

## Advanced Inflatable Rescue Boat Driver Certificate

#E/IRB/AIRBC/1210

- 1 Aim  
To assess and certify the candidate in IRB operation, maintenance, repair, self-rescue in IRB rollover, rescue in adverse sea condition and physical fitness to be a high competence IRB 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 IRB 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 Pleasure Vessel Operator Certificate of Competency or equivalent;
  - 3.7 Complete a HKLSS recognized Advanced IRB Driver Certificate Training or equivalent;
  - 3.8 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 IRB, Rescue Canoe, Radio.
- 6 Examination Procedures
  - 6.1 Part A (Written Test or Land Test)  
This part consists of multiple choice questions including the contents of IRB 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 and use of two-way radio;
    - 6.1.2 Demonstrate knowledge of the navigation rules and regulations of the waterway in which the boat will normally be used;
    - 6.1.3 Demonstrate knowledge of the IRB'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 IRB;
    - 6.1.7 Demonstrate knowledge of incident reporting systems;
    - 6.1.8 Demonstrate knowledge in the use of log books.

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 IRB Operation

- 6.3.1.1 Demonstrate competence in all aspects of the driver's and crew's responsibilities in the launching, maneuvering and recovery of the IRB;
- 6.3.1.2 Demonstrate competence in starting the engine, running the engine, stopping the engine and diagnosing starting difficulties;
- 6.3.1.3 Engine Ignition and aboard with the entry method assigned by the Examiner;
- 6.3.1.4 Run an IRB straight forward with high speed;
- 6.3.1.5 Stop an IRB sharp at the point assigned by the Examiner;
- 6.3.1.6 Maneuver an IRB in a figure-of-eight with three cycles;
- 6.3.1.7 Demonstrate the accurate laying, adjustment and recovery of buoys and anchors;
- 6.3.1.8 Demonstrate the knowledge of the use of radios including their basic maintenance.

6.3.2 IRB Rescue

(Candidate is required to demonstrate both driver's and crew's roles)

- 6.3.2.1 Demonstrate the driver's and crew's role whilst performing the following rescues, during which the crew must demonstrate an ability to recover a victim, weighing approximately 70kg into the IRB from the water;
- 6.3.2.2 Engine Ignition and aboard with the entry method assigned by the Examiner;
- 6.3.2.3 Rescue a conscious, an unconscious, injured and 2 conscious victims with an IRB at 100m away from shore, in adverse and deep water condition;
- 6.3.2.4 Lift the victim from the water into the IRB;
- 6.3.2.5 Demonstrate care of the victim in the IRB and effective CPR, where the IRB design permits, inside the IRB while stationary;
- 6.3.2.6 Demonstrate the driver's and crew's role in victim transportation from the IRB to shore and safety.

6.3.3 IRB Search

(Candidate is required to demonstrate both driver's and crew's roles)

- 6.3.3.1 Search an unconscious victim with IRB in the area of 100m radius;
- 6.3.3.2 Lift the unconscious victim from 2m depth water to an IRB;

- 6.3.3.3 Demonstrate care of the victim in the IRB and effective CPR, where the IRB design permits, inside the IRB while stationary;
- 6.3.3.4 Demonstrate the driver's and crew's role in victim transportation from the IRB to shore and safety.
- 6.3.4 IRB Towing
  - 6.3.4.1 Demonstrate the correct towing technique for a disable IRB and other disabled craft with an IRB.
- 6.3.5 IRB Emergency
  - Demonstrate the ability to cope with the following emergency situations.
  - 6.3.5.1 Crew overboard;
  - 6.3.5.2 Engine failure in operational conditions;
  - 6.3.5.3 Simulated puncture of IRB;
  - 6.3.5.4 Rollover procedure for IRB; simulated rollover to be carried out without engine attached to IRB.
- 6.3.6 IRB and Canoe Rescue
  - 6.3.6.1 Lookout a capsized rescue canoe at offshore beach;
  - 6.3.6.2 Response the hand signal from the canoe lifeguard;
  - 6.3.6.3 Lift a conscious victim from the rescue canoe to an IRB;
  - 6.3.6.4 Transport the victim to shore.
- 6.3.7 IRB Maintenance
  - 6.3.7.1 Demonstrate knowledge of the driver's and crew's responsibilities towards cleaning and stowage of the IRB and engine after use;
  - 6.3.7.2 Demonstrate knowledge of the driver's and crew's responsibilities towards the routine maintenance of the engine including carburettor, igniter, air inlet, fuel injection.

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