





Model Curriculum

QP Name: Four Wheeler Service Lead Technician

QP Code: ASC/Q1403

QP Version: 2.0

NSQF Level: 5

Model Curriculum Version: 1.0

Automotive Skills Development Council Leela Building, 153 GF, Okhla Phase III, Okhla Industrial Area, New Delhi, Delhi 110020





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Training Parameters

Sector	Automotive Skills Development Council
Sub-Sector	Automotive Vehicle Service
Occupation	Technical Service & Repair
Country	India
NSQF Level	5
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3115.0602
Minimum Educational Qualification & Experience	2 years of I.T.I (Mechanic Auto Electrical and Electronics or Mechanic Diesel)/ Mechanic Motor Vehicle (MMV) OR 12th Class with minimum 2 Years of experience in Automotive Service OR Certificate-NSQF (Four Wheeler Service Technician Level 4) with 2 Years of experience in Automotive Service
Pre-Requisite License or Training	LMV Driving License
Minimum Job Entry Age	18 Years
Last Reviewed On	18/03/2021
Next Review Date	18/03/2026
NSQC Approval Date	27/05/2021
Version	2.0
Model Curriculum Creation Date	18/03/2021
Model Curriculum Valid Up to Date	18/03/2026
Model Curriculum Version	1.0
Minimum Duration of the Course	800 Hours, 0 Minutes
Maximum Duration of the Course	800 Hours, 0 Minutes





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.

- Work effectively and efficiently as per schedules and timelines.
- Implement safety practices.
- Apply practices for optimal use of resources to ensure less wastage and maximum conservation.
- Communicate effectively and develop interpersonal skills.
- Display sensitivity towards all genders and differently abled people.
- Perform diagnosis of four wheeler vehicles to identify the repair requirements of the vehicle
- Perform routine service/major repairs/overhaul of the vehicle

Compulsory Modules

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

NOS and Module Details	Theory Durati on	Practic al Durati on	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	08:00	00:00			08:00
Module 1: Introduction to the role of a four wheeler service lead technician <i>Bridge Module</i>	08:00	00:00	-	-	08:00
ASC/N9813 - Manage work and resources (Service) NOS Version No. 1.0 NSQF Level 5	24:00	32:00	-	-	56:00
Module 2: Plan work effectively, implement safety practices and optimize resources	24:00	32:00	-	-	56:00
ASC/N9812 - Interact effectively with team, customers and others NOS Version No. 1.0 NSQF Level 5	24:00	32:00	-	-	56:00
Module 3: Communicate effectively and efficiently	24:00	32:00	-	-	56:00
ASC/N1404 Carry out diagnosis on four wheeler vehicle for repair requirements	96:00	184:00	-	-	280:00





NOS Version No. 2.0 NSQF Level 5					
Module 4: Diagnose repair requirements of four wheeler vehicle	96:00	184:00	-	-	280:00
ASC/N1405 Carry out service, repair and overhauling of mechanical systems in four wheeler vehicle NOS Version No. 2.0 NSQF Level 5	72:00	168:00	-	_	240:00
Module 5: Carry out service, repair and overhauling of mechanical systems in the vehicle	72:00	168:00	-	_	240:00
ASC/N1438 Carry out service, repair and overhauling of electrical and electronic systems in the four wheeler vehicle NOS Version No. 1.0 NSQF Level 5	56:00	112:00	-	_	168:00
Module 6: Carry out service, repair and overhauling of electrical and electronic systems in the vehicle	56:00	112:00	-	-	168:00
Total Duration	272:00	528:00	-	-	800:00





Module Details

Module 1: Introduction to the Role of a Four Wheeler Service Lead Technician

Bridge Module

Terminal Outcomes:

• Discuss the role and responsibilities of a Four Wheeler Service Lead Technician.

Duration: 08:00	Duration: 00:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
• List the role and responsibilities of a four wheeler service lead technician.	
 Explain about automotive industry in India, workshop structure and role and responsibilities of different people in the workshop. 	
 Elaborate standard operating procedures (SOPs) regarding receiving vehicles, opening job card, allocation of work, invoicing, vehicle delivery, handling complaints etc. 	
 Recall the documentation involved in the different processes as specified by OEM/ auto component manufacturer 	
 Discuss the importance of inspection and diagnosis of faults by optimum utilization of tools and equipment as per SOP 	
 Discuss the importance of working as per organisational policies, professional code of ethics and standards of practice 	
 Outline the safety, health and environmental policies and regulations for the work place as well as for automotive trade in general 	
 Discuss occupational health and safety measures (OSH) required for working on vehicles. 	
 Discuss the legal regulations pertaining to hybrid vehicles 	
Classroom Aids:	
Laptop, white board, marker, projector	
Tools, Equipment and Other Requirements	





Module 2: Plan Work Effectively and Implement Safety Practices Mapped to NOS ASC/N9813, v1.0

Terminal Outcomes:

- Employ appropriate ways to maintain a safe and secure working environment
- Perform work as per the quality standards
- Use the resources efficiently.

Duration: 24:00	Duration: 32:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 List the potential workplace related risks and hazards, their causes and preventions. Outline the organizational structure to be followed to report about health, safety and security breaches to the concerned authorities. 	 Apply appropriate techniques in the work process to save cost and time . Employ ways to ensure that the team complies with organisation's health, safety policies and procedures. Keep a check on the routine cleaning of tools, machine and equipment. 		
 Describe the procedures to report accident and health related issues as per SOP 	 Employ different ways to ensure that the team periodically checks tools, equipment and machines. 		
 Identify the importance of standard operating procedures of the company 	 Apply appropriate techniques to use the resources judiciously. 		
w.r.t. privacy, confidentiality and security.	 Demonstrate checking for malfunctions in equipment and report as per SOP 		
 List and explain work requirements to be followed by the team 	 Employ ways to ensure that the team periodically checks for spills and leaks and 		
 List some common practices for efficient utilisation of energy, material and water. 	plugs the same and keeps work area clean and tidy.Demonstrate segregation of hazardous		
 Discuss the specified quality standards for work requirements and corrective action to be taken in case work fails to meet the requirements. 	 waste. Show how to dispose non-recyclable waste and hazardous waste responsibly. Demonstrate how to follow the 		
• Discuss the importance of conducting trainings to develop work expertise.	organisation's emergency procedures for different emergencies.		
 Discuss the importance of working as per the agreed and assigned requirement. 	 Prepare a sample layout of the workshop depicting the location of all the electrical, hydraulic and thermal equipment used. 		
 Identify the issues with process flow improvements, quality of output, product defects received from previous process, repairs and maintenance of tools and machinery and handle them 			
Define ways to optimize usage of resources			
 Discuss different set of problems along with their causes and possible solutions. 			







- Discuss the concept of waste management and methods of waste disposal
- List the different categories of waste for the purpose of segregation
- State the importance of timely completion of tasks
- Discuss the significance of sanitizing the workplace, equipment etc.
- Summarise hygiene and sanitation regulations.
- Discuss the ways of helping team members deal with stress and anxiety
- Explain various ways of time and cost management
- Discuss the use of proper PPE for maintaining health and hygiene at workplace and the process of wearing/discarding them.
- List some common electrical problems and practices of conserving electricity.
- State the importance of using appropriate colour dustbins for different types of waste.
- Discuss organizational procedures for minimizing waste.
- Discuss the importance of maintaining quality and timely delivery of the services as per the goals set by the manager.
- Discuss the common sources of pollution and ways to minimize it.
- Discuss organisation's policies for maintaining personal health and hygiene at workplace.
- Discuss the significance of greening.
- List the requirements like running water, sanitizers, etc. to be checked beforehand at workplace.
- Recall the key performance indicators for the new tasks.

Classroom Aids:

White board/ black board marker / chalk, duster, computer or Laptop attached to LCD projector

Tools, Equipment and Other Requirements

Personal Protection Equipment: safety glasses, head protection, rubber gloves, safety footwear, warning signs and tapes, fire extinguisher and first aid kit





Module 3: Communicate Effectively and Efficiently Mapped to NOS ASC/N9812, v1.0

Terminal Outcomes:

- Use effective communication and interpersonal skills.
- Apply sensitivity while interacting with different genders and people with disabilities.

Duration: 24:00	Duration: 32:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the importance of complying with organizational requirements to share information with team members. Discuss the ways to adjust the communication styles to reflect sensitivity towards gender and persons with disability (PwD). Explain the importance of respecting personal space of colleagues and customers. Describe the ways to manage and coordinate with team members for work integration. State the importance of team goals over individual goals, keeping commitment made to team members, and informing them in case of delays. Discuss the importance of rectifying errors as per feedback and minimizing mistakes. Discuss gender-based concepts, issues and legislation as well organization standards, guidelines, rights and duties of PwD. Discuss the importance of following organizational standards and guidelines related to PwD. Recall the rights and duties at workplace with respect to PwD. Outline organisation policies and procedures with respect to PwD. Classroom Aids: 	 Employ different means and methods of communication depending upon the requirement to interact with the team members. Employ appropriate ways to maintain good relationships with team members and superiors. Apply appropriate techniques to resolve conflicts and manage team members for smooth workflow. Conduct training sessions to train the team members on proper reporting of completed work and receiving feedback. Employ suitable ways to escalate problems to superiors as and when required. Prepare a sample report on the progress and team performance . Role play a situation on how to offer help to people with disability (PwD) if required at work.

White board/black board marker/chalk, duster, computer or Laptop attached to LCD projector





Tools, Equipment and Other Requirements





Module 4: Diagnose repair requirements of four wheeler vehicle Mapped to NOS ASC/N1404, v2.0

Terminal Outcomes:

• Demonstrate how to use different techniques for diagnosing the repair requirements of the vehicle

Duration: 96:00	Duration: 184:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the fundamental terms, laws and principles used in vehicles. Identify various electrical and electronic signals as well as symbols, units and terms 	 Perform the steps to place the vehicle on an appropriate platform as per work requirement. Demonstrate doing test drive of the vehicle
used in wiring diagrams associated with electrical/electric systems/components of the vehicle.	to identify/validate the faults informed by the customer.
 Discuss the importance of reviewing the job card to understand service and repair 	 Show how to carry out visual inspection of vehicle to assess defects such as dent, leak, wear and tear, etc.
 List the auto components related to various aggregates of the vehicle along 	 Demonstrate how to inspect the functioning of tools/equipment and their calibration status.
 with the manufacturer specifications. Discuss the process of collecting and using tools/ measuring devices/equipment required for the job along with interpretation of all relevant mathematical calculations. 	• Apply suitable techniques to inspect the functioning of various systems (mechanical and electrical systems, etc.) of the vehicle to diagnose the faults and determine the location of faults.
 Explain the use of technology in the functioning of various mechanical, electrical, elect	 Demonstrate using appropriate device and equipment required for inspection and diagnosis in various systems.
 Discuss the interconnection of systems and effect of a system on other systems 	 Employ various precautions and safety measures to ensure that no damage is caused to the vehicle during diagnosis or troubleshooting faults
• Discuss the typical symptoms of common faults and failures in mechanical, electrical and electronic systems.	 Apply appropriate techniques to identify common/possible defects in tools and equipment used for diagnosis to be
 Explain the industry standards for reporting about inspection and faults in different formats 	 Show how to identify the defective or duplicate components of
• Recall the checklist and standard operating procedures for diagnosing the causes of fault w.r.t lubricants, servicing,	manufacturer/supplier specifications, which are not identifiable during visual inspection.
 Explain the standard operating procedures for using tools/equipment, performing diagnostic tests and troubleshooting faults. Discuss the organization structure for 	 Demonstrate now to perform tests to identify faults and troubleshoot using various mechanical, electrical/electronic measuring devices/testers/diagnostic tools/software
reporting malfunctions in vehicle or any	





discrepancies beyond own scope to the concerned person

- List the various sources of information available for assessing service and repair requirements.
- Identify the documents to be maintained w.r.t inspection and diagnosis of faults
- Draw a comparison between results based on inspection, measurement, and test with vehicle specifications as well as regulatory requirements.
- Explain the validation process for options of repairs/replacement.
- Recall various methods to dispose-off replaced failed components/parts, fluids and hazardous substances.
- Discuss OEM standard operating procedures, safety procedures and safety requirements w.r.t. tool/equipment, vehicle component, fluids, hazardous substances and while working in hazardous environments.

- Apply appropriate methods to diagnose indirect faults in vehicle's mechanical, electrical and electronic systems.
- Demonstrate how to dismantle and reassemble the aggregates of the vehicle for fault diagnosis.
- Prepare a sample report consisting of preliminary diagnostic details while reporting premature failures
- Show how to use various PPE and how to prepare work area by cleaning and placing tools/equipment in an organised manner.
- Prepare a proposal regarding repair/replacement requirements with justification.
- Demonstrate how to use computer or online application and access OEM portals for technical information and assistance

Classroom Aids:

Laptop, white board, marker, projector

Tools, Equipment and Other Requirements

Diagnostic tools, equipment and other sources of information such as diagnostic displays, etc., computer, vehicle, job card

Vehicle, various body parts, engine, sub-assemblies, material, mechanical and electrical components / aggregates

Organic light emitting displays, anti-lock braking system (abs)/air bag scan tools, automotive scanners, modular diagnostic information systems, brake, suspension and side slip tester

Pressure indicators: fuel pressure testers, manifold gauge sets, oil pressure gauges, tire pressure gauges etc; measuring equipment: vernier calipers, micrometre, feeler gauges, multi-metre, flow metre, temp gauge, dial gauge etc; electrical and electronic testing equipment: volt meters, ammeters, ohmmeters, digital multi-meter, battery testing equipment, dedicated and computer based diagnostic equipment, etc.





Module 5: Carry out service, repair and overhauling of mechanical systems in the vehicle *Mapped to NOS* ASC/N1405, *v2.0*

Terminal Outcomes:

- Perform steps to carry out the preparatory activities for service.
- Demonstrate how to carry out post service/repair routine.

Duration: 72:00	Duration: 168:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 Elucidate Standard Operating Procedures for receiving vehicles, opening job card, allocation of work, invoicing, vehicle delivery, handling complaints, etc. List the sources of information required to assess service and repair requirements. Recall various auto components of the vehicle. Discuss the importance of maintaining safe and tidy workstation. List the precautions to be taken to avoid damages to the vehicle and its components while working on them. Elucidate OEM SOP and standard safety procedures to be followed handling tools/ equipment, components and while working in hazardous environments. Discuss the importance of maintaining documentation related to inspection, servicing and repair of the vehicle. Discuss the organisational policies for cleaning work site and disposing off materials such as waste oil, etc. Explain the specifications of various auto components/aggregates of the vehicle. Explain the basic technologies used in functioning of various systems and components of the vehicle such as drive train, etc. Discuss the various interconnections in the system and their effect on each other. Summarise the fundamental terms, laws and principles such as Pascal law, etc. Discuss various SOPs recommended by OEM for using tools/equipment for diagnosis or troubleshooting such as special service tools. 	 Demonstrate how to place the vehicle on a platform according to the nature of the job. Perform visual inspection of the vehicle to assess defects such as external impact, etc. Apply appropriate techniques to check if equipment/tools are functioning as per requirements and report malfunctioning, if observed. Employ appropriate ways to report malfunctions/repairs in the vehicle/tools beyond own scope to the concerned person. Draft a sample proposal regarding repair/replacement requirements with justifications. Perform the steps to wear PPE according to the nature of job. Demonstrate how to dismantle the relevant parts/mechanical aggregates for repairing and cleaning. Perform steps how to test the mechanical components post removal as per OEM SOP. Perform steps for servicing/repairing/calibration/overhauling of mechanical system/aggregate including power assisted braking and steering systems. Demonstrate how to repair indirect faults due to other system/component. Show how to check the completed tasks and performance of the vehicle post repair and report if further inspection required. Demonstrate the process of carrying out scheduled checks, calibration and timely repairs for workshop tools, equipment and workstations. 		
 List the type of errors/defects in the 			

tools/equipment.







- List various sources of information available for vehicle/equipment manufacturer specifications, tolerance limits of components.
- Discuss standard schedules and checklists recommended by the OEM/auto component manufacturer for servicing.
- List the type of consumables/materials used for the job such as seals, sealant, fasteners, lubricants etc.
- State the legal regulations that need to be taken into account for handling hybrid vehicle in the workshop.
- Explain Occupational Safety and Health (OSH) measures required for working on vehicles.
- Outline organizational/professional code of ethics and standards of practice.

Classroom Aids:

White board/ black board marker / chalk, duster, computer or Laptop attached to LCD projector

Tools, Equipment and Other Requirements

Diagnostic tools, equipment and other sources of information such as diagnostic displays, etc., computer, vehicle, job card

Vehicle, various body parts, engine, sub-assemblies, material, mechanical and electrical components / aggregates

Organic light emitting displays, anti-lock braking system (abs)/air bag scan tools, automotive scanners, modular diagnostic information systems, brake, suspension and side slip tester.





Module 6: Carry out service, repair and overhauling of electrical and electronic systems in the vehicle *Mapped to NOS* ASC/N1438, *v1.0*

Terminal Outcomes:

- Perform steps to prepare for carrying out service, repair and overhauling
- Demonstrate how to carry out post service/repair routine

Duration: 56:00		Duration: 112:00		
Theory – Key Learning Outcomes		Practical – Key Learning Outcomes		
•	Elucidate Standard Operating Procedures for receiving vehicles, opening job card, allocation of work, invoicing, vehicle delivery, handling complaints, etc. List the sources of information required to assess service and repair requirements. Recall various auto components of the vehicle.	 Demonstrate how to place the vehicle on a platform according to the nature of the job. Perform visual inspection of the vehicle to assess defects such as external impact, etc. Employ different ways to check if equipment/tools are functioning as per requirements and report malfunctioning, if observed. 		
•	Discuss environmental policies and regulations along with the importance of maintaining safe and tidy workstation. List the precautions to be taken to avoid damages to the vehicle and its components while working on them	 Employ appropriate ways to report malfunctions/repairs in the vehicle beyond own scope to the concerned person. Draft a sample proposal regarding repair/replacement requirements with instification 		
•	Elucidate OEM SOP and standard safety procedures to be followed handling tools/ equipment, components and while working in hazardous environments.	 Perform steps to wear PPE according to the nature of job. Demonstrate how to dismantle the relevant parts/electrical aggregates for repairing, 		
•	Discuss the importance of maintaining documentation related to inspection, servicing and repair of the vehicle. Discuss the organisational policies for cleaning work site and disposing off	 cleaning. Perform steps how to test the electrical/electronic components post removal as per OEM SOP. Berform steps for 		
•	materials such as waste oil, etc. Explain the various auto components/aggregates of the vehicle.	 repairing/calibration/overhauling of electrical system/aggregate including direct faults. 		
•	State the fundamental terms, laws and principles of electricity used in electrical & electronic systems.	 Demonstrate how to repair indirect faults due to other system/component. Check the completed tasks and 		
•	Explain basic technology and functioning of different management system such as engine, body, etc.	 performance of the vehicle post repair and report if further inspection required. Perform steps for scheduled checks, 		
•	Discuss the various interconnections in the system and their effect on each other. Discuss various SOPs recommended by OEM for using tools/equipment for diagnosis or troubleshooting such as special service tools.	calibration and timely repairs for workshop tools, equipment and workstations.		







- List the type of consumables/materials used for the job such as seals, sealant, fasteners, lubricants etc.
- State the legal regulations that need to be taken into account for handling hybrid vehicle in the workshop.
- Explain Occupational Safety and Health (OSH) measures required for working on vehicles.
- Outline organizational/professional code of ethics and standards of practice.

Classroom Aids:

White board/ black board marker / chalk, duster, computer or Laptop attached to LCD projector

Tools, Equipment and Other Requirements

Diagnostic tools, equipment and other sources of information such as diagnostic displays, etc., computer, vehicle, job card

Vehicle, various body parts, engine, sub-assemblies, material, mechanical and electrical components / aggregates

Organic light emitting displays, anti-lock braking system (abs)/air bag scan tools, automotive scanners, modular diagnostic information systems, brake, suspension and side slip tester

Pressure indicators: fuel pressure testers, manifold gauge sets, oil pressure gauges, tire pressure gauges etc; measuring equipment: vernier calipers, micrometre, feeler gauges, multi-metre, flow metre, temp gauge, dial gauge etc; electrical and electronic testing equipment: volt meters, ammeters, ohmmeters, digital multi-meter, battery testing equipment, dedicated and computer based diagnostic equipment, etc.





Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational	Specialization	Relevant Industry Experience		Training Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
ITI (Mechanic Motor Vehicle)	Four Wheeler Service	4	Four Wheeler Service	1	Four Wheeler Service	NA
Diploma (Automobile Engineering/ Mechanical Engineering)	Four Wheeler Service	3	Four Wheeler Service	1	Four Wheeler Service	NA

Trainer Certification				
Domain Certification	Platform Certification			
Certified for Job Role: "Four Wheeler Service Lead Technician Level 5" "ASC/Q1403, v1.0", Minimum accepted score is 80%	Recommended that the Trainer is certified for the Job Role: "Trainer", "MEP/Q2601, v1.0", Minimum accepted score is 80%			





Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
ITI (Mechanic Motor Vehicle)	Four Wheeler Service	5	Four Wheeler Service	1	Four Wheeler Service	NA
Diploma (Automobile Engineering/ Mechanical Engineering)	Four Wheeler Service	4	Four Wheeler Service	1	Four Wheeler Service	NA

Assessor Certification					
Domain Certification	Platform Certification				
Certified for Job Role: "Four Wheeler Service Lead Technician Level 5" "ASC/Q1403, v1.0", Minimum accepted score is 80%	Recommended that the Assessor is certified for the Job Role: "Assessor" "MEP/Q2701, v1.0"				





Assessment Strategy

- 1. Assessment System Overview:
 - Batches assigned to the assessment agencies for conducting the assessment on SDSM/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
 - Center 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



References



Glossary

Term	Description
Declarative	Declarative knowledge refers to facts, concepts and principles that need to
Knowledge	be known and/or understood in order to accomplish a task or to solve a problem.
Key Learning	Key learning outcome is the statement of what a learner needs to know,
Outcome	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	Procedural knowledge addresses how to do something, or how to perform a
Knowledge	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 .
Terminal Outcome	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.





Acronyms and Abbreviations

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
PwD	Persons with Disability
OEM	Original Equipment Manufacturer