







# **Model Curriculum**

**QP Name: Fishing Boat Maintenance Worker** 

QP Code: AGR/Q5102

Version: 3.0

**NSQF Level: 3** 

**Model Curriculum Version: 2.0** 

Agriculture Skill Council of India | Agriculture Skill Council of India (ASCI), 6th Floor, GNG Tower, Plot No. 10, Sector - 44







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## **Training Parameters**

Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Assistance (Fisheries)
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6223.9900
Minimum Educational Qualification and Experience	Minimum Educational Qualification: Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2-year relevant experience OR 5th grade pass with 5-year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1-year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months' relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	16 Years
Last Reviewed On	24/02/2022
Next Review Date	24/02/2025
NSQC Approval Date	24/02/2022
QP Version	3.0
Model Curriculum Creation Date	24/02/2022
Model Curriculum Valid Up to Date	24/02/2025
Model Curriculum Version	2.0
Minimum Duration of the Course	300 Hours







Maximum Duration of the Course 300 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 should have acquired the listed knowledge and skills to:

- Describe the process of assisting in preparing the fishing boat for the capture operations.
- Demonstrate the process of carrying out fishing boat maintenance and onboard assistance activities.
- Describe the process of undertaking employability and entrepreneurial practices.
- Explain various safety and hygiene practices in capture fisheries operations.

#### **Compulsory Modules**

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

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	05:00	0:00	0:00	0:00	05:00
Module 1: Introduction to the role of a Fishing Boat Maintenance Worker	05:00	0:00	0:00	0:00	05:00
AGR/N5104: Assist in preparing the fishing boat for the capture operation NOS Version- 2.0 NSQF Level- 3	20:00	65:00	0:00	0:00	85:00
Module 2: Process of assisting in preparing the fishing boat for the capture operation	20:00	65:00	0:00	0:00	85:00
AGR/N5105: Carry out fishing boat maintenance and onboard assistance activities  NOS Version- 2.0  NSQF Level-3	20:00	70:00	0:00	0:00	90:00
Module 3: Process of carrying out fishing boat maintenance and onboard assistance activities	20:00	70:00	0:00	0:00	90:00
AGR/N5103: Follow the safety and hygiene	15:00	15:00	0:00	0:00	30:00







<b>Total Duration</b>	90:00	150:00	0:00	0:00	240:00
Module 9: Employability Skills	30:00	00:00	0:00	0:00	30:00
DGT/VSQ/N0101 Employability Skills NOS Version-1.0 NSQF Level-2	30:00	00:00	0:00	0:00	30:00
Module 4: Safety and hygiene practices in capturing fisheries	15:00	15:00	0:00	0:00	30:00
practices in capture fisheries operations NOS Version- 2.0 NSQF Level- 4					

OJT: 60 hours







## **Module Details**

## Module 1: Introduction to the role of a Fishing Boat Maintenance Worker Bridge Module

#### **Terminal Outcomes:**

• Discuss the job role of a Fishing Boat Maintenance Worker.

Duration: 05:00	Duration: 0:00				
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes				
<ul> <li>Describe the size and scope of the Agriculture industry and its sub- sectors.</li> </ul>					
<ul> <li>Discuss the role and responsibilities of a Fishing Boat Maintenance Worker.</li> </ul>					
<ul> <li>Identify various employment opportunities for a Fishing Boat Maintenance Worker.</li> </ul>					
Classroom Aids					
Training Kit - Trainer Guide, Presentations, White	board, Marker, Projector, Laptop, Video Films				
Tools, Equipment and Other Requirements					
NA					







### Module 2: Process of assisting in preparing the fishing boat for the capture operation

#### Mapped to AGR/N5104 v2.0

#### **Terminal Outcomes:**

- Demonstrate the process of cleaning the deck and other boat areas.
- Describe the process of assisting the deckhand in preparing the boat.
- Demonstrate the process of checking the safety and fire-fighting equipment.

Duration: 20:00 Duration: 65:00							
Duration: 20:00							
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes						
<ul> <li>Explain the importance of cleaning the deck, fish holds and containers, food storage and cooking areas, wheelhouse, and the equipment in the wheelhouse and on deck.</li> </ul>	<ul> <li>Demonstrate how to scrub and clean the deck.</li> <li>Demonstrate the process of cleaning and drying the fish holds and containers.</li> </ul>						
Describe the process of checking the condition of the day shapes to be used on the boat.	Demonstrate the process of cleaning the wheelhouse and the equipment inside it along with the equipment on						
<ul> <li>Explain how to check the pulleys for smooth movement.</li> </ul>	<ul><li>the deck.</li><li>Demonstrate the process of checking</li></ul>						
<ul> <li>Explain the importance of ensuring the boat and onboard equipment are able to withstand rough conditions in the water body.</li> </ul>	wear and tear or damage of ropes, wire ropes, cordage, blocks, shackles, tackles through co-ordination with the deckhand.						
<ul> <li>Explain the importance of securing items on the deck to protect against any sudden or violent movement in the water body.</li> </ul>	<ul> <li>Demonstrate the process of carrying out routine oiling of wire ropes and chains with the specified grade of oil or grease.</li> </ul>						
<ul> <li>State the recommended grade of oil or grease to be used for oiling wire ropes and shackles.</li> </ul>	Show how to test the booms and davits for correct and safe functioning and carry out repair and maintenance						
<ul> <li>Explain the importance of checking that safety equipment such as life jackets and safety lanyards are in usable condition.</li> </ul>	<ul> <li>as required.</li> <li>Demonstrate the process of testing the fire extinguishers through co- ordination with the deckhand.</li> </ul>						
<ul> <li>Explain the importance of ensuring there are no obstructions in accessing the fire-fighting equipment.</li> </ul>	<ul> <li>Demonstrate how to test the fire hoses to ensure they have no leakages.</li> </ul>						
Classroom Aids							

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

#### **Tools, Equipment and Other Requirements**

Fishing Boat, Ropes, Cordage, Hoisting Gear, Fire Fighting Equipment







# Module 3: Process of carrying out fishing boat maintenance and onboard assistance activities

#### Mapped to ARG/N5105 v2.0

#### **Terminal Outcomes:**

- Demonstrate the process of carrying out the boats and apparatus' maintenance.
- Describe the process of assisting in onboard and other operations.
- Demonstrate various practices for effective resource optimisation.
- Demonstrate various waste management practices
- Discuss ways to promote diversity and inclusion at the workplace.

Duration: 20:00	Duration: 70:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
meory – key Learning Outcomes	Fractical – Rey Learning Outcomes
<ul> <li>Describe the process of assessing the damage on the boat and planning the repair.</li> <li>Explain the use of the relevant hand and power repair and maintenance</li> </ul>	<ul> <li>Demonstrate the process of using a power saw, drills and hand tools to cut out the defective wooden and fibreglass portions.</li> </ul>
tools and equipment.	<ul> <li>Demonstrate the process of setting up and operating saws, planers, and shapers to fabricate the repair parts.</li> </ul>
<ul> <li>Describe the process of removing the damaged portions of the boat and replacing them.</li> </ul>	Demonstrate the process of using a caulking gun, adhesive, or carpenter's hand tools to position and fit repair
<ul> <li>Explain the importance of taking correct dimensions while replacing a defective portion of the boat.</li> </ul>	parts in the boat.  • Show how to cut fibreglass material
Explain the importance of maintaining cleanliness on the deck	to the specified size and patch the defective surfaces.
<ul><li>during the capture operation.</li><li>Explain how to prevent water from</li></ul>	<ul> <li>Show how to smoothen the repaired surfaces, using the power sander.</li> </ul>
entering and accumulating in the boat during the capture operation	<ul> <li>Demonstrate how to wax and buff the repaired area to the specified finish.</li> </ul>
<ul> <li>Explain how to assist the helmsman in steering the boat and keep a watch to avoid collision with other boats.</li> </ul>	<ul> <li>Demonstrate the process of applying paint or other finishing solution on the repaired areas using a hand brush</li> </ul>
<ul> <li>State the necessary precautions to be taken to prevent fish contamination while unloading fish.</li> </ul>	<ul><li>or spray paint.</li><li>Demonstrate the process of installing fittings and equipment using the</li></ul>
<ul> <li>Explain the benefits of resource optimisation.</li> </ul>	<ul><li>relevant hand and power tools.</li><li>Demonstrate the process of carrying</li></ul>
<ul> <li>Explain the importance of recycling and disposing different types of</li> </ul>	out repair and maintenance of the fishing gear.
waste as per the applicable regulations.	<ul> <li>Show how to clean the deck after the catch is unloaded and stored.</li> </ul>
Explain the importance of inclusion of	Demonstrate the process of mooring







all genders and People with Disability (PwD) at the workplace.

the boat at the harbour.

- Demonstrate the process of unloading fish at the harbour.
- Demonstrate various practices to optimise the usage of various resources such as water and electricity.
- Demonstrate the process of recycling and disposing different types of waste appropriately.
- Demonstrate appropriate verbal and non-verbal communication that is respectful of genders and disability.

#### **Classroom Aids**

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

#### **Tools, Equipment and Other Requirements**

Fishing Boat, Ropes, Chipping Hammer, Cleaning and Painting Tools, Anchors Etc.







### Module 4: Safety and hygiene practices in capturing fisheries Mapped to AGR/N5103 v2.0

#### **Terminal Outcomes:**

- Discuss how to adhere to onboard safe working practices.
- Describe various safety guidelines in water bodies.
- Describe various fish capturing and handling guidelines.

Duration: 15:00	Duration: 15:00				
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes				
<ul> <li>State the relevant regulations to be followed in the marine waters such as Coastal Regulation Zone (CRZ) guidelines.</li> </ul>	<ul> <li>Demonstrate how to use fishing machinery and equipment safely following the manufacturer's instructions.</li> </ul>				
<ul> <li>Describe the process of using the relevant equipment to detect ships/ boats in the vicinity and the appropriate measures to be followed to avoid collisions.</li> </ul>	<ul> <li>Demonstrate the process of carrying out regular testing and maintenance of the life-saving and firefighting equipment.</li> <li>Demonstrate the use of life-saving</li> </ul>				
Describe the process of detecting underwater dangers along the fishing route and appropriate measures to	equipment in case of rough weather/ emergencies.				
<ul><li>be taken to mitigate them.</li><li>State the applicable laws related to</li></ul>	<ul> <li>Show how to use the relevant equipment to detect ships/ boats in the vicinity.</li> </ul>				
fishing methods, use of different types of fishing gear, conservation of banned species, disposal of dead/damaged fish, etc.	<ul> <li>Demonstrate the process of detecting underwater dangers along the fishing route.</li> </ul>				
<ul> <li>Describe the process of identifying poisonous creatures caught with the fish.</li> </ul>	<ul> <li>Demonstrate the process of Safely disposing the poisonous organisms caught with the fish.</li> </ul>				
<ul> <li>State the temperature and hygiene requirements for storing the fish to maintain its freshness.</li> </ul>	<ul> <li>Demonstrate the process of handling and cleaning the fish ensuring minimum damage to it.</li> </ul>				
Classroom Aids					

#### **Classroom Aids**

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

#### **Tools, Equipment and Other Requirements**

Safety Equipment (Personal Floatation Devices Such as Life Jackets or Lifeboat; Kill Switch; Fire Extinguisher; Rope; Signalling Devices Such as Handheld Flair, Rocket Parachute (Distress Rocket) Or Smoke Signal; Weather Radio, ILR, HRG Unit; Etc.); Life-Saving Appliances Such As SART And EPIRB; Anchor Supporting Equipment (Plow Style, Danforth Anchors, Mushroom Anchor); Personal Protective Equipment: Polarised Sunglasses, Sunscreen Of Required Sun Protection Factor, Foul Weather Gear.







## Module 5: Employability Skills (30 hours) Mapped to NOS DGT/VSQ/N0101 v1.0

**Duration: 30:00** 

#### **Key Learning Outcomes**

#### **Introduction to Employability Skills Duration: 1 Hour**

After completing this programme, participants will be able to:

1. Discuss the importance of Employability Skills in meeting the job requirements

#### **Constitutional values - Citizenship Duration: 1 Hour**

- 2. Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen.
- 3. Show how to practice different environmentally sustainable practices

#### **Becoming a Professional in the 21st Century Duration: 1 Hours**

- 4. Discuss 21st century skills.
- 5. Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations.

#### **Basic English Skills Duration: 2 Hours**

6. Use appropriate basic English sentences/phrases while speaking

#### **Communication Skills Duration: 4 Hour**

- 7. Demonstrate how to communicate in a well -mannered way with others.
- 8. Demonstrate working with others in a team

#### **Diversity & Inclusion Duration: 1 Hour**

- 9. Show how to conduct oneself appropriately with all genders and PwD
- 10. Discuss the significance of reporting sexual harassment issues in time

#### **Financial and Legal Literacy Duration: 4 Hours**

- 11. Discuss the significance of using financial products and services safely and securely.
- 12. Explain the importance of managing expenses, income, and savings.
- 13. Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws

#### **Essential Digital Skills Duration: 3 Hours**

- 14. Show how to operate digital devices and use the associated applications and features, safely and securely
- 15. Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely

#### **Entrepreneurship Duration: 7 Hours**

16. Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges

#### **Customer Service Duration: 4 Hours**

- 17. Differentiate between types of customers
- 18. Explain the significance of identifying customer needs and addressing them







19. Discuss the significance of maintaining hygiene and dressing appropriately

#### **Getting ready for apprenticeship & Jobs Duration: 2 Hours**

- 20. Create a biodata
- 21. Use various sources to search and apply for jobs
- 22. Discuss the significance of dressing up neatly and maintaining hygiene for an interview
- 23. Discuss how to search and register for apprenticeship opportunities







## **Annexure**

## **Trainer Requirements**

	Trainer Prerequisites						
Minimum Educational	Specialization		Relevant Industry Experience		ing Experience	Remarks	
Qualification		Years	Specialization	Years	Specialization		
10 <sup>th</sup> Class		5	Maintenance and upkeep of the fishing boat	0		Fishing boat driver (Small Mechanized vessels< 20 OAL) with 5 Years' experience with 10th Pass.	
						Experience certificate issued by registered fisheries society on official letter Head.	
Diploma	Fisheries	3	Maintenance and upkeep of the fishing boat	0		Regular Diploma of more than 15 months in fisheries	
Graduate	Agriculture/ Fisheries/ Zoology	2	Maintenance and upkeep of the fishing boat	0		For the school Program minimum qualification of the Trainer should be Graduate(Fisheries Science/Industrial Fish & Fisheries / Zoology). With minimum 2 years teaching experience (will be considered industry experience)	
B.Tech	Fisheries	1	Maintenance and upkeep of the fishing boat	0			
M.Tech	Fisheries	0		0			

Trainer Certification							
Domain Certification	Platform Certification						
Certified for Job Role "Fishing Boat Maintenance Worker", mapped to QP: "AGR/Q5102, v3.0", Minimum accepted score is 80%	Recommended that the Trainer is certified for the Job Role: "Trainer (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2601, v2.0". The minimum accepted score as per MEPSC guidelines is 80%.						







## **Assessor Requirements**

	Assessor Prerequisites						
Minimum Educational	Specialization	Relevant Industry Experience		Training/Assessme nt Experience		Remarks	
Qualification		Years	Specialization	Years	Specialization		
B.F. Sc		4	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	
B. Tech	Fisheries Engineering and related streams	4	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	
B. Sc	Fisheries and related streams	5	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	
M. Tech	Aqua cultural Engineering/ Fisheries engineering and related streams	2	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	
M. F. Sc		2	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	
M. Sc	Fisheries and related streams	2	In Fisheries Science/ Zoology/ Aquaculture/ Applied aquaculture/ Marine Biology or related streams	0		Practical skills and knowledge required in overall maintenance of fishing vessels	







PhD	Fisheries	1	In Fisheries Science/	0	Practical skills and
1110	Science and		Zoology/ Aquaculture/		knowledge required in
	related		Applied aquaculture/		overall maintenance of
	streams		Marine Biology or related		fishing vessels
			streams		

Assessor Certification		
Domain Certification	Platform Certification	
Certified for Job Role "Fishing Boat Maintenance Worker", mapped to QP: "AGR/Q5102, v3.0", Minimum accepted score is 80%	Certified for the Job Role: "Assessor (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2701, v2.0", with a minimum score of 80%.	







#### **Assessment Strategy**

#### **Assessment System Overview**

In Agriculture Sector it is of ultimate importance that individuals dealing with crop production or livestock have the requisite knowledge and competencies to undertake the task. Based on the Assessment Criteria, SSC in association with empaneled AAs, define the test structure for the given job roles to cover the required skills and competencies. Assessment strategy consists of the following:

- 1. <u>Multiple Choice Questions</u>: To assess basic knowledge (Objective/Subjective)
- 2. <u>Viva:</u> To assess awareness on processes (Oral and/or written questioning)
- 3. <u>Practical:</u> To evaluate skills and identify competencies. (Observation)

Assessments for knowledge and awareness on processes may be conducted through 'real-time' internet-based evaluation or by conducting the same 'offline' through TABs. Skills and competencies are to be assessed by conducting 'practical' on the ground through qualified and ToA certified assessors.

An individual must have adequate knowledge and skills to perform a specific task, weightage for different aspects of the assessment is given as follows:

- Multiple Choice Questions: 20%-30%, depending on the specific QP
- Viva: 20%
- Practical: 50% 60% (Involves demonstrations of applications and presentations of procedures/tasks and other components)
- Assessment will be carried out by certified assessors through empanelled assessment partners. Based on the results of the assessment; ASCI will certify the learners/candidates

#### **Testing Environment**

Assessments are conducted on laptops, Mobiles and android tablets via both offline and online mode depending on the internet connectivity at the assessment location.

In remote locations/villages, assessments get delivered through tablets without the requirement of the Internet.

- Multilingual assessments (ASCI is conducting the assessments in 13 + languages pan India)
- Rubric driven assessments in Practical/Viva sections and responses recorded accordingly
- All responses, data, records and feedback stored digitally on the cloud
- Advanced auto-proctoring features photographs, time-stamp, geographic-tagging, toggle- screen/copy-paste disabled, etc.
- Android-based monitoring system
- End to end process from allocation of a batch to final result upload, there is no manual intervention







- Assessment will normally be fixed for a day after the end date of the training / within
   7 days of completion of training.
- Assessment will be conducted at the training venue
- The room where assessment is conducted will be set with proper seating arrangements with enough space to curb copying or other unethical activities
- Question bank of theory and practice will be prepared by ASCI /assessment agency and approved ASCI. Only from approved Question Bank assessment agency will prepare the question paper. Theory testing will include multiple-choice questions, pictorial questions, etc. which will test the trainee on his theoretical knowledge of the subject.
- The theory, practical and viva assessments will be carried out on the same day. In case of a greater number of candidates, the number of assessors and venue facilitation be increased and facilitated

Assessment			
Assessment Type	Formative or Summative	Strategies	Examples
Theory	Summative	MCQ/Written exam	Knowledge of facts related to the job role and functions. Understanding of principles and concepts related to the job role and functions
Practical	Summative	Structured tasks/Demonstration	Practical application /Demonstration /Application tasks
Viva	Summative	Questioning and Probing	Mock interviews on the usability of job roles/advantages /importance of adherence to procedures. Viva will be used to gauge trainee's confidence and correct knowledge in handling the job situation

The question paper pre-loaded in the computer /Tablet and it will be in the language as requested by the training partner.







### **Assessment Quality Assurance framework**

#### Assessment Framework and Design:

Based on the Assessment Criteria, SSC in association with AAs will define the test structure for the given roles to cover the required skills and competencies. ASCI offer a bouquet of tools for multi-dimensional evaluation of candidates covering language, cognitive skills, behavioural traits and domain knowledge.

**Theoretical Knowledge** - Item constructs and types are determined by a theoretical understanding of the testing objectives and published research about the item types and constructs that have shown statistical validity towards measuring the construct. Test item types that have been reported to be coachable are not included. Based on these, items are developed by domain experts. They are provided with comprehensive guidelines of the testing objectives of each question and other quality measures.

**Type** – Questions based on Knowledge Required, Case-based practical scenario questions and automated simulation-based questions.

**Practical Skills** - The practical assessments are developed taking into consideration two aspects: what practical tasks is the candidate expected to perform on the job and what aspects of the job cannot be judged through theoretical assessments. The candidates shall be asked to perform either an entire task or a set of subtasks depending on the nature of the job role

Type – Standardized rubrics for evaluation against a set of tasks in a demo/practical task

**Viva Voce** - Those practical tasks which cannot be performed due to time or resource constraints are evaluated through the viva mode. Practical tasks are backed up with Viva for thorough assessment and complete evaluation

**Type** – Procedural questions, dos and don'ts, subjective questions to check the understanding of practical tasks.

The assessor has to go through an orientation program organized by the Assessment Agency. The training would give an overview to the assessors on the overall framework of QP evaluation. The assessor shall be given a NOS and PC level overview of each QP as applicable. The overall structure of assessment and objectivity of the marking scheme will be explained to them. The giving of marks will be driven by an objective framework that will maintain the standardization of the marking scheme.

#### Type of Evidence and Evidence Gathering Protocol:

During the assessment the evidence collected by AAs and ASCI are:

- GeoTagging to track ongoing assessment
- AA's coordinator emails the list of documents and evidence (photos and videos) to the assessor one day before the assessment. The list is mentioned below:
  - Signed Attendance sheet
  - Assessor feedback sheet
  - Candidate feedback sheet







- Assessment checklist for assessor
- Candidate Aadhar/ID card verification
- Pictures of the classroom, labs to check the availability of adequate equipment's and tools to conduct the training and assessment
- Pictures and videos of Assessment, training feedback and infrastructure.
- Apart from the Assessor, a Technical assistant is popularly known as Proctor also ensures the proper documentation and they verify each other's tasks.
- To validate their work on the day of the assessment, regular calls and video calls are done.
- On-boarding and training of the assessor and proctor are done on a timely basis to ensure that the quality of the assessment should be maintained.
- Training covers the understanding of QP, NSQF level, NOS and assessment structure

#### **Methods of Validation**

- Morning Check (Pre-Assessment): Backend team of AA calls and confirms assessor/technical SPOC event status. Assessor/Technical SPOC are instructed to reach the centre on time by 9:30 AM / as decided with TC and delay should be highlighted to the Training Partner in advance.
- <u>Video Calls</u>: Random video calls are made to the technical SPOC/assessor so as to keep a check on assessment quality and ensure assessment is carried out in a fair and transparent manner
- Aadhar verification of candidates
- <u>Evening Check (Post Assessment)</u>: Calls are made to the ground team to ensure the event is over by what time and the documentation is done properly or not.
- <u>TP Calling</u>: To keep a check on malpractices, an independent audit team calls the TP on a
  recorded line to take confirmation if there was any malpractice activity observed in the
  assessment on part of the AA/SSC team. If calls are not connected, an email is sent to TP
  SPOC for taking their confirmation
- <u>Video and Picture Evidence:</u> Backend team collects video and pictures for assessment on a real-time basis and highlights any issue such as students sitting idle/ trainer helping the candidates during the assessment.
- <u>Surprise Visit:</u> Time to time SSC/AA Audit team can visit the assessment location and conduct a surprise audit for the assessment carried out by the ground team.
- <u>Geo Tagging</u>: On the day of the assessment, each technical SPOC is required to login into our internal app which is Geotagged. Any deviation with the centre address needs to be highlighted to the assessment team on a real-time basis.

#### Method for assessment documentation, archiving, and Access:

- ASCI have a fully automated result generation process in association with multiple AAs
- Theory, Practical and Viva marks form the basis of the results and encrypted files generated to avoid data manipulation. All responses were captured and stored in the System with Time-Stamps at the end of AAs and SSC. NOS-wise and PC-wise scores can







be generated.

- Maker Checker concept: One person prepares the results and another audit result which
  is internally approved by AA at first and then gets vetted at the end of SSC
- All softcopies of documents are received from the on-ground tech team over email. The
  same is downloaded by our internal backend team and saved in Repository. The
  repository consists of scheme-wise folders. These scheme-wise folders have two job rolespecific folders. These specific folders have Year wise and Month wise folders where all
  documents are saved in Batch specific folders. All Hard copies are filed and stored in the
  storeroom.

#### Result Review & Recheck Mechanism -

- Time-stamped assessment logs
- Answer/Endorsement sheets for each candidate
- Attendance Sheet
- Feedback Forms: Assessor feedback form, Candidate feedback form, TP feedback form
- The results for each of the candidates shall be stored and available for review (retained for 5 years/ till the conclusion of the project or scheme)







## **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	The 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	The 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	The 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
AGR	Agriculture
CRS	Coastal Regulation Zone
NOS	National Occupational Standard (s)
NSQF	National Skills Qualifications Framework
OJT	On-the-job Training
PwD	People with Disability
PPE	Personal Protective Equipment
QP	Qualifications Pack