

# Surf Rescue 30

## ORB CREW

## LEARNER GUIDE



**SURF LIFE SAVING**  
**NEW SOUTH WALES**

# SURF LIFE SAVING NSW

## Surf Rescue 30 vessel induction checklist & ORB Crew Learner Guide.

Date of induction(s): \_\_\_\_\_

Date of Assessment: \_\_\_\_\_

Vessel Type: 2400 Series Noosa Cat, twin x Yamaha 150 hp      Call Sign: Surf Rescue 30

To be completed by Endorsed ORB Assessor (NC2, TOC & Assessor Skill Set)

<b>Member Name &amp; DOB</b>			
<b>SLS Club</b>			
<b>Bronze Medallion</b>	Yes or No (Circle)		
<b>Silver Medallion Aquatic Rescue</b>	Yes or No (Circle)		
<b>AMSA Qualification</b> (must supply copy of licence)			
<b>Has completed min 2 x vessel AM patrols</b>	Date	Date	Date
<b>Has completed a min of 2 x vessel PM patrols</b>	Date	Date	Date

*I certify that the above-named member has successfully completed the vessel induction & ORB Crew training and assessment. SLSS/SLSNSW can assign on SurfGuard for the below award.*

ORB Crew

Name \_\_\_\_\_ Date \_\_\_\_\_

Qualification \_\_\_\_\_ Signature \_\_\_\_\_

<b>Vessel Documentation</b>	
Certificate of Survey (conditions)	
Vessel SMS (sighted and reviewed)	
Vessel information book	
Manuals (Furuno / Seats / technology etc.)	
Vessel Log	
Care and maintenance guide	
Maintenance Log	

<b>Safety Equipment</b>	
Lifejackets – how to wear	
EPIRBs	
Fire Buckets	
Flares	
Fire Extinguishers	
Life Ring and Light	
AIS / PLBs	
AED / O2 Kit	
Grab Bag	
Bilge Pump (Manual)	
Pump	
Ladder storage / use	
Fenders	
Lines	
Other	

<b>General Vessel Overview</b>	
<b>Hull</b>	
Scuppers	
Internal Hull Maintenance	
Wax, Polish and Care	
Bilge Systems	
Valves	
Watertight doors, hatches and bulkheads	
Hatches	
Bollards	
Bow Sprit operation	
Securing points	
Anchor well	
Anchor storage	
Anchor winch use	
Ladder storage / use	

<b>Aft Deck</b>	
Clearing Ports	
Flooring (Cleaning etc.)	
Access Doors	
Inspection Ports	
Storage locations	
Refuelling	
<b>Foredeck</b>	
Hatches	
Bollards	
Bow Sprit operation	
Securing points	
Anchor well	
Anchor storage	
Anchor winch use	
Devils Claw (anchor security underway)	
<b>Superstructure and Cabin</b>	
Livery	
Windows	
Access doors / hatches and operation	
Ventilation	
Forepeak (bunks / storage / access hatches)	
Handrails / Grab Rails	
Seat Operation	
Roof access (leave shut)	
Wrap / Livery maintenance	

<b>Electrical Operation</b>	
<b>Electrical / Batteries</b>	
Charging System	
Voltage Check	
Battery check	
Battery switches	
Switch Panels	
Digital Switching (Panel)	
Breakers	
<b>Communications</b>	
Radio Check VHF / DCN / SLS radio	
Mobile Phone	
Loudhailer	

Horn	
Other:	
<b>Lights</b>	
Internal Lights	
External Lights	
<b>Electronics</b>	
Digital Switching (MFD)	
RADAR	
FLIR	
AIS	
Yamaha Helm Master	
Alarms	
Lights (switching)	
Fans	
Compass	
Engine Gauges	
Fuel Gauges	
<b>Control Systems / Engines</b>	
Main engine start	
Throttle	
Trim/Tilt	
Steerage	
Tell tales / overboard discharges exhaust	
Service Scheduling	

<b>Vessel Handling</b>	
<b>General handling characteristics overview</b>	
Trailer launch and retrieval	
Trim systems (Trim tabs, engine trim)	
Gear / Throttle control	
Manoeuvring	
Fuel burn rates	
Wash / wake awareness	
Tow Post	
Berthing / mooring	
Grounding / foundering / collision / capsize / fire / MOB	

<b>Office use only</b>	
Copy filed in folder at shed	<input type="checkbox"/>
SMS register updated	<input type="checkbox"/>

## ORB CREW AWARD CANDIDATE SKILLS LOG AND TRAINING RECORDS

The ORB crew award has been developed to align with the requirements of the Marine Safety (Emergency service vessels) Exemption 24 2018 enacted by Michael Kinley, CEO of AMSAR.

The following Skills and Training Logbook identifies links between the ANSAR requirements for **Crew and Deckhand** as outlined in Schedules 1 and 2 of Exemption 24.

### Exemption 24, Scheme R

AMSAR Requirement	SLSNSW Link to AMSAR
Be at least 16 years old	Eligibility for ORB Crew Person must have attained 18 years of age
Meet medical and eyesight requirements determined by the VMR organisation	ORB Crew Person undergoes an annual fitness/proficiency test.
Meet the training requirements imposed by the VMR organisation	Surf Rescue 30 / SLSNSW has developed its internal training program for ORB Crew and has linked this training to AMSAR Section 6, Schedule 1 and 2 of Exemption 24

### Schedule 2, Requirement for master and crew, Section 1 - VMR Crew or deckhand

AMSAR Requirement	SLSNSW Link to AMSAR
HLTAID003 Apply First aid	Each ORB Crew member holds their SLS Bronze Medallion which includes UoC HLTAID010
MARF027 – Apply basic survival skills in the event of vessel abandonment	See SR30 SOP Abandon Ship Vessel, See SLSNSW SR30 Training Manual March 2022
MARF028 – Follow procedures to minimise and fight fires on board a vessel	See SR30 SOP Fire on Board, See SLSNSW SR30 Training Manual March 2022
MARF029 – Meet work health and safety requirements	See SLSNSW OH&S Policy (LS1), see SR30 SMS with regards OH&S, Incident and Hazard reporting, See SLSNSW SR30 Training Manual March 2022
MARN008 – Apply seamanship skills aboard a vessel up to 12 metres	See other SR30 Learning Outcomes with regard ORB Crew Certificate, See SLSNSW SR30 Training Manual March 2022
Radio operations appropriate for the operation of the vessel in its area of operation	See SLSA SOP Radio operations and SLSA Bronze Medallion Radio operations unit of competency, See SLSNSW SR30 Training Manual March 2022
Attended Induction on the vessel's operations	See following section with regards ORB Crew Induction
Completed additional units of competency required by SR30 for the vessel	See units of competency as per ORB Crew skills log
Maintain a skills log	See ORB Crew skills and training logbook

## **ORB Crew tasks and workbook**

Each crew candidate must perform a vessel induction and then a minimum of two (2) am and two (2) pm patrols to ensure competency of awareness of safe vessel operations and practices. Once the below competencies have been deemed to a suitable standard by the Endorsed ORB Skipper/Assessor the crew award will be endorsement by Endorsed ORB Assessor and the award processed on SurfGuard.

### **MARF029 – Meet work health and safety requirement**

#### **Question**

In consultation with the vessel skipper, identify three major hazards that exist on your vessel and assess the risks involved. Discuss the ways to control each risk and complete the hazard risk register (located in Appendix B). Affix a completed copy of the risk register to this workbook.

#### **Risk Matrix, Consequence and Likelihood Tables**

##### **Risk Matrix**

The following risk matrix is used in SLSNSW. It does not matter which matrix you use as long as you consistently use the same matrix.

	<b>CONSEQUENCE</b>				
<b>LIKELIHOOD</b>	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Extreme (5)
Rare (1)	Low	Low	Low	Low	Low
Unlikely (2)	Low	Low	Low	Medium	Medium
Possible (3)	Low	Low	Medium	Medium	Medium
Likely (4)	Low	Medium	Medium	High	High
Almost certain (5)	Low	Medium	Medium	High	Extreme

## Likelihood Table

The following can be used as a guide for determining likelihood. However, this tool has limitations as likelihood and frequency of events tend to vary between disciplines and functional areas.

Level	Likelihood	Expected or actual frequency experienced
1	Rare	May only occur in exceptional circumstances; simple process; no previous incidence of non-compliance
2	Unlikely	Could occur at some time; less than 25% chance of occurring; non-complex process &/or existence of checks and balances
3	Possible	Might occur at some time; 25 – 50% chance of occurring; previous audits/reports indicate non-compliance; complex process with extensive checks & balances; impacting factors outside control of organisation
4	Likely	Will probably occur in most circumstances; 50-75% chance of occurring; complex process with some checks & balances; impacting factors outside control of organisation
5	Almost certain	Can be expected to occur in most circumstances; more than 75% chance of occurring; complex process with minimal checks & balances; impacting factors outside control of organisation

### Question

Consider and record the WHS risks that could affect your health, safety and welfare when you are working on a SR30 vessel as part of a team.

1. When dealing with routine and predictable tasks with repetitive steps. List some examples below.

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2. Not having sufficient time to complete tasks. List some examples below.

3. When performing tasks that involves another crew on a one-to-one basis. List some examples below.


4. Environmental considerations. List some examples below.

5. Consider the examples above, what steps will you take to ensure reasonable care for your health and safety in these circumstances?

6. Consider the examples above, what steps will you take to ensure reasonable care for the health and safety of the other crew members?

**MARF028 – Follow procedures to minimize and fight fires on board a vessel**

Identify the following fire extinguishers and the class of fire they can safely be used on.

Extinguisher	Type and use
	



List below potential fire hazards onboard your Unit's vessel/s.

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Discuss what action is to be taken to control these hazards.

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Identify all portable firefighting equipment on board your vessel/s.

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Competency	Description					
<b>Pre-Operation</b>	Demonstrate setting up the vessel in preparation for patrol. This includes all equipment checks on the vessel (batteries, viewing ports, switches etc). <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation &amp; MARB053 – Assist with routine maintenance on a commercial vessel</b>					
Date and Time (hours)	Induction	AM	PM	AM	PM	Endorsement
Endorsed ORB Skipper/Assessor						
<b>Launching</b>	Demonstrate setting up the vessel in preparation for launch. Guiding the vessel to an appropriate launching area. Launching the vessel safely. <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</b>					
Date and Time (hours)	Induction	AM	AM	AM	PM	Endorsement
Endorsed ORB Skipper/Assessor						

<b>Retrieving</b>	<p>Demonstrate retrieval of the vessel onto the trailer. Candidates are expected to display guidance of the driver onto the trailer and securing the vessel in preparation for towing.</p> <p><b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</b></p>					
Date and Time (hours)	Induction	PM	PM	AM	PM	Endorsement
Endorsed ORB Skipper/Assessor						

<b>Anchoring</b>	<p>Demonstrate crewing requirements when laying and retrieving anchor. There is a strong emphasis on safety and communication in this section.</p> <p><b>Linked to MARN008 – Apply seamanship skills aboard a vessel up to 12 metres</b></p>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>Competency</b>	<b>Description</b>					
<b>Berthing</b>	<p>Display the ability to correctly secure the boat in a berth. Communication should be had with the driver considering the conditions (port or starboard) before coming alongside any other vessel or dock. The use of a minimum of 3 fenders is strongly encouraged at all times.</p> <p><b>Linked to MARN008 – Apply seamanship skills aboard a vessel up to 12 metres</b></p>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

Competency	Description					
<b>Post operation</b>	Demonstrate duties following operation including refuelling, running of engines, checks for damage and any maintenance required. Display sound communication when directing the boat into the shed. <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation and MARB053 – Assist with routine maintenance on a commercial vessel</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>Local Knowledge</b>	Demonstrate awareness of maritime conditions, landmarks and customs in the operation area of the vessel. <b>Linked to MARN002 – Apply seamanship skills aboard a vessel up to 12 metres</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

### Emergency competencies (min of 2 competent observations)

Competency	Description					
<b>Person Overboard</b>	Display the appropriate response to a person overboard in accordance with vessel SMS. <b>Linked to MARF027 – Apply basic survival skills in the event of vessel abandonment</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

<b>Fire Onboard</b>	Display the appropriate response to a fire onboard the vessel in accordance with vessel SMS <b>Linked to MARF027 – Apply basic survival skills in the event of vessel abandonment</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>Capsize/ Abandoning the boat</b>	Display the appropriate response to capsize or the requirement to abandon ship in accordance with vessel SMS <b>Linked to MARF027 – Apply basic survival skills in the event of vessel abandonment</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>Collision</b>	Display the appropriate response to a collision with another vessel or unknown object in the water in accordance with vessel SMS <b>Linked to MARF027 – Apply basic survival skills in the event of vessel abandonment</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

### Lifesaving competencies (min of two competent observations)

Competency	Description					
<b>Towing</b>	Demonstrate the ability to tow another vessel. Strong emphasis crew communication and safety. <b>Linked to MARK007 – Handle a vessel up to 12 metres.</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

<b>SAR &amp; work as part of a crew on a commercial vessel</b>	Describe the different types of search pattern used by SAR vessels and working as a member of the crew in vessel operations. <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation &amp; MARG012 work as part of a crew on a commercial vessel</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>SEA SURVIVAL</b>	<ul style="list-style-type: none"> <li>• Don a SOLAS lifejacket,</li> <li>• safely jump from a height into the water,</li> <li>• hold heat escaping position for at least 5 minutes,</li> <li>• maintaining a group huddle for at least 10 minutes,</li> <li>• swimming in a group conga line for a min of 50m</li> <li>• swimming in a life jacket for min 50 metres</li> <li>• towing with a life jacket for min 25 metres,</li> <li>• operating / using safety equipment including, flares, life buoys.</li> <li>• Reading and interpreting vessels SOPS and SMS</li> </ul> <b>Linked to MARF027 - Apply basic survival skills in the event of vessel abandonment.)</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

### Miscellaneous (min of two competent observations)

Competency	Description					
<b>Knots</b>	Demonstrate the ability to tie common nautical knots. <ul style="list-style-type: none"> <li>• Reef knot,</li> <li>• bow line,</li> <li>• clove hitch,</li> <li>• round turn &amp; two half hitches.</li> </ul> <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

<b>Communication and signalling</b>	Discuss the use of radios and signalling equipment (especially in the case of an emergency). <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						
<b>4WD Winching for Launch and Retrieve</b>	In accordance with the SOP – Winching Operations, demonstrate the crew procedure using the winch on the 4WD for launch and retrieval. <b>Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</b>					
Date and Time (hours)	C / NYC	C / NYC	C / NYC	C / NYC	C / NYC	Endorsement
Endorsed ORB Skipper/Assessor						

**Please bring this logbook to each patrol or training session and ensure the ORB Skipper (TOC Qualified) or Endorsed ORB Assessor (NC2, TOC and Assessor Skill Set) signs the competencies as they are covered.**

