

Model Curriculum

QP Name: Multi Skill Technician - Consumer Durables

QP Code: ELE/Q3118

QP Version: 1.0

NSQF Level: 4

Model Curriculum Version: 1.0

Electronics Sector Skills Council of India || 155, 2nd Floor ESC House, Okhla Industrial Area – Phase 3, New Delhi - 110020







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Training Parameters

Sector	Electronics
Sub-Sector	Consumer Electronics and IT Hardware
Occupation	After Sales Service
Country	India
NSQF Level	4
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7421.0701
Minimum Educational Qualification and Experience	8th grade pass + NTC (2 years after 8th) with 2 years of NAC/relevant experience OR 10th grade pass with 2 years NTC/NAC/relevant experience OR 12th grade pass OR Certificate (NSQF Level-3 in the Electrical Technician) with 2 years of relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	17/11/2022
Next Review Date	17/11/2025
NSQC Approval Date	17/11/2022
QP Version	1.0
Model Curriculum Creation Date	17/11/2022
Model Curriculum Valid Up to Date	17/11/2025
Model Curriculum Version	1.0
Minimum Duration of the Course	660 Hours







Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills.

Elective 1

- Perform installation and repairing of refrigerator (DIOS).
- Perform installation and repairing of washing machine.
- Perform installation and repairing of dish washer.
- Perform installation and repairing of air conditioner.
- Perform gas charging in AC and refrigerator.

Elective 2

- Perform installation and repairing of TV.
- Perform installation and repairing of microwave.
- Perform installation and repairing of water purifier (DIOS).
- Perform installation and repairing of basic refrigerator and washing machine.
- Perform installation and repairing of QLED TV/monitor.

Elective Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

Elective 1

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
ELE/N3169 - Installation and repair of Refrigerator (DIOS) NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00	-	120:00
Module 1: Introduction to the role of Multi skill Technician - Consumer Durables	5:00	0:00	-	-	5:00
Module 2: Install and repair Refrigerator (DIOS)	40:00	50:00	25:00	-	115:00
ELE/N3170 - Installation and repair of Washing machine NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00	-	120:00
Module 3: Install and repair washing machine	45:00	50:00	25:00	-	120:00
ELE/N3163 - Installation and repair of Dish Washer NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00	-	120:00
Module 4: Install and repair dish washer	45:00	50:00	25:00	-	120:00







ELE/N3162 - Installation and repair of Air Conditioner NOS Version No. 1.0 NSQF Level 4	45:00	80:00	25:00	-	150:00
Module 5: Install and repair air conditioner	45:00	80:00	25:00	-	150:00
ELE/N3161 - Gas Charging in the refrigerator and AC NOS Version No. 1.0 NSQF Level 4	30:00	40:00	20:00	-	90:00
Module 6: Perform gas charging in refrigerator and AC	30:00	40:00	20:00	-	90:00
Total Duration	210:00	270:00	120:00	-	600:00

Elective 2

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
ELE/N3168 - Installation and repair of TV NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00		120:00
Module 7: Install and repair TV	45:00	50:00	25:00		115:00
ELE/N3167 - Installation and repair of microwave NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00		120:00
Module 8: Install and repair microwave	45:00	50:00	25:00		120:00
ELE/3166 - Installation and repair of water purifier NOS Version No. 1.0 NSQF Level 4	45:00	50:00	25:00		120:00
Module 9: Install and repair water purifier	45:00	50:00	25:00		120:00
ELE/N3165 - Installation and repair of basic refrigerator and washing machine NOS Version No. 1.0 NSQF Level 4	45:00	80:00	25:00		150:00
Module 10: Install and repair refrigerator and washing machine	45:00	80:00	25:00		150:00
ELE/N3164 - Installation and repair of OLED TV/ Monitor NOS Version No. 1.0 NSQF Level 4	30:00	40:00	20:00		90:00
Module 11: Install and repair OLED TV/monitor	30:00	40:00	20:00		90:00
Total Duration	210:00	270:00	120:00		600:00





Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
DGT/VSQ/N0102 - Employability Skills (60 hours) NOS Version No. – 1.0 NSQF Level – 5	24:00	36:00	-	-	60:00
Module 12: Introduction to Employability Skills	0.5:00	1:00	-	-	1.5:00
Module 13: Constitutional values - Citizenship	0.5:00	1:00	-	-	1.5:00
Module 14: Becoming a Professional in the 21st Century	1:00	1.5:00	-	-	2.5:00
Module 15: Basic English Skills	4:00	6:00	-	-	10:00
Module 16: Career Development & Goal Setting	1:00	1:00	-	-	2:00
Module 17: Communication Skills	2:00	3:00	-	-	5:00
Module 18: Diversity & Inclusion	1:00	1.5:00	-	-	2.5:00
Module 19: Financial and Legal Literacy	2:00	3:00	-	-	5:00
Module 20: Essential Digital Skills	4:00	6:00	-	-	10:00
Module 21: Entrepreneurship	3:00	4:00	-	-	7:00
Module 22: Customer Service	2:00	3:00	-	-	5:00
Module 23: Getting ready for apprenticeship & Jobs	3:00	5:00	-	-	8:00
Total Duration	24:00	36:00	-	-	60:00





Module Details

Module 1: Introduction to the role of Multi skill Technician - Consumer Durables *Mapped to ELE/Q3118, v1.0*

Terminal Outcomes:

• List the role and responsibilities of a Multi skill Technician - Consumer Durables.

Duration: 5:00	Duration: 0:00	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
 Describe the size and scope of the electronics industry and its various sub- sectors. 		
 Discuss the various opportunities for a Multi skill Technician - Consumer Durables in the industry. 		
• Define the basics of electronics and related concepts.		
 Discuss the role and responsibilities of a Multi skill Technician - Consumer Durables. Describe functioning of basic electronics (knowledge of components such as diode, transformer, LED, photo transistor, capacitor, resistor, inductor, thermistor, ICs. Describe fundamentals of electricity such as 		
ohms law, difference between ac and dc,		
Classroom Aids:		
Laptop, white board, marker, projector		
Tools, Equipment and Other Requirements		
Voltmeter, Ammeter, Wattmeter, basic components		





Module 2: Install and repair Refrigerator (DIOS)

Mapped to ELE/N3169, v1.0

- Perform steps to install a refrigerator (DIOS).
- Perform steps to troubleshoot and repair a refrigerator (DIOS).

Duration : <i>40:00</i>	Duration: 50:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the information and details required for the installation and repairing of Refrigerator (DIOS) at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of various electromechanical parts of the refrigerator Describe various functions and features of refrigerator (DIOS) on various temperature settings. Describe method of refrigeration, its use and functioning of refrigerator sealed system. Describe different types of refrigerants such as R12, R22, R134a, R290, R600a, R410, R32 and their application. List all the supporting accessories available with the Refrigerator (DIOS). Discuss the space requirements for placing the Refrigerator (DIOS). List the basic requirements like availability of power point, surface level, distance from wall etc. for installing the Refrigerator (DIOS) at customer site. Discuss the effects of exposing the rear of the appliance and placing the appliance and placing the appliance in a damp and dusty place. 	 Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the refrigerator (DIOS) packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the appliance on a firm and level floor and fix all the accessories and parts as per SOP. Demonstrate the organisational procedure of connecting the refrigerator to the power point and setting temperature parameters. Demonstrate the various functions and features of refrigerator (DIOS) on various temperature settings and use of control panel. Show how to check that outlet socket is properly grounded, and earth pin on the power cord is not damaged or removed from the power plug. Demonstrate the organisational procedure of installing the smart feature application of refrigerator (DIOS) in customer's smartphone and connecting the refrigerator with customer's smartphone. Show how to operate and monitor the functioning of refrigerator through application. Show how to guide the customer on day-to-day care activities and precautions while using the refrigerator (DIOS). Demonstrate the organisational procedure of assembling and dismantling the components of refrigerator (DIOS).





 Discuss the need of proper grounding of outlet socket and no damage of earth pin on the power cord. Discuss the importance of following day-to-day care activities and precautions while using the refrigerator (DIOS). Discuss the problems/unusual conditions generally occurred in a refrigerator (DIOS). List the steps to be performed for troubleshooting and repairing of refrigerator (DIOS). Discuss the documents need to prepare and maintain related to installation and repairing work. Discuss the documents need to prepare and maintain related to installation and repairing work. Show how to clear up the packaging
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Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

Refrigerator (DIOS), Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, different types of refrigerants, PPE, Sample documents





Module 3: Install and repair washing machine

Mapped to ELE/N3170, v1.0

- Perform steps to install a washing machine.
- Perform steps to troubleshoot and repair a washing machine.

Duration: 45:00	Duration: 50:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the information and details required for the installation and repairing of washing machine at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of different types of washing machine. Describe functioning of various parts of the washing machine. Describe various functions and features of washing machine. Describe various cleaning cycle of washing machine. List all the supporting accessories available with the washing machine (automatic and semi-automatic). Discuss the space requirements for placing the washing machine. List the basic requirements like availability of power outlet, surface level, water supply etc. for installing the washing machine against an exterior wall to the drain hose running along the inside wall. Discuss the importance of following day-to-day care activities and precautions while using the washing machine. 	 Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the washing machine packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the washing machine on a firm and level floor and fix all the accessories and parts as per SOP. Demonstrate the organisational procedure of connecting the water hose and drain pipe with the washing machine and water supply tap. Show how to remove all transport pins inside the drum of the washing machine before starting the machine. Show how to plug the power cord in the power outlet, start the washing machine and open the water supply valve. Show how to operate and monitor the functioning of washing machine. Apply appropriate ways to check that there are no leaks and the machine is in a safe and stable condition. Demonstrate the organisational procedure of various washing operations. Show how to guide the customer on day-to-day care activities and precautions while using the washing machine. Demonstrate the organisational procedure of assembling and dismantling the components of washing machine. Apply appropriate ways to troubleshoot washing machine to identify the faults and faulty component





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 List the steps to be performed for troubleshooting and repairing of washing machine. Discuss the documents need to prepare and maintain related to installation and repairing work. 	 Show how to identify the cycle (fill/wash and rinse/spin and drain) during which the problem occurs. Apply appropriate ways to inspect basic parts such as valve strainers, fill hose, drain line, pressure tube, water valves, pressure sensor, motors, transformer, pulley and belt system, motor starting switch, solenoid, clutch lining etc. of washing machine. Apply appropriate ways to repair or replace the faulty components from washing machine. Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit. Apply appropriate ways to check the washing machine for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the documentation.

Classroom Aids:

Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

Washing machine (Automatic and semi-automatic), Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 4: Install and repair dish washer

Mapped to ELE/N3163, v1.0

- Perform steps to install a dish washer.
- Perform steps to troubleshoot and repair a dish washer.

Duration: 45:00	Duration: 50:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the information and details required for the installation and repairing of dish washer at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of different types of dish washer. Describe functioning of various parts of the dish washer. Describe various functions and features of dish washer. Describe various cleaning cycle of dish washer. List all the supporting accessories available with the dish washer. Discuss the space and location requirements for placing the dish washer. List the basic requirements like availability of power outlet, surface level, clearance with wall or cabinet etc. for installing the dish washer. Discuss the importance of following dayto-day care activities and precautions while using the dish washer. List the steps to be performed for troubleshooting and repairing of dish washer. Discuss the documents need to prepare and maintain related to installation and repairing work 	 Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the dish washer packaging and check the product specifications with the billing invoice. Apply appropriate ways to make cuts for hoses and electric cables in the shelve. Apply appropriate ways to place the dish washer properly at levelled surface and install moisture barrier, water supply hose, drain hose, other parts and accessories as per SOP. Show how to plug the power cord in the power outlet, start the dish washer and open the water supply valve. Show how to operate and monitor the functioning of dish washer. Apply appropriate ways to check that there are no leaks and the machine is in a safe and stable condition. Demonstrate the various functions and features of dish washer on various settings and use of control panel. Demonstrate the features, functioning and use of control panel of dish washer for various washing operations. Show how to guide the customer on day-to-day care activities and precautions while using the dish washer. Apply appropriate ways to troubleshoot dish washer to identify the faults and faulty component.







 Apply appropriate ways to inspect basic parts of dish washer. Apply appropriate ways to repair or replace the faulty components from dish washer. Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit
 Apply appropriate ways to check the dish washer for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the documentation
tached to LCD projector, scanner, computer
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Tools, Equipment and Other Requirements

Dish washer, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 5: Install and repair Air Conditioner (AC)

Mapped to ELE/N3162, v1.0

- Perform steps to install an AC.
- Perform steps to troubleshoot and repair an AC.

Dur	ation: 45:00	Duration: 80:00
The	ory – Key Learning Outcomes	Practical – Key Learning Outcomes
•	Discuss the information and details	 Demonstrate the use of tools and aquipment required
	of an AC at customer site.	 Apply appropriate ways to check the
•	List the tools and equipment required for	functionality of tools and equipment
	installation and repairing work.	before use.
•	List PPE require during work.	• Show how to remove the AC packaging and
•	List various types of health and safety	check the product specifications with the
	nazards commonly present in the work	 Demonstrate organisational procedure of
•	Explain the necessary precautions need to	installing a window AC.
	follow during work to avoid any hazard or	 Apply appropriate ways to measure the
	accident.	space for installation to assure a good fit.
•	List different types of air conditioners.	• Show how to install the circuit breaker
•	Describe functioning of various parts of the	switch (if not available) and fix all the parts
•	AC. Describe various functions and features of	 Apply appropriate ways to install the AC
•	an AC on various temperature settings.	unit in the window as per SOP.
•	Describe method of cooling, its use and	• Show how to connect the power cord with
	functioning of AC.	the circuit breaker switch, start the AC and
•	Describe different types of refrigerants	check the functioning of AC by using
-	and their application.	remote
•	List all the supporting accessories available with the AC	 Demonstrate organisational procedure of installing a solit AC
•	List the steps to be performed for installing	 Show how to install and mount the indoor
	a window AC.	and outdoor unit at a suitable location and
•	Discuss the structural requirements such	attach it firmly to wall/floor.
	as distance from power supply, distance	• Show how to connect the indoor and the
	from windows/doors required for	outdoor units using the field copper pipe of
•	list the steps to be performed for installing	appropriate size and interconnecting cables.
	a split AC.	 Show how to fill the air conditioning gas if
•	Discuss the pre installations/masonry/	required.
	electrical work to be carried out and	• Demonstrate the various functions and
	requirement of concealed drainage and	features of AC on various temperature
•	electric conduits for a split AC.	settings and use of control panel.
•	to-day care activities and precautions	to-day care activities and precautions
	while using the AC.	while using the AC.







 Discuss the problems/unusual conditions generally occurred in AC. List the steps to be performed for troubleshooting and repairing of AC. Discuss the documents need to prepare and maintain related to installation and repairing work. 	 Demonstrate the organisational procedure of assembling and dismantling the components of AC. Show how to check the AC for servicing requirements and clean the air conditioner filter, indoor and outdoor unit, drain hose etc. as per the SOP. Show how to refill the gas in AC. Apply appropriate ways to troubleshoot AC to identify the faults and faulty component. Apply appropriate ways to repair or replace the faulty components from AC. Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit. Apply appropriate ways to check the AC for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the

Classroom Aids:

Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

AC (split and window) Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, different types of refrigerants, PPE, Sample documents

documentation





N·S·D·C National Skill Development Corporation

Module 6: Perform gas charging in refrigerator and AC

Mapped to ELE/N3161, v1.0

Terminal Outcomes:

- Perform steps to fill gas in a refrigerator.
- Perform steps to fill gas in AC.

Duration: 30:00	Duration: 40:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 charging work in a refrigerator and AC. List tools and equipment required during work. Describe selection criteria of gas. List the steps to be performed for filling the gas in AC and refrigerator. Describe refrigeration cycle and functioning of the appliance and its various modules. Describe method of refrigerator sealed system List types of refrigerants such as R12, R22, R134a, R290, R600a, R410, R32 use of different brazing sticks, types of brazing torches and their application. Show how to connect the equipment piper with the gas inlet and tighten it properly. Apply appropriate ways to check the AC for after servicing work. Show how to collect the payments if the unit is not in warranty and complete the documentation. 	
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Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

AC (split and window), Refrigerator, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, gas for refrigerator and AC, PPE, pressure gauge





Module 7: Install and repair TV

Mapped to ELE/N3168, v1.0

- Perform steps to install a TV.
- Perform steps to troubleshoot and repair a TV.

Duration: <i>45:00</i>	Duration: 50:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the information and details required for the installation and repairing of TV at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of different types of TV. Describe functioning of various parts of the TV. Describe various functions and features of TV on different settings. List all the supporting accessories available with the TV. Discuss the space and location requirements for placing the TV. List the basic requirements like availability of power outlet, surface level etc. for installing the TV at customer site. Discuss the importance of following dayto-day care activities and precautions while using the TV. List the steps to be performed for troubleshooting and repairing of TV. Discuss the documents need to prepare and maintain related to installation and repairing work. 	 Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the TV packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the TV properly on table and install other parts and accessories as per SOP. Demonstrate organisational procedure of mounting the TV on wall as per SOP. Show how to plug the power cord in the power outlet, start the TV. Show how to connect the TV to a wall antenna socket or a satellite dish socket as per the instructions. Show how to turn on the TV and adjust the MENU settings as per customer requirements and instructions. Demonstrate the functions of TV such as use of USB, HDMI cable, wireless connectivity etc. Show how to guide the customer on dayto-day care activities and precautions while using the TV. Demonstrate the organisational procedure of assembling and dismantling the components of TV. Apply appropriate ways to inspect basic parts of TV. Apply appropriate ways to repair or replace the faulty components from TV. Dramatize a situation to send the repairing





center and repair the faulty component on second visit.

- Apply appropriate ways to check the TV for proper functionality after service and repair work.
- Show how to clear up the packaging material waste and dispose as per company's norms
- Show how to collect the payments if the unit is not in warranty and complete the documentation

Classroom Aids:

Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

TV, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 8: Install and repair Microwave

Mapped to ELE/N3167, v1.0

- Perform steps to install a microwave.
- Perform steps to troubleshoot and repair a microwave.

Duration: 45:00	Duration: 50:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
• Discuss the information and details required for the installation and repairing of microwave at customer site	 Demonstrate the use of tools and equipment required. Apply appropriate ways to check the
 List the tools and equipment required for installation and repairing work. 	functionality of tools and equipment before use.
 List various types of health and safety hazards commonly present in the work 	 and the remove the introduct packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the
 Explain the necessary precautions need to follow during work to avoid any hazard or accident 	 Appropriate ways to place the microwave properly surface and install other parts and accessories as per SOP. Show how to plug the power cord in the surface and install in the power cord in the surface and install in the surface and in the surface and in the surface and install in the surface
 Describe functioning of different types of microwave. 	 Show how to plug the power cord in the power outlet, start the microwave. Show how to turn on the microwave and
 Describe functioning of various parts of the microwave. Describe various functions and features of 	adjust the MENU settings as per customer requirements and instructions.
 Describe various runctions and reactives of microwave on different settings. List all the supporting accessories available 	and safety features of microwave to the customer as per the instructions.
with the microwave.Discuss the space and location	• Show how to guide the customer on day- to-day care activities and precautions
 List the basic requirements like availability of power outlet, surface level etc. for installing the microwave at customer site. 	 Demonstrate the organisational procedure of assembling and dismantling the components of microwave.
• Discuss the importance of following day- to-day care activities and precautions while using the microwave.	• Apply appropriate ways to troubleshoot microwave to identify the faults and faulty component.
• Discuss the problems/unusual conditions generally occurred in a microwave.	 Apply appropriate ways to inspect basic parts of microwave.
 List the steps to be performed for troubleshooting and repairing of microwave. 	 Apply appropriate ways to repair or replace the faulty components from microwave.
 Discuss the documents need to prepare and maintain related to installation and repairing work. 	 Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit.







 Apply appropriate ways to check the microwave for proper functionality after service and repair work.
 Show how to clear up the packaging material waste and dispose as per company's norms.
• Show how to collect the payments if the unit is not in warranty and complete the documentation.

Classroom Aids:

Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

Microwave, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 9: Install and repair water purifier

Mapped to ELE/N3166, v1.0

- Perform steps to install a water purifier.
- Perform steps to troubleshoot and repair a water purifier.

Duration : 45:0	0	Duration: 50:00
Theory – Key L	earning Outcomes	Practical – Key Learning Outcomes
 Theory – Key L Discuss required of water p List the to installation List PPE role List varion hazards of environm Explain the follow du accident. Describe water pur Describe to water pur List all the with the of Discuss requirem purifier. List the bit of powe supply et at custom 	earning Outcomes the information and details for the installation and repairing purifier at customer site. Tools and equipment required for on and repairing work. equire during work. equire during work. Tous types of health and safety commonly present in the work ent. The necessary precautions need to ring work to avoid any hazard or functioning of different types of rifier. functioning of various parts of the rifier. various functions and features of rifier on different settings. e supporting accessories available dish washer. the space and location ents for installing the water asic requirements like availability r outlet, surface level, water c. for installing the water purifier the space of filling the purifier tank	 Practical - Key Learning Outcomes Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the water purifier packaging and check the product specifications with the billing invoice. Apply appropriate ways to mount the water purifier properly and install other parts and accessories as per SOP. Show how to connect the water hose and drain pipe with the water purifier and water supply tap as per the instructions. Show how to oplug the power cord in the power outlet, start the water purifier and open the water supply valve. Show how to operate and monitor the functioning of water purifier. Apply appropriate ways to check that there are no leaks and the machine is in a safe and stable condition. Demonstrate the features, functioning and use of control panel of water purifier. Show how to guide the customer on day-to-day care activities and precautions while using the water purifier.
 Discuss thand discharge time. 	ne need of filling the purifier tank narging some water for the first	 Demonstrate the organisational procedure of assembling and dismantling the components of water purifier.
 Discuss the to-day c while using 	he importance of following day- are activities and precautions ng the water purifier.	• Show how to check the water purifier for any servicing requirements and clean its filter, drain and water hose etc. as per the
 Discuss the generally List the troublesh purifier. 	he problems/unusual conditions occurred in a water purifier. steps to be performed for ooting and repairing of water	 SOP. Apply appropriate ways to troubleshoot water purifier to identify the faults and faulty component. Apply appropriate ways to inspect basic parts of water purifier.





Discuss the documents need to prepare and maintain related to installation and repairing work.	 Show how to clean or change the filter as per the requirement. Apply appropriate ways to repair or replace the faulty components from water purifier. Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit. Apply appropriate ways to check the water purifier for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the documentation

Classroom Aids:

Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

Water purifier, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents







Module 10: Install and repair basic refrigerator and washing machine

Mapped to ELE/N3165, v1.0

- Perform steps to install a refrigerator and washing machine.
- Perform steps to troubleshoot and repair a refrigerator and washing machine.

Duration: 45:00	Duration: 80:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Theory - Key Learning Outcomes Discuss the information and details required for the installation and repairing of water purifier at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of different types of refrigerator i.e. single door or double door. Describe functioning of various parts of the refrigerator. Describe various functions and features of refrigerator and its components. List all the supporting accessories available with the refrigerator. Discuss the space and location requirements for installing the refrigerator. List the basic requirements like wall, availability of power outlet, and platform height etc. for installing the refrigerator at customer site. Discuss the importance of following day-to-day care activities and precautions while using the refrigerator. 	 Practical – Key Learning Outcomes Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the refrigerator packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the refrigerator properly and install other parts and accessories as per SOP. Show how to start the refrigerator, set temperature parameters and demonstrate the functions of refrigerator to the customer. Show how to guide the customer on day-to-day care activities and precautions while using the refrigerator. Demonstrate the organisational procedure of assembling and dismantling the components of refrigerator. Apply appropriate ways to troubleshoot refrigerator to identify the faults and faulty component. Show how to refill the gas in refrigerator. Apply appropriate ways to repair or replace the faulty components from refrigerator.
• Discuss the problems/unusual conditions generally occurred in a refrigerator.	• Apply appropriate ways to check the refrigerator for proper functionality after
 List the steps to be performed for troubleshooting and repairing of refrigerator. Describe functioning of manual washing machine and its parts. List all the supporting accessories available with the manual washing machine 	 Service and repair work. Demonstrate the steps to be performed for installing a manual washing machine. Show how to remove the manual washing machine packaging and check the product specifications with the billing invoice.







 biscuss the space and location requirements for installing the manual washing machine. List the basic requirements like wall, availability of distance from wall, availability of power outlet etc. for installing the manual washing machine at customer site. Discuss the importance of following day-to-day care activities and precautions while using the manual washing machine. Discuss the problems/unusual conditions generally occurred in a manual washing machine. List the steps to be performed for troubleshooting and repairing of manual washing machine. Discuss the documents need to prepare and maintain related to installation and repairing work. 	 Apply appropriate ways to prace the manual washing machine properly and install other parts and accessories as per SOP. Show how to connect the washing machine and start it to demonstrate the functions of washing machine and use of wash setting buttons to the customer. Show how to guide the customer on dayto-day care activities and precautions while using the manual washing machine. Demonstrate the organisational procedure of assembling and dismantling the components of manual washing machine. Apply appropriate ways to troubleshoot manual washing machine to identify the faults and faulty component. Apply appropriate ways to inspect basic parts of manual washing machine. Apply appropriate ways to repair or replace the faulty components from manual washing machine. Apply appropriate ways to check the manual washing machine for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the documentation
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Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers

Tools, Equipment and Other Requirements

Refrigerator, Manual washing machine, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 11: Install and repair OLED/Monitor TV

Mapped to ELE/N3164, v1.0

- Perform steps to install a OLED TV/Monitor.
- Perform steps to troubleshoot and repair a OLED TV/Monitor.

Duration: 30:00	Duration : <i>40:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the information and details required for the installation and repairing of OLED TV/Monitor at customer site. List the tools and equipment required for installation and repairing work. List PPE require during work. List various types of health and safety hazards commonly present in the work environment. Explain the necessary precautions need to follow during work to avoid any hazard or accident. Describe functioning of OLED TV/monitor and their various parts. List all the supporting accessories available with the OLED TV/Monitor. Discuss the space and location requirements for placing or mounting the OLED TV/Monitor. 	 Practical – Key Learning Outcomes Demonstrate the use of tools and equipment required. Apply appropriate ways to check the functionality of tools and equipment before use. Show how to remove the OLED TV/Monitor packaging and check the product specifications with the billing invoice. Apply appropriate ways to place the OLED TV/Monitor properly on table and install other parts and accessories as per SOP. Demonstrate organisational procedure of mounting the OLED TV/Monitor on wall as per SOP. Show how to plug the power cord in the power outlet, start the OLED TV/Monitor. Show how to connect the OLED TV/Monitor to a wall antenna socket or a
 List the basic requirements like availability of power outlet, surface level etc. for installing the OLED TV/Monitor at customer site. Discuss the importance of following dayto-day care activities and precautions while using the OLED TV/Monitor. Discuss the problems/unusual conditions generally occurred in a OLED TV/Monitor. List the steps to be performed for troubleshooting and repairing of OLED TV/Monitor. Discuss the documents need to prepare and maintain related to installation and repairing work. 	 satellite dish socket as per the instructions. Show how to turn on the TV and adjust the MENU settings as per customer requirements and instructions. Demonstrate the functions of OLED TV/Monitor such as use of USB, HDMI cable, wireless connectivity etc. Show how to guide the customer on day-to-day care activities and precautions while using the OLED TV/Monitor. Demonstrate the organisational procedure of assembling and dismantling the components of OLED TV/Monitor. Apply appropriate ways to troubleshoot OLED TV/Monitor to identify the faults and faulty component. Apply appropriate ways to inspect basic parts of TV.







	Apply appropriate ways to repair or replace the faulty components from OLED TV/Monitor. Dramatize a situation to send the repairing or replacement requirement to service center and repair the faulty component on second visit. Apply appropriate ways to check the OLED TV/Monitor for proper functionality after service and repair work. Show how to clear up the packaging material waste and dispose as per company's norms Show how to collect the payments if the unit is not in warranty and complete the documentation	
Classroom Aids:		
Whiteboard, marker pen, computer or laptop attached to LCD projector, scanner, computer speakers		

Tools, Equipment and Other Requirements

OLED TV/Monitor, Drawings/ Blueprints, Manufacturer's manual, Tools and Equipment's, Sprit Level, screw drivers, spanners, wrenches, Drill Machine, Hammer, Chisel, Different types of cables, switch, socket, relay, MCB, PPE, Sample documents





Module 12: Introduction to Employability Skills

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Discuss about Employability Skills in meeting the job requirements

Dur	ration: <0.5:00>	Duration: <1:00>	
The	ory – Key Learning Outcomes	Practical – Key Learning Outcomes	
•	Discuss the importance of Employability Skills in meeting the job requirements	 List different learning and employability related GOI and private portals and their usage 	
Classroom Aids:			
Wh	Whiteboard, marker pen, projector		
Tools, Equipment and Other Requirements			





Module 13: Constitutional values - Citizenship

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Discuss about constitutional values to be followed to become a responsible citizen

Duration: <0.5:00>	Duration: <1:00>	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
• Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen.	 Show how to practice different environmentally sustainable practices 	
Classroom Aids:		
Whiteboard, marker pen, projector		
Tools, Equipment and Other Requirements		





Module 14: Becoming a Professional in the 21st Century

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Demonstrate professional skills required in 21st century

Duration: <1:00>	Duration: <1.5:00>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss 21st century skills. Describe the benefits of continuous learning 	 Exhibit 21st century skills like Self- Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life.
Classroom Aids:	
Whiteboard, marker pen, projector	
Tools, Equipment and Other Requirements	





Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Practice basic English speaking.

Duration: <4:00>	Duration: <6:00>	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
 Describe basic communication skills Discuss ways to read and interpret text written in basic English 	 Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone Read and interpret text written in basic English Write a short note/paragraph / letter/e - mail using basic English 	
Classroom Aids:		
Whiteboard, marker pen, projector		
Tools, Equipment and Other Requirements		





Module 16: Career Development & Goal Setting

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Demonstrate Career Development & Goal Setting skills.

Duration: <1:00>	Duration: <1:00>	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
Discuss need of career development plan	 Demonstrate how to communicate in a well -mannered way with others. Create a career development plan with well-defined short- and long-term goals 	
Classroom Aids:		
Whiteboard, marker pen, projector		
Tools, Equipment and Other Requirements		





Module 17: Communication Skills

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Practice basic communication skills.

Duration: <2:00>	Duration: <3:00>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the importance of active listening for effective communication Discuss the significance of working collaboratively with others in a team 	 Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette
Classroom Aids:	
Whiteboard, marker pen, projector	
Tools, Equipment and Other Requirements	





Module 18: Diversity & Inclusion

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Describe PwD and gender sensitisation.

Dur	ration: <1:00>	Duration: <1.5:00>	
The	ory – Key Learning Outcomes	Pra	ctical – Key Learning Outcomes
•	Discuss the significance of reporting sexual harassment issues in time	•	Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
Clas	ssroom Aids:		
Wh	Whiteboard, marker pen, projector		
Тоо	ls, Equipment and Other Requirements		





Module 19: Financial and Legal Literacy

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Describe ways of managing expenses, income, and savings.

Dur	ration: <2:00>	Duration: <3:00>
The	ory – Key Learning Outcomes	Practical – Key Learning Outcomes
•	List the common components of salary and compute income, expenditure, taxes, investments etc. Discuss the legal rights, laws, and aids	 Outline the importance of selecting the right financial institution, product, and service Demonstrate how to carry out offline and online financial transactions, safely and securely
Classroom Aids:		
Whiteboard, marker pen, projector		
Тоо	ls, Equipment and Other Requirements	





Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Demonstrate procedure of operating digital devices and associated applications safely.

Duration: <4:00>	Duration: <6:00>	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
 Describe the role of digital technology in today's life Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely 	 Show how to operate digital devices and use the associated applications and features, safely and securely Create sample word documents, excel sheets and presentations using basic features Utilize virtual collaboration tools to work effectively 	
Classroom Aids:		
Whiteboard, marker pen, projector		
Tools, Equipment and Other Requirements		





Module 21: Entrepreneurship

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Describe opportunities as an entrepreneur.

Dura	ation: <3:00>	Duration: <4:00>
Theory – Key Learning Outcomes		Practical – Key Learning Outcomes
•	Explain the types of entrepreneurship and enterprises Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement	 Create a sample business plan, for the selected business opportunity
Classroom Aids:		
Whi	Whiteboard, marker pen, projector	
Tool	Tools, Equipment and Other Requirements	





Module 22: Customer Service

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Describe ways of maintaining customer.

Duration: <2:00>	Duration: <3:00>			
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes			
 Explain the significance of identifying customer needs and addressing them. Explain the significance of identifying customer needs and responding to them in a professional manner. Discuss the significance of maintaining hygiene and dressing appropriately. 	 Demonstrate how to maintain hygiene and dressing appropriately. 			
Classroom Aids:				
Whiteboard, marker pen, projector				
Tools, Equipment and Other Requirements				





Module 23: Getting ready for apprenticeship & Jobs

Mapped to DGT/VSQ/N0102

Terminal Outcomes:

• Describe ways of preparing for apprenticeship & Jobs appropriately.

Duration: <3:00> Duration: <5:00>	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the significance of maintaining hygiene and confidence during an interview List the steps for searching and registering for apprenticeship opportunities 	 Create a professional Curriculum Vitae (CV) Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively Perform a mock interview
Classroom Aids:	
Whiteboard, marker pen, projector	
Tools, Equipment and Other Requirements	







Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum S Educational	Specialization	Relevant Industry Experience		Training Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
Diploma/ ITI/ Certified in relevant CITS course	Electronics	3	Consumer durables assembly and repair	1	Trainer	

Trainer Certification		
Domain Certification	Platform Certification	
"Multi Skill Technician - Consumer Durables, ELE/Q3118, version 1.0". Minimum accepted score is 80%.	"Trainer, MEP/Q2601, version 1.0" Minimum accepted score is 80%.	





Assessor Prerequisites						
Minimum Educational	tional Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
Diploma/ ITI/ Certified in relevant CITS course	Electronics	3	Consumer durables assembly and repair	2	Assessor	

Assessor Certification			
Domain Certification	Platform Certification		
"Multi Skill Technician - Consumer Durables, ELE/Q3118, version 1.0". Minimum accepted score is 80%.	"Assessor, MEP/Q2701, version 1.0" Minimum accepted score is 80%.		





- 1. Assessment System Overview:
 - Batches assigned to the assessment agencies for conducting the assessment on SDMS/SIP or email
 - Assessment agencies send the assessment confirmation to VTP/TC looping SSC
 - Assessment agency deploys the ToA certified Assessor for executing the assessment
 - SSC monitors the assessment process & records
- 2. Testing Environment:
 - Confirm that the centre is available at the same address as mentioned on SDMS or SIP
 - Check the duration of the training.
 - Check the Assessment Start and End time to be as 10 a.m. and 5 p.m.
 - If the batch size is more than 30, then there should be 2 Assessors.
 - Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.
 - Check the mode of assessment—Online (TAB/Computer) or Offline (OMR/PP).
 - Confirm the number of TABs on the ground are correct to execute the Assessment smoothly.
 - Check the availability of the Lab Equipment for the particular Job Role.
- 3. Assessment Quality Assurance levels / Framework:
 - Question papers created by the Subject Matter Experts (SME)
 - Question papers created by the SME verified by the other subject Matter Experts
 - Questions are mapped with NOS and PC
 - Question papers are prepared considering that level 1 to 3 are for the unskilled & semi-skilled individuals, and level 4 and above are for the skilled, supervisor & higher management
 - Assessor must be ToA certified & trainer must be ToT Certified
 - Assessment agency must follow the assessment guidelines to conduct the assessment
- 4. Types of evidence or evidence-gathering protocol:
 - Time-stamped & geotagged reporting of the assessor from assessment location
 - Centre photographs with signboards and scheme specific branding
 - Biometric or manual attendance sheet (stamped by TP) of the trainees during the training period
 - Time-stamped & geotagged assessment (Theory + Viva + Practical) photographs & videos
- 5. Method of verification or validation:
 - Surprise visit to the assessment location
 - Random audit of the batch
 - Random audit of any candidate
- 6. Method for assessment documentation, archiving, and access
 - Hard copies of the documents are stored
 - Soft copies of the documents & photographs of the assessment are uploaded / accessed from Cloud Storage
 - Soft copies of the documents & photographs of the assessment are stored in the Hard Drives





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.





Acronyms and A	Abbreviations
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NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
IPR	Intellectual Property Rights