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| **Model Curriculum**  **QP Name: Cargo Surveyor ((Electives – Containerised Cargo / Dry Bulk Cargo/ Liquid Bulk Cargo) (Options – EXIM Documentation)**  **QP Code: LSC/Q3801**  **QP Version: 2.0**  **NSQF Level: 4**  **Model Curriculum Version: 2.0** |
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Training Parameters

|  |  |
| --- | --- |
| **Sector** | Logistics |
| **Sub-Sector** | Port Terminals, ICD, CFS |
| **Occupation** | Surveying |
| **Country** | India |
| **NSQF Level** | 4 |
| **Aligned to NCO/ISCO/ISIC Code** | NCO- 2015- 3315.9900- ISCO-08-3315 |
| **Minimum Educational Qualiﬁcation and Experience** | 11th grade pass  or Completed 1st year of 3-year diploma (after 10th) and pursuing regular diploma  or 10th grade pass plus 1-year NTC/ NAC  or 8th grade pass plus 2-year NTC + 1 Year NAC  or 8th pass plus 1-year NTC + 1-Year NAC plus CITS or 10th grade pass and pursuing continuous schooling  or 10th Grade Pass + 2 year relevant experience |
| **Pre-Requisite License or Training** | NA |
| **Minimum Job Entry Age** | 18 |
| **Last Reviewed On** | NA |
| **Next Review Date** | NA |
| **NSQC Approval Date** | NA |
| **QP Version** | 2.0 |
| **Model Curriculum Creation Date** | 02-08-2022 |
| **Model Curriculum Valid Up to Date** | 02-08-2025 |
| **Model Curriculum Version** | 2.0 |
| **Minimum Duration of the Course** | 390 hours |
| **Maximum Duration of the Course** | 570 hours |

**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:

* Inspect cargo and vessel documentation for compliance to data completeness and regulatory compliance
* Perform cargo valuation by undertaking draught measurements and computations
* Certify vessel and cargo after loading/unloading
* Inspect compliance to dangerous goods handling methods and guide teams.
* Comply to work place integrity, ethical and regulatory practices.
* Manage workplace for safe and healthy work environment by following and ensuring compliance to regulatory and safety norms
* Perform the survey and certification of containerized cargo for imports/exports, loading/unloading onto the vessel, and ones carrying hazardous materials.
* Supervise and provide certification of bulk liquid cargo at the time of loading /unloading and other related process measurements.
* Perform survey of dry bulk cargo for imports/exports and provide certification
* Inspect EXIM documentation compliance to regulatory requirements and completeness

## Compulsory Modules

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NOS and Module Details | Theory  Duration | Practical  Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
| Bridge Module | **20** | **10** |  |  | **30** |
| Module 1: Introduction to Cargo Surveyor | 20 | 10 |  |  | 30 |
| [LSC/N3801- Verify cargo and vessel information](#NOS1_verifycargo)  V1.0  4 | **15** | **35** | **10** |  | **60** |
| Module 2: Inspection of cargo and vessel information | 15 | 35 | 10 |  | 60 |
| [LSC/N3802 ­- Perform cargo valuation and certify](#NOS2_valueandcertify)  V1.0  4 | **15** | **35** | **10** |  | **60** |
| Module 3: Cargo valuation and it’s certification | 15 | 35 | 10 |  | 60 |
| [LSC/N9904 Maintain and monitor integrity and ethics in operations](#Ethics)  V1.0  4 | **20** | **40** | **0** |  | **60** |
| Module 4: Guidelines on integrity and ethics | 20 | 40 | 0 |  | 60 |
| LSC/N9905 – Follow and monitor health, safety and security procedures  V1.0  4 | **15** | **35** | **10** |  | **60** |
| Module 5: Compliance to health, safety and security norms | 15 | 35 | 10 |  | 60 |
| Employability Skills DGT/VSQ/N0102, v1.0 | **30** | **30** |  |  | **60** |
| Total Duration | **115** | **185** | **30** |  | **330** |

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## Elective Modules

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

**Elective 1: Containerized Cargo**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NOS and Module Details | Theory  Duration | Practical  Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
| **LSC/N3803 – Survey containerized cargo and certify**  **V1.0**  **4** | **30** | **30** |  |  | **60** |
| Module 6: Containerized cargo survey and it’s certification | 30 | 30 |  |  | 60 |
| Total Duration | **30** | **30** |  |  | **60** |

**Elective 2: Liquid Bulk Cargo**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NOS and Module Details | Theory  Duration | Practical  Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
| **LSC/N3804 – Survey liquid bulk cargo and certify**  **V1.0**  **5** | **30** | **30** |  |  | **60** |
| Module 7: Liquid bulk cargo survey and it’s certification | 30 | 30 |  |  | 60 |
| Total Duration | **30** | **30** |  |  | **60** |

**Elective 3: Dry Bulk Cargo**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NOS and Module Details | Theory  Duration | Practical  Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
| **LSC/N3805 – Survey dry bulk cargo and certify**  **V1.0**  **4** | **30** | **30** |  |  | **60** |
| Module 8: Dry bulk cargo survey and it’s certification | 30 | 30 |  |  | 60 |
| Total Duration | **30** | **30** |  |  | **60** |

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## Option Modules

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

**Option 1: EXIM Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NOS and Module Details | Theory  Duration | Practical  Duration | On-the-Job Training Duration (Mandatory) | On-the-Job Training Duration (Recommended) | Total Duration |
| **LSC/N2307 – Verify EXIM Documentation**  **V1.0**  **4** | **30** | **30** |  |  | **60** |
| Module 9: Inspection of EXIM Documentation | 30 | 30 |  |  | 60 |
| Total Duration | **30** | **30** |  |  | **60** |

**Module Details**

## Module 1: Introduction to Cargo Surveyor

***Mapped to Bridge Module***

**Terminal Outcomes:**

* Describe the basic structure and function of supply chain
* Detail the various functions of a cargo surveyor

|  |  |
| --- | --- |
| Duration: *20:00* | Duration: *10:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Classify the components of supply chain and logistics sector * Detail the various sub-sectors and the opportunities in them * Detail activities in Ports, CFS, ICD * Explain job roles in Ports, CFS, ICD * Detail your job role as cargo surveyor and its interface with other job roles | * Identify various activities in Ports, CFS, ICD * Identify job roles in Ports, CFS, ICD * Identify the various MHEs and equipment used in Ports, CFS, ICD |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
|  | |

**Module 2: Inspection of cargo and vessel information**

***Mapped to LSC/N3801, v1.0***

**Terminal Outcomes:**

* Detail the steps involved in inspection of vessel and cargo documentation

|  |  |
| --- | --- |
| Duration: *15:00* | Duration: *35:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Discuss vessel and cargo documentation details * Inspect vessel documentation for correctness and compliance to regulations * Review export documentation for correctness and compliance to regulations * Detail import documentation for correctness | * Perform vessel and cargo documentation * Examine the vessel document for correctness * Check the export documentation for correctness * Check import documentation for correctness and compliance to regulations * Identify deviation between physical goods with documentation |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| Computers, MIS, ERP, SOP, import, export and vesesl documentation, | |

## 

## Module 3: Cargo valuation and it’s certification

***Mapped to LSC/N3802, V1.0***

**Terminal Outcomes:**

* Detail the steps to be followed for effective valuation of cargo

|  |  |
| --- | --- |
| Duration: *15:00* | Duration: *35:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Appraise vessel for adequacy of infrastructure to carry the scheduled cargo * Describe the loading/unloading equipment and its component used for operations * Detail draught measurement carried out during loading unloading * Compute weight/volume of goods transferred using draught measurements, volumetric, density and weight measurements * Asses the weight/volume of loaded and unloaded goods * Explain the inspection procedure for loaded and unloaded goods * Use IT tools for documentation | * Assess vessel for infrastructure adequacy * Perform loading unloading using the desired equipment * Perform draught measurements before, during and after loading * Examine the weight of goods using weight measurement, draught measurement etc. * Record the weight/volume loaded / unloaded from the vessel * Inspect loaded/unloaded cargo for safety and security * Document cargo movement, damages, plan vs performance, accidents etc. * Perform documentation using IT tools |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| Computers, MIS, ERP, vessel and loading/unloading equipment | |

Module 4: Guidelines on integrity and ethics

***Mapped to LSC/N9904, v1.0***

**Terminal Outcomes:**

* Explain the concepts of integrity, ethics
* Detail the various regulatory requirements related to logistics industry

|  |  |
| --- | --- |
| Duration: *20:00* | Duration: *40:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Describe the concepts of integrity, ethics * Detail the various regulatory requirements related to logistics industry * Explain data and information security practices * Identify corrupt practices * Comply to regulatory requirements * Practice code of conduct and etiquettes * Document all integrity and ethics violations * Explain escalation matrix for reporting deviation | * Practice the principles of integrity and ethics * Follow the various regulatory requirements related to logistics industry * Perform data and information security practices * Identify corrupt practices * Comply to regulatory requirements * Practice code of conduct and etiquettes * Document all integrity and ethics violations * Report deviation as per the escalation matrix |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
|  | |

## 

## Module 5: Compliance to health, safety and security norms

***Mapped to LSC/N9905, v1.0***

**Terminal Outcomes:**

* Describe health, safety, and security procedures in warehouse
* Demonstrate the inspection procedure to ensure appropriate and safe conditions of activity area and equipment
* Illustrate the standard protocol to be followed during emergency situations, accidents and breach of safety

|  |  |
| --- | --- |
| Duration: *15:00* | Duration: *35:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Detail health, safety and security procedures in warehouse * Describe the 5S to be followed * Explain the inspection procedure to ensure appropriate and safe conditions of activity area and equipment * Discuss unsafe working conditions * Describe the inspection procedure to check safe handling of hazardous goods * Discuss the standard protocol to be followed during emergency situations, accidents and breach pf safety * Document health, safety and security violations * Explain the escalation matrix for reporting deviation | * Follow health, safety and security procedures in warehouse * Implement 5S at workplace * Inspect the activity area and equipment, for appropriate and safe conditions * Identify unsafe working conditions * Inspect adherence to standard operating procedures (SOP) while handling dangerous and hazardous goods * Implement standard protocol in case of emergency situations, accidents, and breach of safety * Prepare report on health, safety and security violations * Report deviation as per the escalation matrix |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| PPEs, MHEs like Forklift, Reach stacker, pallet truck, etc., barcode scanner, packing devices, packing material, markers and stationery, etc. | |

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# 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** |
| * 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 associated financial and legal risks with its mitigation plan * 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 | * 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 * 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 |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser, UPS, LCD Projector, Computer Tables & chairs | |
| **Tools, Equipment and Other Requirements** | |
| Computer (PC) with latest configurations – and Internet connection with standard operating system and standard word processor and worksheet software (Licensed) (all software should either be latest version or one/two version below), Scanner cum Printer | |

## Module 7: Containerized cargo survey and it’s certification

***Mapped to LSC/N3803, v1.0***

**Terminal Outcomes:**

* Detail the steps to be followed for survey of containerized cargo

|  |  |
| --- | --- |
| Duration: *30:00* | Duration: *30:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Describe different types of cargo lashing * Detail different types of packaging of goods * Detail stuffing process in container * Detail stuffing, loading procedure performed inside the container * Explain hazardous goods segregation and storage methods in container * Explain hazardous goods documentation such as class labels, manifests, safety data sheets (SDSs), and material safety data sheets (MSDSs) * Detail loading and labelling regulation * Document goods loaded/unloaded, damages, hazardous nature etc | * List out the various cargo lashing * Identify different types of packaging * Perform stuffing procedure * Inspect correct stuffing, lashing and loading in container * Segregate and store hazardous goods as per SOP * Document hazardous goods documentation like class label, safety data sheet etc. * Inspect compliance to loading regulations and labelling regulations * Perform photography of operations such as inspecting, loading/unloading, and stuffing/destuffing |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| Vessel, container, packaging equipment, lashing equipment, MSDS/SDS data sheets, labels, MHEs, computers, MIS, ERP | |

## 

## Module 8: Liquid bulk cargo survey and it’s certification

***Mapped to LSC/N3804, v1.0***

**Terminal Outcomes:**

* Detail the steps to be followed for survey of liquid bulk cargo

|  |  |
| --- | --- |
| Duration: *30:00* | Duration: *30:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Describe different types cargo hold coatings/paintings and infrastructural requirements for transporting liquid bulk cargo * Detail the process steps involved in liquid bulk loading/unloading from vessel * Explain the inspection procedure of pipes, valves etc. * Determine the density flow using measuring equipment * Describe the liquid bulk securing process using vessel equipment | * List types cargo hold coatings/paintings and infrastructural requirements for transporting liquid bulk cargo * Inspect pipes, valves, hatches and other safety equipment for adequacy to norms * Record density, flow and compute volume using various measuring equipment * Document volume loaded/unloaded, spillages during the process |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| Vessel, loading/ unloading equipment, safety and security equipments, mesuring equipments, computers, MIS, ERP | |

**Module 9: Dry bulk cargo survey it’s certification**

***Mapped to LSC/N3805, V1.0***

**Terminal Outcomes:**

* Detail the steps to be followed for survey of dry bulk cargo

|  |  |
| --- | --- |
| Duration: *30:00* | Duration: *30:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Describe infrastructure and safety requirements of vessel for carrying different types of dry bulk cargo * Evaluate the moisture content of different types of cargo * Explain hazardous goods segregation and storage methods * Evaluate filling of cargo hold * Describe dry bulk cargo securing process using vessel equipment | * Asses the infrastructure and safety of different vessel * Inspect if material handling, storage and safety equipment are as per norms * Test the moisture content of different types of dry bulk cargo * Store and segregate hazardous material as per SOP * Inspect uniform filling of cargo hold * Perform dry bulk cargo securing using vessel equipment |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| Vessel, loading/ unloading equipment, safety and security equipment, measuring equipment, computers, MIS, ERP | |

**Module 10: Inspection of EXIM Documentation**

***Mapped to LSC/N2307, V1.0***

**Terminal Outcomes:**

* Detail the steps to be followed for inspection of EXIM documentation

|  |  |
| --- | --- |
| Duration: *30:00* | Duration: *30:00* |
| **Theory – Key Learning Outcomes** | **Practical – Key Learning Outcomes** |
| * Describe the various import and export documentation required as per regulation * Evaluate organization documentation for error * Demonstrate usage of “Indian Customs Electronic Commerce/ * Electronic Data Gateway (ICEGATE)” web portal and others like DGFT, PGAs * Explain the IMDG and HAZCHEM norms for hazardous goods transportation | * Perform documentation for export import as per SOP * Check EXIM documentation for compliance to regulation * Check exporter and importer organizational documentation for compliance to regulation * Use Indian Customs Electronic Commerce and other gateways for documentation process * Employ IMDG and HAZCHEM for hazardous goods transportation * Document queries, correspondences, grievances and regulatory requirements |
| **Classroom Aids** | |
| Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser | |
| **Tools, Equipment and Other Requirements** | |
| IMDG, HAZCHEM guidelines, ICEGATE training portal, EXIM documentation, computers, MIS, ERP, SOP | |

# 

# Annexure

## Trainer Requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Trainer Prerequisites | | | | | | |
| Minimum Educational Qualification | **Specialization** | **Relevant Industry Experience** | | **Training Experience** | | **Remarks** |
| ***Years*** | ***Specialization*** | ***Years*** | ***Specialization*** |  |
| 12th Pass |  | 4 | Ports, CFS, ICD | 1 | Ports, CFS, ICD |  |

|  |  |
| --- | --- |
| Trainer Certification | |
| Domain Certification | **Platform Certification** |
| Certified for Job Role: “ Cargo Surveyor ” mapped to QP: “LSC/Q3801, v2.0”. Minimum accepted score is 80% | Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q2601”. Minimum accepted score is 80% |

## Assessor Requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Assessor Prerequisites | | | | | | |
| Minimum Educational Qualification | **Specialization** | **Relevant Industry Experience** | | **Training/Assessment Experience** | | **Remarks** |
| ***Years*** | ***Specialization*** | ***Years*** | ***Specialization*** |  |
| 12th Pass |  | 2 | Port, CFS, ICD | 1 | Ports, CFS, ICD |  |

|  |  |
| --- | --- |
| Assessor Certification | |
| Domain Certification | **Platform Certification** |
| Certified for Job Role: “Cargo Surveyor” mapped to QP: “LSC/Q3801, v2.0”. Minimum accepted score is 80% | Recommended that the Assessor is certified for the Job Role: “Assessor”, mapped to the Qualification Pack: “MEP/Q2601”. Minimum accepted score is 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.

1. **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.
2. **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.
3. **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:
   1. True / False Statements
   2. Multiple Choice Questions
   3. Matching Type Questions.
   4. Fill in the blanks
   5. Scenario based Questions
   6. 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 |
| Declarative Knowledge | Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem. |
| 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 |
| OJT (R) | On-the-job training (Recommended); trainees are recommended the specified hours of training on site |
| Procedural Knowledge | Procedural knowledge addresses how to do something, or how to perform a task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psychomotor skills. |
| 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 |