

Advanced Jet Ski Rescue Driver Certificate

#E/IRB/AJSRDC/1210

- 1 Aim
To assess and certify the candidate in rescue jet ski operation, maintenance, repair, self-rescue in rollover, rescue in adverse sea condition and physical fitness to be a high competence rescue jet ski lifeguard.
- 2 Reward
A certificate
- 3 Pre-requisite (mandatory to hold all followings)
 - 3.1 Be a member of a current affiliated club of HKLSS;
 - 3.2 Be a minimum of 19 years of age at the date of the assessment;
 - 3.3 Hold a valid HKLSS Jet Ski Rescue Driver Certificate or equivalent;
 - 3.4 Hold a valid HKLSS Open Water Lifeguard Award or equivalent;
 - 3.5 Hold a valid HKLSS Skin Diving Award or equivalent;
 - 3.6 Hold a valid HKSAR Government issued Pleasure Vessel Operator Certificate of Competency or equivalent;
 - 3.7 Hold a valid HKSAR Government issued Driving License
 - 3.8 Complete a HKLSS recognized Advanced Jet Ski Rescue Driver Certificate Training or equivalent;
 - 3.9 Produce a log of practical experience at the candidate's HKLSS personal log book to show a minimum of 5 times and 20 hours relevant IRB services.
- 4 Examiner
One HKLSS Grade 3 or above IRB Examiner or IRB Assessor.
- 5 Equipment
HKLSS recognized Rescue Jet Ski with sled, Rescue Canoe, Radio.
- 6 Examination Procedures
 - 6.1 Part A (Written Test)
This part consists of multiple choice questions including the contents of rescue jet ski operation, maintenance, repairing, rescue skills and navigation knowledge.
(1 mark for each correct answer, total 50 questions, passing mark is 40, time limit 50 minutes), includes:
 - 6.1.1 Demonstrate knowledge of general safety requirements
 - 6.1.1.1 Personal protective clothing and equipment;
 - 6.1.1.2 Launching, retrieval and operating;
 - 6.1.1.3 Prevention of accidental or unauthorized starting of rescue jet ski.
 - 6.1.2 Demonstrate knowledge of the navigation rules and regulations of the waterway in which the rescue jet ski will normally be used;
 - 6.1.3 Demonstrate knowledge of the jet ski's engine, its construction, components, associated equipment and maintenance needs;

- 6.1.4 Demonstrate knowledge of the safety requirements when operating a engine;
 - 6.1.5 Demonstrate dry land simulated driving;
 - 6.1.6 Demonstrate knowledge of local weather and prevailing conditions in the normal operating area for the rescue jet ski;
 - 6.1.7 Demonstrate knowledge of incident reporting systems;
 - 6.1.8 Demonstrate knowledge in the use of log books;
 - 6.1.9 Demonstrate the knowledge of the use of radios including their basic maintenance.
- 6.2 Part B (Physical Fitness Test)
Run-Swim-Run at a beach within 8 minutes
- 6.2.1 Run 200m;
 - 6.2.2 Enter water by wading and porpoising;
 - 6.2.3 Swim 100m to a buoy and return;
 - 6.2.4 Run 200m.
- 6.3 Part C (Practical Test)
- 6.3.1 Rescue Jet Ski Pre-launch (Boat Ramp or Beach)
 - 6.3.1.1 Maintenance and safety gear check including trailer;
 - 6.3.1.2 Check “start” rescue jet ski;
 - 6.3.1.3 Transport rescue jet ski to launch destination;
 - 6.3.1.4 Identify any hazards at launch area;
 - 6.3.1.5 Remove rescue jet ski from trailer;
 - 6.3.1.6 Moor or secure rescue jet ski in readiness for use.
 - 6.3.2 Rescue Jet Ski Drive and Operate
 - 6.3.2.1 Identify “safe zone” path to enter and return;
 - 6.3.2.2 Enter and exit “Surf Zone” or “Shore Break”;
 - 6.3.2.3 Reverse and quick stop;
 - 6.3.2.4 Turn;
 - 6.3.2.5 Plan and parallel run;
 - 6.3.2.6 Wave judgement;
 - 6.3.2.7 Precision drive;
 - 6.3.2.8 Board and start in deep water;
 - 6.3.2.9 Return to shore and beach.
 - 6.3.3 Rescue Jet Ski Communications
 - 6.3.3.1 Communicate to shore or rescue base;
 - 6.3.3.2 Communicate with other craft.
 - 6.3.4 Rescue Jet Ski Search
 - 6.3.4.1 Search patterns;
 - 6.3.4.2 Weather conditions (wind, current drifts);
 - 6.3.4.3 Time factors (fuel reserves, crew fatigue, approaching darkness);
 - 6.3.4.4 Available back up rescue units;
 - 6.3.4.5 Search an unconscious victim with a rescue jet ski in the area of 100m radius;

- 6.3.4.6 Lift the unconscious victim from 2m depth water to the rescue sled;
 - 6.3.4.7 Demonstrate care of the victim in the rescue sled;
 - 6.3.4.8 Demonstrate the driver's and crew's role in victim transportation from the rescue jet ski to shore and safety.
- 6.3.5 Rescue Jet Ski Rescue
(Candidate is required to demonstrate both driver's and crew's roles)
Perform rescues, safe approach and determine victim recognition in conditions that are highly applicable area of operation.
- 6.3.5.1 Crew drop off and pick up;
 - 6.3.5.2 Conscious victim pick up;
 - 6.3.5.3 Unconscious victim pick up;
 - 6.3.5.4 Multiple two person pick up – conscious victims;
 - 6.3.5.5 Mass rescue – 3 conscious patients (1 victim severely injured);
 - 6.3.5.6 Pick up near rocks or obstacles;
 - 6.3.5.7 Transfer victims to shore/beach;
 - 6.3.5.8 Throw a rescue line or towrope;
 - 6.3.5.9 Pick up object;
 - 6.3.5.10 Transfer victims to rescue boat.
- 6.3.6 Rescue Jet Ski Emergency
Trouble shooting and emergency procedures.
- 6.3.6.1 Rescue jet ski capsize procedures;
 - 6.3.6.2 Rescue jet ski submerged procedures;
 - 6.3.6.3 Re-start engine;
 - 6.3.6.4 Clear weed or debris from jet intake or impeller in deep water;
 - 6.3.6.5 Tow procedures for inoperative rescue jet ski and other disabled craft with a rescue jet ski.
- 6.3.7 Rescue Jet Ski Retrieve and Maintenance
- 6.3.7.1 Secure beach or ramp retrieval area;
 - 6.3.7.2 Identify hazards at retrieval area;
 - 6.3.7.3 Load and secure rescue jet ski to trailer;
 - 6.3.7.4 Show knowledge of rescue jet ski operating manuals;
 - 6.3.7.5 Engine flushing and preventative maintenance;
 - 6.3.7.6 Final rescue jet ski and engine checks;
 - 6.3.7.7 Equipment, sled and gear checks;
 - 6.3.7.8 Storage – regular and recess periods;
 - 6.3.7.9 Manufacturers servicing requirements;
 - 6.3.7.10 Re-fuel rescue jet ski;
 - 6.3.7.11 Readiness for use.
- 6.3.8 Rescue Jet Ski and Canoe Rescue
- 6.3.8.1 Lookout a capsized rescue canoe at offshore beach;
 - 6.3.8.2 Response the hand signal from the canoe lifeguard;
 - 6.3.8.3 Lift a conscious victim from the rescue canoe to a rescue jet ski;

6.3.8.4 Transport the victim to shore.

☞ End ☞