



Rescue Needs Assessment

Annex B Training Module



Learning Objective

The Rescue Swimmers/PROs will:

- demonstrate ability to effectively conduct a “Rescue Needs Assessment”:
- assess needs for:
 - training,
 - vessel specific procedures and practice,
 - vessel specific equipment and,
 - proper team and vessel configuration.





Section One - Readiness

This section will assist in determining readiness, experience, and capabilities of a crew to consider employing a Sailing Rescue Swimmer.



Using the Needs Assessment (Readiness)

Crew Training (Choose one)

5 points - 75% of crew is trained in SAS, has a trained 'Rescue Swimmer', all crew is trained in vessel specific COB procedures, has practiced COB upwind and down-wind both day and night, at least at 80% of max boat speed. Additionally, crew has sailed together on multiple occasions in most conditions.

4 points - 33% of crew is trained in SAS, has a trained 'Rescue Swimmer', some crew is trained in vessel specific COB procedures, has practiced COB.

3 points - crew has a trained 'Rescue Swimmer', all crew is trained in vessel specific COB procedures, has practiced COB.

2 points - Crew and some formal training

1 point - Crew is ad-hoc, hasn't been formally trained any COB or limited in numbers to safely maneuver the vessel.

Vessel Characteristics

4 points - high speed winches or powered, extra halyards, powered winches, slings, extra lines for tethers,

3 points - powered winches, extra halyards, slings, extra lines for tethers,

2 points - extra halyards, extra lines for tethers,

1 point - No Extra Halyards or Lines



Using the Needs Assessment (Readiness 2)

Vessel Equipment

5 points - Vessel has on the ready a) 'Rescue Swimmer PFD' (10 lbs buoyancy, manual inflation, reinforced attachment points, Multiple tethers, multiple knives, recovery straps), b) cold water mitigation, c) helmet, d) Radio, e) AIS. f) Harness

4 points - manual inflation PFD, offshore reinforced attachment points, Multiple tethers, multiple knives, cold water mitigation, helmet, Harness

3 points - manual inflation PFD, Offshore reinforced attachment points, tether,

2 points - Auto inflate PFD

1 point – nothing

Sea State (potential)

5 points - Calm, little to no current, light wind with excellent maneuverability of the vessel, sails not reefed, minimal crew needed to maneuver.


4 points - no white caps with no water washing the deck, manageable current, with good maneuverability of the vessel, no sails not reefed, minimal crew needed to maneuver.

3 points - Windy with occasional waves breaking, moderate current with only one reef, crew is managing but all hands needed at times.

2 points - Confused seas, strong current, limited maneuverability, breaking waves are expected once per every two minutes, two or more reefs vessel requires all hands for maneuvering.

1 point - Confused seas, strong current, limited maneuverability, bare poles, tri sail and or Storm jib, breaking waves are constant vessel requires all hands for maneuvering, vessel barely in control.





Section Two – Risk to Person in the Water

This section will assist in determining:

the risks to the Person in the Water



Section Two

– Risk to PIW

Level of Consciousness

5 points - nonresponsive

4 points - various levels of responsiveness

3 points - deteriorating responsiveness

2 points - attentive, mostly responsive but signs of distraction

1 point - fully aware

Physical Condition

5 points - No movement - drifting with no control of body position, no ability to assist in recovery

4 points - Very little movement - struggling to maintain posture facing the recovery vessel, drifting with no ability to assist in recovery

3 points - can move and assist somewhat in self recovery, maintaining control of body positions. primarily able to face the recovery vessel.

2 points - can swim with signs of fatigue and or some minimal restrictions, may need some assistance in climbing onto the recovery vessel

1 point - Can swim has no visible restriction and can fully assist in recovery.



Section Two

– Risk to PIW

(2)

Personal Protection Equipment

5 points - No floatation

4 points - Floatation device

3 points - PFD,

2 points - Full PFD, with Offshore

1 point - PFD, Legs Straps, Hood, Lights, AIS. Smoke

Proximity/Velocity

Due to the configuration of the vessel, there is an elevated risk of:

5 points - hitting the PIW, slowing the vessel near to the PIW may be impossible. Given the speed of the vessel: a) PIW WILL BE dragged, b) may not be able to hang onto attached devices or lines, c) because of the speed of approach the PIW although near misses a recovery line, and it WILL BE a 'first chance/last chance' situation.

4 points - hitting the PIW, slowing the vessel near to the PIW may be difficult. Given the speed of the vessel: a) PIW may be dragged, b) may not be able to hang onto attached devices or lines, c) because of the speed of approach the PIW although near misses a recovery line, and it may be a 'first chance/last chance' situation.

3 points - Stopping the vessel near to the PIW may be difficult or due to extenuating circumstances and/or draft/obstructions a 'first chance/last chance' situation.

2 points –Challenges to stopping the vessel are manageable

1 point – There are no unforeseen challenges to stopping the vessel near to the PIW.





Opportunity

Risk to Person in the Water Score _____ divide by 5 Average _____
Readiness Score _____ divide by 5 Average _____

Recommendation

The higher the score the greater the opportunity and need you may have to utilize a Sailing Rescue Swimmer.

4 - 5 = Conditions may be favorable of a successful and controlled rescue if the circumstances permit.

3 - 3.9 = Conditions may have a greater risk with some lesser amount of control

2.9 = and below conditions or necessity may not be conducive to rescue either the swimmer or PIW.

