



Department of Fisheries and Oceans (DFO) Request for
Supply Arrangement for Charter Vessels
'Sheltered Waters Voyage' Criteria Declaration Form



Table of Contents

Sheltered Waters Voyage	3
List of Acronyms	4
List of Terms	4
Credentials.....	5
1.0 Vessel Certifications and Policies	5
2.0 Vessel Particulars	6
3.0 Vessel Safety.....	7
4.0 Vessel Tenders and Accessory Craft	7
5.0 Accommodations	7
6.0 Vessel Facilities.....	8
7.0 Washroom and Shower Facilities	8
8.0 Laboratory Spaces	9
9.0 Laboratory Facilities	9
10.0 General Deck Machinery.....	11
11.0 Deck Requirements	12
12.0 Deck Power Specifications	13
13.0 Internal Storage Options.....	13
14.0 Vessel Mounted Transducers and Systems	14
15.0 Science Onboard.....	14
16.0 Onboard Communications.....	15
17.0 Outfitted Ship Tackle (Rigging, Lines, Rope, Cabling etc.)	15
18.0 Fishing and Fishing Equipment	15
19.0 Additional Equipment	16



Sheltered Waters Voyage

1. **Sheltered waters voyage:**
2. **A voyage that is in Canada on a lake or a river above tidal waters – where a vessel can never be further than one nautical mile from the closest shore**
3. **A voyage that is on the waters listed in column 1 of an item of Schedule 1 (see ‘Vessel Certificates Regulations’ document) during the period specified in column 2 of that item**

DRAFT



List of Acronyms

ADCP	Acoustic Doppler Current Profiler
AED	Automatic External Defibrillator
CAD	Computer Aided Design
DFO	Department of Fisheries and Oceans
EPIRB	Emergency Position-Indicating Radio Beacon
LARS	Launch and Recovery System
RFI	Request for Information
RFP	Request for Proposal
RFSA	Request for Supply Arrangement
SWL	Safe Working Load
VLE	Vessel Life Extension

List of Terms

A	Amps or amperage
GT	Gross Tonnage
hp	Horsepower
kg	Kilograms
LxWxH	Length, Width and Height
m	Meters
V	Volts or voltage



Credentials

Vessel Name:	
Vessel Official Number:	
Vessel Owner Name:	
Vessel Owner Phone:	
Vessel Owner Email:	
Most Common Vessel Port(s):	
Vessel Port of Registry:	
CAD Schematic File and Vessel Images:	Link to Upload files - in progress

1.0 Vessel Certifications and Policies

Criteria/Specifications	Yes	No
1.1 Is the vessel currently able to operate legally in Canadian waters?		
1.2 Does the vessel have an valid copy of the vessels Transport Canada (or international equivalent in English or French from the certifying agency) Minimum Safe Manning Document-Convention with Trading Area of Unlimited Voyage?		
1.2a If yes to 1.2, please specify any conditions listed in the document:		
1.3 Does the vessel possess Transport Canada Safety Certificates or international Equivalents? They will need to be provided in English or French from the certifying agency for review upon request. <i>Note: Vessels under 15 GT are not expected to have these certificates</i>		
1.4 Does the drinking water onboard meet or exceed the Guidelines for Canadian Drinking Water Quality? (Certificates may be requested). https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html		
1.5 Does the vessel currently have an insurance policy in place? <i>Note: Vessel insurance documents will need to be provided in English or French upon request.</i>		

Criteria	Specifics
1.6 What is the vessel's policy on alcohol consumption at sea and at port?	
1.7 What is the vessel's policy on cannabis consumption while at sea and at port?	
1.8 What is the vessel's policy on smoking tobacco while at sea and at port?	



1.9 What is the vessel’s policy on harassment in the workplace?	
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2.0 Vessel Particulars

Criteria/Specifications	Specification
2.1 Vessel overall Length (m)	
2.2 Vessel Breadth (m)	
2.3 Vessel Draft (m)	
2.4 Vessel Gross Tonnage (GT)	
2.5 Hull Material	
2.6 Engine Make (Brand)	
2.7 Number of Engines	
2.8 Total Engine Horsepower (hp)	
2.9 Vessel Endurance (days)	
2.10 Vessel cruising speed (Knots)	
2.11 Vessel max speed (Knots)	
2.12 Year vessel was built	
2.13 Year(s) of any major refits or VLE’s	

Criteria/Specifications	Classification/Comments
2.14 What is the vessel’s type/class? (i.e. workboat, passenger vessel, fishing, etc.)	

Criteria/Specifications	Yes	No	Classification/Comments
2.15 Does the vessel have an ice classification? If yes, please list.			
2.16 Does the vessel have adjustable at-sea ballast?			

Criteria/Specifications	Voltage (V)	Amperage (A)	Plug Type
2.17 Vessel Electrical Power Supply			

Criteria/Specifications	12hr	24hr	Other
2.18 Standard Hours of Operation (standard crewing/manning)			
2.19 Capable Hours of Operation (with adjusted crewing/manning if necessary)			



Crewing Profile	Total Number
2.20a Captain(s)	
2. 20b Officers	
2. 20c Engineers	
2. 20d Crew	
2. 20e Other	

3.0 Vessel Safety

This information is required to ensure the safety and well-being of the Department of Fisheries and Oceans Canada (DFO) personnel.. Note: Safety requirements will be inspected upon request.

Criteria/Specifications	Yes	No
3.1 Does the vessel have a hospital/sick bay on board?		
3.2 Is the vessel equipped with an Automatic External Defibrillator (AED)?		
3.3 Does the vessel carry and EPIRB?		
3.4 Does the vessel have an enclosed life raft / lifeboat?		

Criteria	Description
3.5 For members of the crew certified in first aid/medical assistance, what is their level of certification?	1) 2) 3)

4.0 Vessel Tenders and Accessory Craft

Not Applicable for this voyage type

5.0 Accommodations

Criteria/Specifications	Yes	No
5.1 Is the vessel equipped with berthing for science personnel? <i>Note: If yes, please complete section 5.1a-c</i>		

Criteria/Specifications	Quantity Available	Total Number of Beds
5.1a Total single cabins available to science personnel?		
5.1b Total of shared cabins available to science personnel?		
5.1c Total of all other spaces available as berths? <i>Note: Adequacy of other spaces designated as berths is subject to inspection prior to approval.</i>		



6.0 Vessel Facilities

Criteria/Specifications	Yes	No	Comments
6.1 Does the vessel have a galley?			
6.2 Does the vessel offer a minimum of 3 meals per day? <i>Note: If not, please specify number of meals in comments.</i>			
6.3 Does the vessel have a dedicated cook?			
6.4 Does the vessel have a mess area to accommodate science personnel during meal time?			
6.5 Does the vessel have a lounge area to accommodate science personnel during recreational time?			
6.6 Does the vessel have laundry facilities available on board?			
6.7 Does the vessel have a dedicated exercise area?			
6.8 Is the vessel equipped with an internet connection for personal use? <i>Note: if yes, please specify type in the comments (i.e. Wi-Fi)</i>			

	Other Amenities Onboard
6.9 Are there other amenities available onboard the vessel? (i.e. Sauna, Ping Pong, Dartboard, etc.) Please specify.	Not Applicable for this Voyage type

7.0 Washroom and Shower Facilities

Criteria/Specifications	Quantity
7.1 Total number of water closets onboard (toilet and sink)	
7.2 Total number of water closets connected directly to cabins (single and shared cabins)	
7.3 Total number of full washrooms onboard (toilet, sink and shower)	
7.4 Total number of full washrooms connected directly to cabins (single and shared cabins)	
7.5 Total number of common washrooms onboard (accessible to all and not part of private quarters)	
7.6 Total number of designated female specific washroom facilities onboard	
7.7 Total number of designated male specific washroom facilities onboard	



8.0 Laboratory Spaces

Criteria/Specifications	Quantity
8.1 Total number of dry laboratory spaces (no running water, sinks or floor drains, etc.)	
8.2 Total number of wet laboratory spaces (access to running water, sinks, sea water, etc.)	
8.3 Approximate number of storage areas suitable for laboratory equipment on board (i.e. securable cupboards, bins, lockers, drawers etc.)	

Criteria/Specifications	Dimensions (m)	Location on Vessel
8.4 Specify dry lab dimensions (LxWxH)	Lab 1) Lab 2)	1) 2)
8.5 Specify wet lab dimensions (LxWxH)	Lab 1) Lab 2)	1) 2)

9.0 Laboratory Facilities

With the diversity of at-sea sample processing science personnel may require specific amenities within designated laboratory spaces.

Criteria/Specifications	Yes	No	Comments
9.1a Is there a minimum of one (1) operational and certified fume hood that can fully enclose chemicals for science use?			
9.1b Is there space and infrastructure in the laboratory space(s) for the installation of a portable fume hood?			
9.2 Do any lab spaces have a conveyor system installed? <i>Note: if yes please specify length (m), speed (m/s) and material type (stainless, rubber etc.) in the comments section</i>			
9.3 Does the vessel have at least one (1) sink for science personnel use to dispose excess sea water and cleaning of sample vials? The sink must have hot and cold fresh water supplies. <i>Note : If yes, please provide sink dimensions (m) in the comments section</i>			
9.4 Does the vessel have a fresh clean supply of sea water available in at least one lab for science personnel use?			
9.5 Does the vessel have a room or cabinet approved for the storage of hazardous chemicals?			
9.6 Are there electronics racks in the lab spaces for installation of science equipment?			



Criteria/Specifications	Yes	No	Comments
9.7 Does the vessel have provisions for the safe storage of gas cylinders? <i>Note: If yes, please complete section 9.7a-c and specify how many cylinders in the comments section</i>			
9.7a Is the cylinder storage space located within the laboratory space?			
9.7b If the cylinders are externally situated, are there access ports where gas lines can be run into labs to permit use during operations?			
9.7c If the cylinders are externally situated, are they protected from the sea and weather?			

Criteria/Specifications	Yes	No	Comments
9.8 Does the vessel have freezers/refrigerators to hold scientific samples? <i>Note: If yes please specify temperature of the units in the comments (°C)</i>			
9.8a Does the vessel have space to setup freezers/refrigerators for samples? <i>Note: If yes, please specify in the comments section, the location a fridge/freezer could be setup</i>			

Criteria/Specifications	Yes	No	Comments
9.9 Are work bench spaces available in the laboratories? <i>Note: if yes, please specify the approximate size (LxWxH) in meters in the comments section</i>			

Criteria/Specifications	Yes	No
9.10 Does the vessel have the ability to carry containerized labs? <i>Note: If yes, please complete section 9.10a</i>	Not Applicable For this Voyage Type	

9.10a Does the vessel have the following to support a containerized lab:	Yes	No	Connection Type
Power Connection			Not Applicable For this Voyage Type
Local Area Network (LAN) connection			Not Applicable For this Voyage Type
Navigational Data (i.e. NEMA)			Not Applicable For this Voyage Type
Fire/General Alarm Connection			Not Applicable For this Voyage Type
Salt Water Connection			Not Applicable For this Voyage Type
Fresh Water Connection			Not Applicable For this Voyage Type



10.0 General Deck Machinery

Science programs utilize a variety of research equipment that may be deployed below the ocean surface. The use of cranes, winches and/or launch and recovery systems may be required.

Criteria	Yes	No
10.1 Is the vessel equipped with a fan tail mounted A-Frame? <i>Note: If yes, please complete section 10.5 and 10.6</i>		
10.2 Is the vessel equipped with a marine crane? <i>Note: If yes, please complete section 10.7, 10.8 and 10.9</i>		
10.4 Is the vessel equipped with a dedicated Launch and Recovery System (LARS)? For example, a CTD Rosette LARS, AUV LARS, etc.		

10.5 A-Frame Reach:

Reach Specifications	<2m	2-5m	>5m
10.5a Over the side			
10.5b Above the rail			
10.5c Inboard			

10.6 A-Frame Safe Working Load:

Specifications	Safe Working Load (SWL) in kg
10.6a What is the A-Frame SWL?	
10.6b If equipped, what is the LARS (Launch and Recovery System) SWL?	

10.7 Crane Reach:

Reach Specifications	<2m	2-5m	>5m
10.7a Over the side			
10.7b Above the rail			
10.7c Inboard			

10.8 Crane Safe Working Load:

Specifications	Safe Working Load (SWL) in kg
10.8a What is the Marine Crane SWL?	
10.8b If equipped, what is the LARS (Launch and Recovery System) SWL?	

10.9 Crane Operation

Criteria	Yes	No
10.9a Is/are shipboard crane(s) usable at sea?		
10.9b Does the crane have a wire whip with a hook on it?		
10.9c Does the crane have a long enough whip to reach the waterline?		



10.10 Winch Specifics

Criteria	Yes	No
10.10a Is the vessel fitted with oceanographic winches?		
10.10b Is the vessel fitted with winches for trawling?		
10.10c Is the vessel fitted with sweep line winch(es)?		
10.10d Is the vessel fitted with Gilson winch(es)?		
10.10e Is the vessel fitted with other winch types?		
10.10f Can winches be added to the vessel?		

Specifications	Winch Type	Specification
10.11 What is the length (m) of cable on the winches that are on the vessel?	1) 2)	1) 2)
10.12 What is the instrumentation on the winch cable?	1) 2)	1) 2)
10.13 How many conductors does the cable have and what type of connector(s) is/are in the cable?	1) 2)	1) 2)
10.14 What is the maximum strength (breaking strength) of the winch wire?	1) 2)	1) 2)
10.15 For Gilson and other similar winches, what is the:	1) 2)	1) 2)
<ul style="list-style-type: none"> • Drum Diameter (m) 		
<ul style="list-style-type: none"> • Cable Diameter (m) 	1) 2)	1) 2)
<ul style="list-style-type: none"> • Cable Maximum Strength/Capacity (kg) 	1) 2)	1) 2)

11.0 Deck Requirements

During science missions there is sometimes a need to carry equipment that is large and that needs to be stored on the deck of the vessel.

Criteria	Yes	No
11.1 Does the vessel have work space on deck for science personnel operations?		
11.2 Does vessel have space on deck for the storage of scientific equipment?		
11.3 Does the vessel have mechanisms to secure equipment on its' deck?		



11.4 Does the vessel have at least one (1) clean salt and fresh water supply on deck?		
11.5 Does the vessel have an enclosed space for deployment, recovery and sampling of/with science equipment?		
11.6 Does the vessel have a dedicated area for sampling with minimum dimensions of 2.4m X 2.4m [8ft X 8ft]. with a minimum overhead height of 2.4m [8ft]?		

12.0 Deck Power Specifications

12.1 Does the vessel have the following power specification available on the work deck:			
Criteria/Specifications	Yes	No	Plug Type
12.1a 440VAC 60A			
12.1b 440VAC 30A			
12.1c 600VAC 100A			
12.1d 600VAC 60A			
12.1e 230VAC 60A			
12.1f 230VAC 30A			
12.1g 120VAC 60A			
12.1h 120VAC 30A			
12.1i Other power specification(s) (please specify)			

13.0 Internal Storage Options

During some science missions there are large quantities of equipment and sample boxes taken along. Science personnel may require a place to store these boxes and crates but still have them accessible at sea. Some of these boxes will have extra sample vials, spare equipment, etc.

Criteria/Specifications	Yes	No
13.1 Does the vessel have dry storage space for science equipment?		
13.2 Are dry storage spaces accessible while at sea?		

Criteria/Specifications	Specification
13.3 How many storage spaces are available for science personnel?	
13.4 What is the approximate size of storage space openings? (m)	
13.5 Where are these spaces located on the vessel? (i.e. what deck(s) are they located on?)	



14.0 Vessel Mounted Transducers and Systems

Science operations may have equipment lowered to, or near to, the ocean floor. When this equipment is deployed on or near the ocean floor there is a requirement for reliable bottom tracking capabilities.

Criteria – Does the vessel have:	Yes	No	Make, Model and Frequency
14.1 A hull mounted Acoustic Doppler Current Profiler (ADCP) and data acquisition system?			
14.2 Multibeam sonar			
14.3 Single beam sonar			
14.4 Wide band sonar			
14.5 Sound velocity profiling capabilities			
14.6 A 12 kHz transducer			
14.7 A 3.5 kHz transducer			
14.8 An acoustic release transducer			
14.9 An EK60 transducer suite			
14.10 An EK80 transducer suite			
14.11 Does the vessel have a trawl monitoring system? <i>Note: If yes, please specify the make and model of sensors (i.e. trawl sonar, headline, door width, etc.) in the comments section</i>			

15.0 Science Onboard

During some science missions, scientific observer(s) may be required onboard. To ensure that correct sampling protocols are followed, these observers may conduct their surveys from the bridge or at other locations onboard.

Criteria/Specifications	Yes	No
15.1 Does the vessel allow science personnel access to the bridge for work purposes?		
15.2 Is there a work station on the bridge for science personnel to use?		
15.3 Is there a source of power on the bridge for science personnel to use?		
15.4 Is there a network feed and navigation feed for science personnel on the bridge?		



15.5 Is there a safe location indoors other than the bridge that a science observer could be stationed?		
15.6 Is there a safe location on deck that is sheltered where science observers could be stationed?		
15.7 Is there a safe location on deck that is not sheltered where science observers could be stationed?		

16.0 Onboard Communications

Some science operations involve lifting and lowering of specialized and or/heavy equipment. In addition to general ship announcements, there may be a requirement for constant communications between the deck and the bridge.

Criteria/Specifications	VHF/UHF	Intercom	Other
16.1 Please indicate if a reliable communication system is in place for communication between the labs, deck and bridge. <i>Note: Reception must be available on all critical areas onboard</i>			

17.0 Outfitted Ship Tackle (Rigging, Lines, Rope, Cabling etc.)

Criteria/Specifications	Yes	No	Comments
17.1 Does the vessel have blocks available for science personnel to use? <i>Note: Please specify max capacity in the comments section</i>			
17.2 Does the vessel have metering blocks that are sized to fit the winch (if equipped) wires?			

18.0 Fishing and Fishing Equipment

Criteria/Specifications	Yes	No	Comments
18.1 Is the vessel equipped with tanks/holds for caught fish?			
18.2 Is the vessel equipped with a stern trawl ramp?			
18.3 Is the vessel equipped with warp winches I. Specify warp length II. Specify warp wire diameter			I.) II.)
18.4 Is the vessel equipped with a stern gantry?			



18.5 Is the vessel equipped with an outhaul boom for towing the trawl off the deck?			
18.6 Is the vessel equipped with trawl doors or otter boards. If so please specify type (i.e. bottom or mid water), make, model and weight.			
18.7 Is the vessel equipped with a net drum winch?			
18.8 Is the vessel equipped with sweep line winches?			
18.9 Is the vessel equipped with trawling gallows or ice davit(s) with trawling sheave(s)? (please specify)			
18.10 Is the vessel equipped with sheaves fitted to trawl warp wires?			
18.11 What depth is the vessel able to trawl to? (m)			

18.12 Is the vessel capable of conducting the following fishing activities?			
Criteria/Specifications	Yes	No	Comments
18.12a Bottom trawl			
I. Western IIA trawl			
II. Campelen trawl			
III. Nephrops trawl			
IV. Other			
18.12b Mid Water Trawl			
I. NESS, Tucker/Multi-net trawl			
II. Other			
18.12c Trolling			
18.12d Trapping			
18.12e Seine			
18.12f Long line			
18.12g Other (please specify)			

19.0 Additional Equipment

Some scientific missions require specific equipment onboard to collect the appropriate data. Specific equipment installation may be requested as part of the RFP process. Please specify if the vessel owner is willing to complete the following options.

Installation of Permanent Equipment	Yes	No
19.1 Installation of new equipment on deck (cranes, winches etc.)		
19.2 Installation of new equipment on the bridge (electronics, work stations etc.)		



19.3 Installation of new equipment in designated laboratory space (conveyers etc.)		
19.4 Installation of new equipment in storage areas below deck (pumps, racks etc.)		
19.5 Installation of new equipment to the hull (flow meters, booms etc.)		

Installation of Removable Equipment (non-permanent)	Yes	No
19.6 Installation of equipment on deck (tables, containers etc.)		
19.7 Installation of equipment on the bridge (electronics, work stations etc.)		
19.8 Installation of equipment in designated laboratory space (electronics, tables etc.)		
19.9 Installation of equipment in storage areas below deck (fridge, lab equipment etc.)		
19.10 Installation of equipment to the hull (sensors, measurement devices etc.)		

Options At-Cost to the Vessel Owner	Yes	No
19.11 New installation of permanently installed equipment at a cost <\$10,000		
19.12 Upgrade of existing permanently installed equipment at a cost <\$10,000		
19.13 New installation of permanently installed equipment at a cost <\$30,000		
19.14 Upgrade of existing permanently installed equipment at a cost <\$30,000		
19.15 New installation of permanently installed equipment at a cost <\$50,000		
19.16 Upgrade of existing permanently installed equipment at a cost <\$50,000		
19.17 New installation of permanently installed equipment at a cost <\$100,000		
19.18 Upgrade of existing permanently installed equipment at a cost <\$100,000		
19.19 New installation of permanently installed equipment at a cost >\$100,000		
19.20 Upgrade of existing permanently installed equipment at a cost >\$100,000		