



## RISK ASSESSMENT

<b>Activity Category:</b>	<b>Waterborne – Powerboat</b>	<b>Reference Documents/Comments</b>
<b>Sub Activities:</b>	<ul style="list-style-type: none"><li>- Maintenance</li><li>- Ferrying</li><li>- Power Boating and Offshore Cruising</li></ul>	IBOS SOP's
<b>Risk Assessment Ref No:</b>	RA01	
<b>Risk Assessment Type:</b>	GENERIC	
<b>Date of Assessment:</b>	Tuesday, 31 December 2024	<b>Location:</b> Derwenthaugh Regional Boating Station
<b>Review Frequency:</b>	ANNUAL	Unit or Site specific
<b>Next Review Date:</b>	Tuesday, 31 March 2026	

Activity Category- Sub Activities	<b>Hazards</b> <i>(something with a potential to cause harm)</i>	<b>Consequences</b> <i>Likelihood/Severity</i>	<b>Who and/or What is at risk</b>	<b>Control Measures (CM)</b> <i>Practical and evidence based, including assurance activities.</i> <i>New CMs required in <b>RED</b> Text:</i>
Strategic (Covers all sub activities)	Undertaking Waterborne Proficiencies without due diligence and risk mitigation processes	Undertaking activities with poor management leading to significant risks: - Injury - Ill health - Reputational - Legal	MSSC Organisation CFAV Cadets Public Emergency services	<ul style="list-style-type: none"> <li>- List key procedural documents</li> <li>- List assurance activities</li> </ul>
Whole Body Vibration/	Ongoing muscular/Skeletal Injuries through regular or prolonged high speed / rough weather powerboating (helm and crew)	Damage to muscles, joints and bones, both short and long term.	Participants and Instructors	<ul style="list-style-type: none"> <li>- Activity conducted under supervision of certificated Instructors</li> <li>- In accordance with 13.6.2 Whole Body</li> <li>- Vibration mitigation</li> <li>- Planned maintenance</li> <li>- Activities speed and duration limited due to nature of training (Short term)</li> <li>- Passage making craft provide fixed forward-facing seats (RYA Intermediate Power)</li> </ul> IBOS PB L2 Student Information sheet
Mechanical and electrical checks	Moving parts Hot to Touch parts Chemicals Electrical risks	Burns Cuts or lacerations Dermatological damage Electric shock (low level 12v)	Participants and Instructors	<ul style="list-style-type: none"> <li>- Conducted by a competent person (IBOS 6.3 Equipment Maintenance), supported by Planned Maintenance Guidance (IBOS 6.3.3) Site Specific Instructions</li> <li>- Use of contractors in accordance with IBOS 6.3 &amp; 6.3.3</li> <li>- Craft carry fire extinguishers in accordance with IBOS checklists and IBOS 13.6.1 Fire Extinguishers</li> <li>- IBOS 6.8.1 – Safe Handling of Fuel</li> </ul>

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Fuelling, Oils and Fluids	Flammable Liquids Hot Liquids Dermatological risks Fumes	Fire/Burns Skin damage Breathing fumes	Participants and Instructors	<ul style="list-style-type: none"> <li>- IBOS 6.3 (Equipment Maintenance) Conducted by a competent person Fuelling procedures as per IBOS 6.8 – 6.8.4, In accordance with Site Specific Instructions Personal protective equipment Fire risk assessment for site to be reviewed accordingly</li> <li>- COSHH RA to be completed</li> <li>- Craft carry fire extinguishers in accordance with IBOS checklists and IBOS 13.6.1 Fire Extinguishers</li> <li>- IBOS 6.8.1 – Safe Handling of Fuel</li> <li>- <b>SOP,s</b></li> </ul>
Ferrying	Loading boat to Capacity Lack of visibility for Helm Not enough seating Reduced manoeuvrability	Collisions MOB Injuries to passengers	All participants on board Crew of other craft (including public)	<ul style="list-style-type: none"> <li>- Supervision in accordance with IBOS 5.2 (Outline of Supervision Requirements), 5.2.1 (Definitions of Supervision Requirements), 13.1 (Instructor Ratios (Powerboat)) and 13.2 (Instructor Qualification Remit) and by competent/certificated instructors as per IBOS 8.0</li> <li>- Appropriate Water Safety Equipment</li> <li>- Use of Dual Kill Cords Standards and</li> <li>- Expectations Document</li> <li>- Clarification on Acceptable standing in Powerboats Standards and Expectations Application of IRPCS including keeping a good look out and Safe Speed</li> </ul>

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Beginner Tuition	Lack of understanding/awareness Poor/incorrect reactions	Collisions MOB Injuries to those on board	Participants and Instructors other water users	<ul style="list-style-type: none"> <li>- Supervision in accordance with IBOS 5.2 (Outline of Supervision Requirements), 5.2.1 (Definitions of Supervision Requirements), 13.1 (Instructor Ratios (Powerboat)) and 13.2 (Instructor Qualification Remit) and by competent/certificated instructors as per IBOS 8.0</li> <li>- Appropriate Water Safety Equipment</li> <li>- Prerequisites for attendees as per Course Catalogue</li> <li>- Use of Dual Kill Cords (IBOS 13.5)</li> <li>- Application of IRPCS including keeping a good look out and Safe Speed</li> </ul>
Planing Speed Powerboat Handling	High Speed Reduced thinking time Collisions Craft overtaking Propellor strikes MOB Risk Muscular/Skeletal injuries Exposure	Collisions MOB - Drowning Impact injuries Injuries to those on board or in another craft	Participants and Instructors other water users	<ul style="list-style-type: none"> <li>- Supervision in accordance with IBOS 5.2 (Outline of Supervision Requirements), 5.2.1 (Definitions of Supervision Requirements), 13.1 (Instructor Ratios (Powerboat)) and 13.2 (Instructor Qualification Remit) and by competent/certificated instructors as per IBOS 8.0</li> <li>- Appropriate Water Safety Equipment</li> <li>- Use of Dual Kill Cords (IBOS 13.5)</li> <li>- Clarification on Acceptable standing in IBOS 5.11 (Use of a powerboat in a Training Environment)</li> <li>- Application of IRPCS including keeping a good look out and Safe Speed</li> </ul>
Safety Boat Operation	Equipment in water People in water Risk to crew when	Collisions MOB Injuries to those on	Participants and Instructors other water users	<ul style="list-style-type: none"> <li>- Supervision in accordance with IBOS 5.2 (Outline of Supervision Requirements), 5.2.1 (Definitions of Supervision Requirements),</li> </ul>

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	recovering craft/personnel Tight manoeuvring spaces Wet crew - Exposure	board and in the water Damage to boat and equipment Hypothermia	participants being rescued	<ul style="list-style-type: none"> <li>- 13.1 (Instructor Ratios (Powerboat)) and 13.2 (Instructor Qualification Remit) and by competent/certificated instructors as per IBOS 8.0</li> <li>- Appropriate Water Safety Equipment</li> <li>- Use of Dual Kill Cords (IBOS 13.5)</li> <li>- Clarification on Acceptable standing in IBOS 5.11 (Use of a powerboat in a Training Environment)</li> <li>- Application of IRPCS including keeping a good look out and Safe Speed</li> <li>- Fully equipped acting as Safety Boats as per IBOS Checklist</li> <li>-</li> </ul>
Passage Making	Risk of Collisions - meeting other craft and/or shipping MOB Risk Fatigue Benightment Loss of bearings Exposure	Collisions MOB - Drowning Impact injuries Injuries to those on board or in another craft Hypothermia Hyperthermia	Participants and Instructors other water users Emergency Services	<ul style="list-style-type: none"> <li>- Supervision in accordance with IBOS 5.2 (Outline of Supervision Requirements), 5.2.1 (Definitions of Supervision Requirements), 13.1 (Instructor Ratios (Powerboat)) and 13.2 (Instructor Qualification Remit) and by competent/certificated instructors as per IBOS 8.0</li> <li>- Appropriate Water Safety Equipment</li> <li>- Fully equipped acting as Safety Boats as per IBOS if acting as support vessel</li> <li>- Prerequisites for attendees as per Course Catalogue</li> <li>- Course Organisers to complete Extended Area of Operations request per activity</li> <li>- Application of IRPCS including keeping a good look out and Safe Speed</li> </ul>

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Launch and Recovery of powerboats on road trailers	Risk of being run over Use of vehicles Water's edge Slip and fall risk on slipways Improperly secured boat on trailer	Crushing injuries Drowning Damage to equipment <b>Injuries caused by slips and trips</b>	Participants and Instructors	<ul style="list-style-type: none"> <li>- Activity only conducted either as part of Site-Specific Instructions or part of RYA Training Course</li> <li>- Manual handling Training DLE or T&amp;A Safety page)</li> <li>- Vehicles taxed and insured and driven by licensed and competent driver</li> <li>- Supervised by a certificated instructor if run as a training exercise.</li> <li>- <b>SOP's</b></li> </ul>

ACCEPTANCE AND AUTHORISATION	Name	Role/Post	Date
Assessor	A Simpson	Principal	30/12/2024
Controls agreed by:	D Finlay	Chief Instructor	07/01/2025
	A Simpson	Chairman	31/12/2024
Additional/Exceptional controls implemented by?			