



Model Curriculum

QP Name: Transport Consolidator

QP Code: LSC/Q1119

QP Version: 3.0

NSQF Level: 4

Model Curriculum Version: 3.0

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Training Parameters

Sector	Logistics
Sub-Sector	Land Transportation
Occupation	Vehicle Operations
Country	India
NSQF Level	4
Aligned to NCO/ISCO/ISIC Code	NCO-2015/1324.1400
Minimum Educational Qualification and Experience	<p>11th grade pass + No Experience required or Completed 1st year of 3-year diploma (after 10th) and pursuing regular diploma + No Experience required or 10th grade pass plus 1-year NTC/ NAC + No Experience required or 8th grade pass plus 2-year NTC + 1 Year NAC or 8th pass plus 1-year NTC + 1-Year NAC plus CITS + No Experience required or 10th grade pass and pursuing continuous schooling + No Experience required or 10th Grade Pass + 2 year relevant experience or Previous relevant Qualification of NSQF Level 3.0 with minimum education as 5th Grade pass + 2 year relevant experience or Previous relevant Qualification of NSQF Level 3.5 + 1 year relevant experience</p>
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	450 hrs
Maximum Duration of the Course	450 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:

- Describe the basic structure and function of supply chain
- Identify various activities in land transportation
- Detail the various tasks to be performed while planning and scheduling deliveries
- Demonstrate consolidation of deliveries as per SOP
- Perform the necessary tasks post consolidation as per SOP
- Demonstrate health, safety and security measures during transport consolidation

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	10	0	0	30
Module 1: Introduction to Transport consolidator	20	10	0	0	30
LSC/N1114: Plan and Schedule Deliveries NOS Version 1.0 NSQF Level 4	20	60	10	0	90
Module 2: Planning and Scheduling Deliveries	20	60	10	0	90
LSC/N1115: Verify and Consolidate Deliveries NOS Version 1.0 NSQF Level 4	20	60	10	0	90

Module 3: Verification and consolidation of deliveries	20	60	10	0	90
LSC/N1116: Perform Post Consolidation Activities NOS Version 1.0 NSQF Level 4	20	60	10	0	90
Module 4: Post Consolidation Activities	20	60	10	0	90
LSC/N1127: Maintain Health, Safety and Security measures during transport consolidation NOS Version 1.0 NSQF Level 4	20	70	0	0	90
Module 5: Compliance to Health, Safety and Security Measures during transport consolidation	20	70	0	0	90
Employability Skills	30	30	0	0	60
Total Duration	130	290	30	0	450

Module Details

Module 1: Introduction to Transport Consolidator

Mapped to Bridge Module

Terminal Outcomes:

- Describe the basic structure and function of supply chain
- Detail the various functions of Transport Consolidator

Duration: 20:00	Duration: 10:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe Supply Chain and Logistics Management • Detail the various sub-sectors and the opportunities in them • Explain transportation industry and opportunities in it • Detail your job role as Transport Consolidator and its interface with other job roles • Discuss the employment opportunities in land transportation 	<ul style="list-style-type: none"> • Identify various sub-sectors and the opportunities in them • Identify various activities in transportation industry • Perform your job role as Transport Consolidator • Identify the employment opportunities in land transportation
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Teaching board, Computer, Projector, Video player or TV, TMS(learning version)	

Module 2: Planning and Scheduling Deliveries

Mapped to LSC/N1114, v1.0

Terminal Outcomes:

- Detail the various tasks to be performed while planning and scheduling deliveries

Duration: 20:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail the various tasks to be performed while planning and scheduling deliveries • List the information to be collected for scheduling such as available capacity based on load, list of orders that are to be routed, various locations etc. • Explain the process of planning and scheduling deliveries • Detail the process of analyzing delivery/transport costs for all order • Determine optimal routes for trucks based on final destination for deliveries 	<ul style="list-style-type: none"> • Identify the different types of goods and their classification • Collect information for scheduling deliveries such as schedule, available capacity based on load, list of orders that are to be routed, various locations, list of trucks available for outbound deliveries and their capacities • Demonstrate how to Prepare schedule and delivery plan • Analyze delivery costs/transport costs for all order • Prepare budget for scheduled deliveries • Determine optimal routes for trucks based on final destination for deliveries • Coordinate with transport coordinator and warehouse in-charge to ensure truck consolidation plan is as per original shipment plan
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/ Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Teaching board, Computer, Projector, Sample documents,LLMS(learning version)	

Module 3: Verification and Consolidation of Deliveries

Mapped to LSC/N1115, v1.0

Terminal Outcomes:

- Demonstrate verification and consolidation of deliveries

Duration: 20:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail the various steps involved in verification and consolidation of deliveries • Describe the role of Transport Consolidator in verification and consolidation of deliveries • Explain how to verify orders on incoming trucks • List the various checks to be performed such as errors/ damages in goods, for any hazardous material etc. • Explain the process of checking the costs 	<ul style="list-style-type: none"> • Perform verification and consolidation of deliveries as per SOP • Demonstrate the role of Transport Consolidator in verification and consolidation of deliveries • Verify orders on incoming trucks as per the guidelines • Verify all truck are on time based on arrival schedule and note down any delays • Perform various checks such as errors/ damages in goods, any hazardous material etc. • Check the costs against the analyzed budget
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Sample reports, TMS(learning version)	

Module 4: Post Consolidation Activities

Mapped to LSC/N1116, v1.0

Terminal Outcomes:

- Discuss the various tasks to be performed post consolidation
- Demonstrate the procedure for updating tracking information in the system

Duration: 20:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the various activities to be performed after consolidation • Explain the procedure for updating tracking information in the system • Detail the steps in carrying out the reporting activities 	<ul style="list-style-type: none"> • Perform the various activities after consolidation • Perform updation of tracking information in the system • Identify the common issues faced by trucks • Prepare various reports such as damaged goods, trend in delivery costs, driver stipends etc • Report deviations as per escalation matrix
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Teaching board, Computer, Projector, Sample documents , TMS(learning version)	

Module 5: Compliance to Health, Safety and Security Measures during transport consolidation

Mapped to LSC/N1127, v1.0

Terminal Outcomes:

- Demonstrate health, safety and security measures during transport consolidation

Duration: 20:00	Duration: 70:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail health, safety and security procedures during transport consolidation • Explain the importance of Material Safety Data Sheet (MSDS) and other security procedures • Detail the precautionary data handling procedures • Discuss the organizational protocol in case of emergency situation or accident or breach of safety 	<ul style="list-style-type: none"> • Demonstrate health and safety procedures during transport consolidation • Follow organizational protocol in case of emergency situation or accident or breach of safety • Inspect the activity area and equipment for appropriate and safe condition • Report deviations as per escalation matrix
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Teaching board, Computer, Projector, Workshop Safety: Fire extinguishers, First Aid kits, Safety signs, SOP Charts on safety norms and drills, Charts of Do's and Don'ts in work area, LLMS(learning version), TMS(learning version)	

Module 6: 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"> • Discuss the Employability Skills required for jobs in various industries • 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 importance of relevant 21st century skills. • Describe the benefits of continuous learning. • Explain the importance of active listening for effective communication • Discuss the significance of working collaboratively with others in a team • Discuss the significance of escalating sexual harassment issues as per POSH act. • List the common components of salary and compute income, expenditure, taxes, investments etc. • Discuss the legal rights, laws, and aids • Describe the role of digital technology in today's life • Discuss the significance of displaying responsible online behaviour while browsing, using various social media platforms, e-mails, etc., safely and securely • Explain the types of entrepreneurship and enterprises • Discuss how to identify opportunities for potential business, sources of funding and 	<ul style="list-style-type: none"> • Practice different environmentally sustainable practices. • 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. • Demonstrate to use basic English sentences for everyday conversation in different contexts, in person and over the telephone • Read and interpret text written in basic English • Write a short note/paragraph / letter/e - mail using basic English • Create a career development plan with well-defined short- and long-term goals • Communicate effectively using verbal and nonverbal communication etiquette. • Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD • Outline the importance of selecting the right financial institution, product, and service • Demonstrate how to carry out offline and online financial transactions, safely and securely • Operate digital devices and use the associated applications and features, safely and securely • Create sample word documents, excel sheets and presentations using basic features

<p>associated financial and legal risks with its mitigation plan</p> <ul style="list-style-type: none"> • Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement • Detail the significance of analyzing different types and needs of customers • Explain the significance of identifying customer needs and responding to them in a professional manner. • Discuss the significance of maintaining hygiene and dressing appropriately • Explain the significance of maintaining hygiene and confidence during an interview • List the steps for searching and registering for apprenticeship opportunities 	<ul style="list-style-type: none"> • Utilize virtual collaboration tools to work effectively • Devise a sample business plan, for the selected business opportunity • Create a professional Curriculum Vitae (CV) • Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively • Perform a mock interview
<p>Classroom Aids</p>	
<p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser, UPS, LCD Projector, Computer Tables & chairs</p>	
<p>Tools, Equipment and Other Requirements</p>	
<p>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),TMS(learning version)</p>	

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
12 th pass		2		1		Specialized in Land Transportation

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Transport Consolidator" mapped to QP: "LSC/Q1119, v3.0" with minimum score of 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	
12th pass		2		1		Specialized in Land Transportation

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Transport Consolidator" mapped to QP: "LSC/Q1119, 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).
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