

Surf Rescue 30

ORB DRIVER LEARNER GUIDE



SURF LIFE SAVING
NEW SOUTH WALES

SURF LIFE SAVING NSW

Surf Rescue 30 vessel induction checklist & ORB Driver Learner Guide.

Date of induction: _____

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)

Member Name & DOB (must be min 18 years of age)	
SLS Club	
Bronze Medallion (not mandatory)	Yes or No (Circle)
Boat Licence	State Issued: Licence #: Expiry:
ORB Crew Award (not mandatory)	Date Obtained (if relevant):
AMSA Qualification (if relevant must supply copy of licence)	
First Aid (HLTAID011)	Date of Expiry:
Provide Advanced Resuscitation & Oxygen Therapy (HLTAID015)	Date of Expiry:
Other Industry Experience (e.g. SM Patrol Captain, ART etc)	

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

ORB Driver

Name _____ Date _____

Qualification _____ Signature _____

Vessel Documentation	
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	

Safety Equipment	
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	

General Vessel Overview	
Hull	
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	

Aft Deck	
Clearing Ports	
Flooring (Cleaning etc.)	
Access Doors	
Inspection Ports	
Storage locations	
Refuelling	
Foredeck	
Hatches	
Bollards	
Bow Sprit operation	
Securing points	
Anchor well	
Anchor storage	
Anchor winch use	
Devils Claw (anchor security underway)	
Superstructure and Cabin	
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	

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

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

Vessel Handling	
General handling characteristics overview	
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 / capsized / fire / MOB	

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

ORB DRIVER AWARD CANDIDATE SKILLS LOG AND TRAINING RECORDS

The ORB driver 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 **Coxswain and GPH** 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 Driver must be minimum of 18 years of age
Meet medical and eyesight requirements determined by the VMR organisation	ORB Driver 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 Drivers 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 Driver

AMSAR Requirement	SLSNSW Link to AMSAR
HLTAID011 Apply First aid	Each ORB Crew member holds their SLS Bronze Medallion & ORB Driver their First Aid Certificate (HLTAID011)
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
MARF030 – Survive at sea using survival craft	See SR30 Training log for completion of task as per AMSA requirements.
MARC037 – Operate inboards and outboard motors	See ORB Drivers skills logbook.
MARI003 – Comply with regulations to ensure safe operation of a vessel up to 12 metres	See SR30 SOPS, SR30 SMS and ORB Drivers skills logbook.
MARJ006 – Follow environmental work practices	See SR30 SOPS and SMS
MARK007 – Handle a vessel up to 12 metres	See SR30 Drivers skill logbook
MARN008 – Apply seamanship skills aboard a vessel up to 12 metres	See other SR30 Units of Competency with regard ORB Drivers 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 Drive Induction
Completed additional units of competency required by SR30 for the vessel	See units of competency as per ORB Driver skills log
Maintain a skills log	See ORB Driver skills and training logbook

ORB Driver tasks and workbook

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. 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.

	CONSEQUENCE				
LIKELIHOOD	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. When completing the below questions, the answers should reflect the requirements and actions you will be required to undertake as ORB Driver.

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

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					
Pre-Operation	Demonstrate setting up the vessel in preparation for patrol. This includes all equipment checks on the vessel (batteries, viewing ports, switches etc). Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation & MARB027 – Perform basic servicing and maintenance of main propulsion unit and auxiliary systems.					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Launching	Demonstrate setting up the vessel in preparation for launch. Starting engines and performing checks. Launching the vessel safely. At least two sessions should be performed in moderate swell/chop/tidal movement Linked MARK007 – Handle a vessel up to 12 metres					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						

Effects of Controls	Display the appropriate control input according to the desired manoeuvre and conditions. This includes throttle, steering, trim and engine out manoeuvres. Linked to MARK001 – Handle a vessel up to 12 metres						Endorsement
Date and Time (hours)							
Endorsed ORB Skipper/Assessor							
Competency	Description						
Retrieving	Demonstrate retrieval of the vessel onto the trailer. Shut down of engines and securing of the vessel in preparation for towing. At least two sessions should be performed in moderate swell/chop/tidal movement. Linked to MARK001 – Handle a vessel up to 12 metres						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							
Manoeuvring	Display the ability to drive the boat using steering and/or differential gearing and throttle. This is to include the use of swell and tide to maintain position or alter course. Linked to MARK001 – Handle a vessel up to 12 metres & MARN008 – Apply seamanship skills aboard a vessel up to 12 metres.						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							
Driving at speed	Demonstrate driving the vessel at speed. This includes driving safely according to conditions, the correct use of trim, positioning of the boat relative to swell lines and turning (as necessary). Linked to MARK001 – Handle a vessel up to 12 metres						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							

Anchoring	<p>Demonstrate driving requirements when laying and retrieving anchor. There is a strong emphasis on safety and communication in this action. Linked to MARN008 – Apply seamanship skills aboard a vessel up to 12 metres.</p>					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Berthing	<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. Linked to MARN008 – Apply seamanship skills aboard a vessel up to 12 metres</p>					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Post operation	<p>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. Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation and MARB027– Perform basic servicing and maintenance of main propulsion engines.</p>					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Local Knowledge	<p>Demonstrate awareness of maritime conditions, landmarks and customs in the operation area of the vessel. Linked to MARN002 – Apply seamanship skills aboard a vessel up to 12 metres</p>					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						

Operate Outboard Motors	Basic controls, tilt operation, throttle operation, gauges and their function and meaning. Linked to MARC027 – Operate outboard motors					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Auxiliary Power Systems	Understand the meaning and use of the battery parallel switch, house batteries and motor batteries. Linked to MARC038 – Operate main propulsion unit and auxiliary systems					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						
Safety Management System	Understand the contents and applicability to our vessel operations of the SR30 SMS. Linked to MARNI001 – Comply with regulations to ensure safe operation of a vessel up to 12 metres					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						

Emergency competencies

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

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

Lifesaving competencies (min of two competent observations)

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

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

Miscellaneous

Competency	Description					
MFD / Plotter	Demonstrate the use of the MFD unit. Plan and navigate a passage for the vessel using all onboard navigational aids. Linked to MARI003 – Comply with regulations to ensure safe operation of a vessel up to 12 metres.					
Date and Time (hours)						Endorsement
Endorsed ORB Skipper/Assessor						

Knots	<p>Demonstrate the ability to tie common nautical knots.</p> <ul style="list-style-type: none"> • Reef knot, • bow line, • clove hitch, • round turn & two half hitches. <p style="color: red; text-align: center;">MARN008 – Apply Seamanship skills above a vessel up to 12 metres.</p>						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							
Navigational aids / lights	<p>Discuss markers/lights and their meaning relevant to the vessel. Linked to MARI003 – Comply with regulations to ensure safe operation of a vessel up to 12 metres.</p>						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							
Communication and signalling	<p>Discuss the use of radios and signalling equipment (especially in the case of an emergency, VHF & Surfcom). Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</p>						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							
4WD Winching for Launch and Retrieve	<p>In accordance with the SR30 SOP – Winching Operations, demonstrate the driver procedure when crew using the 4WD winch for launch and retrieval. Linked to Exemption 24, Scheme R meet training requirements imposed by VMR organisation</p>						
Date and Time (hours)							Endorsement
Endorsed ORB Skipper/Assessor							

Safety Management System	Understand the contents and applicability to our vessel operations of the SR30 SMS. Linked to MARNI001 – Comply with regulations to ensure safe operation of a vessel up to 12 metres					
Date and Time (hours)						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.

