

NSQF QUALIFICATION FILE

Approved in 27th NSQC Meeting-NCVET-Dated 28-02-2023

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Logistics Sector Skill Council

No. 480 A, 7th floor Khivraj Complex 2, Anna Salai, Nandanam, Chennai – 600 035

Name and contact details of individual dealing with the submission

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List of documents submitted in support of the Qualifications File

1. Model Curriculum having indicative list of equipment, lesson plan with training duration and trainer qualification.
2. Letter from the Ministry supporting the need of the qualification.
3. Industry validations

Model Curriculum to be added which will include the following:

- Indicative list of tools/equipment to conduct the training
- Trainers' qualification
- Lesson Plan
- Distribution of training duration into theory/practical/OJT component

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• SUMMARY

1	Qualification Title	Commercial Vehicle Driver - LMO
2	Qualification Code, if any	LSC/Q1005
3	NCO code and occupation	NCO-2015/ 8331.0301
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	Nature: Certificate course of Commercial Vehicle Driver - LMO Term: Long Term Purpose: Learners who attain this qualification are competent in driving liquid medical oxygen tankers.
5	Body/bodies which will award the qualification	Logistics Sector Skill Council
6	Body which will accredit providers to offer courses leading to the qualification	Logistics Sector Skill Council
7	Whether accreditation/affiliation norms are already in place or not , if applicable (if yes, attach a copy)	Yes Both accreditation and affiliation are done by LSC based on due diligence report via SIP
8	Occupation(s) to which the qualification gives access	Vehicle/Transport Operations
9	Job description of the occupation	Individuals are expected to drive the Liquid Medical Oxygen (LMO) tankers safely and efficiently on the assigned route. This role requires the individual to handle hazardous material and liquid medical oxygen. S/he should be able to handle most of the routine break downs that could likely be encountered while driving long distances and through difficult terrains. The individual is also expected to achieve other key performance parameters such as fuel efficiency, on time delivery etc.
10	Licensing requirements	HMV License
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	Not applicable
12	Level of the qualification in the NSQF	4

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13	Anticipated volume of training/learning required to complete the qualification	510 hours
14	Indicative list of training tools required to deliver this qualification	<p>For a Class of 30 Candidates</p> <p>Teaching board – 1 Projector – 1 White board - 1 Video player or TV – 1 Printer – 1 Tracker - 1 Computer – 15 Stationaries – 30 Marker - 2 MHE equipment – 1 Simulator - 1 Cut sectioned models - 2 HMV for practical – 1 Fire extinguisher - 2 Safety equipment – 2 LMO tanker for practical – 1 Alarm - 1 Scanner - 15 PPE – 15 SOP - 10 Safety guidelines – 15 LLMS TMS</p>
15	Entry requirements and/or recommendations and minimum age	<p>8th Class pass with 3 years of experience as HMV driver (as per HMV regulations of Central motor vehicle rule 1989) - Should have ability to read and write in English + at least 1 official language. Or Previous relevant Qualification of Commercial Vehicle Driver + 3 Years experience as HMV driver</p>
16	Progression from the qualification (Please show Professional and academic progression)	Land Transportation Supervisor
17	Arrangements for the Recognition of Prior learning (RPL)	LSC currently undertakes RPL through the following modes –

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		<ol style="list-style-type: none"> 1. The companies outreach to LSC regarding their requirement for RPL. LSC arranges for a trainer or a training agency to conduct the short term RPL program post which, LSC member conducts assessment and provide accreditation/ certification for the same 2. The training centres run RPL courses in coordination with industry and companies and post the course conduct assessment and certification 3. The companies reach out to LSC regarding RPL requirements. They conduct their own training as per the RPL requirements and post training LSC reviews and provides certifications regarding RPL 4. LSC has developed an online RPL assessment application which will be MCQ based test and VIVA video submission.
18	International comparability where known (research evidence to be provided)	NA

19	Date of planned review of the qualification.	28 th February 2026		
20	Formal structure of the qualification			
		Mandatory/ Optional	Estimated size (learning hours)	Level
A	Mandatory components			
	Introduction	Mandatory	30	4
	LSC/N1014 Assess and ensure road worthiness of the vehicle (LMO)	Mandatory	120	4
	LSC/N1015 Drive safely and efficiently (LMO)	Mandatory	120	4
	LSC/N1013 Handling of Liquid Medical Oxygen	Mandatory	120	4
	LSC/N9905 Follow health, safety and security procedures	Mandatory	60	4
	DGT/VSQ/N0102 Employability Skills	Mandatory	60	4

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	Sub Total (A)		510 Hrs	
B	Optional/ elective component			
	NA			
	Subtotal B			
	<u>Total (A+B)</u>		510 Hrs	

SECTION 1 **ASSESSMENT**

21	Body/Bodies which will carry out assessment: All the empanelled assessment agency will do the assessment
22	How will RPL assessment be managed and who will carry it out? RPL courses would be conducted based on the demand and requirement of industry as and when they approach LSC. There are four ways of conducting RPL assessments - <ol style="list-style-type: none">1. The companies outreach to LSC regarding their requirement for RPL. LSC arranges for a trainer or a training agency to conduct the RPL programme post which, LSC will conduct assessment and provide certification for the same2. The training centres run RPL courses in coordination with industry and companies and post the course, LSC will conduct assessment and certification3. The companies reach out to LSC regarding RPL requirements. They conduct their own training as per the RPL requirements and post training LSC reviews the program, assessing the trained candidates and provides certification4. LSC has developed an online RPL assessment application which will be MCQ based test and VIVA video submission
23	Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF. LSC has ensured to have a valid, consistent and fair show of assessments by having an assessment policy and process in place and LSC has also set the minimum qualification and experience criteria. Assessment policy of LSC <ol style="list-style-type: none">1) All the assessments have to be carried out based on the criteria code set by LSC in qualification packs.2) Qualification and experience have to be set for the assessors.3) LSC will insist the assessment body to hire honest and fair assessors with relevant experience prescribed by LSC.

- 4) Assessment bodies will strictly stick to the norms prescribed by LSC when conducting assessments.
- 5) Assessment schedules have to strictly adhere to as agreed in advance by assessment body and LSC.
- 6) Reporting of MIS by the assessment body to LSC has to be within the agreed time lines.
- 7) Assessment bodies have to ensure that assessments are conducted in a fair and honest manner
- 8) Any negative remark on the assessor or assessment body if proven will be black listed by LSC
- 9) Assessment tools should be designed to test both practical skills and theoretical knowledge.
- 10) Parameters for assessing student's abilities or understanding should be aligned to the relevant competencies that are expected to be acquired at the end of the training.
- 11) Expected standards of performance for each competency should be clearly defined and Student's performance assessed against these standards.
- 12) Questionnaires/ test papers should be as objective as possible (restrict use of open-ended questions to the minimum) such as multiple-choice questions, yes/no or True / False types based on blue print.
- 13) Questions framed as per blueprint and without ambiguity by SMEs.
- 14) All assessments should be scored carefully and a log of all scores for every candidate Maintained.
- 15) Hard copies and soft copies of assessment forms and scores should be maintained and be readily available for any audit by LSC / NSDC or third party

Assessment strategy:

Assessment process to be adhered by assessment bodies and LSC

- 1) Logistics Sector Skill Council to inform the assessment body on assessment details at least 2 weeks in advance
- 2) Assessment body to appoint an assessor for the assessment details shared by Logistics Sector Skill Council and inform the assessor details to Logistics Sector Skill Council at least 1 week in advance from the date of assessment.
- 3) Assessment bodies to design the question paper for theory, practical & viva as per blueprint and submit to logistics sector skill council while empanelment of AA.
- 4) Logistics Sector Skill Council to approve the Question banks within 7 days from submission.
- 5) Assessment bodies to ensure that the assessor reaches the assessment location at least before 1 hour in advance from the time of assessment.
- 6) Assessor to start the assessment exactly on the time instructed by Logistics Sector Skill Council.

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- 7) Assessor to verify the candidates with any valid Govt. id preferably Aadhar and also collect a copy of ID proof produced by the candidate.
- 8) Assessor to record all the evidence as per assessment protocol of Logistics Sector Skill Council
- 9) Assessment bodies to submit the result to logistics sector skill council within 3 days of time from the date of assessment through LSC MIS portal.
- 10) Assessment bodies to submit the result in Skill India Portal within 2 days of time from the date of LSC approval in LSC MIS portal.
- 11) Assessment body to maintain hard and soft copies of assessment sheets and produce to Logistics Skills Council on demand.
- 12) To pass the Qualification Pack, every trainee should score a minimum of 70% for NSQF level 4 & above job roles and 50% for NSQF level 1 to 3 job roles.
- 13) In case of unsuccessful completion, the trainee may seek Re-assessment on the QP.

2. ASSESSORS – Eligible assessors will get certification through TOA programme with 2 years validity

The eligibility of assessors for “Job role – Commercial Vehicle Driver - LMO” are as follows:

- Any degree
- 2 years of industrial experience

3. ELIGIBILITY TO APPEAR IN THE EXAM:

Minimum Educational Qualification:

8th Class pass with 3 years of experience as HMV driver (as per HMV regulations of Central motor vehicle rule 1989) - Should have ability to read and write in English + atleast 1 official language.

Or

Previous relevant Qualification of Commercial Vehicle Driver + 3years experience as HMV Driver

4. MARKING SCHEME:

Sr. No.	Method of Assessments	Weightage (Max. marks)
1	Theory	30%
2	Practical	70%
Total		100

5. PASSING MARKS: Every trainee should score minimum 70%

6. RESULTS AND CERTIFICATION: Logistics Sector Skill Council

Please attach most relevant and recent documents giving further information about assessment and/or RPL.

ASSESSMENT EVIDENCE

Complete a grid for each component as listed in “Formal structure of the qualification” in the Summary.

NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – i.e. Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. Assessment evidences

1. LSC has created 16 points check list to collect on the day of assessment.
2. Assessment agencies must ensure to collect all the evidence without fail.
3. Training Partner must cooperate on collecting assessment evidence.
4. Candidates must present with their original Aadhaar's and alternative id proof which is having clear face picture on the day of assessment.
5. Assessment agency must submit all the collected evidence through LSC MIS portal.

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Title of Component:

Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
1	LSC/N1014 Assess and ensure road worthiness of the vehicle (LMO)	<p>To be competent, the user/individual on the job must be able to:</p> <ol style="list-style-type: none">1.1 Wear the appropriate PPE and clothing designed for handling LMO while checking the vehicle1.2 Check the safety devices in the vehicle, such as wheel chocks, breakdown signs, spark arrestor, traffic cone and fire extinguisher1.3 Ensure that the driver is in proper health condition1.4 Ensure that the valid documents are available in the vehicle (License, fitness certification, insurance, copy of registration certificate and road tax paid)1.5 Check that the vehicle meets basic legal and compliance requirements:<ul style="list-style-type: none">• The organization guidelines, e.g. rule books• CMVR guidelines from the Ministry of Road Transport & Highway and other guidelines issued by Road Transport Authorities like RTOs• Any other safety, security and environmental guidelines1.6 Check vehicle service records indicative of any history of technical defects1.7 Perform the appropriate checks for the cooling system, steering, electrical, fluid levels, braking system and other general condition of the vehicle1.8 Ensure that there are no leakages in the cooling system1.9 Perform the free play test to check the steering1.10 Examine the fluid levels – oil levels, engine oil, gearbox hydraulic oil, brakes fluid, washer liquid and fuel1.11 Check the braking systems to ensure it is working properly1.12 Examine the electrical system of the vehicle by conducting the start-stop test1.13 Ensure that there are no flammable items, greasy rags or diesel in the vehicle

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>1.14 Ensure to use tools that are cleaned for oxygen service and the toolkit is stowed in a place away from the cargo</p> <p>1.15 Always stay on the planned route as approved by the shipper</p> <p>1.16 Report actual or possible defects to the senior driver or owner, or service supervisor in enough detail so they can diagnose the problem</p> <p>1.17 In consultation with the owner conclude about the roadworthiness of vehicle and, if found unfit to decide to use another vehicle.</p>
2	LSC/N1015 Drive safely and efficiently (LMO)	<p>To be competent, the user/individual on the job must be able to:</p> <p>2.1 Follow the standard driving practices while driving LMO tankers</p> <p>2.2 Follow the safety precautions during each step involved in the process of loading liquid oxygen to the tankers</p> <p>2.3 Observe 10km/hr speed inside the factory</p> <p>2.4 Check the availability of cones, signs, PPE, emergency kit etc.</p> <p>2.5 Ensure to review the decantation and venting procedures before driving</p> <p>2.6 Follow the safety precautions while parking of LMO tankers</p> <p>2.7 Ensure to keep a check on pressure gauge once every 4 hours</p> <p>2.8 Follow the precautions in each step of involved in the unloading of liquid oxygen and exiting the delivery site</p> <p>2.9 Observe 5 Km/hr speed limit while driving in delivery location</p> <p>2.10 Ensure that all the safety precautions are followed during empty return of tankers</p> <p>2.11 Ensure Safety Data Sheet (SDS) & Transport Emergency Card (TREM) are in the documents</p> <p>2.12 Ensure Emergency Number and Valid Chief Controller of Explosives (CCoE) Peso Certificate are available</p>

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>2.13 Perform various defensive driving techniques regarding overtaking, parking, stopping, driving in the rain, driving at night etc, wherever required.</p> <p>2.14 Practice the mechanism of managing cargo pressure on the road while driving on curvy roads, braking hazards etc</p> <p>2.15 Follow the safe driving techniques while negotiating turns and curves</p> <p>2.16 Apply professional skills and take decisions on time as per the situation</p> <p>2.17 Follow Precautions and road signs to avoid roll over, braking hazard and possible accidents</p> <p>2.18 Remain alert at all times while driving and handle stress effectively</p> <p>2.19 Follow state specific traffic regulations such as change of lanes</p> <p>2.20 Maintain a safe distance from other vehicles and signal your intentions correctly to other road users within a safe, systematic routine respond appropriately to all permanent and temporary traffic signals, signs and road markings as well as hand signals of traffic policeman.</p> <p>2.21 Use indicators and parking lights when stationary, where needed select a safe, legal and convenient place to stop.</p> <p>2.22 Secure the vehicle safely on gradients using hand brakes and wheel choke check for oncoming cyclists, pedestrians and other traffic before opening your door</p> <p>2.23 Remain calm and composed during difficult situations like traffic jam, accidents and strictly avoid any feud with fellow commuters and other public.</p> <p>2.24 Give preference and right of road usage to children, elderly and differently abled</p> <p>2.25 Comply with any related rules, regulations and practices for handling general public issues as well as show consideration towards stray animals</p>
3	LSC/N1013 Handling of Liquid Medical Oxygen	<p>To be competent, the user/individual on the job must be able to:</p> <p>3.1 Wear appropriate clothing and PPE (face and head shield, full sleeves, covered clothing, covered</p>

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>shoes, 100% cotton or wool, cryogenic gloves) while handling liquid oxygen</p> <p>3.2 Ensure that PPE is worn at all times and any clothing coming in contact with liquid oxygen must be removed immediately</p> <p>3.3 Ensure that there is no smoking or open flames in any area where liquid oxygen is stored or handled</p> <p>3.4 Ensure that no liquid oxygen or oxygen-enriched air comes in contact with flammable or combustible substances of any kind</p> <p>3.5 Use only oxygen-compatible materials and lubricants</p> <p>3.6 Check that the Cryogenic containers are always in an upright position while being transported, handled or stored</p> <p>3.7 Ensure that the cryogenic containers are not tipped, slid or rolled on their side while moving</p> <p>3.8 Use a suitable hand truck or trolley for moving small containers</p> <p>3.9 Avoid mechanical and thermal shock while moving cryogenic oxygen cylinders</p> <p>3.10 Use only transfer lines and equipment designed for use with cryogenic liquids and ensure that they are well insulated</p> <p>3.11 Ensure that the appropriate protocol is followed while loading of oxygen into tank</p> <p>3.12 Inspect that a diffuser is attached to the transfer hose to reduce turbulence & release of gas while filling up from tanker</p> <p>3.13 Review the decantation and venting procedure for the tank</p> <p>3.14 Monitor the pressure gauge as per the prescribed guidelines and always wear a PPE</p> <p>3.15 Follow the appropriate procedure for rupture disk and valve failure</p> <p>3.16 Follow the emergency protocol for leaks, spills, rupture disk and valve failure</p> <p>3.17 Follow all the statutory requirements of the chief controller of Explosives in India, SMPV rules and MSDS</p> <p>3.18 Comply with defensive driving techniques to ensure safety</p>

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
4	LSC/N9905 Follow Health, Safety and security procedures	<p>To be competent, the user/ individual must be able to:</p> <ul style="list-style-type: none"> 4.1 make note of all safety processes in different location (cargo loading area, ramp operation area, etc.) with reference to area of operation 4.2 wear all PPE such as goggles, ear plugs, helmet, mask, shoes, etc. as applicable in the cargo movement area 4.3 follow standard driving practice to ensure safety of life and material 4.4 follow organizational protocol to deploy action in case of signs of any emergency situation or accident or breach of safety 4.5 undertake periodical preventive health check ups 4.6 follow necessary Standard Operating Procedures (SOP) and precautions while handling dangerous and hazardous goods 4.7 follow security procedures like green gate in port, customs area, factory security, etc. 4.8 comply with data safety regulations of the organization 4.9 follow standard safety procedures while handling hazardous / fragile cargo and walk only on the designated pathway 4.10 recognize unsafe conditions and safety practices at the workplace and report it to concerned authority 4.11 inspect the activity area and equipment for appropriate and safe condition 4.12 check if stacking is done at defined height and is not on the walk way 4.13 check if walk way is free from grease/ oil 4.14 check if emergency fire alarms, water sprinklers and smoke detectors are installed at all places 4.15 participate in fire drills 4.16 check if standard material handling procedure are being followed

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		4.17 check if hold ladders, platforms and hand rails to be in a sound and safe condition 4.18 check if all the safety and security related tags, labels and signage are placed in the cargo 4.19 check if loading instrument is certified and operational 4.20 implement 5S at workplace 4.21 check if cargo has passed security checks and report in case of any violation
5	DGT/VSQ/N0102- Employability Skills	To be competent, the user/individual on the job must be able to: 5.1 Discuss the Employability Skills required for jobs in various industries 5.2 List different learning and employability related GOI and private portals and their usage 5.3 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 5.4 Show how to practice different environmentally sustainable practices. 5.5 Discuss importance of relevant 21st century skills. 5.6 Exhibit 21st century skills like Self-Awareness, Behavior 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. 5.7 Describe the benefits of continuous learning. 5.8 Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone 5.9 Read and interpret text written in basic English 5.10 Write a short note/paragraph / letter/e -mail using basic English 5.11 Create a career development plan with well-defined short- and long-term goals 5.12 Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette. 5.13 Explain the importance of active listening for effective communication 5.14 Discuss the significance of working collaboratively

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>with others in a team</p> <p>5.15 Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD</p> <p>5.16 Discuss the significance of escalating sexual harassment issues as per POSH act.</p> <p>5.17 Outline the importance of selecting the right financial institution, product, and service</p> <p>5.18 Demonstrate how to carry out offline and online financial transactions, safely and securely</p> <p>5.19 List the common components of salary and compute income, expenditure, taxes, investments etc.</p> <p>5.20 Discuss the legal rights, laws, and aids</p> <p>5.21 Describe the role of digital technology in today's life</p> <p>5.22 Demonstrate how to operate digital devices and use the associated applications and features, safely and securely</p> <p>5.23 Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely</p> <p>5.24 Create sample word documents, excel sheets and presentations using basic features</p> <p>5.25 utilize virtual collaboration tools to work effectively</p> <p>5.26 Explain the types of entrepreneurship and enterprises</p> <p>5.27 Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan</p> <p>5.28 Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement</p> <p>5.29 Create a sample business plan, for the selected business opportunity</p> <p>5.30 Describe the significance of analyzing different types and needs of customers</p> <p>5.31 Explain the significance of identifying customer needs and responding to them in a professional manner.</p> <p>5.32 Discuss the significance of maintaining hygiene and dressing appropriately</p> <p>5.33 Create a professional Curriculum Vitae (CV)</p> <p>5.34 Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively</p>

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		5.35 Discuss the significance of maintaining hygiene and confidence during an interview 5.36 Perform a mock interview 5.37 List the steps for searching and registering for apprenticeship opportunities

Employability Skills (60 hours)

S. No	Module Name	Duration (hours)	Assessment Marks
1.	Introduction to Employability Skills	1.5	2
2.	Constitutional values - Citizenship	1.5	2
3.	Becoming a Professional in the 21st Century	2.5	6
4.	Basic English Skills	10	6
5.	Career Development & Goal Setting	2	3
6.	Communication Skills	5	4
7.	Diversity & Inclusion	2.5	2
8.	Financial and Legal Literacy	5	5
9.	Essential Digital Skills	10	8
10.	Entrepreneurship	7	4
11.	Customer Service	5	3
12.	Getting Ready for Apprenticeship & Jobs	8	5
	Total	60	50

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SECTION 2

25. EVIDENCE OF LEVEL

Option B –

Title/Name of qualification/component: Commercial Vehicle Driver - LMO (NSQF – 4)			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
Process	<ul style="list-style-type: none">S/he would be able to drive the commercial vehicle with Liquid medical oxygen (LMO) tanks safely and efficiently.	The process involves engaging into both routine and non-routine activities. The individual on the job must work in familiar and predictable environment. Carry out routine tasks such as: driving commercial vehicles to safely transport LMO tankers. Should comply to duty reporting, assess the road worthiness of the vehicle as per the guidelines.	4
Professional knowledge	<p>S/he would have knowledge of</p> <ul style="list-style-type: none">Regulations and norms by regulatory bodiesCommercial vehicle operationsSafety and precautionary measuresHandling of LMO and other hazardous materials	The job holder knows and understands different rules and regulations of the govt, the workings of commercial vehicle, their controls and logics, operations and basic trouble shooting concepts. S/he also understands the safety measures, optimal working conditions, dealing with emergencies. S/he clearly understand the special safety, defensive driving techniques and precautionary measures to be taken while driving liquid medical oxygen (LMO) tankers.	4
Professional skill	<ul style="list-style-type: none">S/he would have business skills to make decisions on when not to	The job holder demonstrates skill to efficiently and safely drive commercial vehicle to transport LMO. S/he should drive in a safe manner considering various signage and	4

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	use the vehicle due to technical and/or other reasons.	layouts. S/he also demonstrates skills to assess the road worthiness of vehicle and compliance related issues.	
Core skill	<ul style="list-style-type: none">• Communication skills• Commercial vehicle driving skills• Safety considerations• Handling of LMO• Mathematical aptitude	The job holder has to communicate clearly at all times to obtain task schedule, clarify queries, coordinate while driving and reporting. S/he also needs to follow the organization markings and principles regarding safety protocols during operations. S/he should have basic engineering and mathematical aptitude to estimate distances, safe handling of shipment (LMO), calculating speed and time, etc.	4
Responsibility	<ul style="list-style-type: none">• Responsible for safely and efficiently transporting LMO tanks.	S/he is responsible and accountable for safe delivery of LMO tanks and safety and upkeep of vehicles.	4

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SECTION 3

EVIDENCE OF NEED

26	Estimated uptake of Qualification? Basis	What evidence is there that the qualification is needed? What is this qualification and what is the basis of this? (Applicable for SSCs)
	Need for the qualification	<p>While collecting data from the companies for the occupational map, we also took feedback from industry players regarding the skill gap that they foresee and select areas where the requirement is immediate and or expected to come in near future for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the industry feels they face. Governing council of LSC gave final approval and endorsement for the same.</p> <p>The same are also indicated in various skill studies conducted for the logistic sector –</p> <ol style="list-style-type: none"> 1. Skill requirement in logistics sector <p>https://drive.google.com/file/d/0B5rqF9xqytDIUIF4WEtyWXJBbIE/view</p>
	Industry Relevance	<p>As part of the exercise for development of qualification pack and Q-file, LSC interacted with industry bodies, select companies and collected validation from industry players employing people for this job role in the sub-sector. The details of the industry interaction and validation collected have been shared as a separate folder along with the Q file.</p>
	Usage of the qualification	<p>The information related to past uptake performance of previous QPs related to courier sector at level 3 and level 4 job roles is not available in the public domain. Hence, the uptake for this qualification cannot be assessed from their uptake. Also, the QPs have been in the system for only about a year.</p>
	Estimated uptake	<p>Skills Gap Analysis Reports for industry demand and secondary research data, though these do not lead to accurate demand projection. The link to NSDC Human Resource & Skills Requirement in Logistics Sector is</p> <p>https://drive.google.com/file/d/0B5rqF9xqytDIUIF4WEtyWXJBbIE/view?usp=sharing</p> <ul style="list-style-type: none"> • Feedback from industry players

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27	<p>Recommendation from the concerned Line Ministry of the Government/Regulatory body. To be supported by documentary evidence</p> <p>Letter had been sent via email to line ministry seeking approval</p>
28	<p>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</p> <p>NCVET list of Approved and Under-Development QPs along with the Qualifications listed on NQR was checked prior to commissioning the work</p>
29	<p>What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated? Specify the review process here</p> <ul style="list-style-type: none">• Qualification that has been developed would be valid for 3 years from the date of upload in NQR.• Periodical interaction with the training partners to gather feedback in implementation.• Employer feedback will be sought post-placement on performance and training standards.

Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

SECTION 4

EVIDENCE OF PROGRESSION

30	<p>What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?</p> <p><i>Show the career map here to reflect the clear progression</i></p> <p>Horizontal and vertical progression has been highlighted in the Occupational map. The same is attached in the following page for reference</p>
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Please attach most relevant and recent documents giving further information about any of the topics above.

NSQF QUALIFICATION FILE

Approved in 27th NSQC Meeting-NCVET-Dated 28-02-2023

Figure 1: Occupational Map of the Land Transportation Sector

Occupations	Land Transport			
	Ground Operations (Vendor coordination, gate operations, consolidation, route planning)	Vehicle/Transport Operations	Customer Support / Relations (Consignment booking)	Documentation and Reporting (Documentation, Quality Assurance, claims)
	10	11	12	3
Level 10	Managing Director/ President, Vice president, Global/country head, Chief general managers			
Level 9				
Level 8				
Level 7	Transport lead			
Level 6	Transport Manager (Hub and multimodal operations)			
	Warehouse cum inventory cum Transport Manager - (Hub and multimodal operations)			
Level 5	Transport supervisor (Operations)	Transport - supervisor (Vehicle tracking, ODC transport)		Transport - supervisor (Documentation and Reporting)
Level 4	Transport Executive (Coordination, consolidation)	Transport Executive - (Cargo tracking, route optimization)		Transport Executive - (Documentation)
		Commercial Vehicle Driver - LMO		
Level 3	Transport Associate (Vendor planning, gate operations)	Transport associate (vehicle and consignment tracking)	Transport associate (Consignment booking)	

Figure 2: Career Progression path for a Commercial Vehicle Driver - LMO

