

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Logistics Skill Council

**'Temple Towers', Ground Floor, No 476, Anna Salai, Nandanam, Chennai 600
035**

Name and contact details of individual dealing with the submission

Name :Mr.Dhanasekar B

Position in the Organization :Head – HR, Standards & Quality
Assurance

Address if different from above : Same as above

Tel number :+91-7200072711

E-mail address :dhanab@lsc-india.com

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. NSDC Human Resource & Skills Requirement in Logistics Sector
3. Qualification pack
4. Validations received from industry
5. Occupational mapping

NSQF QUALIFICATION FILE

Approved in 23rd NSQC Meeting, 22nd August, 2019

• SUMMARY

1	Qualification Title		Cargo handler - manual
2	Qualification Code, if any		LSC/Q3601
3	NCO code and occupation		NCO – 2015 – 9333.01 – Loader and Unloader
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)		<p>Nature: Certificate course of Cargo handler - manual</p> <p>Purpose: Learners who attain this qualification would be competent to operate MHEs and cranes in port environment. They would get job as cargo handler - manuals in ports, CFS and ICDs</p>
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)		<p>Yes</p> <p>For non PMKVY, both accreditation and affiliation is done by LSC based on due diligence report</p> <p>For PMKVY centres, accreditation happens via SMART portal and review of centre inspection reports. Upon obtaining accreditation from NSDC, centre will be affiliated by LSC based on due diligence</p> <p>Refer Annexure 1 – Affiliation document</p>
8	Occupation(s) to which the qualification gives access		Mooring and Stevedoring
9	Job description of the occupation		The individual performs manual cargo handling activities such as stevedoring, mooring and signalling the vessel and crane operators at ports. S/He is responsible for individual performance as well as coordinating and organising the team to achieve the defined task at hand
10	Licensing requirements		Not Applicable

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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
13	Anticipated volume of training/learning required to complete the qualification		410 to 620 hrs
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 Computer – 15 Stationaries – 30 Marker - 2 MHE equipment's – 1 Barcode scanner - 15 PPE – 15 Vessel/container tracking IT software – 1 Packing devices - 15 Packaging material – 20 Ropes – 10 Mooring equipment and tools – 5 GPS Maps – 10 Navigation guide – 10 Customs documentation formats- 10</p>
15	Entry requirements and/or recommendations and minimum age		<p>Education – Class X; candidate should have completed 18 years of age.</p> <p>Job entry age – 18 years</p>
16	Progression from the qualification (Please show Professional and academic progression)		<p>Professional - After completion of course and the personal will gradually progress from stevedore to cargo supervisors and onwards to shift in-charge</p> <p>Academic –Candidate to clear Class XII through open school and proceed further to Diploma or Graduate and then to Post graduate</p>

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17	Arrangements for the Recognition of Prior learning (RPL)	<p>LSC currently undertakes RPL through the following modes –</p> <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 programme post which, LSC member conducts assessment and provide accreditation/ certification for the same 2. The training centre 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 is developing an online RPL assessment application which will be MCQ based test.
18	International comparability where known (research evidence to be provided)	<p>ISCO-08/9333 – Freight Handlers</p> <p>Similar occupations in other countries –</p> <p>Canada – Code - 7451 – Long Shore Workers</p> <p>Australia and New Zealand – code – 8911-13 – waterside workers</p> <p>UK – Code – 9260 – elementary storage operations</p>

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19	Date of planned review of the qualification.	05/2022		
20	Formal structure of the qualification			
		Mandatory/ Optional	Estimated size (learning hours)	Level
A	Mandatory components			
	Introduction	Mandatory	30	3
	LSC/N3601 Collect vessel and cargo details and coordinate for smooth cargo movement	Mandatory	70	3
	LSC/N3602 Perform stevedoring activities	Mandatory	70	3
	LSC/N3603 Perform mooring activities	Mandatory	70	3
	LSC/N3604 Perform signalman activities	Mandatory	70	3
	LSC/N9904 Follow ethics and integrity in operations	Mandatory	50	3
	LSC/N9905 Follow health, safety and security procedures	Mandatory	50	3
	Sub Total (A)		410 Hrs	
B	Elective/ Optional component			
	Cargo Handler – Manual	Elective/ Optional	Estimated size (learning hours)	Level
	LSC/N4101 Perform basic navigation	Optional	70	3
	LSC/N4009 Perform mooring and rope work	Optional	70	3
	LSC/N2341 Perform customs clearance field activities	Optional	70	3
	Sub total B		210 Hrs	
	Total (A+B)		410 hrs to 620 hrs	

SECTION 1
ASSESSMENT

<p>21</p>	<p>Body/Bodies which will carry out assessment:</p> <table border="1"> <thead> <tr> <th>SI.No.</th> <th>Assessment Agency</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hemsen EXIM LLP</td> </tr> <tr> <td>2</td> <td>Mettl</td> </tr> <tr> <td>3</td> <td>I-Vintage solutions Pvt. Ltd.</td> </tr> <tr> <td>4</td> <td>CoCubes</td> </tr> <tr> <td>5</td> <td>Samhit Assessments & research foundation</td> </tr> <tr> <td>6</td> <td>Formac Software Services</td> </tr> <tr> <td>7</td> <td>Lead</td> </tr> <tr> <td>8</td> <td>C & K Management Limited</td> </tr> <tr> <td>9</td> <td>Krish Networks</td> </tr> <tr> <td>10</td> <td>Green Arrows</td> </tr> <tr> <td>11</td> <td>Anagha Solutions</td> </tr> <tr> <td>12</td> <td>Logistics Sector Skill Council (LSSC Agency)</td> </tr> <tr> <td>13</td> <td>Eminence Solutions</td> </tr> </tbody> </table>	SI.No.	Assessment Agency	1	Hemsen EXIM LLP	2	Mettl	3	I-Vintage solutions Pvt. Ltd.	4	CoCubes	5	Samhit Assessments & research foundation	6	Formac Software Services	7	Lead	8	C & K Management Limited	9	Krish Networks	10	Green Arrows	11	Anagha Solutions	12	Logistics Sector Skill Council (LSSC Agency)	13	Eminence Solutions
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<p>22</p>	<p>How will RPL assessment be managed and who will carry it out?</p> <p>RPL courses would be conducted based on the demand and requirement of industry as and when they approach LSC. There are three ways of conducting RPL assessments -</p> <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 programme post which, LSC member conducts assessment and provide accreditation/ certification for the same 2. The training centre 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 is developing an online RPL assessment application which will be MCQ based test. 																												

	<p>The assessment would be done by either LSC or the affiliated assessment agencies listed in the previous point</p>
<p>23</p>	<p>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.</p> <p>1. ASSESSMENT Guideline</p> <p>Assessment of the Candidates on completion of the Training is a very important activity that is monitored by Logistics Sector Skill Council (LSC). It ensures sustained quality of training delivery. It also indicates to the LSC the need for any changes in training content. LSC has developed policies related to affiliation of assessment agencies and assessment process to enhance the quality of assessments and they are outlined in succeeding paragraphs.</p> <p>1) Policy on affiliation of assessment agencies:</p> <p>LSC has created a policy for affiliation of assessment agencies as under mentioned.</p> <ol style="list-style-type: none"> 1) Affiliating Industry as assessment agencies 2) Affiliation of assessment agencies set up by individuals with relevant and extensive industry experience 3) Affiliation of assessment agencies set up by individuals retired from Defence academies 4) Affiliation of academic assessment agencies with strong industry connect and ability to place candidates in logistics sector. <p>2) Assessment process:</p> <ol style="list-style-type: none"> 1) The assessment process would begin by developing the correct qualitative questions for theory/practical and viva. Questions papers are submitted by Assessment Bodies (AB) to LSC for approval. 2) AB submits Assessor's details, their experience and credentials to LSC for approval. 3) Third step in the process would be allocation of batches by LSC to AB for which LSC has shifted from a manual allocation system to automated allocation on the basis of grading system on the below mentioned parameters. <ol style="list-style-type: none"> i. Quality of the assessors submitted by the assessment agency ii. Certification of the assessor by LSC basis the training of assessor's program conducted by LSC iii. Adherence to schedule of assessments by the assessment agencies iv. Integrity of the assessor in conducting quality assessments v. Quality of the question papers submitted by the assessment agencies to LSC

vi. Submission of quality documents of the assessments conducted as insisted by LSC

vii. Time of submission of the required assessment related documents to LSC for approval

viii. Time of submission of results in SDMS system post approval by LSC

Basis the above grading metrics the system would allocate the batches to the assessment agencies, which has brought transparency in the system of who are allocated how many batches and it is made very clear to the ecosystem that performance matters a lot.

This has in turn also helped to improve the quality of the trainings as the check list of documents advised by LSC to be submitted by the assessment agencies speaks on the quality of trainings happening.

2. ASSESSORS

SI.No.	Assessment Agency
1	Hemsen EXIM LLP
2	Mettl
3	I-Vintage solutions Pvt. Ltd.
4	CoCubes
5	Samhit Assessments & research foundation
6	Formac Software Services
7	Lead
8	C & K Management Limited
9	Krish Networks
10	Green Arrows
11	Anagha Solutions
12	Logistics Sector Skill Council (LSSC Agency)
13	Eminence Solutions

3. ELIGIBILITY TO APPEAR IN THE EXAM:

Minimum Educational Qualification: Class X; candidate should have completed 18 years of age

Work experience: No experience required

4. MARKING SCHEME:

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

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	<p>5. PASSING MARKS: Every trainee should score minimum 70% in every NOS.</p>
	<p>6. RESULTS AND CERTIFICATION: Logistics Sector Skill Council</p>

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

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria
5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
6. In case of unsuccessful completion, the trainee may seek re-assessment on the Qualification Pack

Title of Component:

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
1	Collect cargo and vessel details and coordinate for smooth cargo movement	<p>The candidate should able to;</p> <ol style="list-style-type: none"> 1.1 attend shift meetings to obtain daily task schedule 1.2 collect information on nature and volume of cargo and vessel berthing details 1.3 collect appropriate equipment, devices and PPE for the activity 1.4 coordinate between gang members to jointly perform the task – moving of cargo, rope work, etc. 1.5 identify cargo and load and unload cargo as per material handling SOP 1.6 perform safe rigging of containers and cargo using wires, locks, master-links, winches, etc. 1.7 advise and support the team members during the activity as required 1.8 clean the vessel hold and the port cargo drop zones post discharge and collect spillage 1.9 provide a daily activity report to the supervisor including damages and injuries 1.10 obtain daily task schedule from supervisor regarding signalling for vessel or crane 1.11 obtain information on the vessel ETA, berth allocated, on-board cargo, size and type of vessel or type of crane, cargo details and location for operations, etc. 1.12 obtain the necessary equipment – VHF radio, flags, PPEs, guide to flag codes, etc. 1.13 check that the equipment – VHF radio is functioning and that all flags are available and perform a pre-operation checklist 1.14 ensure that the VHF frequency between the communicating instruments are tuned and does not overlap with others 1.15 wear the necessary PPEs 1.16 obtain instructions regarding mooring activity and position along with details of vessel arrival time, berth allocated, on-board cargo, size and type of vessel 1.17 obtain the necessary equipment – VHF radio, slip ropes, rope tails, quick release hooks, etc. 1.18 assemble with the mooring gang at the berth and check for availability and fitness of different mooring equipment and ropes

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		1.19 obtain the mooring plan from supervisor and take charge of allocated responsibility 1.20 check the area for any hazards and use the appropriate PPE
2	Perform stevedoring activities	The candidate should able to; 6.1 identify the cargo to be loaded/unloaded, based on markings and labels 6.2 segregate hazardous cargo 6.3 identify damaged cargo and inform supervisor 6.4 ensure cargo is sorted and stacked in correct location as per safety norms and site conditions 6.5 execute lashing/unlashing of cargo and container as per lashing plan 6.6 perform safe rigging of containers and cargo using wires, locks, master-links, winches, etc. 6.7 block and lash the cargo on the port, vessel or transporter using wires, hooks, etc. 6.8 assist MHE operator in collecting bulk cargo from vessel holds and port drop zones and storage 6.9 observe loading equipment, structures and material for any defect during operations and highlight the same to supervisor 6.10 clean the vessel hold and the port cargo drop zones post discharge and collect spillage 6.11 identify the location to which the cargo must be moved 6.12 undertake manual movement of cargo to the identified location and stack it as per plan 6.13 ensure no undue effects of moving cargo from one location to another 6.14 undertake adequate care while moving loose, liquid, and hazardous cargo 6.15 coordinate as per plan during team lifting activities 6.16 follow lane discipline for people and material movement 6.17 assist in homogenous loading of bulk cargo in the vessel holds 6.18 provide daily activity report to supervisor including cargo moved, spillages, accidents, injuries etc.

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		identify damaged goods
3	Perform mooring activities	<p>The candidate should able to;</p> <ul style="list-style-type: none"> 8.1 set the communication channels to the right frequency 8.2 clear berth conditions for mooring/unmooring 8.3 position cranes and gantries/loaders correctly for positioning of vessel 8.4 communicate any safety concerns to the vessel before commencement of operations 8.5 communicate with vessel using VHF and hand signals while the vessel is docking 8.6 communicate using common hand signals to receive the heaving and mooring lines 8.7 receive the heaving line form the mooring launch and make it fast to applicable bollard/hook 8.8 ensure correct method for crossing mooring lines over and between another vessel's mooring line is followed 8.9 receive the head line, breast line (stern line) and other lines, and fix around the bollard/hook 8.10 tie all forward and aft mooring lines to secure vessel 8.11 ensure careful heaving line return 8.12 coordinate between gang to jointly set up the formwork/ rope ladders for movement of cargo and load/ unload from the vessel 8.13 inform vessel crew before commencing unmooring 8.14 remove tie and execute slinging activities as per plan 8.15 ensure mooring lines are clear from the propeller and stand clear of the remaining lines which are under tension 8.16 communicate to the vessel regarding go-ahead once mooring lines are dis-engaged 8.17 report to supervisor at the end of the task escalate any accidents, damages or issues to the supervisor
4	Perform signalman operations	<p>The candidate should able to;</p> <ul style="list-style-type: none"> 9.1 confirm berthing plan with the ship and yard planning supervisor and the vessel operator 9.2 communicate with vessel using VHF radio, flags and hand signals to guide the vessel

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>for docking</p> <p>9.3 communicate with the outgoing vessel regarding a go-ahead using flags once mooring lines are dis-engaged</p> <p>9.4 obtain the material movement plan and route for cargo and container movement from ship and yard planning supervisor</p> <p>9.5 identify cargo movement area and people movement area and follow them strictly</p> <p>9.6 coordinate with rigger and crane operator to provide signal when cargo is ready and special handling requirement if any</p> <p>9.7 coordinate with crane operators and assist in moving the cargo using very high frequency (VHF) devices and hand and flag signals</p> <p>9.8 follow the material handling procedures as per SOP and signal the MHE/ crane operator</p> <p>9.9 inform the crane / MHE operator on any issues based on observation of cargo and environment</p> <p>9.10 identify impending dangers and communicate to the crane operator regarding the same</p> <p>9.11 report to supervisor at the end of the task</p> <p>9.12 escalate any accidents, damages or issues to the supervisor</p>
5	Maintain integrity and ethics in operation	<p>The candidate should able to;</p> <p>5.1 refrain from indulging in corrupt practices</p> <p>5.2 avoid using company's funds, property or resources for undertaking personal activities</p> <p>5.3 protect customer's information and ensure acquired information is not used for personal advantage</p> <p>5.4 protect data and information related to business or commercial decisions</p> <p>5.5 avoid acceptance of cash or kind from vendors for support or contract negotiations</p> <p>5.6 demonstrate and practice ethics in day-to-day processes and dealings with customers and colleagues</p> <p>5.7 avoid nepotism</p> <p>5.8 consult supervisor or senior management when in situations that may require differentiating between ethical and unethical</p> <p>5.9 report promptly all violations of code of ethics</p> <p>5.10 dress up and conduct in a professional</p>

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Sr. No	Outcomes to be assessed	Assessment criteria for the outcome
		<p>manner</p> <p>5.11 communicate with clients and stakeholders in a soft and polite manner</p> <p>5.12 follow etiquettes in accordance to the place</p> <p>5.13 check for regulatory documentation and compliances for the shop floor as per information from the supervisor</p> <p>5.14 perform activities considering the regulatory requirements</p> <p>5.15 use PPEs in accordance to regulatory requirements</p> <p>5.16 identify the different types of dangerous goods and handling methodologies</p> <p>5.17 follow the SOP for handling of different types of dangerous goods</p> <p>5.18 consult supervisor or senior management when in situations that may require differentiating between ethical and unethical</p> <p>5.19 promptly report all regulatory violations</p>
6	Follow health, safety and security procedures	<p>The candidate should able to;</p> <p>6.1 make note of all safety processes in different location (cargo loading area, ramp operation area, etc.) with reference to area of operation</p> <p>6.2 wear all personal protective equipment (PPE) such as goggles, ear plugs, helmet, mask, shoes, etc. as applicable in the cargo movement area</p> <p>6.3 follow standard driving practice to ensure safety of life and material</p> <p>6.4 follow organizational protocol to deploy action in case of signs of any emergency situation or accident or breach of safety</p> <p>6.5 undertake periodical preventive health check ups</p> <p>6.6 follow necessary standard operating procedures (SOP) and precautions while handling dangerous and hazardous goods</p> <p>6.7 follow security procedures like green gate in port, customs area, factory security, etc.</p> <p>6.8 comply with data safety regulations of the organisation</p> <p>6.9 follow standard safety procedures while handling hazardous / fragile cargo and walk only on the designated pathway</p> <p>6.10 recognise unsafe conditions and safety practices at the workplace and report it to concerned authority</p>

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		6.11 inspect the activity area and equipment for appropriate and safe condition 6.12 check if stacking is done at defined height and is not on the walk way 6.13 check if walk way is free from grease/ oil 6.14 check if emergency fire alarms, water sprinklers and smoke detectors are installed at all places 6.15 participate in fire drills 6.16 check if standard material handling procedure are being followed 6.17 check if hold ladders, platforms and hand rails to be in a sound and safe condition 6.18 check if all the safety and security related tags, labels and signage are placed in the cargo 6.19 check if loading instrument is certified and operational 6.20 implement 5S at workplace 6.21 check if cargo has passed security checks and report in case of any violation
7	Perform basic navigation	The candidate should able to; 7.1 identify name of other vessels and type based on the call signs and flags 7.2 locate the position using latitude and longitude on the map and globe 7.3 identify different geographies and location, major navigation river routes on the map 7.4 takeover watchkeeping from incumbent and understand the status report 7.5 execute orders stated by superiors using various nautical terms 7.6 maintain lookout and general surveillance of the vessel 7.7 watch for changes in environment weather conditions, obstacles in course and possible collisions 7.8 document and record bridge activity, observations and communicate 7.9 handover the required details to the reliever
8	Perform mooring and rope work	The candidate able to; 8.1 obtain orders for mooring from the master 8.2 check condition of messenger, heaving line, stopper and mooring ropes; 8.3 check condition and SWL of winches, fairleads, chocks and bollards and maintain

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		<p>mooring equipment in good condition;</p> <p>8.4 clean, maintain non-slip mooring deck and keep snap-back zone clear</p> <p>8.5 signal to linesman when sending heaving line ashore;</p> <p>8.6 lay out mooring rope, prepare heaving line and stopper</p> <p>8.7 arrange one standby spare heaving line; and monitor stress of mooring rope</p> <p>8.8 control mooring rope speed when paying out/heaving up</p> <p>8.9 monitoring vessel movement/clearance</p> <p>8.10 make various knots, bends, hitches and whipping on ends of rope, and various splices of ropes as required</p> <p>8.11 make various kinds of 'Whipping' on the ends of ropes</p> <p>8.12 make and fit building grips like the U of the grip</p> <p>8.13 use knotting, spicing and stoppers for rigging</p> <p>8.14 securely rig and unrig safety nets, rat guards, bosun's chair, pilot ladders, etc.</p> <p>8.15 place blocks and tackles on the vessel to secure cargo and equipment during handling operations</p>
9	Perform customs clearance field activities	<p>9.1 submit all documents required for custom clearance to custom officials as per their satisfaction</p> <p>9.2 respond to any queries raised by the custom officials</p> <p>9.3 make note of any objection raised by custom officials on the cargo</p> <p>9.4 escalate objections and remarks of custom officials to the supervisor and the customer as required</p> <p>9.5 check packaging is done as per client's requirement and regulatory compliance</p> <p>9.6 check if material is as per the details provided by the customer</p> <p>9.7 assist compliance officers in conducting inspections and then seal the container, etc. post inspections</p> <p>9.8 coordinate with the custodian officials on receipt of goods for loading to the vessel</p> <p>9.9 arrange for manpower and material handling equipment for movement of goods</p> <p>9.10 keep record of shipment in form of daily status report & update the same to</p>

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.		customers & supervisor 9.11 collect, transmit and maintain records like photograph of seals and container number, cargo stuffing, etc. as record using data management devices 9.12 submit all signed hard copies and soft data for records and filling 9.13 share a copy of the custom clearance documents with the shipper/ customs agents for further actions 9.14 collect feedback from custom's officer and report it to supervisor

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SECTION 2

25. EVIDENCE OF LEVEL

Option B – Cargo handler - manual

Title/Name of qualification/component: Cargo handler - manual (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 work in the routine environment of the port, ICD or CFS working for stevedoring, mooring, signalman or gate operations 	The process requires the job holder to perform the routine task of cargo handling, gate operations, stevedoring, mooring and signalman operations.	4
Professional knowledge	<ul style="list-style-type: none"> S/he would have knowledge of the different type of cargo, stated operations, basic documentation and risk associated with the work as well as necessary precautions 	The job holder is required to know the cargo handling operations, gate operations, crane movement constraints and mooring constraints depending on the job assigned. S/he is required to know the various precautions and PPEs to be used during these operations.	4
Professional skill	<ul style="list-style-type: none"> S/he would have the skills to perform stevedoring, mooring and signalman operations 	The job holder demonstrates skills related to manually handling cargo, cleaning holds, rigging, lashing and directing the vessel or the crane operator for movement and mooring of rope for vessel docking	4
Core skill	<ul style="list-style-type: none"> S/he would have skills to communicate, mathematically calculate and estimate distances and cargo as well as follow the reporting structure 	The job holder should have mathematical skills required to estimate distances and volume of cargo to be moved. S/he would be able to listen and communicate the requirement to coordinate with crane operators, other stevedores and mooring gangs and vessel operators. S/he should understand the various escalations, reporting structures for highlighting discrepancies and follow the instructions as	4

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		required	
Responsibility	<ul style="list-style-type: none">S/he is responsible for the task assigned handling	S/he is responsible and accountable for performing the task assigned in a safe manner - gate operations, mooring, stevedoring or signaling.	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>Previously qualification files for ground level activities at NSQF level 3 and 4 have been developed which are currently listed in NQR have been considered and rationalised into this QP.</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

NSQF QUALIFICATION FILE

Approved in 23rd NSQC Meeting, 22nd August, 2019

27	<p>Recommendation from the concerned Line Ministry of the Government/Regulatory body. To be supported by documentary evidence</p> <p>Line Ministry Validation was conducted by Ministry of Commerce in the presence of industry representatives on 4th March 2019 at Mumbai. Following the incorporation of feedback, in-principle approval has been provided by the Line Ministry.</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>NSDC 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. However, the internal review will happen with NOS sub-committee members who are all representatives from the industry• 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

NSQF QUALIFICATION FILE

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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? <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.