

Reference No.																			
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**SELF-ASSESSMENT GUIDE**

Qualification	<b>AQUACULTURE (HATCHERY OPERATION) NC II</b>																	
Certificate of Competency (COC 2)	<b>Conduct broodstock management and spawning</b>																	
Units of Competency Covered	<ul style="list-style-type: none"> <li>• Conduct preparatory activities</li> <li>• Conduct broodstock management and spawning</li> </ul>																	
<b>Instruction:</b> Read each question and check the appropriate column to indicate your answer.																		
<b>Can I?</b>																	<b>YES</b>	<b>NO</b>
<b>CONDUCT PREPARATORY ACTIVITIES</b>																		
• Clean and disinfect culture tanks *																		
• Install screen on drainage pipe or filter bags in water inlet, and aeration system *																		
• Prepare tools/materials, etc needed for hatchery activities																		
• Inspect and calibrate water quality monitoring instruments																		
• Check functionality of existing hatchery facilities/system (water line, aeration, filter system, etc) and performs minor repairs (if necessary)*																		
• Identify major breakdown of facility that needs to be reported																		
• Perform chlorine testing of water																		
• Practice safety measures in performing tasks																		
<b>CONDUCT BROODSTOCK MANAGEMENT AND SPAWNING</b>																		
• Identify reputable sources of future brood stocks *																		
• Demonstrate marking of brood stock (tagging and clipping) *																		
• Segregate broodstock/breeders according to sex *																		
• Transfer ready to spawn broodstock to spawning tanks/ponds																		
• Stocks breeders with immature eggs to ponds *																		
• Identify pre-spawning activities																		
• Apply spawn induction techniques based on the species requirement *																		
• Estimates hatching rates and assess quality of spawns based on industry practice *																		
• Identifies stock breeders that need conditioning *																		
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.																		
<b>Candidate's Name and Signature</b>																	<b>Date</b>	

**NOTE: \*Critical aspects of competence**