



Model Curriculum

QP Name: Land Transportation Manager

QP Code: LSC/Q1004

QP Version: 3.0

NSQF Level: 6

Model Curriculum Version: 3.0

Training Parameters

Sector	Logistics
Sub-Sector	Land Transportation
Occupation	Transport Operations, Vehicle Operations, Customer Support/Relations, Documentation and Reporting
Country	India
NSQF Level	6
Aligned to NCO/ISCO/ISIC Code	NCO-2015/1324.0200 and ISCO-88/1324
Minimum Educational Qualification and Experience	Completed 4 year UG or equivalent with 2 years of relevant experience in transportation OR Completed 3 year UG with 3 years of relevant experience in transportation OR Completed 3 year diploma after 10th with 5 years of relevant experience in transportation OR Previous relevant Qualification of NSQF Level 5 with 3 Years of relevant experience in transportation
Pre-Requisite License or Training	NA
Minimum Job Entry Age	25
Last Reviewed On	07/10/2025
Next Review Date	07/10/2028
NSQC Approval Date	07/10/2025
QP Version	3.0
Model Curriculum Creation Date	07/10/2025
Model Curriculum Valid Up to Date	07/10/2028
Model Curriculum Version	3.0
Minimum Duration of the Course	600
Maximum Duration of the Course	600

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 will be able to:

- Analyse activities scheduled and corresponding resources allocated
- Assess compliance to regulatory requirements
- Generate business for the organisation and manage relationships with stakeholders including clients, customs, PGAs etc.
- Analyse operational and business performance to undertake improvement initiatives
- Manage business profitably by analysing profit and loss and undertaking operations improvement initiatives.
- Manage multimodal operation activities in coordination with various stakeholders
- Direct hub and spoke activities to ensure streamlined operations
- Comply to workplace integrity, ethical and regulatory practices.
- Manage workplace for safe and healthy work environment by following compliance to regulatory and safety norms.
- Inspect invoices for correct application of GST.

Compulsory Modules

The table lists the modules, their duration and mode of delivery.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	20	10			30
Module 1: Introduction to Land Transportation Manager	20	10			30
LSC/N9601 Review and facilitate daily operations V4.0 NSQF Level 6	20	35	5		60
Module 2: Daily review and process control	20	35	5		60
LSC/N9701 Manage Business and stakeholder relations V4.0 NSQF Level 6	20	35	5		60
Module 3: Business development and stakeholder relations	20	35	5		60
LSC/N9914 – Manage Operations and Employee Performance V1.0 NSQF Level 6	20	35	5		60
Module 4: Operations and Employee Performance	20	35	5		60
LSC/N9603 - Profit and loss account management and cost accounting V3.0 NSQF Level 6	20	40			60

Module 5: Profit and loss account management and cost accounting	20	40			60
LSC/N1007 - Manage multimodal operations V3.0 NSQF Level 6	20	35	5		60
Module 6: Multimodal operations	20	35	5		60
LSC/N1008 – Manage hub and spoke operations V3.0 NSQF Level 6	20	35	5		60
Module 7: Hub and spoke operations	20	35	5		60
LSC/ N1016 - Monitor and Coordinate fleet management operations V1.0 NSQF Level 6	20	35	5		60
Module 8: Fleet management	20	35	5		60
LSC/N9911: Follow health, safety, and security procedures and maintain integrity and ethics at the workplace V1.0 NSQF Level 6	20	40			60
Module 9: Health, safety, security, integrity and ethics at the workplace	20	40			60
Employability Skills DGT/VSQ/N0103	30	60			90
Total Duration	210	360	30		600

Module Details

Module 1: Introduction to Land Transportation Manager

Mapped to Bridge Module

Terminal Outcomes:

- Describe the basic structure and function of the land transportation and logistics sector.
- Detail the various documentation and activities.

Duration: 20:00	Duration: 10:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe various activities in land transportation, warehouse, port yard, land, ship and air transportation • Explain job roles in land transportation • Detail the roles and responsibilities of a land transport manager. • Explain various activities in a transport yard • Describe the various MHEs and equipment used in land transportation 	<ul style="list-style-type: none"> • Classify the components of supply chain and logistics sector • List down the various sub-sectors and the opportunities in them • Perform your job role as a land transport manager and interface with other job roles • Discuss the documentation requirements for goods transport
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Computers with MS office, WMS(Learning version), LLMS (Learning version)	

Module 2: Daily review and process control

Mapped to LSC/N9601, V4.0

Terminal Outcomes:

- Detail the steps to perform in daily review and process control as per SOP
- Monitor and ensure that operations comply with legal, regulatory, and organisational policies.

Duration: 20:00	Duration: 35:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the importance of reviewing daily work agendas, prioritising tasks, and updating the team on objectives and key metrics. • Explain the procedures for identifying pending tasks, resolving issues, and escalating unresolved matters to senior management or external consultants. • Detail the processes for assessing the utilisation of resources, adjusting budgets, and ensuring resource availability. • Explain how to assess the previous day's performance, identify bottlenecks, and resolve operational challenges. • Elaborate on forecasting trend patterns, setting up work plans, and preparing resource budgets in alignment with operations. 	<ul style="list-style-type: none"> • Illustrate the day's priorities, communicate updates, and address any challenges or special tasks. • Review the previous day's inspection and output reports to identify pending tasks and take necessary actions to approve or resolve them. • Approve and allocate resources according to the daily, weekly, and monthly work plans. • Troubleshoot operational issues from the previous day, such as delays or bottlenecks, and resolve them promptly. • Monitor and ensure that operations comply with legal, regulatory, and organisational policies.
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS, Computer, Management information system (MIS), Enterprise Resource Planning (ERP), performance review software, budgeting and forecasting software, stationery, worksheets, SOP etc	

Module 3: Business development and stakeholder relations

Mapped to LSC/N9701, V4.0

Terminal Outcomes:

- Detail the steps to be followed for business development
- Explain the process of preparing and implementing a sales plan, including identifying new client acquisition strategies and setting clear sales targets.

<p>Duration: 20:00</p> <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe how to gather market intelligence by staying updated with service offerings and industry developments to identify potential business opportunities. • Explain the process of preparing and implementing a sales plan, including identifying new client acquisition strategies and setting clear sales targets. • Discuss how to identify and analyse client business needs and offer customised and bundled solutions that align with those needs. • Detail the essential principles of negotiating terms with clients, closing deals, and collecting the necessary client details, such as organisational and payment information. • Elaborate on the importance of maintaining strong, long-term client relationships through regular communication, feedback collection, and the provision of value-added services. 	<p>Duration: 35:00</p> <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Prepare and implement a sales plan for acquiring new clients, including tracking targets and ensuring follow-up actions are performed effectively. • Practice meeting clients to present new services, take feedback on existing ones, and offer tailored solutions to meet their needs. • Use a company's sales database to obtain and manage lists of existing clients and new prospects, prioritising them for outreach based on previous relationship-building efforts. • Negotiate with clients on cost, finalize contracts, and ensure proper collection of organizational and payment details to ensure a smooth deal closure. • Interact regularly with clients through phone calls, emails, or visits to address queries, resolve grievances, and provide updates about new offerings and discounts.
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS, Computer, Management information system (MIS), Enterprise Resource Planning (ERP), performance review software, budgeting and forecasting software, stationery, worksheets, SOP etc</p>	

Module 4: Operations and Employee Performance Management.

Mapped to LSC/N9914, V1.0

Terminal Outcomes:

- Detail the appropriate steps for performance management as per SOP
- Elaborate the methods and processes for providing leadership and direction

Duration: 20:00	Duration: 35:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe how to analyse key performance metrics, such as asset utilisation rates, revenue per workforce, and operational efficiency indicators. • Explain how to examine reasons behind non-performance and identify underlying factors, such as delays or defaults, impacting the operational performance of different departments. • Discuss identifying areas for process improvement and determining training needs based on operational performance trends. • Detail the importance of developing and implementing action plans to improve overall worker and operational efficiency, with a focus on resource utilisation. • Elaborate on how to set key performance indicators (KPIs) for employees and track performance for ongoing improvement through structured performance appraisals and action plans. 	<ul style="list-style-type: none"> • Analyse activity-related performance metrics and identify trends, such as average time per case or number of delays, to measure and assess operational performance. • Assess asset utilisation rates and evaluate revenue per workforce, identifying any inefficiencies or areas of improvement. • Identify non-performance issues within operations and take corrective actions by reviewing output reports and addressing bottlenecks. • Design and implement training plans based on identified operational weaknesses and team performance needs. • Take necessary actions to address underperforming departments or individuals, including driving performance improvement plans (PIPs) and addressing performance issues per organisational policies.
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS, Computer, Management information system (MIS), Enterprise Resource Planning (ERP), performance review software, budgeting and forecasting software, stationery, worksheets, SOP etc	

Module 5: Profit and loss account management and cost accounting

Mapped to LSC/N9603, V3.0

Terminal Outcomes:

- Demonstrate the process of profit and loss account management and cost accounting
- Elaborate the importance of accurate allocation of overhead costs to products/services and how to develop competitive pricing strategies for improved profitability.

Duration: 20:00	Duration: 35:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe the process of reviewing and amending department-wise budgets and tracking actual performance against budgeted figures to forecast financial trends. • Explain how to use key financial ratios (gross profit margin, operating margin, etc.) to evaluate and guide decision-making for P&L performance. • Detail how to assess various revenue streams, identify growth opportunities, and explore pricing strategies to improve profitability. • Discuss the strategies to manage expenses, minimise waste, and ensure profitability without impacting product quality or customer satisfaction. • Elaborate the importance of accurate allocation of overhead costs to products/services and how to develop competitive pricing strategies for improved profitability. 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Practice tracking actual performance against budgeted figures, analyse the data and forecast future financial trends for effective decision-making. • Analyse and review unit-wise P&L performance, identify trends, and take corrective actions to optimise the financial performance. • Review direct and indirect costs, identify inefficiencies, and implement corrective actions to minimise unnecessary expenses and improve profitability. • Perform break-even and Cost-Volume-Profit (CVP) analysis to examine the relationships between cost, volume, and profit, helping them understand how changes in sales and costs affect profitability. • Use tools like QuickBooks, Xero, or SAP to automate the generation of P&L accounts and track real-time financial data for improved accuracy and efficiency.
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS, Computer, Management information system (MIS), Enterprise Resource Planning (ERP), performance review software, budgeting and forecasting software, stationery, worksheets, SOP etc</p>	

Module 6: Multimodal operations management

Mapped to LSC/ N1007, V3.0

Terminal Outcomes:

- Explain Multimodal transportation.
- Devise route plan, resource allocation, compliance etc.

Duration: 20:00

Theory – Key Learning Outcomes

- Explain how to analyse the feasibility of multimodal transportation based on the client’s requirements, goods type, origin and destination, cost, and speed of delivery.
- Describe the various transport modes (air, ocean, inland waterway, rail, and road), their suitability for specific goods, and the importance of coordination with service providers.
- Elaborate on creating the required documentation, such as bills of lading, customs declarations, tariffs, and cross-border shipment requirements.
- Explain how to evaluate the total cost of multimodal transportation, factoring in fuel, handling charges, terminal fees, customs duties, and mode-specific charges.
- Describe the relevant transportation laws and regulations, such as weight limits, safety standards, and environmental regulations, and their impact on multimodal operations.

Duration: 35:00

Practical – Key Learning Outcomes

- Practice planning the sequential movement of goods through various transport modes based on timelines and priorities to ensure smooth delivery.
- Engage actively in the process of setting up cross-border shipments, including the management of documentation like customs declarations and ensuring compliance with regulations.
- Implement GPS, RFID, or other tracking technologies to monitor goods in real-time across all transportation modes, ensuring timely and efficient deliveries.
- Develop action plans to manage potential disruptions, such as delays, accidents, and other unforeseen circumstances, ensuring smooth operations.
- Review and adjust multimodal operations based on key performance indicators such as on-time delivery rates, customer satisfaction, and transit time, making necessary changes to optimise routes, schedules, or partners.

Classroom Aids

Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser

Tools, Equipment and Other Requirements

TMS, Material Handling Equipment (MHEs), inventory models, routing software, optimisation software stationery, Personal Protective Equipment (PPEs), worksheets, SOP etc.

Module 7: Hub and spoke operations management.

Mapped to LSC/ N1008, V3.0

Terminal Outcomes:

- Manage hub operations as per SOP.
- Detail compliance and insurance documentation process.
- Check daily reports.

Duration: 20:00	Duration: 35:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Detail how to use routing software to calculate the most efficient paths between the hub and spokes, considering traffic patterns, road conditions, tolls, and fuel costs. • Describe how to plan different types of shipments (bulk deliveries, urgent goods) and determine whether dedicated or shared routes are needed. • Explain how to define clear delivery windows, factoring in customer requirements and operational constraints to ensure timely deliveries. • Discuss the role of a Transportation Management System (TMS) in monitoring vehicles in real-time, tracking deliveries, optimising load, and automating dispatching. • Elaborate on the local regulations and industry standards related to hub-and-spoke operations, including vehicle weight limits, safety protocols, and labour laws (e.g., driver hours). 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Plan the most efficient routes for different types of shipments using routing software to minimise fuel consumption, travel time, and distance while considering factors like traffic and road conditions. • Set up and monitor a Transportation Management System (TMS), track deliveries in real-time, and update it with relevant data like arrival/departure times to ensure streamlined operations. • Coordinate and manage various hub activities such as sorting, packing, labelling, aggregating, break-bulk, and container loading, ensuring the smooth execution of these tasks. • Organise and manage inventory at the hub to facilitate smooth sorting, packing, and loading processes, including implementing cross-docking practices where applicable. • Analyse and evaluate the operational costs associated with the hub-and-spoke system, identifying opportunities for cost savings, such as optimising routes, consolidating shipments, and improving vehicle maintenance practices.
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS, Computer, Enterprise Resource Planning (ERP), Material Handling Equipment (MHEs), inventory models, routing software, optimisation software stationery, Personal Protective Equipment (PPEs), worksheets, SOP etc.</p>	

Module 8: Fleet management

Mapped to LSC/ N1016, V1.0

Terminal Outcomes:

- Describe how to evaluate transportation needs based on the type of goods to be delivered, such as perishable goods, heavy machinery, or small packages, and identify the most suitable vehicle types for each category (e.g., trucks, vans, specialised vehicles).
- Implement green practices, such as promoting fuel-efficient driving habits, reducing idle time, and exploring alternative fuel options to reduce the fleet's environmental impact and comply with environmental regulations.

Duration: 20:00	Duration: 35:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe how to evaluate transportation needs based on the type of goods to be delivered, such as perishable goods, heavy machinery, or small packages, and identify the most suitable vehicle types for each category (e.g., trucks, vans, specialised vehicles). • Detail on the factors involved in deciding whether to lease or purchase vehicles, including cash flow, asset management, and the long-term financial goals of the company. • Explain the importance and benefits of using a fleet management system or software to track vehicle maintenance schedules, service history, and overall vehicle condition. • Discuss the regulatory requirements and safety standards that vehicles must meet, such as Department of Transportation (DOT) inspections, weight limits, and ensuring compliance with national and international safety regulations. • Elaborate about the impact of fleet operations on the environment, focusing on fuel-efficient driving practices, reducing idling times, and exploring alternative fuel options (electric, hybrid, or compressed natural gas) to minimise the carbon footprint. 	<ul style="list-style-type: none"> • Analyze the transportation requirements of different goods and select appropriate vehicles (e.g., trucks, vans, specialised vehicles) based on factors such as cargo type, delivery timeframes, and distance. • Implement a fleet management system to track vehicle maintenance schedules, service history, and vehicle conditions, ensuring the fleet's optimal performance. • Use fleet management software or tools to optimise vehicle routes, aiming to reduce fuel consumption, time, and operational costs while ensuring vehicles are used efficiently and carrying full loads whenever possible. • Conduct driver safety training sessions, educating drivers on best safety practices such as cargo handling, safe driving techniques, and emergency procedures and monitoring driver behaviour (speeding, harsh braking, idling time). • Implement green practices, such as promoting fuel-efficient driving habits, reducing idle time, and exploring alternative fuel options to reduce the fleet's environmental impact and comply with environmental regulations.
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS, LLMS, Fleet Management software	

Module 9: Health, safety, security, integrity, and regulatory compliance

Mapped to LSC/ N9911, v1.0

Terminal Outcomes:

- Describe health, safety, and security procedures
- Demonstrate the inspection procedure to ensure appropriate and safe conditions of the activity area and equipment
- Illustrate the standard protocol to be followed during emergency situations, accidents and breaches of safety

Duration: 20:00	Duration: 40:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail safety procedures for preventing hazards (fire, biohazards) in the workplace. • Describe hygiene standards, data safety, and the importance of regular health check-ups. • Explain the emergency protocols like first aid, fire safety, and evacuation procedures. • Discuss ethical workplace behaviour, safeguarding customer data, and avoiding corruption. • Describe the inspection procedure to check the safe handling of hazardous goods • Discuss how to maintain documentation and assist in regulatory inspections. 	<ul style="list-style-type: none"> • Demonstrate safety measures, including wearing protective gear and preventing hazards. • Keep the workspace organised and follow hygiene protocols. • Act quickly in emergencies, provide first aid, and follow fire drills. • Report unethical behaviour and handle ethical dilemmas. • Maintain accurate documentation and assist with regulatory checks.
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS (Learning Version), LLMS (Learning Version)	

Module 10: Employability Skills

Mapped to DGT/VSQ/N0103, v1.0

Terminal Outcomes:

- Discuss the Employability Skills required for jobs in various industries
- Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
- Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan

Duration: 30:00	Duration: 60:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Outline the importance of Employability Skills for the current job market and future of work • List different learning and employability related GOI and private portals and their usage • Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen • Discuss relevant 21st century skills required for employment • Highlight the importance of practicing 21st century skills like Self-Awareness, Behaviour 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 • Explain the importance of communication etiquette including active listening for effective communication • Discuss the significance of escalating sexual harassment issues as per POSH act • Discuss various financial institutions, products, and services • Explain the common components of salary such as Basic, PF, Allowances (HRA, TA, DA, etc.), tax deductions • Discuss the legal rights, laws, and aids • Describe the role of digital technology in day-to-day life and the workplace 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Research and prepare a note on different industries, trends, required skills and the available opportunities • Demonstrate how to practice different environmentally sustainable practices • Create a pathway for adopting a continuous learning mindset for personal and professional development • Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone • Read and understand text written in basic English • Write a short note/paragraph / letter/e - mail using correct basic English • Create a career development plan • Identify well-defined short- and long-term goals • Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette • Write a brief note/paragraph on a familiar topic • Role play a situation on how to work collaboratively with others in a team • Demonstrate how to behave, communicate, and conduct appropriately with all genders and PwD • Demonstrate how to conduct offline and online financial transactions, safely and securely and check passbook/statement • Calculate income and expenditure for budgeting • Demonstrate how to operate digital devices and use the associated applications and features, safely and securely

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| <ul style="list-style-type: none"> • Discuss the significance of displaying responsible online behaviour while using various social media platforms • 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 • Discuss various tools used to collect customer feedback • Discuss the significance of maintaining hygiene and dressing appropriately • Discuss the significance of maintaining hygiene and dressing appropriately for an interview • List the steps for searching and registering for apprenticeship opportunities | <ul style="list-style-type: none"> • Demonstrate how to connect devices securely to internet using different means • Follow the dos and don'ts of cyber security to protect against cyber crimes • Create an e-mail id and follow e- mail etiquette to exchange e -mails • Show how to create documents, spreadsheets and presentations using appropriate applications • Utilize virtual collaboration tools to work effectively • Create a sample business plan, for the selected business opportunity • Classify different types of customers • Demonstrate how to identify customer needs and respond to them in a professional manner • Draft a professional Curriculum Vitae (CV) • Use various offline and online job search sources to find and apply for jobs • Role play a mock interview |
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Classroom Aids

Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser, UPS, LCD Projector, Computer Tables & chairs

Tools, Equipment and Other Requirements

Computer (PC) with latest configurations – and Internet connection with standard operating system and standard word processor and worksheet software (Licensed) (all software should either be latest version or one/two version below), Scanner cum Printer

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Any Degree		2	Land Transportation			

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: “Land Transportation Manager” mapped to LSC/Q1003, V3.0 Minimum accepted score is 80%	Recommended that the Trainer is certified for the Job Role: “Trainer (VET and Skills)”, mapped to the Qualification Pack: “MEP/Q2601, V2.0” with minimum score of 80%

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Any Degree		2	Land Transportation			

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Land Transportation Manager" mapped to QP: "LSC/Q1003, V3.0". Minimum accepted score is 80%	Recommended that the Assessor is certified for the Job Role: "Assessor (VET and Skills)", mapped to the Qualification Pack: "MEP/Q2701, V2.0" with minimum score of 80%

Assessment Strategy

The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria. Accordingly, assessment criteria for each job role is set and made available in qualification pack.

The assessment papers for both theory and practical would be developed by Subject Matter Experts (SME) hired by Logistics Sector Skill Council or with the LSC accredited Assessment Agency as per the assessment criteria mentioned in the Qualification Pack. The assessments papers would also be checked for the various outcome-based parameters such as quality, time taken, precision, tools & equipment requirement etc.

Each NOS in the Qualification Pack (QP) is assigned a relative weightage for assessment based on the criticality of the NOS. Therein each Element/Performance Criteria in the NOS is assigned marks on relative importance, criticality of function and training infrastructure.

The following tools would be used for final assessment:

1. **Practical Assessment:** This comprises of a creation of mock environment in the skill lab which is equipped with all equipment required for the qualification pack.

Candidate's soft skills, communication, aptitude, safety consciousness, quality consciousness etc. is ascertained by observation and marked in observation checklist. The outcome is measured against the specified dimensions and standards to gauge the level of their skill achievements.

2. **Viva/Structured Interview:** This tool is used to assess the conceptual understanding and the behavioral aspects with regard to the job role and the specific task at hand. It also includes questions on safety, quality, environment, and equipment etc.
3. **On-Job Training:** OJT would be evaluated based on standard log book capturing departments worked on, key observations of learner, feedback and remarks of supervisor or mentor.
4. **Written Test:** Question paper consisting of 100 MCQs (Hard:40, Medium:30 and Easy: 30) with questions from each element of each NOS. The written assessment paper is comprised of following types of questions:
 - a. True / False Statements
 - b. Multiple Choice Questions
 - c. Matching Type Questions.
 - d. Fill in the blanks
 - e. Scenario based Questions
 - f. Identification Questions

QA Regarding Assessors:

Assessors are selected as per the “eligibility criteria” laid down by LSC for assessing each job role. The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to LSC Assessment Framework, competency based assessments, assessors guide etc. LSC conducts “Training of Assessors” program from time to time for each job role and sensitize assessors regarding assessment process and strategy which is outlined on following mandatory parameters:

- i. Guidance regarding NSQF
- ii. Qualification Pack Structure
- iii. Guidance for the assessor to conduct theory, practical and viva assessments
- iv. Guidance for trainees to be given by assessor before the start of the assessments.
- v. Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet
- vi. Viva guidance for uniformity and consistency across the batch.
- vii. Mock assessments
- viii. Sample question paper and practical demonstration

References

Glossary

Term	Description
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
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

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards