



SWIFTSURE INTERNATIONAL YACHT RACE

Hosted by the Royal Victoria Yacht Club

May 25-26, 2024

Victoria, British Columbia



Swiftsure International Yacht Race Safety Policy 2024

INTRODUCTION

This document outlines the key aspects of safety measures and processes used by the Swiftsure Organizing Authority and the Race Committee. It also provides the rationale for the designated category of the races within the World Sailing Category 3 Special Regulations (OSRs) and the exceptions that have been made to the requirements.

ORGANIZING AUTHORITY

The Royal Victoria Yacht Club (RVYC) has a Program Committee that has delegated responsibility to act as the Organizing Authority (OA) for the Swiftsure International Yacht Race. The members of this Swiftsure Committee are all volunteers, with administrative support provided by RVYC office staff. The Principal Race Officer (PRO) for the race sits on this committee; other members are the Race Event Chair, Race Director, Registrar, Technology Lead, Media Relations Lead, Logistics Lead, Webmaster, and Volunteer Coordinator.

The OA issues the Notices of Race (NoRs) while the PRO is responsible for issuing the Sailing Instructions (SIs) and for running the race. Duty Race Officers (DRO) and members of the Race Committee report to the PRO. The Official Judge for the race is a World Sailing International Judge.

Safety is an overriding priority in all aspects of running the race. There is a healthy safety culture within the Swiftsure Committee which encourages continuous improvement, and suggestions are welcome from everyone. Steps are taken to ensure good communication with the racing fleet during the race. A close working relationship exists with the Joint Rescue Coordination Centre (JRCC) Victoria and Marine Communication and Traffic Services (MCTS) during advance planning and during the race.

RUNNING THE RACE

The Race Director chairs the Race Management Subcommittee, which is composed of the PRO, Race Director, Race Event Chair, and leads of Inspection Dock, Results, and Finish Line (Inshore and Three Long Courses). The leads organize and coordinate the activities of their volunteers in order to support the PRO in providing the highest possible calibre of race management.

The Swiftsure International Yacht Race is composed of Three Long Courses and the Swiftsure Inshore Race. The courses are as follows:

Three Long Courses

1. **Swiftsure Lightship Classic Race for Monohulls** (PHRF classes with a PHRF rating of 100 or faster) - from a starting line at Clover Point, rounding a Swiftsure Bank Marker to port, and crossing a finish line across the Victoria Harbour – 138.2 NM

2. **Cape Flattery Race for Monohulls** (PHRF classes) **and** (ORC classes) - from a starting line at Clover Point, leaving an anchored vessel off the entrance to Neah Bay to port, and crossing a finish line across the Victoria Harbour – 101.9 NM.

3. **Juan de Fuca Race for Monohulls** (PHRF classes with a rating of 60 or slower) **and for Multihulls** (PHRF classes) - from a starting line at Clover Point, leaving a green navigational mark at the southern entrance to Clallam Bay to port, and crossing a finish line across the Victoria Harbour – 75.2 NM

Swiftsure Inshore Race

There are two separate divisions for monohull boats: Racing and Cruising. The Cruising Division may be split into Flying Sails and Non-flying Sails classes if there are sufficient registrants. The PRO determines the course for each of the races after consideration of the weather and tidal currents predictions, and this is announced to racers on the morning of the race. The racecourse area is from the starting line at Clover Point to a finish line at Cadboro Bay near the Royal Victoria Yacht Club. The course(s) are selected from marks in Juan de Fuca Strait (adjacent to the city of Victoria) and southern Haro Strait.

WEATHER MONITORING

A Meteorology Monitoring Protocol (to track actual and forecast winds) has been implemented and is reviewed annually to ensure it is current, and accounts for lessons learned from prior years and input from various sources such as other races, Environment Canada, and the JRCC Victoria. The 2024 protocol will be published on the Swiftsure website and is part of the PRO's orientation and training of race management volunteers. Necessary steps are taken to ensure up-to-date information is received from Environment Canada concerning wind and wave observations and predictions prior to the start and during the race, and arrangements are in place for briefings from Environment Canada should wind warnings/advisories be issued. During the race, the PRO and DROs monitor the weather on the racecourses, and when the actual or forecast wind is for gale or higher, they monitor weather observations in various locations of the racing area as outlined in the Meteorology Monitoring Protocol.

RACE ENVIRONMENT

The Juan de Fuca Strait poses a number of challenges for Swiftsure racers and the OA implements measures to continually assess and mitigate risks. Not all racers are accustomed to sailing in such waters where commercial vessels can be steaming at 22+ knots.

There is a relatively strong current that can set up a steep wave pattern when opposed by wind. Fog can occur as well to impede visibility, and racers will be sailing at night to further the challenge.

The water itself poses another consideration – a prevailing sea temperature of ~10°C means cold water shock, muscle incapacitation, and the risk of hypothermia exists if a racer is swept overboard. And the risk of drowning is increased significantly if the person in the water is not wearing a personal flotation device. Crew Overboard (COB) recovery is a challenge and even more so at night.

While there have been instances of COB, dismasting, and grounding in some previous races, there has only been one fatality since Swiftsure's inception in 1930 – a most commendable record given the challenges of the race.

SAFETY CONSIDERATIONS

In response to the risks involved in racing, the OA ensures key measures are implemented to keep participants well informed and mitigate those risks. This includes, but is not limited to, the following actions.

Weather

A weather briefing is held at the Skippers' Meeting the afternoon prior to the race. The PRO and DROs follow Swiftsure's Meteorology Monitoring Protocol when making a decision about whether to start or postpone the start, or abandon races in one or more courses in the event of existing or forecast high winds and hazardous sea states.

Crew Lists

Having accurate crew lists for every competing boat before they cross the start line is emphasized. Skippers or their designates are able to enter their crew lists, together with emergency contact names and telephone numbers, when they register online, and these lists can be updated as required. When skippers check in at the Swiftsure Centre prior to the race, a mandatory requirement, they are asked to review online their crew list and assistance is given to amend it if needed. Also, boats are expected to advise Swiftsure Communications the morning of the race, should they have any last-minute crew changes.

The JRCC Victoria has direct access to the electronic crew lists during the race should they be needed for a Search and Rescue (SAR) incident.

Communication with Fleet

Notwithstanding Racing Rules of Sailing's Fundamental Racing Rule #4 ("The responsibility for a boat's decision to participate in a race or to continue racing is hers alone."), one of the key aspects of safety is the ability to communicate with racers for the duration of the race or, should an abandonment of the race be necessary, until they reach a safe haven. It is also necessary to keep in contact with boats which have withdrawn from the race until they reach a safe haven. This is accomplished through use of calling and texting using cellular technology. The Strait of Juan de Fuca has cellular coverage, through both Canadian and American providers.

Traditional Very High Frequency (VHF) radio provides a further tool for communication among the fleet and race committee and is the primary method of communication with SAR resources. Boats in the Swiftsure Lightship Classic may not experience full cellular coverage west of Cape

Flattery. Skippers and navigators are reminded in the SIs of the need to monitor VHF 26 in case they are hailed by the Race Committee via VTS. It is stated in the SIs that if a competitor requires emergency assistance they should contact the Coast Guard on VHF 16, and use the Digital Selective Calling (DSC) on their VHF radios which would alert other race boats within VHF range.

For all long course participants, boats must carry a charged mobile or satellite phone onboard, and the number is registered with the OA. The phone must be kept switched on and continually monitored for incoming communication from the race committee.

Cellular coverage over the racecourse in some locations is only provided by Canadian providers, and in other locations only by American providers. Participants who utilize Canadian cellular service providers will be required to purchase roaming services from the American providers (and vice versa) to ensure coverage over the full racecourse. Carrying satellite phones is not mandatory, but for those who have it aboard it provides more reliable coverage where cellular coverage may be limited. Satellite phones are strongly recommended for boats in the Swiftsure Lightship Classic where cellular coverage may be limited west of Cape Flattery. Starlink technology may also be used.

A VHF radio with DSC capability must also be on board. A back up radio and additional batteries should also be carried. The power must be kept on with the volume audible. Applicable channels shall be monitored and utilized as required and as noted in the SIs; competitors shall monitor channel 16 throughout the race.

Location of Commercial Vessels

To assist Swiftsure boats to keep a watch, avoid collision, impeding or obstructing fast-moving commercial vessels, the Seattle Traffic, Victoria Traffic, and Prince Rupert Traffic make half hourly broadcasts on VHF channel 09 of commercial traffic in real time (i.e., current position of vessels, direction, and speed) at 15 minutes and 45 minutes past the hour. These broadcasts cover all of the TSS areas located within the racecourses. The SIs indicate that all boats shall monitor VHF channel 09 for Vessel Traffic Services (VTS) broadcasts in the following circumstances, even if monitoring AIS:

- Before entering a VTS Lane; and
- While operating in a VTS Lane or in a VTS Separation Zone.

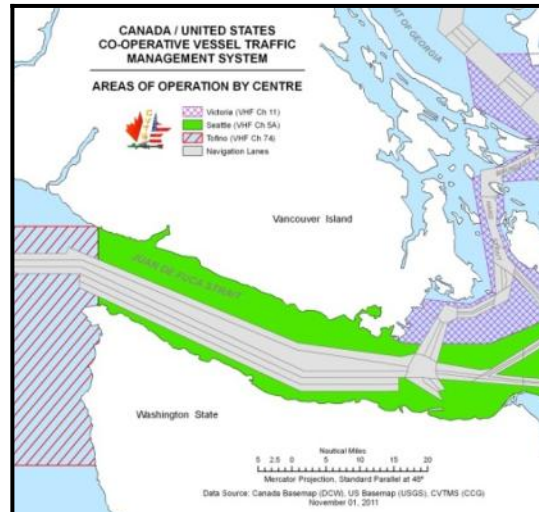
The SIs reinforce that boats shall not impede or obstruct commercial traffic and further that a boat whose actions or manoeuvres result in a danger signal (5 or more blasts) from commercial or military traffic shall be protested by the race committee.

Even those boats that monitor AIS transmissions while racing are advised to listen to the VTS commercial shipping broadcasts prior to entering and while within VTS Lane or VTS Separation Zones. This is because the US Navy is not obligated to transmit AIS information so these potential hazards will remain unknown to racers if they do not monitor the VTS broadcasts. Similarly, the position of commercial vessels that have a malfunctioning AIS transmitter would otherwise remain unknown.

There is a Traffic Separation Scheme (TSS) which is recognized by the International Maritime Organization, in the Strait of Juan de Fuca and Haro Strait. United States Coast Guard (USCG) Puget Sound VTS ("Seattle Traffic") and the Victoria and Prince Rupert MCTS Canadian Coast Guard (CCG) Centres ("Victoria Traffic" and "Prince Rupert Traffic") provide timely information to participating vessels regarding traffic movement, weather, and hazards to navigation.

Swiftsure boats are not participating vessels in the TSS, and therefore are not required to report and obtain a traffic clearance when crossing the TSS. This further necessitates that racers be vigilant in keeping a constant watch.

Naval vessels most often do not broadcast an Automatic Identification System (AIS) transmission but VTS (Seattle Traffic, Victoria Traffic, and Prince Rupert Traffic) are aware of location, direction and speed of these vessels.



The following TSS Addendum is included with the Swiftsure Three Long Courses NoR posted for all racers on the Swiftsure website.

ADDENDUM C APPENDIX TS - Traffic Separation Schemes TS1 Rule 56.2 is changed to: 56.2

(a) A Traffic Separation Scheme (TSS) shall be understood to mean an area shown on a nautical chart, or in the notice of race, as a TSS.

(b) A boat shall not impede, or present a threat of impeding, the safe passage of a power driven vessel in a TSS traffic lane.

(c) If a commercial, government, or naval power-driven vessel in a traffic lane makes five short and rapid blasts on her whistle (a danger signal, see IRPCAS rule 34 (d) of the International Regulations for Preventing Collisions at Sea and the boat causing the danger signal can be identified, then the boat is subject to protest under rule 56.2(b).

(d) If an official complaint/action is lodged against a boat by a commercial, government, or naval power-driven vessel, by a pilot, by Vessel Traffic Services (VTS), or by other local government authority, it shall be presumed that the boat has broken rule 56.2(b).

(e) The Race Committee will cooperate with and provide relevant information to VTS and other governmental authorities regarding investigations of boats impeding a power-driven vessel.

Location of Fleet

Knowing the location of competing boats is important, but it is not expected that exact locations will be always known due to technology limitations. However, key steps have been taken for the Three Long Courses to ensure the general locations of all boats are known.

Boats participating in the Three Long Courses are required to check in with the race committee and confirm their number of crew prior to the start of the race. This is intended to ensure the race committee knows which vessels actually started the race.

The PRO and JRCC Victoria will discuss any concerns about non-reporting units as part of the decision process of whether a SAR should be initiated. Intermediate steps include the race committee attempting a text/voice call to the boat's onboard mobile phone, contact via DSC, MCTS broadcasting on VHF channel 16, and announcements by VTS during their half-hourly broadcasts on VHF 09. In addition, during the MCTS half-hourly broadcast, the whole fleet, or via VHF 16, can be asked about where and when any competitors had visually seen the applicable boat.

Minimum Safety Requirements

Ensuring a boat is seaworthy, adequately equipped, and has an experienced crew with sufficient ability to face bad weather is the sole and inescapable responsibility of the Person In Charge (PIC) of each boat. Skippers (PIC) confirm that they accept this responsibility when they register to enter Swiftsure.

The requirements as indicated in the OSRs for Monohulls and Multihulls Category 3 (as appropriate) as amended by B.C. Sailing and/or the OA, which is covered by the NoRs, states: "The person in charge of each boat shall ensure that all competitors in the crew and the boat's owner are aware of their responsibilities under this rule."

Fundamental rule 3 in World Sailing's Racing Rules of Sailing, which govern the race (covered in the NoRs and SIs) states: "DECISION TO RACE - The responsibility for a boat's decision to participate in a race or to continue *racing* is hers alone."

The online registration form contains a liability waiver which must be checked that the registrant agrees before they can proceed to the remaining registration process.

In order to reinforce the need for boats to be safely prepared for the Three Long Courses, each boat, upon finishing, must proceed to the Inspection Dock where they are greeted and may be subjected to an inspection of the OSRs. The inspection is formally recorded, signed by the inspector, and retained by the Swiftsure Inspection Team. Should a boat fail to comply with any item on the inspection list, this is recorded and referred to the PRO who will decide whether a protest action is to be initiated.

A post-race safety inspection is not done for the Swiftsure Inshore Race competitors but the NoR indicates they are subject to inspection, and this could be undertaken if the Race Officer or PRO were to conclude that a boat appeared to not be in compliance with required safety requirements.

World Sailing Category 3 Special Regulations

Background

Swiftsure's OA has designated the Three Long Courses as Category 3 races. The OA requirements are published on the Swiftsure website under Race Info.

When determining what minimum OSRs will apply to the Three Long Courses, it is understood that there is no absolute in safety and by the nature of the challenge of sailboat racing there is risk. The goal is to assess potential objective risks with the view of preparing response scenarios should they materialize and to reduce subjective risks, which are those mariners can control. The OA and PRO also play a role in reducing subjective risks.

Compliance with the OSRs is ultimately the responsibility of the PIC of each competing boat. This includes secure storage of heavy items, strength of build of the boat, watertight integrity, hull and structure, the boat's safety equipment, crews' personal safety equipment, minimum gear, heavy weather sails, rigging, crew skills for emergency steering methods and COB procedures, and safety training.

The rules for the Three Long Courses identify prescribed circumstances where while on deck all crew must wear life jackets having lights, whistles, tethers, marine-grade retro-reflective material, and crotch/thigh straps. In addition, a clause in the SIs encourages PICs to establish a safety protocol for their crew as to when Personal Flotation Devices (PFDs) are to be worn and tethers used to ensure safety, and it is recommended that PFDs be worn at all times, and that tethers be used when conditions warrant and definitely when winds are over 20 knots, seas over 3 feet, with diminished visibility (fog), or when sailing short-handed. It is recognized that requirements may vary depending on the type of boat being sailed. Crotch/thigh straps attached to PFDs are mandatory. This feature is vital in case a COB is/becomes unconscious or is being pulled out of the water via their inflated PFD (to avoid slipping out of it).

Three Long Courses

The rationale for the Three Long Courses being designated as 'Category 3' is that they are "Races across open water, most of which is relatively protected or close to shorelines."

While a relative term, it is felt that rescue in the event of an emergency would be quickly available; i.e., within no more than one hour. Racers are in relatively close proximity to each other and would likely be the most immediate resource in the event of an incident involving one of the competing boats. Adjacent boats should become aware of such an emergency as they are required to monitor VHF 16 and DSC will be alerted in the event of activation by another competitor.

SAR emergency resources are quite readily available throughout the Strait of Juan de Fuca. The JRCC Victoria tasks the Oak Bay, Victoria, and Sooke Royal Canadian Marine Search & Rescue units (33, 35, and 37) to be available in the event of a SAR related to Swiftsure. JRCC Victoria redeploys one or two Cormorant helicopters from 442 Squadron to the Victoria airport for the duration of the Swiftsure race, as well as a CCG vessel to be located in the Jordan River area. The CCG also has a fast response vessel located in the Victoria Inner Harbour. In addition, the JRCC Victoria is able to task, in coordination with the US Coast Guard, the resources of the US Coast Guard Puget Sound Sector in the event of a SAR incident.

Swiftsure Inshore Race

The racecourse is in the vicinity of Juan de Fuca Strait and the Victoria waterfront extending south to William Head east to Beaumont Shoal and north to D'Arcy Shoals, and crossing a finish line located in Cadboro Bay near the Royal Victoria Yacht Club. This is within the same area where the RVYC's routine year-round long-distance races are sailed. Significantly more SAR resources are readily available for the Swiftsure Inshore Race than the long distance races in the Greater Victoria area, should an incident occur.

SEARCH AND RESCUE SUPPORT

Enabling the CCG to plan availability of Search and Rescue (SAR) resources during the Swiftsure International Yacht Race is accomplished by promoting excellent relationships and

communications with the Officer in Charge and the supervisor of the JRCC Victoria who communicates with the CCG and the Royal Canadian Air Force 442 Squadron in planning SAR contingency plans, and with the US Coast Guard as the Canadian and US Coast Guards have interoperability arrangements (i.e., either US Coast Guard or Canadian Coast Guard SAR resources, or both agencies at the same time, may be tasked by the JRCC Victoria in the event of a SAR incident).

JRCC Victoria usually tasks the Royal Canadian Air Force 442 Squadron to deploy one or two CH-149 Cormorant helicopters to the Victoria airport to be on standby during the Swiftsure Race. In coordination with JRCC Victoria, the CCG deploys at least one vessel to the western part of the Strait of Juan de Fuca. The JRCC tasks the Royal Canadian Marine Search and Rescue (RCM-SAR) Unit 33 (Oak Bay) and Unit 35 (Victoria) to provide safety support at the start of the Swiftsure race. Units 33 and 35 plus Unit 37 (Sooke) are also tasked to be on standby throughout the duration of the race in case of a SAR incident.

In addition, Swiftsure requests the support of a vessel from the Royal Canadian Mounted Police West Coast Marine Services, to provide security and safety support during the start of the races.

Swiftsure obtains a marine event permit from the USCG Sector Puget Sound. This also alerts the USCG about the timing and area covered by the Three Long Courses of the Swiftsure race.

SAFETY REVIEWS

In an effort to encourage continuous improvement, the OA ensures that a review of race safety is completed every year. When updating this policy and other applicable race documents, the OA considers findings and recommendations from the review.

SUMMARY

Racers in the Swiftsure International Yacht Race can encounter benign or challenging wind and tidal current conditions, and there are always risks such as commercial traffic and collisions among racers as well as COBs. Therefore, a focus on safety in the organization of the race and in the attitude of participating racers must be ever-present. This needs to continue to be reinforced to skippers at the Skippers' Meeting.

The OSRs do not mitigate the responsibility of the PIC to ensure that their boat is well prepared, well crewed, and sailed in a fashion that would be expected of highly competent mariners. The OSRs are minimum requirements, and many PICs will choose to exceed the standards.

Excellent communications with the JRCC Victoria and other agencies is considered a key aspect of safety, and the advice and support of the JRCC Victoria is a necessary component of safety for the race.

GLOSSARY

AIS – Automatic Identification System

CCG – Canadian Coast Guard

DRO – Duty Race Officer

DSC – Digital Selective Calling

JRCC – Joint Rescue Coordination Centre Victoria (Pacific Region)

MCTS – Marine Communications and Traffic Services (CCG)

COB – Crew Overboard

NoR – Notice of Race

OA – Organizing Authority

ORC – Offshore Racing Council

OSR - World Sailing Category 3 Special Regulations

PFDF – Personal Flotation Device

PHRF – Pacific Handicap Racing Fleet

PIC – The Person In Charge

PRO – Principal Race Officer

RCM-SAR – Royal Canadian Marine Search and Rescue

RVYC – Royal Victoria Yacht Club

SAR – Search and Rescue

SI – Sailing Instructions

TSS – Traffic Separation Scheme

USCG – United States Coast Guard

USN – United States Navy

VHF – Very High Frequency (radio)

VTS – Vessel Traffic Services (USCG Sector Puget Sound “Seattle”, CCG “Victoria Traffic”, “Prince Rupert Traffic”)