



Model Curriculum

QP Name: Loader/Unloader

QP Code: LSC/Q1110

QP Version: 3.0

NSQF Level: 2

Model Curriculum Version: 3.0

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Training Parameters

Sector	Logistics
Sub-Sector	Land Transportation
Occupation	Storage
Country	India
NSQF Level	2
Aligned to NCO/ISCO/ISIC Code	NCO-2015/9333.0100
Minimum Educational Qualification and Experience	No formal education prescribed + No Experience required. or May require ability to read and write for some qualifications + 1 year relevant experience may be desirable.
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	27/01/2022
Next Review Date	27/01/2025
NSQC Approval Date	27/01/2022
QP Version	3.0
Model Curriculum Creation Date	13/08/2021
Model Curriculum Valid Up to Date	27/01/2025
Model Curriculum Version	3.0
Minimum Duration of the Course	270 hrs
Maximum Duration of the Course	270 hrs

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:

- Perform unloading of goods as per standard operating procedure
- Perform the necessary tasks post unloading of goods
- Perform loading activities as per standard operating procedure
- Perform the necessary tasks post loading of goods
- Manage workplace for safe and healthy work environment by following compliance to regulatory and safety norms

Compulsory Modules

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

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	20:00	10:00	00:00	00:00	30:00
Module 1: Introduction to Loader/Unloader	20:00	10:00	00:00	00:00	30:00
LSC/N1104: Preparing to unload NOS Version 1.0 NSQF Level 2	05:00	20:00	05:00	00:00	30:00
Module 2: Preparation for unloading	05:00	20:00	05:00	00:00	30:00
LSC/N1105: Perform unloading NOS Version 1.0 NSQF Level 2	10:00	45:00	05:00	00:00	60:00

Module 3: Unloading	10:00	45:00	05:00	00:00	60:00
LSC/N1106: Perform post unloading activities NOS Version 1.0 NSQF Level 2	05:00	20:00	05:00	00:00	30:00
Module 4: Post unloading activities	05:00	20:00	05:00	00:00	30:00
LSC/N1107: Preparing to load NOS Version 1.0 NSQF Level 2	05:00	20:00	05:00	00:00	30:00
Module 5: Preparation for loading	05:00	20:00	05:00	00:00	30:00
LSC/N1108: Moving goods NOS Version 1.0 NSQF Level 2	10:00	15:00	05:00	00:00	30:00
Module 6: Moving goods	10:00	15:00	05:00	00:00	30:00
LSC/N1109: Perform post loading activities NOS Version 1.0 NSQF Level 2	05:00	20:00	05:00	00:00	30:00
Module 7: Post loading activities	05:00	20:00	05:00	00:00	30:00
Employability Skills	15:00	15:00	00:00	00:00	30:00
Total Duration	75:00	165:00	30:00	00:00	270:00

Module Details

Module 1: Introduction to Loader/Unloader

Mapped to Bridge Module

Terminal Outcomes:

- Describe the basic structure and function of supply chain
- Detail the various functions of loader/unloader

Duration: 20:00	Duration: 10:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Classify the components of supply chain and logistics sector • Detail the various sub-sectors and the opportunities in them • Explain job roles in land Transportation • Detail your job role as loader /unloader coordinator and its interface with other job roles • Explain various activities in a transport yard • Describe the various MHEs and equipment used in warehouse • Discuss the documentation requirements for goods transport 	<ul style="list-style-type: none"> • Identify various activities in land transportation • Perform your job role as loader/unloader • Identify the various MHE's used in land transportation
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc ,	

Module 2: Preparation for unloading

Mapped to LSC/N1104, v1.0

Terminal Outcomes:

- Detail the various tasks to be performed while preparing for unloading of goods

Duration: 05:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • List the various information to be collected before unloading • Choose the appropriate MHE based on the goods to be unloaded • Choose the appropriate PPE • Discuss the steps to be undertaken before unloading of goods • Comply with safety, security and organizations procedures and guidelines. 	<ul style="list-style-type: none"> • Identify the appropriate MHE's based on the type of good • Identify the appropriate PPE • Demonstrate the steps to be undertaken before loading of goods
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc ,	

Module 3: Unloading

Mapped to LSC/N3022, v1.0

Terminal Outcomes:

- Demonstrate the process of unloading goods as per SOP

Duration: 10:00	Duration: 45:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain the process of identifying labels and goods based on product codes • Detail the process of unloading as per SOP • List the steps to be performed after unloading of goods in the inbound areas 	<ul style="list-style-type: none"> • Identify labels and goods based on product codes • Perform unloading as per SOP • Examine the condition of the unloaded goods • Perform movement of goods into the staging area as per SOP
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc.,	

Module 4: Post unloading activities

Mapped to LSC/N1106, v1.0

Terminal Outcomes:

- Discuss the various tasks to be performed post unloading
- Demonstrate housekeeping activities as per SOP

Duration: 5:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the various housekeeping activities to be performed • Choose right PPE as per the cleaning requirement • Explain the process of reporting to supervisor on quarantined items, replacement items, damages, delays in outbound, condition of PPE, MHE etc. • Explain the escalation matrix for reporting deviation 	<ul style="list-style-type: none"> • Perform the various housekeeping activities as per SOP • Identify the appropriate PPE as per the cleaning requirement
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc.,	

Module 5: Preparation for loading

Mapped to LSC/N1107, v1.0

Terminal Outcomes:

- Detail the various tasks to be performed while preparing for loading

Duration: 5:00	Duration:20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • List the various information to be collected before loading • Choose the appropriate MHE based on the goods to be loaded • Choose the appropriate PPE • Discuss the steps to be undertaken before loading of goods • Comply with safety, security and organizations procedures and guidelines. 	<ul style="list-style-type: none"> • Identify the appropriate MHE's based on the type of good • Identify the appropriate PPE • Demonstrate the steps to be undertaken before loading of goods
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc.,	

Module 6: Moving goods

Mapped to LSC/N1108, v1.0

Terminal Outcomes:

- Discuss the various steps and precautions to be followed while moving goods
- Detail the necessary inspections to be performed during the process of moving goods

Duration: 10:00	Duration: 15:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the various inspections to be done before moving goods • List the steps to be followed in moving goods from the staging area to the outbound area/truck • Discuss the steps to be followed unloading of goods from MHE and loading goods on the truck • Detail the process of sorting of goods based on the size of packaging • Discuss the various checks to be done after loading goods on the truck 	<ul style="list-style-type: none"> • Perform the necessary inspections before moving goods as per SOP • Demonstrate the right procedure for moving goods from staging area to outbound area/truck • Perform sorting of goods based on size of packaging • Perform the various checks to be done after loading of goods on the truck
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc,	

Module 7: Post loading activities

Mapped to LSC/N1109, v1.0

Terminal Outcomes:

- Discuss the various tasks to be performed post loading
- Demonstrate housekeeping activities as per SOP

Duration: 5:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the various housekeeping activities to be performed • Choose right PPE as per the cleaning requirement • Explain the process of reporting to supervisor on quarantined items, replacement items, damages, delays in outbound, condition of PPE, MHE etc. • Explain the escalation matrix for reporting deviation 	<ul style="list-style-type: none"> • Perform the various housekeeping activities as per SOP • Identify the appropriate PPE as per the cleaning requirement
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Personal Protective Equipment (PPEs), Material Handling Equipment (MHEs) like pallet truck (manual and battery operated), etc. barcode scanner, packing devices, packing material etc.,	

Module 8: Employability Skills

Mapped to DGT/VSQ/N0101, v1.0

Terminal Outcomes:

- Appraise the significance of employability skills in meeting the job requirements
- Identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.
- Illustrate English and communication skills, customer service, entrepreneurship, and getting ready for jobs and apprenticeship.

Duration: 15:00	Duration: 15:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail the importance of Employability Skills in meeting the job requirements • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. • Describe positive attitude, self - motivation, problem solving, time management skills and continuous learning mindset in different situations. • Discuss the significance of reporting sexual harassment issues in time • Appraise the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Detail the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws • Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely • Categorize the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges • Discuss the significance of maintaining hygiene and dressing appropriately • Discuss how to search and register for apprenticeship opportunities 	<ul style="list-style-type: none"> • Analyze 21st century skills. • Practice appropriate basic English sentences/phrases while speaking • Demonstrate how to communicate in a well -mannered way with others. • Illustrate working with others in a team • Demonstrate how to conduct oneself appropriately with all genders and PwD • Operate digital devices and use the associated applications and features, safely and securely • Differentiate between types of customers • Create a biodata • Experiment with various sources to search and apply for jobs • Identify customer needs and address them • Compose the significance of dressing up neatly and maintaining hygiene for an interview
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,LLMS(Learning version)

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
12th Pass		2		2		Specialized in land transportation

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Loader/Unloader" mapped to QP: "LSC/Q1110, 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	
12 th pass		2		1		Specialized in land transportation

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: “Loader/ Unloader” mapped to QP: “LSC/Q1110, v3.0” with minimum score of 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:

- i. True / False Statements
- ii. Multiple Choice Questions
- iii. Matching Type Questions
- iv. Fill in the blanks
- v. Scenario based Questions
- vi. 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:

- 1) Guidance regarding NSQF
- 2) Qualification Pack Structure
- 3) Guidance for the assessor to conduct theory, practical and viva assessments
- 4) Guidance for trainees to be given by assessor before the start of the assessments.
- 5) Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet
- 6) Viva guidance for uniformity and consistency across the batch.
- 7) Mock assessments
- 8) 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.
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