



ANNEXURE C

Vessel Ability to Survive Flooding (Regulation 6)

A flooding test was conducted by opening the aft drains with the vessel fully loaded. With the vessel so flooded, the vessel remained afloat with positive transverse stability i.e. It did not capsize.

Surveyor Signature:..... Date:.....

Vessel ability to survive swamping (Regulation 6)

A swamp test was conducted by sealing all scuppers and filling the vessel with water to the top of the gunwale with the vessel in a fully loaded condition. With the vessel so flooded, the vessel remained afloat with positive transverse stability i.e. It did not capsize.

Surveyor Signature:..... Date:.....

Conclusion and Comments

1. The ratio of vessel Buoyancy to Maximum Weight is in excess of 60% (64.2%).

2. The additional buoyancy aft provides additional buoyancy to counter the engine weights.

3. The vessel is longitudinally divided along its length by "laaitjies". These divisions must not be removed when the vessel is at sea.

Approval and Operation

This vessel is approved for operations at sea from a designated safe launching site and limited to a maximum of 15 miles offshore (category C) provided that 2 outboard engines are fitted. The vessel is not approved for surf launching due to lack of deck drainage.

Surveyor

Signature..... Date:.....

- NR: 1. This floatation certificate will remain valid for the duration of the vessels life provided that no modifications are carried out on the vessel and that the vessel's light weight does not increase by more than 50%.

2. This floatation certificate must be kept on board the vessel when it proceeds to sea and must be presented to the surveyor at the time of survey or whenever called for by an authorized person.

REQUIREMENTS IN RESPECT OF CERTIFICATES OF FITNESS ISSUED BY THE SOUTH AFRICAN DEEP SEA ANGLING ASSOCIATION

in terms of Regulation 21 of the Merchant Shipping (Small Vessel Safety) Regulations, 2002, in respect of unregistered pleasure vessels (non-commercial) under 100GT

CATEGORY 'R' ESTUARY & INTERNAL WATERS

- 1 Life jacket, with a whistle attached to it, for each person on the boat.
- A suitable anchor for area.
- Anchor chain of 3m of 6mm galvanised chain for vessels less than 6m.
- Anchor chain of 5m of 6mm galvanised chain for vessels more than 6m.
- The anchor rope must be at least 50m of 10mm braided nylon or suitable other
- One 1.5kg dry powder fire extinguisher per motor. These extinguishers also have to be serviced once a year.
- A capsize rope, one and a half times the length of the boat
- For night operation, the boat must be equipped with navigation lights and an all round white light.
- Suitably bailing device (galvanised bucket)
- Step down cabin boats to be fitted with suitable bilge pump
- A minimum of 2 litres of fresh water
- A suitable paddle or oars
- Emergency/Alternative Steering
- Inflatables to have air bellows and repair kit
- A tool kit containing: Spark plug spanner, two screwdrivers, pliers, water pump pliers, adjustable wrench, starter motor cord, jumper cables and a tow rope.
- The following spares: Set of spark plugs for the outboard motor and spare engine fuses.
- A valid certificate of competency (April 2004)
- Registration number of both sides of the vessel/craft (100mm high)
- All safety equipment to be on board and marked with boat's number
- The boat trailer to be marked with boat's number and the owner's telephone number.
- Petrol tanks to be suitable and UN or SAMSAA approved.
- Bow eye and stern eye.
- Battery and fuel tank to be in separate compartments. No electrical cables or harness to be open and uncovered in fuel tank area.
- The boat must have buoyancy, whether it is foam or bottles. This is to enable the boat to stay afloat to form a platform for the crew to hang on to.
- A signed affidavit is required at present. From April 2004 it will be the owner's responsibility to prove buoyancy.

SAFETY EQUIPMENT CATEGORY "E" UP TO 1 NAUTICAL MILE TO SEA

- 1x water tight capsize bottle with lanyard the width of the boat attached to contain the following pyrotechnics & some equipment as may be required:
- 1x Unexpired Hand-held Red smoke marker.
- 1x Unexpired approved Projectile Flare set.
- 1x Suitable air bellows and repair kit
- 1x Approved life jacket or life vest per person on board.
- 1x 29 MHz Marine radio. Must be capable on operating A, B and C channels.
- Fire Extinguishers 1x per engine suitable, dry powder type 1.5kg dated and serviced by Fire appliance servicing agent.
- 1x Capsize Rope suitable for the type of craft.
- 1x Sea Anchor rigged for surf launching with trip rope and ready to use.
- 1x Anchor proper patented suitable for operating area.
- 1x 50m Suitable Anchor rope.
- 1x Suitable Chain not less than 5m in length for boats over 6m.
- 1x Suitable Chain not less than 3m in length for boats under 6m.
- Bow eye and Stern Eye.
- Suitable Scuppers
- Petrol tanks must be Red or UN approved in accordance with SAMSAA regulations.
- Spares Adequate for the purpose of carrying out emergency repairs to machinery and essential equipment on board.
- Tools as above i.e. for the purpose.
- All equipment to be marked with water repellent marker with registration number.
- Boat Trailer must be marked with owner's name, boat registration number and owners contact number.
- Emergency steering.
- Identity sheet (red, orange or yellow).
- Navigational lights (in accordance with International Regulations for night operations).
- Bucket (Bailing device).
- Paddles or oars (for single motor operations only).
- **Dive Boats**
- 1x Code Flag "A" (rigid)
- 1x Depth-sounding device or lead line.
- Grab-line fitted to outside of gunwales.
- **Personal Watercraft**
- The vessel is fitted with sufficient buoyancy to keep the vessel afloat for at least 24 hours
- Identification number must be permanently marked, not less than 75 mm in height and in contrasting colours on each side of the hull
- Every person to have an approved life jacket or approved flotation device
- The skipper or operator to hold a certificate of competency
- Vessel must be operated within the collision regulations
- Concentration of alcohol in a specimen of blood taken not to exceed 0.05 grams per 100 mg.
- An unexpired mini flare set to be carried on each person aboard.

**SAFETY EQUIPMENT
CATEGORY "D" UP TO 5
NAUTICAL MILES OUT TO SEA**

- 1x water tight capsized bottle with lanyard the width of the boat attached to contain the following:
- 2x Unexpired approved Red Hand Held Distress Flares.
- 2x Unexpired approved Red Rocket Parachute Flares.
- 1x Unexpired approved floating Orange Smoke Marker.
- 1x waterproof torch, batteries & spare globe (for night operations).
- 1x handheld 12v spotlight with own battery (for night operations).
- 2x Space Blankets.
- 1x Litre of drinking water per person
- 1x Approved First Aid kit with white cross on green background on container.
- 1x Approved life jacket or life vest per person on board.
- 1x 29 MHz Marine radio. Must be capable on operating on A, B and C channels.
- 1x Suitable Magnetic compass, which bearings can be taken. (Illuminated for night operations).
- Fire Extinguishers 1x per engine suitable, dry powder type 1.5kg dated and serviced by Fire appliance servicing agent
- 1x Capsized Rope suitable for the type of craft.
- 1x Sea Anchor rigged for surf launching with trip rope and ready to use.
- 1x Anchor proper patented suitable for operating area
- 1x 100m Suitable Anchor rope.
- 1x Suitable Chain not less than 5m in length for boats over 6m.
- 1x Suitable Chain not less than 3m in length for boats under 6m.
- Bow eye and Stern Eye.
- Anchor Ballard.
- Suitable Scuppers
- Petrol tanks must be Red or UN approved in accordance with SAMSAA regulations.
- Spares Adequate for the purpose of carrying out emergency repairs to machinery and essential equipment on board.
- Tools as above i.e. for the purpose.
- Inflatables to have suitable Air-bellows and repair kit.
- All equipment to be marked with water repellent marker with registration number.
- Boat Trailer must be marked, with owners name, boat registration number and owners contact number.
- Emergency steering.
- Identity sheet (red, orange or yellow).
- Navigational lights (in accordance with International Regulations for night operations)
- Bucket (Bailing device)
- Paddles or oars (for single motor operation only)
- **Dive Boats**
- 1x Code Flag "A" (rigid)
- 1x Depth-sounding device or hand lead line
- Grab line fitted to outside of gunwales.

**SAFETY EQUIPMENT
CATEGORY "B" UP TO 40
NAUTICAL MILES OUT TO SEA**

- 1x water tight capsized bottle with lanyard the width of the boat attached to contain the following:
- 4x Unexpired approved Red Hand Held Distress Flares.
- 4x Unexpired approved Red Rocket Parachute Flares.
- 1x Unexpired approved floating Orange Smoke Marker.
- 2x Space Blankets
- 1x waterproof torch, batteries & spare globe (for night operations).
- 1x handheld 12v spotlight with own battery (for night operations).
- 1x Litre of drinking water per person
- 1x Approved First Aid kit with white cross on green background on container.
- 1x Approved life jacket or life vest per person on board.
- 1x 29 MHz Marine radio. Must be capable of operating on A, B and C channels.
- 1x Suitable Magnetic compass, which bearings can be taken. (Illuminated for night operations).
- 1x Up to date Chart of the area, corrected in accordance with the South African Notices to Mariners, or renewed every six years.
- Fire Extinguishers 1x per engine suitable, dry powder type 1.5kg dated and serviced by Fire appliance servicing agent
- 1x Capsized Rope suitable for the type of craft.
- 1x Sea Anchor rigged for surf launching with trip rope and ready to use.
- 1x Anchor proper patented suitable for operating area.
- 1x 100m Suitable Anchor rope.
- 1x Suitable Chain not less than 5m in length for boats over 6m.
- 1x Suitable Chain not less than 3m in length for boats under 6m.
- Bow eye and Stern Eye.
- Anchor Ballard.
- Suitable Scuppers
- Petrol tanks must be Red or UN approved in accordance with SAMSAA regulations.
- Spares Adequate for the purpose of carrying out emergency repairs to machinery and essential equipment on board.
- Tools as above i.e. for the purpose.
- Inflatables to have Air-bellows and repair kit.
- All equipment to be marked with water repellent marker with registration number.
- Boat Trailer must be marked, with owners name, boat registration number and owners contact number.
- Emergency steering.
- Identity sheet (red, orange or yellow).
- Navigational lights (in accordance with International Regulations for night operations).
- Bucket (Bailing device)
- **Dive Boats**
- 1x Code Flag "A" (rigid)
- 1x Depth-sounding device or hand lead line
- Grab line fitted to outside of gunwales.

**SAFETY EQUIPMENT
CATEGORY "C" UP TO 15
NAUTICAL MILES OUT TO SEA**

- 1x water tight capsized bottle with lanyard the width of the boat attached to contain the following:
- 2x Unexpired approved Red Hand Held Distress Flares.
- 2x Unexpired approved Red Rocket Parachute Flares.
- 1x Unexpired approved floating Orange Smoke Marker.
- 1x waterproof torch, batteries & spare globe (for night operations).
- 1x handheld 12v spotlight with own battery (for night operations).
- 2x Space Blankets.
- 1x Litre of drinking water per person
- 1x Approved First Aid kit with white cross on green background on container.
- 1x Approved life jacket or life vest per person on board.
- 1x 29 MHz Marine radio. Must be capable of operating on A, B and C Channels
- 1x Suitable Magnetic compass, which bearings can be taken. (Illuminated for night operations).
- 1x Up to date Chart of the area, corrected in accordance with the South African Notices to Mariners, or renewed every six years.
- Fire Extinguishers 1x per engine suitable, dry powder type 1.5kg dated and serviced by Fire appliance servicing agent
- 1x Capsized Rope suitable for the type of craft.
- 1x Sea Anchor rigged for surf launching with trip rope and ready to use.
- 1x Anchor proper patented suitable for operating area
- 1x 100m Suitable Anchor rope.
- 1x Suitable Chain not less than 5m in length for boats over 6m.
- 1x Suitable Chain not less than 3m in length for boats under 6m.
- Bow eye and Stern Eye.
- Anchor Ballard.
- Suitable Scuppers
- Petrol tanks must be Red or UN approved in accordance with SAMSAA regulations.
- Spares Adequate for the purpose of carrying out emergency repairs to machinery and essential equipment on board.
- Tools as above i.e. for the purpose.
- Inflatables to have Air-bellows and suitable repair kit.
- All equipment to be marked with water repellent marker with registration number.
- Boat Trailer must be marked, with owners name, boat registration number and owners contact number.
- Emergency steering.
- Identity sheet (red, orange or yellow).
- Navigational lights (in accordance with International Regulations for night operations).
- Bucket (Bailing device)
- **Dive Boats**
- 1x Code Flag "A" (rigid)
- 1x Depth-sounding device or hand held lead line.
- Grab line fitted on outside of gunwales.