Reference No.																	

SELF-ASSESSMENT GUIDE

Qualification	**AQUACULTURE (TILAPIA CULTURE) NC II**
Certificate of Competency (COC 2)	**PERFORM TILAPIA GROW-OUT OPERATION**
Units of Competencies Covered	• Conduct pre-operational aquaculture activities • Perform tilapia grow-out
Instruction: • Read each question and check the appropriate column to indicate your answer.	

Can I?	YES	NO
CONDUCT PRE-OPERATIONAL AQUACULTURE ACTIVITIES for Tilapia Grow-out Operation		
• Clean needed tools and equipment		
• Inspect and repair or replaces nets (if any)		
• Calibrate equipment following manufacturer's manual (if needed) *		
• Compute quantity of farm inputs according to work requirements		
• Inspect and disinfect nets		
• Prepare aquaculture facilities (ponds and tanks); and set-up cage *		
• Install screens to prevent entry of unwanted organisms *		
• Demonstrate preparation of pond by liming, fertilizing, tilling and drying processes *		
• Check conditions (ex. water holding capacity, optimum pH of soil and water, presence of unwanted organisms) of aquaculture facilities *		
• Install cages/structures with its components *		
• Discuss measures against extreme weather conditions		
• Practice proper storage of tools, equipment and farm inputs		
PERFORM TILAPIA GROW-OUT		
• Discuss the quality (uniformity of size, ideal size and behaviour) of fingerlings		
• Calculate and discuss number of fingerlings required based on culture intensity and area *		
• Calculate the number of fingerlings by averaging actual counts based on samples		
• Demonstrate conditioning (acclimation) of fingerlings to receiving water environment prior to stocking		
• Determine average body weight (ABW) of fishes and biomass based on the given raw data *		
• Compute daily feed ration and feed conversion ratio (FCR), based on biomass *		

• Identify factors to be considered when monitoring feed consumption	2	
• Check feed quality in terms of physical characteristics		
• Discuss water quality parameters based on fish behavior, water color and transparency		
• Discuss interventions to maintain optimum water quality *		
• Identify diseases based on appearance or symptoms		
• Discuss how to determine the presence of diseases or poor environment condition and recommends treatment or preventive measures		
• Discuss proper disposal of dead fish following good aquaculture practices		
• Perform harvesting of fish from pond *		
• Classify fish by size		
• Discuss how to prepare fish for live market transporting		
• Prepare fish for chilled market		
• Prepare a stock monitoring form and feed monitoring form *		
• Practice safety and health while performing tasks		
I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name and Signature		**Date**

NOTE: *Critical aspects of competence*