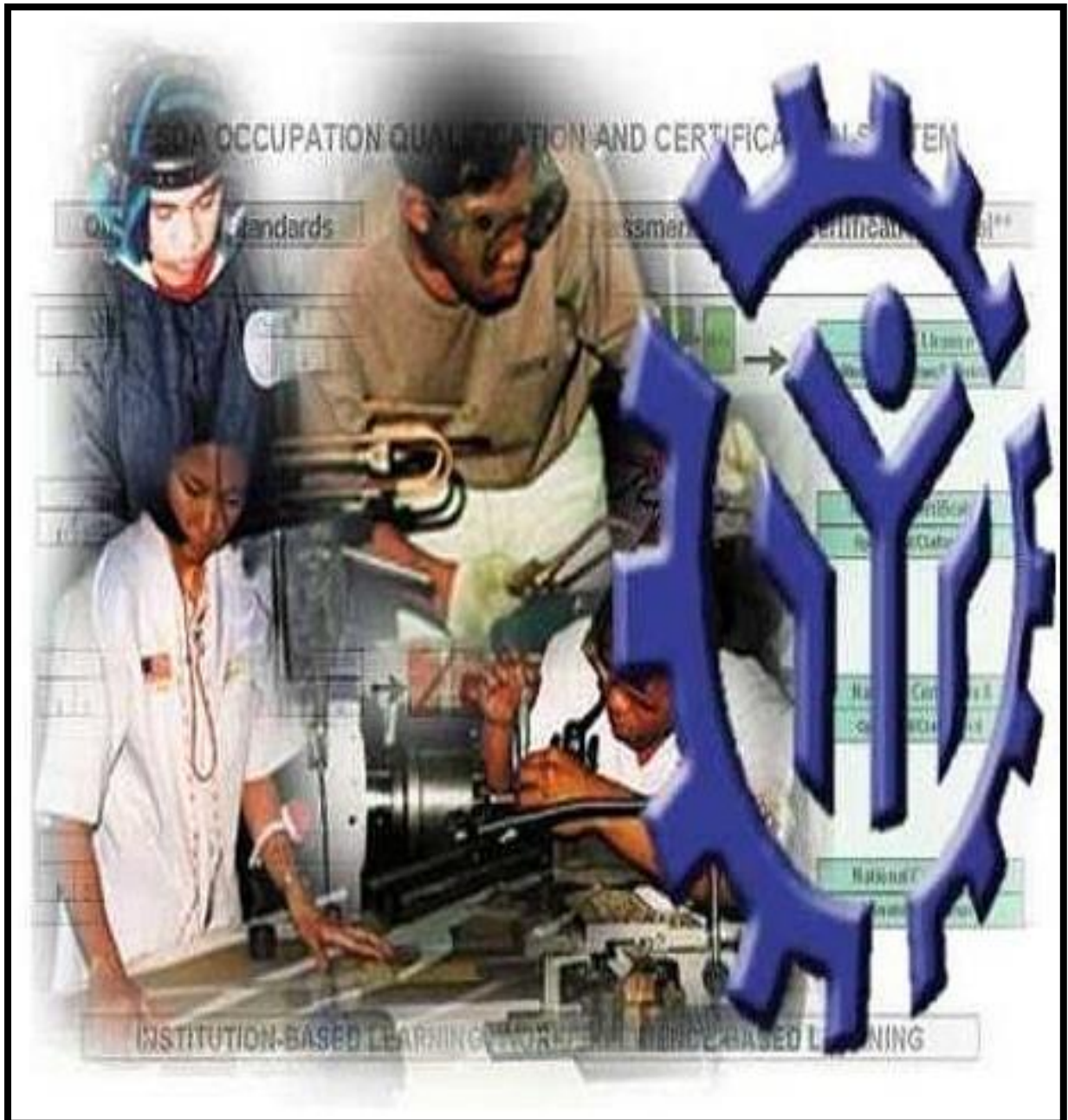


COMPETENCY STANDARDS

NET CONSTRUCTION AND MAINTENANCE

LEVEL II



AGRICULTURE, FORESTRY AND FISHERY SECTOR

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY
East Service Road, South Luzon Expressway (SLEX), Taguig City, Metro Manila

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COMPETENCY STANDARDS FOR NET CONSTRUCTION AND MAINTENANCE LEVEL II

SECTION 1 NET CONSTRUCTION AND MAINTENANCE LEVEL II COMPETENCY STANDARDS

The Net Construction and Maintenance Level II Competency Standards consists of competencies that a person must achieve to conduct pre-netting activities, construct fishnet, maintain fishnet and market products.

It also includes competencies of a person must have to be able to practice occupational safety procedures, 7S of Good Housekeeping and observing environmental rules and regulations in waste management in all net construction and maintenance activities.

The qualification is packaged from the competency map of the Agriculture, Forestry and Fishery Sector.

The units of competency comprising this qualification include the following:

Code	BASIC COMPETENCIES
400311210	Participate in workplace communication
400311211	Work in team environment
400311212	Solve/address general workplace problems
400311213	Develop career and life decisions
400311214	Contribute to workplace innovation
400311215	Present relevant information
400311216	Practice occupational safety and health policies and procedures
400311217	Exercise efficient and effective sustainable practices in the workplace
400311218	Practice entrepreneurial skills in the workplace
Code	COMMON COMPETENCIES
CON311201	Observe procedures, specifications and manuals of instruction
CON311203	Perform mensuration and calculations
CON311204	Maintain tools and equipment
CRVXXXXX	Manage own performance
CRVXXXXX	Maintain a safe, clean and efficient work environment
Code	CORE COMPETENCIES
AFFXXXXX	Conduct pre-netting activities
AFFXXXXX	Construct fishnet
AFFXXXXX	Maintain fishnet
AFFXXXXX	Market products
Code	ELECTIVE COMPETENCY
AFFXXXXX	Fabricate tools

A person who has achieved this Competency Standards is competent to be:

- Fishnet Maker
- Fishnet Repairman

SECTION 2 COMPETENCY STANDARDS

This section gives the details of the contents of the basic, common and core units of competency required in **NET CONSTRUCTION AND MAINTENANCE LEVEL II**.

BASIC COMPETENCIES

UNIT OF COMPETENCY : PARTICIPATE IN WORKPLACE COMMUNICATION

UNIT CODE : 400311210

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to gather, interpret and convey information in response to workplace requirements.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Obtain and convey workplace information	1.1 Specific and relevant information is accessed from appropriate sources 1.2 Effective questioning, active listening and speaking skills are used to gather and convey information 1.3 Appropriate medium is used to transfer information and ideas 1.4 Appropriate non-verbal communication is used 1.5 Appropriate lines of communication with supervisors and colleagues are	1.1 Effective verbal and nonverbal communication 1.2 Different modes of communication 1.3 Medium of communication in the workplace 1.4 Organizational policies 1.5 Communication procedures and systems 1.6 Lines of Communication 1.7 Technology relevant to the enterprise and the individual's work responsibilities 1.8 Workplace etiquette	1.1 Following simple spoken language 1.2 Performing routine workplace duties following simple written notices 1.3 Participating in workplace meetings and discussions 1.4 Preparing work-related documents 1.5 Estimating, calculating and recording routine workplace measures 1.6 Relating/ Interacting with people of various levels in the workplace 1.7 Gathering and providing basic information in response to workplace requirements 1.8 Basic business writing skills

	<p>identified and followed</p> <p>1.6 Defined workplace procedures for the location and storage of information are used</p> <p>1.7 Personal interaction is carried out clearly and concisely</p>		<p>1.9 Interpersonal skills in the workplace</p> <p>1.10 Active-listening skills</p>
2. Perform duties following workplace instructions	<p>2.1 Written notices and instructions are read and interpreted in accordance with organizational guidelines</p> <p>2.2 Routine written instruction are followed based on established procedures</p> <p>2.3 Feedback is given to workplace supervisor based instructions/ information received</p> <p>2.4 Workplace interactions are conducted in a courteous manner</p> <p>2.5 Where necessary, clarifications about routine workplace procedures and matters concerning conditions of employment are sought and asked from appropriate sources</p> <p>2.6 Meetings outcomes are interpreted and implemented</p>	<p>2.1 Effective verbal and non-verbal communication</p> <p>2.2 Different modes of communication</p> <p>2.3 Medium of communication in the workplace</p> <p>2.4 Organizational/ Workplace policies</p> <p>2.5 Communication procedures and systems</p> <p>2.6 Lines of communication</p> <p>2.7 Technology relevant to the enterprise and the individual's work responsibilities</p> <p>2.8 Effective questioning techniques (clarifying and probing)</p> <p>2.9 Workplace etiquette</p>	<p>2.1 Following simple spoken instructions</p> <p>2.2 Performing routine workplace duties following simple written notices</p> <p>2.3 Participating in workplace meetings and discussions</p> <p>2.4 Completing work- related documents</p> <p>2.5 Estimating, calculating and recording routine workplace measures</p> <p>2.6 Relating/ Responding to people of various levels in the workplace</p> <p>2.7 Gathering and providing information in response to workplace requirements</p> <p>2.8 Basic questioning/querying</p> <p>2.9 Skills in reading for information</p> <p>2.10 Skills in locating</p>
3. Complete relevant work related documents	<p>3.1 Range of forms relating to conditions of employment are completed accurately and legibly</p>	<p>3.1 Effective verbal and non-verbal communication</p> <p>3.2 Different modes of communication</p> <p>3.3 Workplace forms and documents</p>	<p>3.1 Completing work- related documents</p> <p>3.2 Applying operations of addition, subtraction, division and multiplication</p> <p>3.3 Gathering and providing information in response</p>

	<p>3.2 Workplace data is recorded on standard workplace forms and documents</p> <p>3.3 Errors in recording information on forms/ documents are identified and acted upon</p> <p>3.4 Reporting requirements to supervisor are completed according to organizational guidelines</p>	<p>3.4 Organizational/ Workplace policies</p> <p>3.5 Communication procedures and systems</p> <p>3.6 Technology relevant to the enterprise and the individual's work responsibilities</p>	<p>to workplace requirements</p> <p>3.4 Effective record keeping skills</p>
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RANGE OF VARIABLES

VARIABLES	RANGE
1. Appropriate sources	May include: <ul style="list-style-type: none"> 1.1. Team members 1.2. Supervisor/Department Head 1.3. Suppliers 1.4. Trade personnel 1.5. Local government 1.6. Industry bodies
2. Medium	May include: <ul style="list-style-type: none"> 2.1. Memorandum 2.2. Circular 2.3. Notice 2.4. Information dissemination 2.5. Follow-up or verbal instructions 2.6. Face-to-face communication 2.7. Electronic media (disk files, cyberspace)
3. Storage	May include: <ul style="list-style-type: none"> 3.1. Manual filing system 3.2. Computer-based filing system
4. Workplace interactions	May include: <ul style="list-style-type: none"> 4.1. Face-to-face 4.2. Telephone 4.3. Electronic and two-way radio 4.4. Written including electronic means, memos, instruction and forms 4.5. Non-verbal including gestures, signals, signs and diagrams
5. Forms	May include: <ul style="list-style-type: none"> 5.1. HR/Personnel forms, telephone message forms, safety reports

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Prepared written communication following standard format of the organization 1.2. Accessed information using workplace communication equipment/systems 1.3. Made use of relevant terms as an aid to transfer information effectively 1.4. Conveyed information effectively adopting formal or informal communication
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1. Fax machine 2.2. Telephone 2.3. Notebook 2.4. Writing materials 2.5. Computer with Internet connection
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1. Demonstration with oral questioning 3.2. Interview 3.3. Written test 3.4. Third-party report
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1. Competency may be assessed individually in the actual workplace or through an accredited institution

UNIT OF COMPETENCY : WORK IN A TEAM ENVIRONMENT

UNIT CODE : 400311211

UNIT DESCRIPTOR : This unit covers the skills, knowledge and attitudes to identify roles and responsibilities as a member of a team.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Describe team role and scope	1.1 The role and objective of the team is identified from available sources of information 1.2 Team parameters, reporting relationships and responsibilities are identified from team discussions and appropriate external sources	1.1 Group structure 1.2 Group development 1.3 Sources of information	1.1 Communicating with others, appropriately consistent with the culture of the workplace 1.2 Developing ways in improving work structure and performing respective roles in the group or organization
2. Identify one's role and responsibility within a team	2.1 Individual roles and responsibilities within the team environment are identified 2.2 Roles and objectives of the team is identified from available sources of information 2.3 Team parameters, reporting relationships and responsibilities are identified based on team discussions and appropriate external sources	2.1 Team roles and objectives 2.2 Team structure and parameters 2.3 Team development 2.4 Sources of information	2.1 Communicating with others, appropriately consistent with the culture of the workplace 2.2 Developing ways in improving work structure and performing respective roles in the group or organization

<p>3. Work as a team member</p>	<p>3.1 Effective and appropriate forms of communications are used and interactions undertaken with team members based on company practices.</p> <p>3.2 Effective and appropriate contributions made to complement team activities and objectives, based on workplace context</p> <p>3.3 Protocols in reporting are observed based on standard company practices.</p> <p>3.4 Contribute to the development of team work plans based on an understanding of team's role and objectives</p>	<p>3.1 Communication Process</p> <p>3.2 Workplace communication protocol</p> <p>3.3 Team planning and decision making</p> <p>3.4 Team thinking</p> <p>3.5 Team roles</p> <p>3.6 Process of team development</p> <p>3.7 Workplace context</p>	<p>3.1 Communicating appropriately, consistent with the culture of the workplace</p> <p>3.2 Interacting effectively with others</p> <p>3.3 Deciding as an individual and as a group using group think strategies and techniques</p> <p>3.4 Contributing to Resolution of issues and concerns</p>
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RANGE OF VARIABLES

VARIABLE	RANGE
1. Role and objective of team	May include but not limited to: <ul style="list-style-type: none"> 1.1. Work activities in a team environment with enterprise or specific sector 1.2. Limited discretion, initiative and judgement maybe demonstrated on the job, either individually or in a team environment
2. Sources of information	May include but not limited to: <ul style="list-style-type: none"> 2.1. Standard operating and/or other workplace procedures 2.2. Job procedures 2.3. Machine/equipment manufacturer's specifications and instructions 2.4. Organizational or external personnel 2.5. Client/supplier instructions 2.6. Quality standards 2.7. OHS and environmental standards
3. Workplace context	May include but not limited to: <ul style="list-style-type: none"> 3.1. Work procedures and practices 3.2. Conditions of work environments 3.3. Legislation and industrial agreements 3.4. Standard work practice including the storage, safe handling and disposal of chemicals 3.5. Safety, environmental, housekeeping and quality guidelines

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Worked in a team to complete workplace activity 1.2 Worked effectively with others 1.3 Conveyed information in written or oral form 1.4 Selected and used appropriate workplace language 1.5 Followed designated work plan for the job
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Access to relevant workplace or appropriately simulated environment where assessment can take place 2.2 Materials relevant to the proposed activity or tasks
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Role play involving the participation of individual member to the attainment of organizational goal 3.2 Case studies and scenarios as a basis for discussion of issues and strategies in teamwork 3.3 Socio-drama and socio-metric methods 3.4 Sensitivity techniques 3.5 Written Test
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1 Competency may be assessed in workplace or in a simulated workplace setting 4.2 Assessment shall be observed while task are being undertaken whether individually or in group

UNIT OF COMPETENCY : SOLVE/ADDRESS GENERAL WORKPLACE

UNIT CODE : 400311212

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to apply problem-solving techniques to determine the origin of problems and plan for their resolution. It also includes addressing procedural problems through documentation, and referral.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Identify routine problems	1.1 Routine problems or procedural problem areas are identified 1.2 Problems to be investigated are defined and determined 1.3 Current conditions of the problem are identified and documented	1.1 Current industry hardware and software products and services 1.2 Industry maintenance, service and helpdesk practices, processes and procedures 1.3 Industry standard diagnostic tools 1.4 Malfunctions and resolutions	1.1 Identifying current industry hardware and software products and services 1.2 Identifying current industry maintenance, services and helpdesk practices, processes and procedures. 1.3 Identifying current industry standard diagnostic tools 1.4 Describing common malfunctions and resolutions. 1.5 Determining the root cause of a routine malfunction

<p>2. Look for solutions to routine problems</p>	<p>2.1 Potential solutions to problem are identified</p> <p>2.2 Recommendations about possible solutions are developed, documented, ranked and presented to appropriate person for decision</p>	<p>2.1 Current industry hardware and software products and services</p> <p>2.2 Industry service and helpdesk practices, processes and procedures</p> <p>2.3 Operating systems</p> <p>2.4 Industry standard diagnostic tools</p> <p>2.5 Malfunctions and resolutions.</p> <p>2.6 Root cause analysis</p>	<p>2.1 Identifying current industry hardware and software products and services</p> <p>2.2 Identifying services and helpdesk practices, processes and procedures.</p> <p>2.3 Identifying operating system</p> <p>2.4 Identifying current industry standard diagnostic tools</p> <p>2.5 Describing common malfunctions and resolutions.</p> <p>2.6 Determining the root cause of a routine malfunction</p>
<p>3. Recommend solutions to problems</p>	<p>3.1 Implementation of solutions are planned</p> <p>3.2 Evaluation of implemented solutions are planned</p> <p>3.3 Recommended solutions are documented and submit to appropriate person for confirmation</p>	<p>3.1 Standard procedures</p> <p>3.2 Documentation produce</p>	<p>3.1 Producing documentation that recommends solutions to problems</p> <p>3.2 Following established procedures</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Problems/Procedural Problem	May include but not limited to: <ul style="list-style-type: none"> 1.1 Routine/non – routine processes and quality problems 1.2 Equipment selection, availability and failure 1.3 Teamwork and work allocation problem 1.4 Safety and emergency situations and incidents 1.5 Work-related problems outside of own work area
2. Appropriate person	May include but not limited to: <ul style="list-style-type: none"> 2.1 Supervisor or manager 2.2 Peers/work colleagues 2.3 Other members of the organization
3. Document	May include but not limited to: <ul style="list-style-type: none"> 3.1 Electronic mail 3.2 Briefing notes 3.3 Written report 3.4 Evaluation report
4. Plan	May include but not limited to: <ul style="list-style-type: none"> 4.1 Priority requirements 4.2 Co-ordination and feedback requirements 4.3 Safety requirements 4.4 Risk assessment 4.5 Environmental requirements

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Determined the root cause of a routine problem 1.2 Identified solutions to procedural problems. 1.3 Produced documentation that recommends solutions to problems. 1.4 Followed established procedures. 1.5 Referred unresolved problems to support persons.
<p>2. Resource Implications</p>	<p>2.1. Assessment will require access to a workplace over an extended period, or a suitable method of gathering evidence of operating ability over a range of situations.</p>
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Case Formulation 3.2 Life Narrative Inquiry 3.3 Standardized test <p>The unit will be assessed in a holistic manner as is practical and may be integrated with the assessment of other relevant units of competency. Assessment will occur over a range of situations, which will include disruptions to normal, smooth operation. Simulation may be required to allow for timely assessment of parts of this unit of competency. Simulation should be based on the actual workplace and will include walk through of the relevant competency components.</p>
<p>4. Context for Assessment</p>	<p>4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions.</p>

UNIT OF COMPETENCY : DEVELOP CAREER AND LIFE DECISIONS

UNIT CODE : 400311213

UNIT DESCRIPTOR : This unit covers the knowledge, skills, and attitudes in managing one’s emotions, developing reflective practice, and boosting self-confidence and developing self-regulation.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Manage one’s emotion	1.1 Self-management strategies are identified 1.2 Skills to work independently and to show initiative, to be conscientious, and persevering in the face of setbacks and frustrations are developed 1.3 Techniques for effectively handling negative emotions and unpleasant situation in the workplace are examined	1.1 Self-management strategies that assist in regulating behavior and achieving personal and learning goals (e.g. Nine self-management strategies according to Robert Kelley) 1.2 Enablers and barriers in achieving personal and career goals 1.3 Techniques in handling negative emotions and unpleasant situation in the workplace such as frustration, anger, worry, anxiety, etc.	1.1 Managing properly one’s emotions and recognizing situations that cannot be changed and accept them and remain professional 1.2 Developing self-discipline, working independently and showing initiative to achieve personal and career goals 1.3 Showing confidence, and resilience in the face of setbacks and frustrations and other negative emotions and unpleasant situations in the workplace

<p>2. Develop reflective practice</p>	<p>2.1 Personal strengths and achievements, based on self-assessment strategies and teacher feedback are contemplated</p> <p>2.2 Progress when seeking and responding to feedback from teachers to assist them in consolidating strengths, addressing weaknesses and fulfilling their potential are monitored</p> <p>2.3 Outcomes of personal and academic challenges by reflecting on previous problem solving and decision making strategies and feedback from peers and teachers are predicted</p>	<p>2.1 Basic SWOT analysis</p> <p>2.2 Strategies to improve one's attitude in the workplace</p> <p>2.3 Gibbs' Reflective Cycle/Model (Description, Feelings, Evaluation, Analysis, Conclusion, and Action plan)</p>	<p>2.1 Using the basic SWOT analysis as self-assessment strategy</p> <p>2.2 Developing reflective practice through realization of limitations, likes/dislikes; through showing of self-confidence</p> <p>2.3 Demonstrating self-acceptance and being able to accept challenges</p>
<p>3. Boost self-confidence and develop self-regulation</p>	<p>3.1 Efforts for continuous self-improvement are demonstrated</p> <p>3.2 Counter-productive tendencies at work are eliminated</p> <p>3.3 Positive outlook in life are maintained.</p>	<p>3.1 Four components of self-regulation based on Self-Regulation Theory (SRT)</p> <p>3.2 Personality development concepts</p> <p>3.3 Self-help concepts (e. g., 7 Habits by Stephen Covey, transactional analysis, psycho-spiritual concepts)</p>	<p>3.1 Performing effective communication skills – reading, writing, conversing skills</p> <p>3.2 Showing affective skills – flexibility, adaptability, etc.</p> <p>3.3 Self-assessment for determining one's strengths and weaknesses</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. Self-management strategies	<p>May include but not limited to:</p> <p>1.1 Seeking assistance in the form of job coaching or mentoring</p> <p>1.2 Continuing dialogue to tackle workplace grievances</p> <p>1.3 Collective negotiation/bargaining for better working conditions</p> <p>1.4 Share your goals to improve with a trusted co-worker or supervisor</p> <p>1.5 Make a negativity log of every instance when you catch yourself complaining to others</p> <p>1.6 Make lists and schedules for necessary activities</p>
2. Unpleasant situation	<p>May include but not limited to:</p> <p>2.1 Job burn-out</p> <p>2.2 Drug dependence</p> <p>2.3 Sulking</p>

EVIDENCE GUIDE

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Express emotions appropriately</p> <p>1.2 Work independently and show initiative</p> <p>1.3 Consistently demonstrate self-confidence and self-discipline</p>
2. Resource Implications	<p>The following resources should be provided:</p> <p>2.1. Access to workplace and resource s</p> <p>2.2. Case studies</p>
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <p>3.1. Demonstration or simulation with oral questioning</p> <p>3.2. Case problems involving work improvement and sustainability issues</p> <p>3.3. Third-party report</p>
4. Context for Assessment	<p>4.1. Competency assessment may occur in workplace or any appropriately simulated environment</p>

UNIT OF COMPETENCY : CONTRIBUTE TO WORKPLACE INNOVATION

UNIT CODE : 400311214

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to make a pro-active and positive contribution to workplace innovation.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Identify opportunities to do things better.	1.1 Opportunities for improvement are identified proactively in own area of work. 1.2 Information are gathered and reviewed which may be relevant to ideas and which might assist in gaining support for idea.	1.1 Roles of individuals in suggesting and making improvements. 1.2 Positive impacts and challenges in innovation. 1.3 Types of changes and responsibility. 1.4 Seven habits of highly effective people.	1.1 Identifying opportunities to improve and to do things better. Involvement. 1.2 Identifying the positive impacts and the challenges of change and innovation. 1.3 Identifying examples of the types of changes that are within and outside own scope of responsibility
2. Discuss and develop ideas with others	2.1 People who could provide input to ideas for improvements are identified. 2.2 Ways of approaching people to begin sharing ideas are selected. 2.3 Meeting is set with relevant people. 2.4 Ideas for follow up are review and selected based on feedback. 2.5 Critical inquiry method is used to discuss and develop ideas with others.	2.1 Roles of individuals in suggesting and making improvements. 2.2 Positive impacts and challenges in innovation. 2.3 Types of changes and responsibility. 2.4 Seven habits of highly effective people.	2.1 Identifying opportunities to improve and to do things better. Involvement. 2.2 Identifying the positive impacts and the challenges of change and innovation. 2.3 Providing examples of the types of changes that are within and outside own scope of responsibility 2.4 Communicating ideas for change through small group discussions and meetings.
3. Integrate ideas for change in	3.1 Critical inquiry method is used to integrate different	3.1 Roles of individuals in suggesting and	3.1 Identifying opportunities to improve and to do

<p>the workplace.</p>	<p>ideas for change of key people.</p> <p>3.2 Summarizing, analyzing and generalizing skills are used to extract salient points in the pool of ideas.</p> <p>3.3 Reporting skills are likewise used to communicate results.</p> <p>3.4 Current Issues and concerns on the systems, processes and procedures, as well as the need for simple innovative practices are identified.</p>	<p>making improvements.</p> <p>3.2 Positive impacts and challenges in innovation.</p> <p>3.3 Types of changes and responsibility.</p> <p>3.4 Seven habits of highly effective people.</p> <p>3.5 Basic research skills.</p>	<p>things better. Involvement.</p> <p>3.2 Identifying the positive impacts and the challenges of change and innovation.</p> <p>3.3 Providing examples of the types of changes that are within and outside own scope of responsibility.</p> <p>3.4 Communicating ideas for change through small group discussions and meetings.</p> <p>3.5 Demonstrating skills in analysis and interpretation of data.</p>
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RANGE OF VARIABLES

VARIABLES	RANGE
1. Opportunities for improvement	May include: <ul style="list-style-type: none"> 1.1 Systems. 1.2 Processes. 1.3 Procedures. 1.4 Protocols. 1.5 Codes. 1.6 Practices.
2. Information	May include: <ul style="list-style-type: none"> 2.1 Workplace communication problems. 2.2 Performance evaluation results. 2.3 Team dynamics issues and concerns. 2.4 Challenges on return of investment 2.5 New tools, processes and procedures. 2.6 New people in the organization.
3. People who could provide input	May include: <ul style="list-style-type: none"> 3.1 Leaders. 3.2 Managers. 3.3 Specialists. 3.4 Associates. 3.5 Researchers. 3.6 Supervisors. 3.7 Staff. 3.8 Consultants (external) 3.9 People outside the organization in the same field or similar expertise/industry. 3.10 Clients
4. Critical inquiry method	May include: <ul style="list-style-type: none"> 4.1 Preparation. 4.2 Discussion. 4.3 Clarification of goals. 4.4 Negotiate towards a Win-Win outcome. 4.5 Agreement. 4.6 Implementation of a course of action. 4.7 Effective verbal communication. See our pages: Verbal Communication and Effective Speaking. 4.8 Listening. 4.9 Reducing misunderstandings is a key part of effective negotiation. 4.10 Rapport Building. 4.11 Problem Solving. 4.12 Decision Making. 4.13 Assertiveness. 4.14 Dealing with Difficult Situations.

5. Reporting skills	<p>May include:</p> <ul style="list-style-type: none"> 5.1 Data management. 5.2 Coding. 5.3 Data analysis and interpretation. 5.4 Coherent writing. 5.5 Speaking.
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EVIDENCE GUIDE

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Identified opportunities to do things better. 1.2 Discussed and developed ideas with others on how to contribute to workplace innovation. 1.3 Integrated ideas for change in the workplace. 1.4 Analyzed and reported rooms for innovation and learning in the workplace.
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Pens, papers and writing implements. 2.2 Cartolina. 2.3 Manila papers.
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Psychological and behavioral Interviews. 3.2 Performance Evaluation. 3.3 Life Narrative Inquiry. 3.4 Review of portfolios of evidence and third-party workplace reports of on-the-job performance. 3.5 Sensitivity analysis. 3.6 Organizational analysis. 3.7 Standardized assessment of character strengths and virtues applied.
4. Context for Assessment	<ul style="list-style-type: none"> 4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions.

UNIT OF COMPETENCY : PRESENT RELEVANT INFORMATION**UNIT CODE : 400311215****UNIT DESCRIPTOR** : This unit of covers the knowledge, skills and attitudes required to present data/information appropriately.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Gather data/information	1.1 Evidence, facts and information are collected 1.2 Evaluation, terms of reference and conditions are reviewed to determine whether data/information falls within project scope	1.1 Organisational protocols 1.2 Confidentiality 1.3 Accuracy 1.4 Business mathematics and statistics 1.5 Data analysis techniques/procedures 1.6 Reporting requirements to a range of audiences 1.7 Legislation, policy and procedures relating to the conduct of evaluations 1.8 Organisational values, ethics and codes of conduct	1.1 Describing organisational protocols relating to client liaison 1.2 Protecting confidentiality 1.3 Describing accuracy 1.4 Computing business mathematics and statistics 1.5 Describing data analysis techniques/procedures 1.6 Reporting requirements to a range of audiences 1.7 Stating legislation, policy and procedures relating to the conduct of evaluations 1.8 Stating organisational values, ethics and codes of conduct

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
2. Assess gathered data/ information	2.1 Validity of data/ information is assessed 2.2 Analysis techniques are applied to assess data/ information. 2.3 Trends and anomalies are identified 2.4 Data analysis techniques and procedures are documented 2.5 Recommendations are made on areas of possible improvement.	2.1 Business mathematics and statistics 2.2 Data analysis techniques/ procedures 2.3 Reporting requirements to a range of audiences 2.4 Legislation, policy and procedures relating to the conduct of evaluations 2.5 Organisational values, ethics and codes of conduct	2.1 Computing business mathematics and statistics 2.2 Describing data analysis techniques/ procedures 2.3 Reporting requirements to a range of audiences 2.4 Stating legislation, policy and procedures relating to the conduct of evaluations 2.5 Stating organisational values, ethics and codes of conduct
3. Record and present information	3.1 Studied data/information are recorded. 3.2 Recommendations are analysed for action to ensure they are compatible with the project's scope and terms of reference. 3.3 Interim and final reports are analysed and outcomes are compared to the criteria established at the outset. 3.4 Findings are presented to stakeholders.	3.1 Data analysis techniques/ procedures 3.2 Reporting requirements to a range of audiences 3.3 Legislation, policy and procedures relating to the conduct of evaluations 3.4 Organisational values, ethics and codes of conduct	3.1 Describing data analysis techniques/ procedures 3.2 Reporting requirements to a range of audiences 3.3 Stating legislation, policy and procedures relating to the conduct of evaluations 3.4 Stating organisational values, ethics and codes of conduct practices

RANGE OF VARIABLES

VARIABLES	RANGE
1. Data analysis techniques	<p>May include but not limited to:</p> <ul style="list-style-type: none"> 1.1. Domain analysis 1.2. Content analysis 1.3. Comparison technique

EVIDENCE GUIDE

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Determine data / information 1.2 Studied and applied gathered data/information 1.3 Recorded and studied studied data/information <p>These aspects may be best assessed using a range of scenarios what ifs as a stimulus with a walk through forming part of the response. These assessment activities should include a range of problems, including new, unusual and improbable situations that may have happened.</p>
2. Resource Implications	<p>Specific resources for assessment</p> <ul style="list-style-type: none"> 2.1. Evidence of competent performance should be obtained by observing an individual in an information management role within the workplace or operational or simulated environment.
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1. Written Test 3.2. Interview 3.3. Portfolio <p>The unit will be assessed in a holistic manner as is practical and may be integrated with the assessment of other relevant units of competency. Assessment will occur over a range of situations, which will include disruptions to normal, smooth operation. Simulation may be required to allow for timely assessment of parts of this unit of competency. Simulation should be based on the actual workplace and will include walk through of the relevant competency components.</p>
4. Context for Assessment	<ul style="list-style-type: none"> 4.1. In all workplace, it may be appropriate to assess this unit concurrently with relevant teamwork or operation units.

UNIT OF COMPETENCY : PRACTICE OCCUPATIONAL SAFETY AND HEALTH POLICIES AND PROCEDURES

UNIT CODE : 400311216

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes required to identify OSH compliance requirements, prepare OSH requirements for compliance, perform tasks in accordance with relevant OSH policies and procedures.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Identify OSH compliance requirements	1.1 Relevant OSH requirements, regulations, policies and procedures are identified in accordance with workplace policies and procedures 1.2 OSH activity non-conformities are conveyed to appropriate personnel 1.3 OSH preventive and control requirements are identified in accordance with OSH work policies and procedures	1.1. OSH preventive and control requirements 1.2. Hierarchy of Controls 1.3. Hazard Prevention and Control 1.4. General OSH principles 1.5. Work standards and procedures 1.6. Safe handling procedures of tools, equipment and materials 1.7. Standard emergency plan and procedures in the workplace	1.1. Communication skills 1.2. Interpersonal skills 1.3. Critical thinking skills 1.4. Observation skills
2. Prepare OSH requirements for compliance	2.1 OSH work activity material, tools and equipment requirements are identified in accordance with workplace policies and procedures 2.2. Required OSH materials, tools	2.1. Resources necessary to execute hierarchy of controls 2.2. General OSH principles 2.3. Work standards and procedures 2.4. Safe handling procedures of	2.1. Communication skills 2.2. Estimation skills 2.3. Interpersonal skills 2.4. Critical thinking skills 2.5. Observation skills

	<p>and equipment are acquired in accordance with workplace policies and procedures</p> <p>2.3. Required OSH materials, tools and equipment are arranged/ placed in accordance with OSH work standards</p>	<p>tools, equipment and materials</p> <p>2.5. Different OSH control measures</p>	<p>2.6. Material, tool and equipment identification skills</p>
<p>3. Perform tasks in accordance with relevant OSH policies and procedures</p>	<p>3.1 Relevant OSH work procedures are identified in accordance with workplace policies and procedures</p> <p>3.2 Work Activities are executed in accordance with OSH work standards</p> <p>3.3 Non-compliance work activities are reported to <i>appropriate personnel</i></p>	<p>3.1. OSH work standards</p> <p>3.2. Industry related work activities</p> <p>3.3. General OSH principles</p> <p>3.4. OSH Violations Non-compliance work activities</p>	<p>3.1 Communication skills</p> <p>3.3 Interpersonal skills</p> <p>3.4 Troubleshooting skills</p> <p>3.5 Critical thinking skills</p> <p>3.6 Observation skills</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1. OSH Requirements, Regulations, Policies and Procedures	May include: <ul style="list-style-type: none"> 1.1 Clean Air Act 1.2 Building code 1.3 National Electrical and Fire Safety Codes 1.4 Waste management statutes and rules 1.5 Permit to Operate 1.6 Philippine Occupational Safety and Health Standards 1.7 Department Order No. 13 (Construction Safety and Health) 1.8 ECC regulations
2. Appropriate Personnel	May include: <ul style="list-style-type: none"> 2.1 Manager 2.2 Safety Officer 2.3 EHS Offices 2.4 Supervisors 2.5 Team Leaders 2.6 Administrators 2.7 Stakeholders 2.8 Government Official 2.9 Key Personnel 2.10 Specialists 2.11 Himself
3. OSH Preventive and Control Requirements	May include: <ul style="list-style-type: none"> 3.1 Resources needed for removing hazard effectively 3.2 Resources needed for substitution or replacement 3.3 Resources needed to establishing engineering controls 3.4 Resources needed for enforcing administrative controls 3.5 Personal Protective equipment
4. Non OSH-Compliance Work Activities	May include non-compliance or observance of the following safety measures: <ul style="list-style-type: none"> 4.1 Violations that may lead to serious physical harm or death 4.2 Fall Protection 4.3 Hazard Communication 4.4 Respiratory Protection 4.5 Power Industrial Trucks 4.6 Lockout/Tag-out 4.7 Working at heights (use of ladder, scaffolding) 4.8 Electrical Wiring Methods 4.9 Machine Guarding 4.10 Electrical General Requirements 4.11 Asbestos work requirements 4.12 Excavations work requirements

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Convey OSH work non-conformities to appropriate personnel 1.2. Identify OSH preventive and control requirements in accordance with OSH work policies and procedures 1.3. Identify OSH work activity material, tools and equipment requirements in accordance with workplace policies and procedures 1.4. Arrange/Place required OSH materials, tools and equipment in accordance with OSH work standards 1.5. Execute work activities in accordance with OSH work standards 1.6. Report OSH activity non-compliance work activities to appropriate personnel
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Facilities, materials tools and equipment necessary for the activity
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Observation/Demonstration with oral questioning 3.2 Third party report
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1 Competency may be assessed in the work place or in a simulated work place setting

UNIT OF COMPETENCY : EXERCISE EFFICIENT AND EFFECTIVE SUSTAINABLE PRACTICES IN THE WORKPLACE

UNIT CODE : 400311217

UNIT DESCRIPTOR : This unit covers knowledge, skills and attitude to identify the efficiency and effectiveness of resource utilization, determine causes of inefficiency and/or ineffectiveness of resource utilization and convey inefficient and ineffective environmental practices

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Identify the efficiency and effectiveness of resource utilization	1.1 Required resource utilization in the workplace is measured using appropriate techniques 1.2 Data are recorded in accordance with workplace protocol 1.3 Recorded data are compared to determine the efficiency and effectiveness of resource utilization according to established <i>environmental work procedures</i>	1.1. Importance of Environmental Literacy 1.2. Environmental Work Procedures 1.3. Waste Minimization 1.4. Efficient Energy Consumptions	1.1 Recording Skills 1.2 Writing Skills 1.3 Innovation Skills
2. Determine causes of inefficiency and/or ineffectiveness of resource utilization	2.1 Potential causes of inefficiency and/or ineffectiveness are listed 2.2 Causes of inefficiency and/or ineffectiveness are identified through deductive reasoning 2.3 Identified causes of inefficiency and/or ineffectiveness are validated thru established environmental procedures	2.1 Causes of environmental inefficiencies and ineffectiveness	2.1 Deductive Reasoning Skills 2.2 Critical thinking 2.3 Problem Solving 2.4 Observation Skills
3. Convey inefficient and ineffective environmental practices	3.1 Efficiency and effectiveness of resource utilization are reported to <i>appropriate personnel</i> 3.2 Concerns related resource utilization are discussed with appropriate personnel 3.3 Feedback on information/ concerns raised are clarified with appropriate personnel	3.1 Appropriate Personnel to address the environmental hazards 3.2 Environmental corrective actions	3.1 Written and Oral Communication Skills 3.2 Critical thinking 3.3 Problem Solving 3.4 Observation Skills 3.5 Practice Environmental Awareness

RANGE OF VARIABLES

VARIABLE	RANGE
1. Environmental Work Procedures	May include: <ul style="list-style-type: none"> 1.1 Utilization of Energy, Water, Fuel Procedures 1.2 Waster Segregation Procedures 1.3 Waste Disposal and Reuse Procedures 1.4 Waste Collection Procedures 1.5 Usage of Hazardous Materials Procedures 1.6 Chemical Application Procedures 1.7 Labeling Procedures
2. Appropriate Personnel	May include: <ul style="list-style-type: none"> 2.1 Manager 2.2 Safety Officer 2.3 EHS Offices 2.4 Supervisors 2.5 Team Leaders 2.6 Administrators 2.7 Stakeholders 2.8 Government Official 2.9 Key Personnel 2.10 Specialists 2.11 Himself

EVIDENCE GUIDE

<p>1. Critical aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1. Measured required resource utilization in the workplace using appropriate techniques 1.2. Recorded data in accordance with workplace protocol 1.3. Identified causes of inefficiency and/or ineffectiveness through deductive reasoning 1.4. Validate the identified causes of inefficiency and/or ineffectiveness thru established environmental procedures 1.5. Report efficiency and effectiveness of resource utilization to appropriate personnel 1.6. Clarify feedback on information/concerns raised with appropriate personnel
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Workplace 2.2 Tools, materials and equipment relevant to the tasks 2.3 PPE 2.4 Manuals and references
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Demonstration 3.2 Oral questioning 3.3 Written examination
<p>4. Context for Assessment</p>	<ul style="list-style-type: none"> 4.1 Competency assessment may occur in workplace or any appropriately simulated environment 4.2 Assessment shall be observed while task are being undertaken whether individually or in-group

UNIT OF COMPETENCY : PRACTICE ENTREPRENEURIAL SKILLS IN THE WORKPLACE

UNIT CODE : 400311218

UNIT DESCRIPTOR : This unit covers the outcomes required to apply entrepreneurial workplace best practices and implement cost-effective operations

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Apply entrepreneurial workplace best practices	1.1 Good practices relating to workplace operations are observed and selected following workplace policy. 1.2 Quality procedures and practices are complied with according to workplace requirements. 1.3 Cost-conscious habits in resource utilization are applied based on industry standards.	1.1 Workplace best practices, policies and criteria 1.2 Resource utilization 1.3 Ways in fostering entrepreneurial attitudes: 1.3.1 Patience 1.3.2 Honesty 1.3.3 Quality-consciousness 1.3.4 Safety-consciousness 1.3.5 Resourcefulness	1.1 Communication skills 1.2 Complying with quality procedures
2. Communicate entrepreneurial workplace best practices	2.1 Observed good practices relating to workplace operations are communicated to appropriate person . 2.2 Observed quality procedures and practices are communicated to appropriate person 2.3 Cost-conscious habits in resource utilization are communicated based on industry standards.	2.1 Workplace best practices, policies and criteria 2.2 Resource utilization 2.3 Ways in fostering entrepreneurial attitudes: 2.3.1 Patience 2.3.2 Honesty 2.3.3 Quality-consciousness 2.3.4 Safety-consciousness	2.1 Communication skills 2.2 Complying with quality procedures 2.3 Following workplace communication protocol

		2.3.5 Resourcefulness	
3. Implement cost-effective operations	<p>3.1 Preservation and optimization of workplace resources is implemented in accordance with enterprise policy</p> <p>3.2 Judicious use of workplace tools, equipment and materials are observed according to manual and work requirements.</p> <p>3.3 Constructive contributions to office operations are made according to enterprise requirements.</p> <p>3.4 Ability to work within one's allotted time and finances is sustained.</p>	<p>3.1 Optimization of workplace resources</p> <p>3.2 5S procedures and concepts</p> <p>3.3 Criteria for cost-effectiveness</p> <p>3.4 Workplace productivity</p> <p>3.5 Impact of entrepreneurial mindset to workplace productivity</p> <p>3.6 Ways in fostering entrepreneurial attitudes:</p> <p>4. Quality-consciousness</p> <p>5. Safety-consciousness</p>	<p>3.1 Implementing preservation and optimizing workplace resources</p> <p>3.2 Observing judicious use of workplace tools, equipment and materials</p> <p>3.3 Making constructive contributions to office operations</p> <p>3.4 Sustaining ability to work within allotted time and finances</p>

RANGE OF VARIABLES

VARIABLE	RANGE
1.Good practices	May include: 1.1 Economy in use of resources 1.2 Documentation of quality practices
2.Resources utilization	May include: 2.1 Consumption/ use of consumables 2.2 Use/Maintenance of assigned equipment and furniture 2.3 Optimum use of allotted /available time

EVIDENCE GUIDE

1. Critical aspects of competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Demonstrated ability to identify and sustain cost-effective activities in the workplace</p> <p>1.2 Demonstrated ability to practice entrepreneurial knowledge, skills and attitudes in the workplace.</p>
2. Resource Implications	<p>The following resources should be provided:</p> <p>2.1 Simulated or actual workplace</p> <p>2.2 Tools, materials and supplies needed to demonstrate the required tasks</p> <p>2.3 References and manuals</p> <p>2.3.1 Enterprise procedures manuals</p> <p>2.3.2 Company quality policy</p>
3. Methods of Assessment	<p>Competency in this unit should be assessed through:</p> <p>3.1 Interview</p> <p>3.2 Third-party report</p>
4.Context of Assessment	<p>4.1 Competency may be assessed in workplace or in a simulated workplace setting</p> <p>4.2 Assessment shall be observed while tasks are being undertaken whether individually or in-group</p>

COMMON COMPETENCIES

UNIT OF COMPETENCY : OBSERVE PROCEDURES, SPECIFICATIONS AND MANUALS OF INSTRUCTIONS

UNIT CODE : CON311201

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes on identifying, interpreting and applying services to specifications and manuals and storing manuals.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Identify and access specification/manuals	1.1 Appropriate manuals are identified and accessed as per job requirements 1.2 Version and date of manual are checked to ensure that correct specification and procedures are identified	1.1 Types of manuals used in carpentry 1.2 Identification of symbols used in the manuals	1.1 Identifying manuals and specifications 1.2 Accessing information and data
2. Interpret manuals	2.1 Relevant sections, chapters of specifications/manuals are located in relation to the work to be conducted 2.2 Information and procedure in the manual are interpreted in accordance with industry practices	2.1 Types of manuals used in carpentry 2.2 Types of symbols used in manuals 2.3 System of measurements Unit conversion	2.1 Interpreting symbols and specifications 2.2 Accessing information and data 2.3 Applying conversion of units of measurements
3. Apply information in manual	3.1 Manual is interpreted according to job requirements 3.2 Work steps are correctly identified in accordance with manufacturer's specification 3.3 Manual data are applied according to the given task 3.4 All correct sequencing and adjustments are interpreted in accordance with	3.1 Types of manuals used in carpentry 3.2 Types and application of symbols in manuals 3.3 Unit conversion	3.1 Applying information from manuals

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
	information contained on the manual or specifications		
4. Store manuals	4.1 Manual or specification is stored appropriately to prevent damage, ready access and updating of information when required in accordance with company requirements	4.1 Types of manuals used in carpentry 4.2 Manual storing and maintaining procedures	4.1 Storing and maintaining manuals

RANGE OF VARIABLES

VARIABLE	RANGE
1. Manual	1.1 Manufacturer's Specification Manual 1.2 Maintenance Procedure Manual 1.3 Guidelines and Ordinances of Fishing

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Identified and accessed specification/manuals as per job requirements 1.2 Interpreted manuals in accordance with industry practices 1.3 Applied information in manuals according to the given task 1.4 Stored manuals in accordance with company requirements
2. Resource implications	The following resources MUST be provided: 2.1 All manuals/catalogues relative to construction sector
3. Method of assessment	Competency must be assessed through: 3.1 Direct observation/Demonstration with Oral Questioning
4. Context for assessment	4.1 Competency may be assessed in actual workplace or at the designated TESDA Accredited Assessment Center.

UNIT OF COMPETENCY : PERFORM MENSURATIONS AND CALCULATIONS

UNIT CODE : CON311203

UNIT DESCRIPTOR : This unit covers the knowledge, skills and attitudes on identifying and measuring objects based on the required performance standards.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Select measuring instruments	1.1 Object or component to be measured is identified, classified and interpreted according to industry procedure 1.2 Measuring tools are selected/identified following industry procedure 1.3 Correct specifications are obtained based on the required specifications 1.4- Alternative measuring tools are used without sacrificing cost and quality of work	1.1 Types of measuring tools and its uses	1.1 Selecting measuring instruments
2 Carry out measurements and calculations	2.1 Measurements are obtained according to job requirements 2.2 Alternative measuring tools are used without sacrificing cost and quality of work 2.3 Calculations needed to complete work tasks are performed using the four basic process of addition (+), subtraction (-),	2.1 Linear measurement 2.2 Geometrical measurement 2.3 Unit conversion 2.4 Ratio and proportion 2.5 Area	2.1 Interpreting formulas for volume, areas, perimeters of plane and geometric figures 2.2 Handling of measuring instrument

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
	<p>multiplication (x) and division (/)</p> <p>2.4 Calculations involving fractions, percentages and mixed numbers are used to complete workplace tasks</p> <p>2.5 Numerical computation is self checked and corrected for accuracy</p> <p>2.6 Instruments are read to the limit of accuracy of the tool</p> <p>2.7 Systems of measurement identified and converted according to job requirements/ISO</p> <p>2.8 Workpieces are measured according to job requirements</p>		

RANGE OF VARIABLES

VARIABLE	RANGE
1. Measuring instruments	May include: 1.1 Mesh gauge 1.2 Meter stick 1.3 Steel tape

EVIDENCE GUIDE

1. Critical aspects of Competency	Assessment requires that the candidate: 1.1 Selected and prepared appropriate measuring instruments in accordance with job requirements 1.2 Performed measurements and calculations according to job requirements/ ISO
2. Resource implications	The following resources should be provided: 2.1 Workplace location 2.2 Problems to solve 2.3 Measuring instrument appropriate to carry out tasks 2.4 Instructional materials relevant to the propose activity
3. Methods of assessment	Competency must be assessed through: 3.1 Direct observation/Demonstration with Oral Questioning
4. Context of assessment	4.1 Competency may be assessed in actual workplace or at the designated TESDA Accredited Assessment Center

UNIT OF COMPETENCY : MAINTAIN TOOLS AND EQUIPMENT**UNIT CODE : CON311204****UNIT DESCRIPTOR :** This unit covers the knowledge, skills and attitudes on check condition, performing preventive maintenance, and storing construction painting tools and equipment.

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Check condition of tools and equipment	1.1 Materials, tools and equipment are identified according to classification and job requirements 1.2 Non-functional tools segregated and labeled according to classification 1.3 Safety of tools are observed in accordance with manufacturer's instructions 1.4 Condition of Personal Protective Equipment (PPE) are checked in accordance with manufacturer's instructions	1.1 Use of PPE 1.2 Handling of tools 1.3 Good housekeeping 1.4 Types and uses of lubricants 1.5 Types and uses of cleaning materials	1.1 Maintaining tools 1.2 Handling of tools 1.3 Identifying tools defects
2. Perform basic preventive maintenance	2.1 Tools are checked for operation in accordance manufacturer's 2.2 Measuring instruments are checked in accordance with manufacturer's instructions 2.4 Tools are cleaned according to standard procedures 2.5 Defective instruments and accessories are inspected and replaced according to manufacturer's specifications	2.1 Use of PPE 2.2 Handling of tools 2.2 Good housekeeping 2.3 Types and uses of lubricants 2.4 Types and uses of cleaning materials 2.5 Methods and techniques 2.6 Procedures	2.1 Handling of tools 2.2 Performing preventive maintenance

ELEMENTS	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
	2.6 Tools are inspected, repaired and replaced after use 2.7 Work place is cleaned and kept in safe state in line with Occupational Safety and Health (OSHS)		
3. Store tools	3.1 Inventory of tools are conducted and recorded according to industry practice. 3.2 Tools are stored safely in appropriate locations in accordance with manufacturer's specifications or company procedures	3.1 Use of PPE 3.2 Handling of tools 3.3 Storing procedures and techniques 3.4 Storage conditions/ locations	3.1 Storing tools and equipment 3.2 Handling of tools

RANGE OF VARIABLES

VARIABLE	RANGE
1. Materials	May include: 1.1 Net weaving materials 1.1.1 Monofilament twine 1.1.2 Multifilament twine 1.2 Net construction materials: 1.2.1 Nettings <ul style="list-style-type: none"> - Polyethylene/Polyamide nettings - Polyethylene rope - Rubber float - Lead sinker
2 Tools and equipment	May include: 2.1 Tools for net weaving: 2.1.1 Netting needle 2.1.2 Mesh gauge 2.1.3 Net cutter 2.1.4 Scissor 2.1.5 Meter stick 2.1.6 Steel tape

	<p>2.2 Tools for net construction:</p> <p>2.2.1 Netting needle</p> <p>2.2.2 Net cutter</p> <p>2.2.3 Scissor</p> <p>2.2.4 Meter stick</p> <p>2.2.5 Steel tape</p>
3. Protective Personal Equipment (PPE)	<p>May include but are not limited to:</p> <p>3.1 Goggles</p> <p>3.2 Gloves</p> <p>3.3 Safety shoes</p> <p>3.4 Apron for construction/production</p>

EVIDENCE GUIDE

1. Critical aspect of competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Selected and used appropriate processes, tools and equipment to carry out task</p> <p>1.2 Identified functional and non-functional tools and equipment</p> <p>1.3 Checked, lubricated and calibrated tools, equipment and instruments according to manufacturer's specifications</p> <p>1.4 Replaced defective tools, equipment and their accessories</p> <p>1.5 Observed and applied safe handling of tools and equipment and safety work practices</p> <p>1.6 Prepared and submitted inventory report, where applicable</p> <p>1.6 Maintained workplace in accordance with OSHA regulations</p> <p>1.7 Stored tools and equipment safely in appropriate locations and in accordance with company practices</p>
2. Resource implications	<p>The following resources should be provided:</p> <p>2.1 Workplace</p> <p>2.2 Maintenance schedule</p> <p>2.3 Maintenance materials, tools and equipment relevant to the proposed activity/task</p>
3. Methods of assessment	<p>Competency in this unit may be assessed through:</p> <p>1.1 Direct observation/Demonstration with Oral Questioning</p> <p>1.2 Written Examination</p>
4. Context for assessment	<p>4.1 Competency may be assessed in actual workplace or at the designated TESDA Accredited Assessment Center.</p>

UNIT OF COMPETENCY : MANAGE OWN PERFORMANCE

UNIT CODE : CRVXXXXXX

UNIT DESCRIPTOR : This unit of competency covers the knowledge, skills and attitudes to perform planning activities, maintain quality of performance and improve own work. It includes also an effective management of own competency to produce quality work.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Perform planning activities	1.1 Tasks are listed according to job requirements. 1.2 Work plans and schedules are prepared based on tasks. 1.3 Coordination is applied based on industry practices. 1.4 Budgetary requirements are computed based on the work plans and schedules .	1.1 Different tasks 1.2 Work plan 1.3 Budgetary requirements 1.4 Arithmetic operation 1.5 Geographical indicator (GI) 1.6 IPR 1.7 Coordination procedure 1.8 Simple bookkeeping 1.9 Attitude: <ul style="list-style-type: none"> • Teamwork 	1.1 Planning and organizing work loads 1.2 Listing of tasks 1.3 Preparing work plans schedules 1.4 Coordination skills 1.5 Computing budgetary requirements
2. Maintain quality of performance	2.1 Personal performance is monitored according to industry standards . 2.2 Advice and guidance is obtained to maintain industry standards . 2.3 Guidance from immediate superior is applied to maintain industry standards . 2.4 Specifications from customers are obtained based on industry standards .	2.1 Indicators of appropriate performance for each area of responsibility 2.2 Steps for improving or maintaining performance 2.3 Industry standards 2.6 Procedural checklist 2.7 Specifications from customers 2.8 Attitude: <ul style="list-style-type: none"> • Time consciousness • Attention to details 	2.1 Monitoring personal performance 2.2 Obtaining advice and guidance 2.3 Following guidance of cultural authorities 2.4 Applying procedural checklist 2.5 Obtaining specifications

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
3. Improve own work	3.1 Actual work output is assessed in relation to <i>work plan and schedules.</i> 3.2 Work expenses are computed against budget. 3.3 Feedback is obtained from <i>customer</i> based on job requirements. 3.4 Improvement is done according to feedback.	<ul style="list-style-type: none"> • Resourcefulness 3.1 Quality control 3.2 Work plan and schedules 3.3 Computation of work expenses 3.4 Customer feedback 3.5 Arithmetic operation 3.6 IKSP 3.7 Attitude <ul style="list-style-type: none"> • Time consciousness • Attention to details • Resourcefulness • Patience • Honesty 	3.1 Assessing actual work output 3.2 Computation skills 3.3 Obtaining customer feedback 3.4 Applying improvements

RANGE OF VARIABLES

VARIABLE	RANGE
1. Tasks	May include: 1.1 Acquire tools and materials 1.2 Select basic designs 1.3 Identify production target 1.4 Identify timelines 1.5 Conduct mass production 1.6 Package products 1.7 Conduct quality control 1.8 Perform marketing 1.9 Prepare inventory
2. Work plans and schedules	May include 2.1 Production schedule 2.2 Milestone and delivery dates
3. Industry standards	May include: 3.1 Application of techniques 3.2 Choosing materials 3.3 Following the designs 3.4 Observation of product sizes 3.5 Durability of products 3.6 Costing
4. Immediate superior	May include: 4.1 Net Master 4.2 Net Foreman
5. Customer	May include: 5.1 Client

VARIABLE	RANGE
	5.2 Peer 5.3 Team leader

EVIDENCE GUIDE

1. Critical aspects of competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Perform planning activities</p> <p>1.1.1 Listed tasks of job requirements</p> <p>1.1.2 Prepared work plans and schedules</p> <p>1.1.3 Computed budgetary requirements</p> <p>1.2 Maintain quality of performance.</p> <p>1.2.1 Monitored personal performance.</p> <p>1.2.2 Obtained advice and guidance.</p> <p>1.2.3 Applied guidance from community cultural authorities</p> <p>1.3 Improve own work</p> <p>1.3.1 Assessed Actual work output in relation to work plan and schedules.</p> <p>1.3.2 Computed work expenses against budget.</p> <p>1.3.3 Carried-out improvement</p>
2. Resource Implications	<p>The following resources MUST be provided:</p> <p>2.1 Actual and simulated workplace</p> <p>2.2 Materials, tools, and equipment needed to perform the required task</p> <p>2.3 References and manuals</p> <p>2.4 PPEs</p> <p>2.5 First aid kit</p>
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <p>3.1 Demonstration/ observation with oral questioning</p> <p>3.2 Written exam</p> <p>3.3 Portfolio (work plan and schedules) with interview</p>
4. Context for Assessment	<p>4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions</p>

UNIT OF COMPETENCY : MAINTAIN A SAFE, CLEAN AND EFFICIENT WORK ENVIRONMENT

UNIT CODE : CRVXXXXXX

UNIT DESCRIPTOR : This unit of competency covers the knowledge, skills and attitudes to comply with safety and health regulations, maintain work area and maintain tools, equipment, materials and other resources. This includes competencies needed to maintain clean and safe working environment. The unit incorporates the work safety guidelines.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
1. Comply with safety and health regulations	1.1 Safety and health measures are applied based on OSHS. 1.2 Policies and procedures are adapted and applied according to industry standards. 1.3 Emergencies are addressed following workplace procedures. 1.4 Work areas are set-up and secured following safety procedures.	1.1 Indigenous Knowledge System Practices (IKSP) on safety and health 1.1.1 Handling of chemicals 1.2 Geographical location 1.3 Traditional PPEs 1.4 Industrial PPEs 1.5 Community procedures 1.6 Workplace emergencies 1.7 Addressing workplace emergencies 1.8 Setting-up and securing of work areas 1.9 Alternative work areas 1.10 3Rs 1.11 5S of Good Housekeeping 1.12 OSHS 1.13 Attitude <ul style="list-style-type: none"> • Patience • Honesty • Focus on details 	1.1 Complying with Indigenous Knowledge System Practices (IKSP) on safety and health 1.2 Handling of chemicals 1.3 Adapting and applying policies and procedures 1.4 Setting-up and securing work areas 1.5 Applying safety practices 1.6 Addressing emergencies 1.7 Identifying alternative work areas
2. Maintain work area	2.1 Attributes of conducive working areas are checked following safety procedures.	2.1 Work Hazards Policies and Procedures 2.1.1 Topographic location	<ul style="list-style-type: none"> • Complying with health and safety regulations • Checking attributes of

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>2.2 Repairs are identified and reported to authorities.</p> <p>2.3 Work area maintenance schedule are complied according to workplace procedure.</p> <p>2.4 Waste is stored and disposed of according to waste management.</p> <p>2.5 Safety practices are applied following OSHS</p>	<p>2.2 OSHS policies and procedures</p> <p>2.3 Waste management (5Rs)</p> <p>2.3.1 Refuse</p> <p>2.3.2 Reduce</p> <p>2.3.3 Reuse</p> <p>2.3.4 Recycle</p> <p>2.3.5 Rot</p> <p>2.4 Authorities</p> <p>2.5 Work schedule</p> <p>2.6 Attributes of conducive working areas</p> <p>2.7 5S of good housekeeping</p> <p>2.8 Environmental laws</p> <p>2.9 Attitude</p> <ul style="list-style-type: none"> • Orderliness • Patience • Resourcefulness 	<p>conductive working areas</p> <ul style="list-style-type: none"> • Identifying and reporting repairs to authorities • Preparing work schedule and assignments • Storing and disposing wastes • Applying safety practices
<p>3. Maintain tools, equipment, materials and other resources</p>	<p>3.1 Tools, equipment and materials are stored according to manufacturer's manual and industry practices.</p> <p>3.2 Tools, and equipment are checked for maintenance requirements according to manufacturer's manual and industry practices.</p> <p>3.3 Resources are monitored and maintained following workplace procedure.</p> <p>3.4 Tools and equipment are referred for repair</p>	<p>3.1 Storing tools and equipment</p> <p>3.2 Checking for maintenance requirements</p> <p>3.3 OSHS</p> <p>3.4 Manufacturer's manual and industry practice</p> <p>3.5 Maintenance of tools and equipment</p> <p>3.6 Reporting tools and equipment for major repairs</p> <p>3.7 IKSP</p> <p>3.8 Cultural sensitivity</p> <p>3.9 Different resources</p> <p>3.10 Forecasting/ projection of resources</p> <p>3.11 Monitoring guidelines</p> <p>3.12 Attitude</p> <ul style="list-style-type: none"> • Patience • Orderliness • Organized • Resourcefulness 	<p>3.1 Maintaining of tools and equipment</p> <p>3.2 Storing tools, equipment and resources</p> <p>3.3 Checking tools, and equipment</p> <p>3.4 Communication skills</p> <p>3.5 Monitoring and maintaining resources</p> <p>3.6 Performing forecasting/ projection of resources</p> <p>3.7 Following monitoring guidelines</p> <p>3.8 Applying OSHS</p>

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE	REQUIRED SKILLS
	<p>according to industry procedure.</p> <p>3.5 Safety practices are applied following OSHS.</p>		

RANGE OF VARIABLES

VARIABLE	RANGE
1. Policies and procedures	May include: 1.1 Industrial Safety Procedures 1.2 Industrial use of Protective Clothing and Equipment 1.3 Hazard Identification 1.4 Job Procedures
2. Emergencies	May include: 2.1 Workplace 2.1.1 Fire 2.1.2 Natural calamities 2.1.3 Electrical faults 2.1.4 Gas leak 2.2 Worker 2.2.1 Burns 2.2.2 Poisoning 2.2.3 Cuts and Wounds
3. Attributes of conducive work areas	May include: 3.1 Properly ventilated 3.2 Organized tools, materials, and equipment 3.3 Proper lightings 3.4 Not prone to calamities 3.5 Sturdy physical structure
4. Checking of attributes of conducive working areas	May include: 4.1 Ocular inspection 4.2 Consultation with authorities
5. Resources	May include: 5.1 Time 5.2 Manpower 5.3 Budgetary requirements 5.4 Sources of raw materials
6. Authorities	May include: 6.1 Cultural elders 6.2 Cultural masters 6.3 Cultural leaders 6.4 LGUs

EVIDENCE GUIDE

<p>1. Critical aspects of competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Comply with safety and health regulations <ul style="list-style-type: none"> 1.1.1 Applied community procedures on safety and health 1.1.2 Adapted and applied policies and procedures 1.1.3 Addressed emergencies 1.1.4 Set-up and secured work areas 1.2 Maintain work area <ul style="list-style-type: none"> 1.2.1 Checked attributes of conducive working areas 1.2.2 Identified and reported repairs 1.2.3 Stored and disposed waste 1.2.4 Applied safety practices 1.3 Check and maintain tools, equipment and resources <ul style="list-style-type: none"> 1.3.1 Stored tools, equipment and materials 1.3.2 Checked tools, and equipment for maintenance 1.3.3 Monitored and maintained resources 1.3.4 Referred tools and equipment for repair 1.3.5 Applied safety practices
<p>2. Resource Implications</p>	<p>The following resources MUST be provided:</p> <ul style="list-style-type: none"> 2.1 Actual and simulated workplace 2.2. Materials, tools, and equipment needed to perform the required task 2.3 References and manuals 2.4 PPEs 2.5 First aid kit
<p>3. Methods of Assessment</p>	<p>Competency in this unit should be assessed through:</p> <ul style="list-style-type: none"> 3.1 Demonstration/ observation with oral questioning 3.2 Written exam
<p>4. Context for Assessment</p>	<p>4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions</p>

CORE COMPETENCY

UNIT OF COMPETENCY : CONDUCT PRE-NETTING ACTIVITIES

UNIT CODE : AFFXXXXXX

UNIT DESCRIPTOR : The unit deals with the knowledge, skills and attitudes required to determine net specifications, source out tools, materials and supplies and secure written agreement.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Determine net specifications	1.1 Design is interpreted based on industry standards 1.2 Net specifications are confirmed with client's according to industry practice 1.3 Net specification is drawn following client's requirement 1.4 Advise is provided to clients following industry practice 1.5 Required materials and supplies are listed based on net specifications	1.1 Types of net design and specifications 1.2 Catching principles of net 1.3 Interpreting types of net design 1.4 Use fishnets 1.5 Specification of fishing vessel 1.6 Layout/ draw net design 1.7 Basic mathematical operations 1.8 Mensuration 1.9 Communication skills Attitude: <ul style="list-style-type: none"> • Patient • Respectful • Honest 	1.1 Interpreting design 1.2 Confirming net specifications 1.3 Drawing net specification 1.4 Providing advice to clients 1.5 Listing required materials and supplies 1.6 Communication skills 1.7 Mensuration
2. Source out tools, materials and supplies	2.1 Tools, supplies and materials are canvassed following industry practice. 2.2 Negotiation and transaction are made with the supplier. 2.3 Supplies and materials are purchased based on requirements	2.1 Canvassing procedures 2.2 Negotiation skills 2.3 Basic mathematical operations 2.4 Purchasing methods	2.1 Canvassing tools, materials and supplies 2.2 Negotiating and transacting with suppliers 2.3 Purchasing supplies and materials

3. Secure written agreement	3.1 Negotiation and transaction with clients are made following industry practice 3.2 Agreed terms and conditions are finalized with clients following industry practice 3.3 Signature are secured by the clients following agreement	3.1 Composition of Verbal/ Written agreement <ul style="list-style-type: none"> - Costing - Date of delivery - Product specifications 3.2 Negotiation skills 3.3 Communication Skills	3.1 Negotiating and transacting with clients 3.2 Finalizing agreed terms and conditions 3.3 Securing signature by the clients 3.4 Communication skills
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RANGE OF VARIABLES

Variables	Range
1. Types of fishnets	Types of fishnets may include: 1.1 Surface Gillnets 1.2 Drift Gillnets 1.3 Bottom Set Gillnets
2. Net specification	Net specification includes: 2.1 Target fish 2.2 Size and width of net 2.3 Municipal ordinances 2.4 Fishing ground 2.5 Types of fishing vessel <ul style="list-style-type: none"> 2.5.1 3tons-below – municipal fishing 2.5.2 1tons and beyond – commercial fishing
3. Tools, Materials and Supplies	Tools, Materials and Supplies may include: 3.1 Tools: <ul style="list-style-type: none"> 3.1.1 For net weaving: <ul style="list-style-type: none"> 3.1.1.1 Netting needle 3.1.1.2 Mesh gauge 3.1.1.3 Net cutter 3.1.1.4 Scissor 3.1.1.5 Meter stick 3.1.1.6 Steel tape 3.1.2 For net construction (assembly of nettings: ready net mesh, sinker line, floater line) <ul style="list-style-type: none"> 3.1.2.1 Netting needle 3.1.2.2 Net cutter 3.1.2.3 Scissor 3.1.2.4 Meter stick 3.1.2.5 Steel tape 3.2 Materials <ul style="list-style-type: none"> 3.2.1 For net weaving: <ul style="list-style-type: none"> 3.2.1.1 Monofilament twine 3.2.1.2 Multifilament twine 3.2.2 For construction:

	<p>3.2.2.1 Nettings</p> <ul style="list-style-type: none"> - Polyethylene/Polyamide nettings - Polyethylene rope - Rubber float - Lead sinker <p>3.3 Supplies:</p> <p>3.3.1 Rags</p> <p>3.3.2 Bond paper</p> <p>3.3.3 Pencil</p> <p>3.3.4 Cleaning materials</p> <p>3.3.5 Post (1 meter)</p> <p>3.3.6 Waist tool bag</p>
4. PPES	<p>PPEs may include:</p> <p>4.1 Goggles</p> <p>4.2 Gloves</p> <p>4.3 Apron for construction/production</p>

EVIDENCE GUIDE

1. Critical aspects of competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Determined net specifications</p> <p>1.2 Sourced out tools, materials and supplies</p> <p>1.3 Secured written agreement</p>
2. Resource Implications	<p>The following resources MUST be provided:</p> <p>2.1 Actual and simulated workplace</p> <p>2.2 Materials, tools, and equipment needed to perform the required task</p> <p>2.3 References and manuals</p> <p>2.4 PPEs</p> <p>2.5 First aid kit</p>
3. Methods of Assessment	<p>Competency in this unit should be assessed through:</p> <p>3.1 Demonstration/ direct observation with oral questioning</p> <p>3.2 Written exam</p>
4. Context for Assessment	<p>4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions</p>

UNIT OF COMPETENCY : CONSTRUCT FISHNET

UNIT CODE : AFFXXXXXX

UNIT DESCRIPTOR : The unit deals with the knowledge, skills and attitudes required to conduct pre-production activities, perform weaving, assemble fishnet and conduct post-production activities.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Conduct pre-production activities	1.1 Workplace are prepared following industry practice 1.2 Tools, materials and supplies are prepared following industry practice. 1.3 Nylon line is uncoiled following industry procedure 1.4 Remaining nylon line in the roll are set aside and knotted following industry procedure 1.5 Filling of net needle is performed following industry practice 1.6 PPEs are worn following OSHS – 1.7 Safety practices are applied following OSHS	1.1 Workplace 1.2 Tools, materials and supplies 1.3 Loading technique 1.4 Industry procedure 1.5 Uncoiling procedure 1.6 Hitches and knotting techniques 1.7 OSHS 1.8 PPEs	1.1 Preparing workplace 1.2 Preparing tools, materials and supplies 1.3 Uncoiling nylon line 1.4 Knotting and setting remaining nylon roll 1.5 Filling of net needle 1.6 Wearing of PPEs 1.7 Applying safety practices
2. Perform weaving	2.1 Starting points are identified following industry procedure 2.2 Twine are secured based on industry procedure 2.3 Mesh gauge is used following industry procedure 2.4 Twines are weaved following industry procedures 2.5 Hitches and knots techniques are applied to ensure quality fishnet 2.6 Monitoring is performed following industry procedure	2.1 Types of knots and hitches 2.2 Types and specifications of nets 2.3 Uses of mesh gauge 2.4 Weaving procedure and techniques 2.5 RA 8550 2.6 RA 10654 2.7 RA1950 2.8 OSHS	2.1 Identifying starting points 2.2 Securing twine 2.3 Using mesh gauge 2.4 Weaving twines 2.5 Applying hitches and knots technique 2.6 Monitoring operation 2.7 Applying safety practices

	2.7 Safety practices are applied following OSHS		
3. Assemble fishnet	<p>3.1 Float and sinker lines are prepared based on industry practices</p> <p>3.2 Main line, secondary line and wire mesh are joined following industry practices</p> <p>3.3 Floats and sinker are installed to edges based on fishnet specifications</p> <p>3.4 Hitches and knots techniques are applied to ensure quality fishnet</p> <p>3.5 Monitoring is performed following industry procedure</p> <p>3.6 Corrective actions are applied following industry procedure</p> <p>3.7 Safety practices are applied following OSHS</p>	<p>3.1 Preparation procedure</p> <p>3.2 Nettings</p> <p>3.3 Assembling methods</p> <p>3.4 Types of knots and hitches</p> <p>3.5 Floats and sinker</p> <p>3.6 Installation of floats and sinker</p> <p>3.7 Importance of slacks</p> <p>3.8 Corrective actions</p> <p>3.9 RA 8550</p> <p>3.10 RA 10654</p> <p>3.11 RA1950</p> <p>3.12 OSHS</p>	<p>3.1 Preparing floater and sinker lines</p> <p>3.2 Joining main and secondary lines and wire mesh</p> <p>3.3 Applying hitches and knots techniques</p> <p>3.4 Monitoring operation</p> <p>3.5 Applying corrective actions</p> <p>3.6 Applying safety practices</p>
4. Conduct post-production activities	<p>4.1 Final checking is conducted following industry procedure</p> <p>4.2 Fishnet is stored in places away from direct sunlight and rain following industry procedure</p> <p>4.3 Fishnet is turned – over to client based on agreed terms and condition.</p> <p>4.4 Record keeping is performed following industry procedure</p> <p>4.5 Workplace is restored following 5S of Good Housekeeping</p> <p>4.6 Safety practice are applied following OSHS</p>	<p>4.1 Checking procedures</p> <p>4.2 Storing procedure</p> <p>4.3 Turning over procedure</p> <p>4.4 Communication skills</p> <p>4.5 OSHS</p> <p>4.6 Waste management</p> <p>4.7 Principles of 3Rs</p> <p>4.8 5S of Good Housekeeping</p>	<p>4.1 Conducting final checking</p> <p>4.2 Storing fishnet</p> <p>4.3 Turning over fishnet</p> <p>4.4 Performing record keeping</p> <p>4.5 Restoring workplace</p> <p>4.6 Applying safety practices</p>

RANGE OF VARIABLES

Variables	Range
1. Twine	Twine may include: 1.1 Monofilament fishing line 1.2 Multifilament fishing line
2. Preparation of float and sinker lines	Preparation of float and sinker lines may include: 2.1 Fishing line is secured to the post 2.2 Fishing line is measured and marked
3. Industry practice in joining float and sinker lines to mesh net	Industry practice in joining float and sinker lines to mesh net may include: 3.1 Attached floater and sinker 3.2 Ensure tightness of knots and hitches 3.3 Ensure adjustment of slack
4. PPES	PPEs may include: 4.1 Goggles 4.2 Gloves 4.3 Apron for construction/production 4.4 Tool waist bag

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Conducted pre-production activities 1.2 Performed weaving 1.3 Assembled fishnet 1.4 Conducted post – production activities
2. Resource Implications	The following resources MUST be provided: 2.1 Actual and simulated workplace 2.2 Materials, tools, and equipment needed to perform the required task 2.3 References and manuals 2.4 PPEs 2.5 First aid kit
3. Methods of Assessment	Competency in this unit should be assessed through: 3.1 Demonstration/ direct observation with oral questioning 3.2 Written exam
4. Context for Assessment	4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions

UNIT OF COMPETENCY : MAINTAIN FISHNET

UNIT CODE : AFFXXXXXX

UNIT DESCRIPTOR : The unit deals with the knowledge, skills and attitudes required to perform pre-production activities, repair fishnet and conduct post production activities

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Perform pre-maintenance activities	1.1 Type and extend of damage is determined according to industry procedure 1.2 Tools and materials are prepared following industry procedure 1.3 Extent of trimming is determined following industry procedure 1.4 Starting and finishing point of repair is located based on industry procedure 1.5 Types of repair is identified following industry procedure 1.6 Size of twine is identified based on the damaged fishnet 1.7 Fishnet is cleaned following industry procedure 1.8 Safety practices are applied following OSHS	1.1 Tools and materials used for repair 1.2 Specifications of fishing line used 1.3 Types and extent of damage 1.4 Starting and finishing point repair of damage 1.5 Trimming technique 1.6 Basic mathematical operations 1.7 Ethno Mathematics 1.8 Mensuration 1.9 OSHS	1.1 Determining type and extend of damages 1.2 Determining extent of trimming 1.3 Locating starting and finishing point 1.4 Identifying types of repair 1.5 Identifying size of twine 1.6 Cleaning of fishnet 1.7 Applying safety practices
2. Repair fishnet	2.1 Trimming is performed following industry procedure 2.2 Types of repair is applied based on industry procedure 2.3 Hitches and knots techniques are applied according to industry procedure	2.1 Trimming techniques 2.2 Repair procedure - Mending - Patching - Seizing/lacing 2.3 Hitches and knots techniques 2.4 Industry procedure 2.5 OSHS	2.1 Trimming 2.2 Applying types of repair 2.3 Applying hitches and knots 2.4 Monitoring 2.5 Applying safety practices

	<p>2.4 Monitoring is conducted following industry procedure</p> <p>2.5 Safety practices are applied following OSHS</p>	2.6 Waste management	
3. Complete net maintenance activities	<p>3.1 Alignment is checked based on industry procedure</p> <p>3.2 Tightness of hitches and knots are checked according to industry procedure</p> <p>3.3 Fishnet is stored in places away from direct sunlight and rain following industry procedure</p> <p>3.4 Fishnet is turned – over to client based on agreed terms and condition.</p> <p>3.5 Record keeping is performed following industry procedure</p> <p>3.6 Workplace is restored following 5S of Good Housekeeping</p> <p>3.7 Safety practice are applied following OSHS</p>	<p>3.1 Tanning technique (applicable to pamo)</p> <p>3.2 Inspection procedures</p> <p>3.3 Quality repair</p> <p>3.4 Storing procedure</p> <p>3.5 Turning over procedure</p> <p>3.6 Communication skills</p>	<p>3.1 Checking alignment</p> <p>3.2 Checking tightness of hitches and knots</p> <p>3.3 Storing fishnet</p> <p>3.4 Turning over fishnet</p> <p>3.5 Performing record keeping</p> <p>3.6 Restoring workplace</p> <p>3.7 Applying safety practices</p>

RANGE OF VARIABLES

Variables	Range
1.1 Tools and materials	Tools and materials may include: 1.1 Tools: 1.1.1 Netting needle 1.1.2 Net cutter 1.1.3 Scissor 1.2 Materials: 1.2.1 Nettings 1.2.2 Monofilament twine 1.2.3 Multifilament twine

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Performed pre-production activities 1.2 repaired fishnet 1.3 Conducted post production activities
2. Resource Implications	The following resources MUST be provided: 2.1 Actual and simulated workplace 2.2 Materials, tools, and equipment needed to perform the required task 2.3 References and manuals 2.4 PPEs 2.5 First aid kit
3. Methods of Assessment	Competency in this unit should be assessed through: 3.1 Demonstration/ direct observation with oral questioning 3.2 Written exam
4. Context for Assessment	4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions

UNIT TITLE : MARKET PRODUCTS

UNIT CODE : AFFXXXXX

UNIT DESCRIPTOR : The unit deals with the knowledge, skills and attitudes required to compute market price, determine potential market, apply selling practices and deliver product.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Compute market price	1.1 Cost of product is computed based on used materials and labor 1.2 Total price is computed based on standard marketing practices 1.3 Price tagging is done according to workplace procedure	1.1 Costing and pricing of products 1.2 Computation of market price 1.3 Standard marketing practices 1.4 Standard pricing procedure 1.5 Price tagging 1.6 Arithmetic operation 1.7 Attitude: Analytical Detailed Economic Patience	1.1 Costing and pricing 1.2 Performing price tagging 1.3 Performing arithmetic operation 1.4 Calculation skills 1.5 Communication skills
2. Determine potential market	2.1 Target markets are identified following industry standards 2.2 Marketing strategy is applied following industry standards 2.3 Marketing transaction is completed based on agreed terms and conditions	2.1 Identification of Target markets 2.2 Profiling of prospect customers 2.3 Marketing rules and terminologies 2.4 Closing marketing transaction 2.5 Agreed terms and condition 2.6 Attitude: Polite Tactful Enthusiastic	2.1 Identifying target markets 2.2 Applying marketing strategy 2.3 Completing marketing transaction 2.4 Signing and recording agreed terms and conditions 2.5 Communication and negotiation skills
3. Apply selling practice	3.1 Required product quantity is verified following selling practices	1.1 Verification of required product quantity 1.2 Selling practices	3.1 Verifying of required product quantity 3.2 Packaging of products

	<p>3.2 Packaging of product is done according to required product quantity</p> <p>3.3 Packaged product is sealed and labeled following marketing requirement</p> <p>3.4 Packaged products are checked based on the required product quantity</p>	<p>1.3 Packaging of products</p> <p>1.4 Product sealing and labeling</p> <p>1.5 Checking procedures of bundled products</p> <p>1.6 Checking procedures of packaged</p> <p>1.7 Attitude: Detailed Systematic Patient Polite Organized Economical</p>	<p>3.3 Sealing and labeling of packaged products</p> <p>3.4 Checking of packaged products</p> <p>3.5 Applying of selling practices</p> <p>3.6 Communication skills</p> <p>3.7 Calculation skills</p>
4. Deliver product	<p>4.1 Buyers are informed regarding product delivery following agreed terms and condition</p> <p>4.2 Handling and transporting of products are monitored based on the agreed terms and condition</p> <p>4.3 Product distribution is completed following agreed terms and condition</p> <p>4.4 Payment is collected based on the agreed terms and condition</p> <p>4.5 Reports are prepared according to marketing requirements</p>	<p>4.1 Communication with buyers</p> <p>4.2 Types of product delivery</p> <p>4.3 Monitoring procedures for handling and transporting</p> <p>4.4 Procedures of completing transactions for product dispersal</p> <p>4.5 Preparation of report</p> <p>4.6 Attitude Patient Systematic Organized Punctual Time conscious</p>	<p>4.1 Communicating buyers</p> <p>4.2 Monitoring handling and transporting of products</p> <p>4.3 Completing transactions for product deliveries</p> <p>4.4 Preparing reports</p> <p>4.5 Computing quantity of dispersed products</p> <p>4.6 Collecting of payment</p> <p>4.7 Negotiation skills</p>

RANGE OF VARIABLES

Variables	Range
1. Standard marketing practices	Standard marketing practices may include: 1.1 Cost of Raw material 1.2 Marked- up/margin 1.3 Cost of Labor 1.4 Administrative cost 1.5 Imputed cost of assets 1.6 Cost of borrowed money (as applicable)
2. Marketing strategy	Marketing strategy includes: 2.1 sales talk 2.2 product demonstration 2.3 participation/join trade fair and exhibits 2.4 online promotion and selling of products
3. Agreed terms and condition	Agreed terms and conditions may include: 3.1 Total number of orders 3.2 Date of deliveries 3.3 Date of payments 3.4 Reject 3.5 Mode of delivery 3.6 Total price of products
4. Selling practices	Selling Practices may include: 4.1 Retail 4.2 Wholesale
5. Product delivery	Product delivery may include: 5.1 Pick –up 5.2 Courier 5.3 Freight

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Computed market price 1.2 Determined potential market 1.3 Apply selling practices 1.4 Delivered product
2. Resource Implications	The following resources MUST be provided: 2.1 Actual and simulated workplace 2.2 Materials, tools, and equipment needed to perform the required task 2.3 References and manuals 2.4 PPEs 2.5 First aid kit
3. Methods of Assessment	Competency in this unit should be assessed through: 3.1 Demonstration/ direct observation with oral questioning 3.2 Written exam
4. Context for Assessment	4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions

ELECTIVE COMPETENCIES

UNIT TITLE : FABRICATE TOOLS

UNIT CODE : AFFXXXX

UNIT DESCRIPTOR : The unit deals with the knowledge, skills and attitudes required to conduct pre-production activities, carve tools and conduct post-production activities. Safety measures are applied.

ELEMENT	PERFORMANCE CRITERIA <i>Italicized terms</i> are elaborated in the Range of Variables	REQUIRED KNOWLEDGE AND ATTITUDE	REQUIRED SKILLS
1. Conduct preparatory activities	1.1 Netting tools to be fabricated are identified following industry procedure 1.2 Specifications of tools are determined following work requirement 1.3 Pattern is drawn following industry procedure 1.4 Quality raw materials are secured following industry procedure 1.5 Tools and materials are prepared following industry procedure 1.6 Workplace are prepared following industry procedures 1.7 Safety practices are applied following OSHS	1.1 Kinds of netting tools - Net Needle - Mesh gauge - Twine roller - Spacer 1.2 Principles of 3Rs 1.3 Tool specifications 1.4 Quality raw materials 1.5 Tools, materials and supplies 1.6 Waste management 1.7 Mensuration 1.8 OSHS	1.1 Identifying netting tools 1.2 Determining specifications of tools 1.3 Drawing pattern 1.4 Securing quality raw materials 1.5 Preparing tools and materials 1.6 Preparing workplace 1.7 Applying safety practices
2. Carve tools	2.1 Raw material is measured following design specifications	2.1 Basic mathematical operations 2.2 Mensuration	2.1 Measuring raw materials 2.2 Tracing pattern

	<p>2.2 Pattern is traced out following industry procedure</p> <p>2.3 Raw materials are cut into shape following traced pattern</p> <p>2.4 Carving is performed following design specification</p> <p>2.5 Finishing is performed following industry procedure</p> <p>2.6 Safety practices are applied following OSHS</p>	<p>2.3 Pattern making</p> <p>2.4 Cutting and carving techniques</p> <p>2.5 Finishing procedures</p> <p>2.6 OSHS</p> <p>2.7 Waste management</p>	<p>2.3 Cutting raw materials</p> <p>2.4 Performing carving</p> <p>2.5 Performing finishing</p> <p>2.6 Applying safety practices</p>
<p>3. Perform fabrication to completion</p>	<p>3.1 Fabricated tool is inspected and tested following industry standards</p> <p>3.2 Tools and supplies are cleaned and stored following industry standards</p> <p>3.3 Workplace is restored following 5S of Good Housekeeping</p> <p>3.4 Record keeping is performed following industry procedure</p> <p>3.5 Safety practice are applied following OSHS</p>	<p>3.1 Testing procedures</p> <p>3.2 Principles of 3Rs and 5S of Good Housekeeping</p> <p>3.3 Waste Management</p> <p>3.4 OSHS</p>	<p>3.1 Inspecting and testing fabricated tools</p> <p>3.2 Cleaning and storing tools and supplies</p> <p>3.3 Restoring workplace</p> <p>3.4 Performing record keeping</p> <p>3.5 Applying safety practices</p>

RANGE OF VARIABLES

Variables	Range
1. Tools specification	Tools specification may include: 1.1 Type of raw materials to be used 1.1.1 Wood 1.1.2 Plastic 1.1.3 Bamboo 1.2 Size of tools 1.2.1 Needles Small – ¼"x4" (twine #0.15,0.20,0.25) Medium – ¾"x7" (twine #0.30-#0.60) Large – 1.5"x 1ft (twine #6- above) 1.2.2 Mesh gauge #3-#5
2. Tools and materials	Tools and materials may include: 2.1 Tools: 2.1.1 Blade 2.1.2 Knife 2.1.3 Portable grinder 2.1.4 Grinder cutter 2.1.5 Steel tape 2.2 Materials: 2.2.1 Wood – (hardwood) 2.2.2 Recycled plastic 2.2.3 Bamboo
3. Finishing	Finishing may include: 3.1 Smoothing 3.2 Cleaning 3.3 Trimming

EVIDENCE GUIDE

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Conducted pre-production activities 1.2 Carved tools 1.3 Conducted post – production activities
2. Resource Implications	The following resources MUST be provided: 2.1 Actual and simulated workplace 2.2 Materials, tools, and equipment needed to perform the required task 2.3 References and manuals 2.4 PPEs 2.5 First aid kit
3. Methods of Assessment	Competency in this unit should be assessed through: 3.1 Demonstration/ observation with oral questioning 3.2 Written exam
4. Context for Assessment	4.1 Competency may be assessed individually in the actual workplace or simulation environment in TESDA accredited institutions

SECTION 3: TRAINING ARRANGEMENTS

TRAINEE ENTRY REQUIREMENTS

Trainees or student wishing to gain entry into this course must possess the following requirements:

- Good communication skills; and
- Basic arithmetic skills

TRAINER'S QUALIFICATIONS FOR FISH CONSTRUCTION AND MAINTENANCE

- Must have two (2) years industry experience relevant to net construction and maintenance within the last five (5) years.
- Must have training of trainers certificate **OR** must be a practicing trainer for 2 years within the last 5 years.

LIST OF TOOLS, EQUIPMENT AND MATERIALS

FISH CONSTRUCTION AND MAINTENANCE LEVEL II

Recommended list of tools and materials for the training of 25 trainees for NET CONSTRUCTION AND MAINTENANCE LEVEL II

A. FOR WEAVING

Project Output: L- 5M x W4.5ft with mesh size- Down: 50 Meshes; Length:110 Meshes

Type of Fishnet	Tools		Materials	
	Qty.	Unit	Qty.	Unit
Surface Gillnet	50 pcs (2pcs/trainee)	Net needle	18.75kgs (1/4kgs/trainee)	Monofilament twine# 150 (for hanging)
	25 pcs	Net cutter	1/4kgs	monofilament net twine #025
	25 pcs	Mesh gauge	10 pcs	rubber floats #5
			1/8kgs/trainee	lead sinker #XX
			1 roll	Polyethylene rope#6
			1 roll	Polyethylene rope #10
			1 roll	multifilament twine #40 (for tying)
Drift Gillnet	50 pcs (2pcs/trainee)	Net Needle - #4	5 spools/trainee	Multifilament twine #18
	25 pcs	Net cutter - #4	1 roll	Polyethylene rope #3 (for net line)
	25 pcs	Mesh gauge	1 roll	Polyethylene rope #4 (for hanging line)

	25 pcs	Meter stick	1 roll	Polyethylene rope #5(for float line)
	25 pcs	Steel tape	18.75kgs (1/4kgs/trainee)	Rubber float (1ftx1/2thickness)
Bottom Set Gillnet	50 pcs (2pcs/trainee)	Net Needle - #4	18.75kgs (1/4kgs/trainee)	Nylon Twine #150 (for main line)
	25 pcs	Net cutter - #4	1/8kg/ trainee	Nylon Twine #60 (for tying main and sinker line)
	25 pcs	Mesh gauge	18.75kgs (1/4kgs/trainee)	Monofilament nylon twine #040 – (for netting)
	25 pcs	Meter stick	7pcs/ trainee	Rubber float - #4 (cylindrical)
	25 pcs	Steel tape	14 pcs/ trainee	Lead Sinker - #XX (cylindrical)
	25 pcs	Netting roller	1 roll	Polyethylene Rope #6 (for net ribs)
			1 roll	Polyethylene Rope #10 – flagpole marker and sinker line
Purse Seine Net (Drift)	50pcs	Net Needle - #4	6 pools/trainee	Multifilament twine #18
	25pcs	Net cutter - #4	1 roll	Polyethylene rope #3 (for net line)
	25pcs	Mesh gauge	1 roll	Polyethylene rope #4 (for hanging line)
	25pcs	Meter stick	1 roll	Polyethylene rope #5(for float line)
	25pcs	Steel tape	18.75kgs (1/4kgs/trainee)	Rubber float (1ftx1/2thickness)
			75pcs (3pcs/trainee)	Stainless ring (1" D)

B. FOR ASSEMBLING

Type of Fishnet	Tools		Materials	
	Qty.	Unit	Qty.	Unit
Surface Gillnet	50 pcs (2pcs/trainee)	Net needle	1 bundle	Readymade net with mesh size of #8.5 and twine size of #0.25
	25 pcs	Net cutter	18.75kgs (1/4kgs/trainee)	Monofilament twine# 150 (for hanging)
	25pcs	Mesh gauge	10 pcs	Rubber floats #5
			1/8kgs/trainee	Lead sinker #XX
			1 roll	Polyethylene rope#6
			1 roll	Multifilament twine #40 (for tying)
Drift Gillnet	50 pcs (2pcs/trainee)	Net needle	1 bundle	Readymade net with mesh size of #4 and twine size of #18

	25 pcs	Net cutter	1 roll	Polyethylene rope #3 (for net line)
	25pcs	Mesh gauge	1 roll	Polyethylene rope #4 (for hanging line)
	25pcs	Meter stick	18.75kgs (1/4kgs/trainee)	Rubber float (1ftx1/2thickness)
	25pcs	Steel tape		
Bottom Set Gillnet	50 pcs (2pcs/trainee)	Net needle	1 bundle	Readymade net with mesh size of #4 and twine size of #040
	25 pcs	Net cutter	18.75kgs (1/4kgs/trainee)	Nylon Twine #150 (for main line)
	25pcs	Mesh gauge	1/8kg/trainee	Nylon Twine #60 (for tying main and sinker line)
	25pcs	Meter stick	7 pcs	Rubber float - #4 (cylindrical)
	25pcs	Steel tape	1 pc	Lead Sinker - #XX (cylindrical)
	1 pc	Netting roller	1 roll	Polyethylene Rope #6 (for net ribs)
			1 roll	Polyethylene Rope #10 – flagpole marker and sinker line
Purse Seine Net (Drift)	50pcs	Net Needle - #4	1 bundle	Readymade net with mesh size of #4 and twine size of #18
	25pcs	Net cutter - #4	1 roll	Polyethylene rope #3 (for net line)
	25pcs	Mesh gauge	1 roll	Polyethylene rope #4 (for hanging line)
	25pcs	Meter stick	1 roll	Polyethylene rope #5(for float line)
	25pcs	Steel tape	18.75kgs (1/4kgs/trainee)	Rubber float (1ftx1/2thickness)
				Stainless ring (1" D)

GLOSSARY OF TERMS

Cast nets	catches fish through casting
Catching principles of nets	refers to the different ways of catching fish using fishnets
Float line	holds the floater
Gill net	catches fish through gilling
Joining	refers to assembling of fishnets
Knot	refers to the eye of the net
Main line	refers to the line attached to mesh on the upper portion of the net
Materials	refers to the main things used in net weaving
Mesh gauge	refers to the spacer used to ensure uniformity of size
Net design	refers to a plan, drawing or pattern produced to show the look and function of net
Net specifications	detail description of the design and materials to be used in net making
Purse seine net	catches fish through impounding
Secondary line	refers to the line attached to mesh on the bottom portion of the net
Sinker line	holds the sinker
Slack (Homon)	refers to looseness of nets
Supplies	support consumables
Tanning	refers to coloring of twine

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