</b> connect the indoor and the outdoor units using the field copper pipe of appropriate size and interconnecting cables	-	-	-	-
<b>PC14.</b> fill in additional gas if the distance between the indoor and the outdoor units is more than what is recommended	-	-	-	-
<b>PC15.</b> align the air conditioner as per the instructions manual and make necessary power supply connections	-	-	-	-
<b>PC16.</b> demonstrate the features/utility to customer for the new installation while explaining the precautions to be taken while using the air conditioner	-	-	-	-
Analyze symptoms, identify and rectify faults	11	17	-	5
<b>PC17.</b> analyze usage pattern of the air conditioner from the customer	-	-	-	-
<b>PC18.</b> diagnose the fault based on customer interaction and initial inspection by carrying out basic tests such as power supply inspection, volt ampere test, etc.	-	-	-	-
<b>PC19.</b> separate and inspect every module of the unit if the fault is not identified through basic tests	-	-	-	-
<b>PC20.</b> plan to send air conditioner to factory for indepth diagnosis, if problem cannot be identified at site	-	-	-	-
PC21. repair or replace faulty part as per requirement at customer location or send it to service center on time in case immediate repair is not possible for specialized parts such as PCB	-	-	-	-
<b>PC22.</b> plan second visit to replace dysfunctional module/part after collecting it from service center	-	-	-	-









Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC23.</b> carry out brazing operation at the customer premise or pass the complaint on to a specialist incharge of handling brazing, if the fault identified is a gas leak	-	-	-	-
<b>PC24.</b> reassemble the unit after rectifying identified fault	-	-	-	-
<b>PC25.</b> check that all the modules of the unit work as per specifications and confirm functionality to the customer	-	-	-	-
<b>PC26.</b> collect necessary payment from the customer as per rate sheet/ communication from customer care and provide the receipt	-	-	-	-
Complete documentation	3	4	-	1
<b>PC27.</b> fill in customer acknowledgement form and seek customer's signature	-	-	-	-
PC28. complete documentation for recording installation/repair of air conditioner and update the company ERP software for tracking/future references	-	-	-	-
<b>PC29.</b> inform customer care and supervisor about job completion	-	-	-	-
NOS Total	40	50	-	10









## **National Occupational Standards (NOS) Parameters**

NOS Code	ELE/N3108
NOS Name	Perform installation and repair of air conditioner
Sector	Electronics
Sub-Sector	Consumer Electronics & IT Hardware
Occupation	AFTER SALES SERVICE
NSQF Level	4
Credits	8
Version	3.0
Last Reviewed Date	07/10/2025
Next Review Date	07/10/2028
NSQC Clearance Date	07/10/2025









## **DGT/VSQ/N0101: Employability Skills (30 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
- 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. understand the significance of employability skills in meeting the job requirements

#### Constitutional values - Citizenship

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

**PC2.** identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

### Becoming a Professional in the 21st Century

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

**PC3.** explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

#### Basic English Skills

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

**PC4.** speak with others using some basic English phrases or sentences

#### Communication Skills

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

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team









### **Diversity & Inclusion**

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

- **PC7.** communicate and behave appropriately with all genders and PwD
- PC8. report any issues related to sexual harassment

### Financial and Legal Literacy

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

- **PC9.** use various financial products and services safely and securely
- **PC10.** calculate income, expenses, savings etc.
- **PC11.** approach the concerned authorities for any exploitation as per legal rights and laws

## Essential Digital Skills

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

- PC12. operate digital devices and use its features and applications securely and safely
- **PC13.** use internet and social media platforms securely and safely

### Entrepreneurship

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

- PC14. identify and assess opportunities for potential business
- PC15. identify sources for arranging money and associated financial and legal challenges

#### **Customer Service**

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

- **PC16.** identify different types of customers
- **PC17.** identify customer needs and address them appropriately
- **PC18.** follow appropriate hygiene and grooming standards

### Getting ready for apprenticeship & Jobs

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

- PC19. create a basic biodata
- **PC20.** search for suitable jobs and apply
- PC21. identify and register apprenticeship opportunities as per requirement

## **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** need for employability skills
- **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 basic spoken English language
- **KU6.** Do and dont of effective communication
- **KU7.** inclusivity and its importance
- KU8. different types of disabilities and appropriate communication and behaviour towards PwD
- **KU9.** different types of financial products and services









- **KU10.** how to compute income and expenses
- KU11. importance of maintaining safety and security in financial transactions
- **KU12.** different legal rights and laws
- **KU13.** how to operate digital devices and applications safely and securely
- KU14. ways to identify business opportunities
- KU15. types of customers and their needs
- **KU16.** how to apply for a job and prepare for an interview
- **KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

## **Generic Skills (GS)**

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

- **GS1.** communicate effectively using appropriate language
- GS2. behave politely and appropriately with all
- **GS3.** perform basic calculations
- **GS4.** solve problems effectively
- **GS5.** be careful and attentive at work
- **GS6.** use time effectively
- **GS7.** maintain hygiene and sanitisation to avoid infection









## **Assessment Criteria**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Introduction to Employability Skills	1	1	-	-
<b>PC1.</b> understand the significance of employability skills in meeting the job requirements	-	-	-	-
Constitutional values - Citizenship	1	1	-	-
<b>PC2.</b> identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
Becoming a Professional in the 21st Century	1	3	-	-
<b>PC3.</b> explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
Basic English Skills	2	3	-	-
<b>PC4.</b> speak with others using some basic English phrases or sentences	-	-	-	-
Communication Skills	1	1	-	-
<b>PC5.</b> follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
Diversity & Inclusion	1	1	-	-
<b>PC7.</b> communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	_
Financial and Legal Literacy	3	4	-	-
<b>PC9.</b> use various financial products and services safely and securely	-	-	-	-









Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. calculate income, expenses, savings etc.	-	-	-	-
<b>PC11.</b> approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
Essential Digital Skills	4	6	-	-
<b>PC12.</b> operate digital devices and use its features and applications securely and safely	-	-	-	-
<b>PC13.</b> use internet and social media platforms securely and safely	-	-	-	-
Entrepreneurship	3	5	-	-
<b>PC14.</b> identify and assess opportunities for potential business	-	-	-	-
<b>PC15.</b> identify sources for arranging money and associated financial and legal challenges	-	-	-	-
Customer Service	2	2	-	-
PC16. identify different types of customers	-	-	-	-
<b>PC17.</b> identify customer needs and address them appropriately	-	-	-	-
<b>PC18.</b> follow appropriate hygiene and grooming standards	-	-	-	-
Getting ready for apprenticeship & Jobs	1	3	-	-
PC19. create a basic biodata	-	-	-	-
PC20. search for suitable jobs and apply	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	_
NOS Total	20	30	-	-









## **National Occupational Standards (NOS) Parameters**

NOS Code	DGT/VSQ/N0101
NOS Name	Employability Skills (30 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	2
Credits	1
Version	1.0
Last Reviewed Date	17/12/2024
Next Review Date	17/12/2027
NSQC Clearance Date	17/12/2024

## Assessment Guidelines and Assessment Weightage

### **Assessment Guidelines**

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each 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 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 centre (as per assessment criteria below).
- 5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criterion.
- 6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.
- 7. In case of unsuccessful completion, the trainee may seek reassessment on the 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
ELE/N3101.Engage with customer for service	40	50	-	10	100	40
ELE/N3108.Perform installation and repair of air conditioner	40	50	-	10	100	40
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	20
Total	100	130	-	20	250	100









## Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards









## 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.	









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.	
Declarative Knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem.	
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application).	
OJT (M)	On-the-job training (Mandatory) trainees are mandated to complete specified hours of training on site	
OJT (R)	On-the-job training (Recommended) trainees are recommended the specified hours of training on site	
Procedural Knowledge	Procedural knowledge addresses how to do something, or how to perform a task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psychomotor skills.	
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon the completion of the training.	









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Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome.