



# Model Curriculum

**QP Name: Land Transportation Supervisor**  
(Options: Profit and Loss Account Management and cost accounting)

**QP Code: LSC/Q1003**

**QP Version: 3.0**

**NSQF Level: 5**

**Model Curriculum Version: 3.0**

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## Training Parameters

<b>Sector</b>	Logistics
<b>Sub-Sector</b>	Land Transportation
<b>Occupation</b>	Transport operations, vehicle operations, documentation and reporting
<b>Country</b>	India
<b>NSQF Level</b>	5
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/4323.9900 and ISCO-08-4323
<b>Minimum Educational Qualification and Experience</b>	Completed UG Diploma or equivalent with 1 Year relevant experience in transportation OR 12th Grade pass or equivalent with 4 years of relevant experience in transportation OR Completed 3 year diploma after 10th with 2 years relevant experience in transportation OR Previous relevant Qualification of NSQF Level 4 with 3 Years of relevant experience in transportation
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	21
<b>Last Reviewed On</b>	07/10/2025
<b>Next Review Date</b>	07/10/2028
<b>NSQC Approval Date</b>	07/10/2028
<b>QP Version</b>	3.0
<b>Model Curriculum Creation Date</b>	07/10/2025
<b>Model Curriculum Valid Up to Date</b>	07/10/2028
<b>Model Curriculum Version</b>	3.0
<b>Minimum Duration of the Course</b>	540
<b>Maximum Duration of the Course</b>	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:

- Prepare resource allocation plan based on activities scheduled.
- Supervise safe and secure vehicle marshalling.
- Analyse vehicle and cargo documentation for adherence to requirements and prepare daily reports.
- Analyse fleet maintenance status
- Manage effective maintenance and repair of fleet.
- Track vehicle movement and ensure timely delivery and compliance to regulatory documentation.
- Plan, budget and execute Over Dimensional Cargo (ODC) movement.
- 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.
- Manage business profitably by analysing profit and loss and undertaking operations improvement initiatives.
- Generate business for the organisation and manage relationships with stakeholders including clients, customs, PGAs etc.

### 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
<b>Bridge Module</b>	20	10			30
Module 1: Introduction to Land Transportation Supervisor	20	10			30
<b>LSC/N1009 – Supervise Route Planning and daily operations in transportation V4.0 NSQF Level 5</b>	20	35	5		60
Module 2: Route Planning and daily operations in transportation	20	35	5		60
<b>LSC/N0303– Review transport documentation and ensure compliance V3.0 NSQF Level 5</b>	20	35	5		60
Module 3: Compliance and documentation in transport	20	35	5		60
<b>LSC/N1109 – Perform vehicle marshal duties V5.0</b>	20	35	5		60

<b>NSQF Level 5</b>					
Module 4: Vehicle marshalling	20	35	5		60
<b>LSC/ N1110 - Supervise fleet maintenance V5.0</b>	<b>20</b>	<b>35</b>	<b>5</b>		<b>60</b>
<b>NSQF Level 5</b>					
Module 5: Fleet maintenance	20	35	5		60
<b>LSC/N1111 - Supervise consignment tracking and movement of vehicles V5.0</b>	<b>20</b>	<b>35</b>	<b>5</b>		<b>60</b>
<b>NSQF Level 5</b>					
Module 6: Consignment tracking and vehicle movement	20	35	5		60
<b>LSC/N3306: Plan and Coordinate for transportation for Project cargo and ODC V2.0</b>	<b>20</b>	<b>35</b>	<b>5</b>		<b>60</b>
<b>NSQF Level 5</b>					
Module 7: ODC and project cargo transportation	20	35	5		60
<b>LSC/N9701: Manage Business and stakeholder relations V4.0</b>	<b>30</b>	<b>30</b>			<b>60</b>
<b>NSQF Level 5</b>					
Module 8: Business development and stakeholder relations	30	30			60
<b>LSC/N9911: Follow health, safety, and security procedures and maintain integrity and ethics at the workplace V1.0</b>	<b>10</b>	<b>20</b>			<b>30</b>
<b>NSQF Level 5</b>					
Module 9: Health, safety, security, integrity and ethics at the workplace	10	20			30
<b>Employability Skills DGT/VSQ/N0102</b>	<b>30</b>	<b>30</b>			<b>60</b>
<b>Total Duration</b>	<b>210</b>	<b>300</b>	<b>30</b>		<b>540</b>

## Optional Modules

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

### Option 1: Profit Management

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
<b>LSC/N9603 – Profit and loss account management and cost accounting V3.0</b>	30	30			60
<b>NSQF Level 5</b>					
Module 11: Profit Management	30	30			60
<b>Total Duration</b>	<b>30</b>	<b>30</b>			<b>60</b>

# Module Details

## Module 1: Introduction to Land Transportation Supervisor

### Mapped to Bridge Module

#### Terminal Outcomes:

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

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

## Module 2: Route Planning and daily operations in transportation

Mapped to LSC/N1009, V4.0

### Terminal Outcomes:

- List the various steps for transportation operations and order planning
- Detail the supervisory activities that need to be performed daily.
- Describe the process of route planning and how to monitor the same.

<b>Duration:</b> 20:00	<b>Duration:</b> 35:00
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Explain the cargo loading and unloading procedure</li> <li>• Detail the documents required for vehicles and cargo</li> <li>• Elaborate on the daily operations that happen in land transportation.</li> <li>• Detail the supervisory activities that need to be performed daily.</li> <li>• Describe the process of route planning and how to monitor the same.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop an activity plan based on transportation orders</li> <li>• Formulate transport alternatives and corrective and preventive actions if the plan fails</li> <li>• Demonstrate route planning and steps for supervising the same.</li> <li>• Supervise loading, unloading, lashing and securing shipments for transport.</li> <li>• Allocate manpower, material, MHE and other resources as per activities</li> <li>• Prepare the documentation for vehicles and cargo and record data in ERP.</li> <li>• Measure and monitor the productivity of operations</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
Computers with MS office, LLMS (Learning version), TMS (LEARNING VERSION), ERP, route planning software, etc	

## Module 3: Compliance and documentation in transport.

Mapped to LSC/N0303, V3.0

### Terminal Outcomes:

- Detail the mandatory transport documents for vehicle and cargo
- Describe the daily reports generated in transportation and how to review them.
- Elaborate on the rules and regulations that need to be complied with.

<b>Duration:</b> 20:00	<b>Duration:</b> 35:00
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Detail the mandatory transport documents for vehicle and cargo</li> <li>• Describe the line items to be checked in documents such as license, Lorry Receipt (LR), Goods Consignment (GC), transit insurance, tax permits, etc.</li> <li>• Explain what an alternative delivery plan is and how to prepare one.</li> <li>• Detail the daily reports generated in transportation and how to review them.</li> <li>• Elaborate on the rules and regulations that need to be complied with.</li> </ul>	<ul style="list-style-type: none"> <li>• List down different documents required for vehicle and cargo</li> <li>• Illustrate end-of-the-day closing activities.</li> <li>• Demonstrate checking documents like licenses, Lorry Receipts (LR), Goods Consignment (GC), transit insurance, tax permits, etc.</li> <li>• Devise an alternative delivery plan for a failed shipment.</li> <li>• Prepare and review daily reports such as loading/unloading, shipment delivery, resource utilisation, accidents, repairs, etc.</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
TMS (LEARNING VERSION), SOP, standard forms, stationery, markers, ERP, computer, printers, etc.	

## Module 4: Vehicle marshalling

*Mapped to LSC/N1109, V5.0*

### Terminal Outcomes:

- Perform site demarcation and Vehicle marshalling
- Demonstrate a traffic management plan

<b>Duration: 20:00</b>	<b>Duration: 35:00</b>
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Describe vehicle marshalling</li> <li>• Discuss site demarcation</li> <li>• Describe traffic management plan</li> <li>• List the PPE used for marshalling</li> <li>• List down safety and security measures to be undertaken for marshalling</li> <li>• Discuss hand signals and communication equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Plan how to do vehicle marshalling.</li> <li>• Perform site demarcation and demark the site.</li> <li>• Prepare a traffic management plan.</li> <li>• Wear PPE and demonstrate marshalling</li> <li>• Perform the safety and security measures for marshalling</li> <li>• Demonstrate hand signals</li> <li>• Operate the communication equipment used for marshalling.</li> <li>• Illustrate the marshalling process</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
TMS (LEARNING VERSION), ERP, software packages, PPE, etc	

## Module 5: Fleet maintenance

*Mapped to LSC/ N1110, V5.0*

### Terminal Outcomes:

- Explain the documentation and MIS reporting in fleet service.
- Elaborate the steps for supervising fleet service.

<b>Duration:</b> 20:00	<b>Duration:</b> 35:00
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Describe the process for new vehicle acquisition, title and registration.</li> <li>• Detail how to track fleet usage and maintain an accurate inventory of equipment and spares, consumables, and fuel.</li> <li>• Write down inspection procedures for maintenance records, purchase logs, oil logs, parts consumption logs, etc.</li> <li>• Elaborate the steps for supervising fleet service.</li> <li>• Describe maintenance vendor selection and management process</li> <li>• Explain the documentation and MIS reporting in fleet service.</li> </ul>	<ul style="list-style-type: none"> <li>• Inspect the basic spare parts, consumables and fuel</li> <li>• Review maintenance records, purchase logs, oil logs, parts consumption logs, etc.</li> <li>• Demonstrate maintenance vendor selection and management.</li> <li>• Inspect maintenance of out-of-service vehicles and activity completion.</li> <li>• Analyse maintenance works to suggest improvement actions</li> <li>• Prepare reports on vehicle maintenance and usage of spares, consumables, and fuel</li> <li>• Prepare a budget for vehicle and spare maintenance</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
TMS (LEARNING VERSION), ERP, computer, printers, GPS tracker, maintenance schedule, maintenance equipment etc.	

## Module 6: Consignment tracking and vehicle movement

*Mapped to LSC/N1111, V5.0*

### Terminal Outcomes:

- Detail the process of tracking consignments and managing delays.
- Build relationships with customers.

**Duration:** 20:00

#### Theory – Key Learning Outcomes

- Detail the process to track consignments.
- Detail the documentation requirement for vehicle and cargo
- Elaborate the process to supervise vehicle movement.
- Describe the resolution process if the vehicle gets delayed or breaks down
- Explain client updates and grievance resolution process

**Duration:** 35:00

#### Practical – Key Learning Outcomes

- Perform vehicle tracking using GPS/telephone to monitor movement
- Demonstrate actions to be taken if there's a breakdown or vehicle delay.
- Manage relations with clients by updating and providing resolution to grievances.
- Demonstrate the steps for supervising vehicle movement.

#### Classroom Aids

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

#### Tools, Equipment and Other Requirements

TMS (LEARNING VERSION), ERP, MS Office, GPS and receiver, communication equipment, etc.

## Module 7: ODC and project cargo transportation

### Mapped to LSC/N3306, V2.0

#### Terminal Outcomes:

- Detail the necessary tasks for ODC transport as per SOP
- Detail the necessary steps in route surveying
- Detail the process of transport planning and budgeting as per SOP

<b>Duration:</b> 20:00	<b>Duration:</b> 35:00
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Explain the steps required in performing transportation requirement analysis</li> <li>• Discuss the process of route surveying</li> <li>• Explain the importance of transport planning and budgeting</li> <li>• List the necessary permits and documents required for ODC transport</li> <li>• Elaborate the steps involved in supervising ODC transport</li> </ul>	<ul style="list-style-type: none"> <li>• Perform transportation requirement analysis as per SOP</li> <li>• Perform the necessary steps in route surveying</li> <li>• Perform transport planning and budgeting</li> <li>• Arrange all necessary permits and documents for ODC transport</li> <li>• Instruct and supervise ODC drivers and trailer operators</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
TMS (LEARNING VERSION), ERP, Computers with MS Office, GPS tracker and receiver, sample documentation for vehicle and cargo, sample permits, stationery, worksheets, etc	

## Module 8: Business development and stakeholder relations

### Mapped to LSC/N9701, V4.0

#### Terminal Outcomes:

- Describe the Key areas of business development
- Demonstrate effective oral and written business communication
- Prepare service level agreements
- Schedule resources as per operational requirement

<b>Duration:</b> 30:00	<b>Duration:</b> 30:00
<b>Theory – Key Learning Outcomes</b>	<b>Practical – Key Learning Outcomes</b>
<ul style="list-style-type: none"> <li>• Describe how to build market intelligence and stay informed about the latest service offerings and industry developments.</li> <li>• Elaborate on how to prepare and implement a sales plan to acquire new clients, including setting sales targets and relationship strategies.</li> <li>• Explain how to identify clients' business needs and offer tailored solutions, such as bundling services.</li> <li>• Detail about the negotiation process, closing sales and collecting necessary client details and payment terms.</li> </ul>	<ul style="list-style-type: none"> <li>• Prioritise clients based on previous relationship-building efforts and engage with them effectively to offer new services and gather feedback.</li> <li>• Demonstrate preparing and implementing strategies to meet sales targets and manage the sales process with potential clients.</li> <li>• Meet clients in person, offer services, and collect client feedback to enhance future offerings.</li> <li>• Practice negotiating pricing, closing deals, and collecting client organisational and payment details to finalise agreements.</li> </ul>
<b>Classroom Aids</b>	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
<b>Tools, Equipment and Other Requirements</b>	
Computers with MS Office, MIS, ERP, performance review software	

## Module 9: Health, safety, security, integrity and ethics at the workplace

Mapped to LSC/N9911, V1.0

### Terminal Outcomes:

- Maintain personal health and hygiene.
- Practise basic first aid methods.
- Explain the 5s at the workplace and the code of ethics.

<b>Duration: 20:00</b>	<b>Duration: 40:00</b>
<p><b>Theory – Key Learning Outcomes</b></p> <ul style="list-style-type: none"> <li>• Detail the safety regulations and procedures w.r.t fire hazards, biohazards, etc.</li> <li>• Explain various PPE utilised in logistics and their uses.</li> <li>• Describe data safety regulations and clear worktable policy.</li> <li>• Explain the importance of taking care of personal health and hygiene.</li> <li>• Detail the standard procedures to be followed during emergency situations.</li> <li>• Explain the 5s at the workplace and the code of ethics.</li> </ul>	<p><b>Practical – Key Learning Outcomes</b></p> <ul style="list-style-type: none"> <li>• Follow health, safety and security measures during all activities.</li> <li>• Wear all safety equipment, including protective gear, helmets, etc., in relevant bay areas.</li> <li>• Recognize unsafe conditions and safety practices at the workplace and report them to concerned authorities.</li> <li>• Comply with the organisation's data safety regulations and follow clear worktable policy.</li> <li>• Maintain personal health and hygiene.</li> <li>• Practice basic first aid methods.</li> <li>• Follow procedures to handle emergency situations.</li> <li>• Protect data and information related to business or commercial decisions. Prevent company and customer information leakage.</li> <li>• Refrain from indulging in corrupt practices and consult senior management when in an ethical dilemma.</li> <li>• Follow organisation procedures with respect to documentation.</li> </ul>
<p><b>Classroom Aids</b></p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p><b>Tools, Equipment and Other Requirements</b></p> <p>Computers with MS Office, Sample reports, Personal Protection Equipment, LLMS(Learning version), TMS(Learning version), First Aid Kit and Equipment used in Medical Emergencies</p>	

## Module 10: Employability Skills

Mapped to DGT/VSQ/N0102, 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: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> <li>• Discuss the Employability Skills required for jobs in various industries</li> <li>• List different learning and employability related GOI and private portals and their usage</li> <li>• 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</li> <li>• Discuss importance of relevant 21st century skills.</li> <li>• Describe the benefits of continuous learning.</li> <li>• Explain the importance of active listening for effective communication</li> <li>• Discuss the significance of working collaboratively with others in a team</li> <li>• Discuss the significance of escalating sexual harassment issues as per POSH act.</li> <li>• List the common components of salary and compute income, expenditure, taxes, investments etc.</li> <li>• Discuss the legal rights, laws, and aids</li> <li>• Describe the role of digital technology in today’s life</li> <li>• Discuss the significance of displaying responsible online behaviour while browsing, using various social media platforms, e-mails, etc., safely and securely</li> <li>• Explain the types of entrepreneurship and enterprises</li> <li>• Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan</li> <li>• Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement</li> <li>• Detail the significance of analyzing different types and needs of customers</li> <li>• Explain the significance of identifying customer needs and responding to them in a professional manner.</li> <li>• Discuss the significance of maintaining hygiene and dressing appropriately</li> </ul>	<ul style="list-style-type: none"> <li>• Practice different environmentally sustainable practices.</li> <li>• Exhibit 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.</li> <li>• Demonstrate to use basic English sentences for everyday conversation in different contexts, in person and over the telephone</li> <li>• Read and interpret text written in basic English</li> <li>• Write a short note/paragraph / letter/e -mail using basic English</li> <li>• Create a career development plan with well-defined short- and long-term goals</li> <li>• Communicate effectively using verbal and nonverbal communication etiquette.</li> <li>• Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD</li> <li>• Outline the importance of selecting the right financial institution, product, and service</li> <li>• Demonstrate how to carry out offline and online financial transactions, safely and securely</li> <li>• Operate digital devices and use the associated applications and features, safely and securely</li> <li>• Create sample word documents, excel sheets and presentations using basic features</li> <li>• Utilize virtual collaboration tools to work effectively</li> <li>• Devise a sample business plan, for the selected business opportunity</li> <li>• Create a professional Curriculum Vitae (CV)</li> <li>• Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively</li> <li>• Perform a mock interview</li> </ul>

- Explain the significance of maintaining hygiene and confidence during an interview
- List the steps for searching and registering for apprenticeship opportunities

#### **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

## Module 11: Profit Management

Mapped to LSC/N9603, V3.0

### Terminal Outcomes:

- Describe P&L analysis process
- Prepare budget amendments
- Explain the process to rationalise cost by undertaking improvement activities

**Duration:** 30:00

#### Theory – Key Learning Outcomes

- Describe P&L analysis process
- Explain the budgeting and monitoring process
- Explain methods to analyse variance between budget and actual expenditure
- Explain the process to rationalise cost by undertaking improvement activities

**Duration:** 30:00

#### Practical – Key Learning Outcomes

- Review department budgets, track performance against targets, and make necessary adjustments to forecast future financial trends.
- Manage expenses, identify areas for cost reduction, and ensure profitability without compromising quality or customer satisfaction.
- Assess different revenue streams, identify growth opportunities, and use financial ratios to evaluate and improve performance.
- Analyse overall P&L performance, identify variances, and implement corrective actions while managing financial risks to meet KPIs.
- Review financial performance, allocate overhead costs accurately, and track variances to identify inefficiencies and take corrective actions.
- Perform break-even and Cost-Volume-Profit (CVP) analysis to evaluate the impact of costs, volume, and sales on profitability.
- Use cost data to set competitive pricing strategies and manage inventory to minimise carrying costs and prevent overproduction.
- Identify cost inefficiencies through department discussions and implement remedial actions to achieve financial goals.

#### Classroom Aids

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

#### Tools, Equipment and Other Requirements

TMS (LEARNING VERSION), Computers, MIS, ERP, performance review software

## Annexure

### Trainer Requirements

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

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Land Transportation Supervisor" 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	NA	2	Land Transportation			

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Land Transportation Supervisor" 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

## Glossary

Term	Description
<b>Key Learning Outcome</b>	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).
<b>OJT (M)</b>	On-the-job training (Mandatory); trainees are mandated to complete specified hours of training on site
<b>OJT (R)</b>	On-the-job training (Recommended); trainees are recommended the specified hours of training on site
<b>Training Outcome</b>	Training outcome is a statement of what a learner will know, understand and be able to do <b>upon the completion of the training</b> .
<b>Terminal Outcome</b>	Terminal outcome is a statement of what a learner will know, understand and be able to do <b>upon the completion of a module</b> . 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