



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne



## Renewing Coast Guard's Fleet

# Fleet Supported Missions



**Icebreaking**



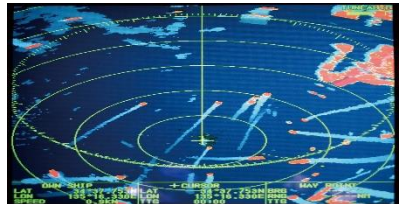
**Search and Rescue**



**Environmental Response**



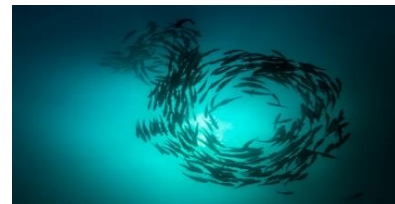
**Aids to Navigation**



**Marine Traffic Management**



**Shipping Channel Maintenance**



**Ocean and Fisheries Science**



**Support to other Government Missions**

**Coast Guard services are critical to the Canadian economy, the marine environment and maritime safety.**



## Large Ships



**Polar Icebreaker**



**Program Icebreakers**



**Multi-Purpose Vessels**



**AOPS (CCG Variant)**



**Offshore Oceanographic Science Vessels**



**Offshore Fisheries Science Vessels**

## Small Ships



**Mid-Shore Multi-Mission**



**Mid-Shore Patrol Vessels**



**Search and Rescue Lifeboats**



**Channel Survey and Sounding Vessels**



**Near-Shore Fishery Research Vessels**



**Special NavAids Vessels**



**Air Cushion Vehicles**



**Specialty Vessels**



- **In 2019, it was announced that 24 new large ships would be built to renew the Coast Guard fleet.**
  - 2 Arctic Offshore Patrol Ships (CCG Variant) at Irving Shipbuilding Inc.
  - Up to 16 Multi-Purpose Vessels at Seaspan's Vancouver Shipyards.
  - Up to 6 Program Icebreakers to be built at a third Canadian shipyard.
- **Coast Guard is also advancing interim and supporting measures to ensure the existing fleet continues to deliver critical services until new ships are delivered.**
  - A comprehensive Vessel Life Extension (VLE) program for existing ships.
  - Three commercial icebreakers to backfill existing ships during refit and VLEs.
  - Procurement process to acquire a light icebreaker is underway. Acquisition Request for Proposal was re-tendered to industry in September 2020.

**The Coast Guard is fully committed to maintain its service levels while new ships are built.**



# Offshore Fisheries Science Vessels



**Delivery of the third fisheries science vessel, CCGS *John Cabot*, in October 2020, marked the completion of the first large ship procurement project under Canada's National Shipbuilding Strategy. Coast Guard accepted CCGS *Sir John Franklin* in June 2019, and CCGS *Captain Jacques Cartier* in November 2019.**



## Expected Features

- Length: 87 m
- Beam: 17 m
- Draft: 6.2 m
- Notional Ice Class: PC6
- Range: 12,000 nm
- Max speed: 13+ Knots
- Accommodates: 60

## Missions:

- Primary offshore oceanographic science platform, supporting oceanographic, geological and hydrographic survey missions.
- Contributing directly to understanding of oceans and impacts of climate change.
- Offshore support for search and rescue, environmental and emergency response.





## Expected Features

- Length: 150 m
- Beam: 28 m
- Draft: 10.5 m
- Notional Ice Class: PC2, Icebreaker+
- Range: 30,000 nm
- Max speed: 18+ Knots
- Accommodates 100 (60 crew, 40 program personnel)

## Missions:

- Provide a sovereignty and security presence in Canada's Arctic.
- Support Arctic science and provides a platform for partnership on missions from other government departments and agencies.
- Resupply remote Northern communities with essential goods, assisting in economic and commercial development
- Deliver Canadian Coast Guard services, such as search and rescue, and environmental and emergency response





## Expected Features

- Length: 100 - 110 m
- Beam: 20 – 22 m
- Draft: ~7.5 m
- Notional Ice Class: PC3/4, Icebreaker
- Range: 20,000 nm
- Max speed: 16+ Knots
- Accommodates 75 - 80

## Missions:

- Support icebreaking in southern Canada and the Arctic.
- Support hydrographic and charting missions in the Arctic.
- Additional support for program delivery, including search and rescue, environmental response and aids to navigation.







## Expected Features

- Length: 103 m
- Beam: 19 m
- Draft: ~5 m
- Ice Class: PC5
- Range: 7,000-10,000 nm
- Max Speed: 17 kts
- Accommodates: 51

## Missions:

- Support to east-coast offshore fisheries protection and search and rescue.
- AOPS will allow the Coast Guard to extend its patrol capability in the low Arctic.



Photo: Irving Shipbuilding Inc.

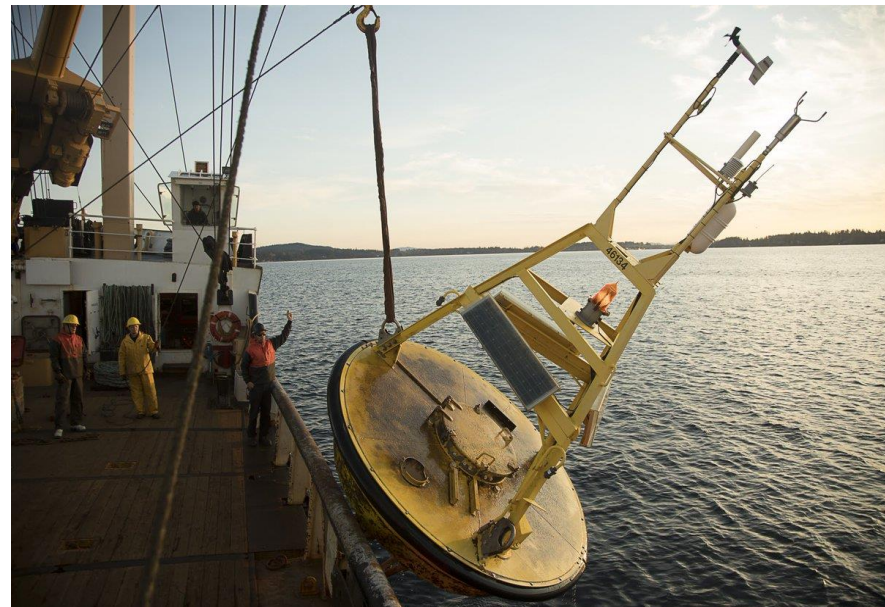


## Expected Features

- Length: 80 - 90 m
- Beam: Up to St. Lawrence Seaway System maximum
- Draft: ~6.0 m
- Notional Ice Class: PC5, Icebreaker
- Range: 10,000 nm @ 12 Knots
- Max speed: 16+ Knots
- Accommodates: 48

## Missions:

- Primary support to icebreaking, aids to navigation, environmental response and search and rescue, charting and hydrographic work.
- Offshore support for search and rescue, emergency response and security.





## Expected Features

- Length: ~50 m
- Beam: ~14 m
- Draft: ~3.5 – 4.5 m
- Notional Ice Class: PC6/7, Icebreaker
- Range: ~3500 nm
- Max speed: 13 Knots
- Accommodates: 25

## Missions:

- Support icebreaking and buoy tending in areas of shallow water.
- Provide year-round support to critical science missions.





- Offshore Oceanographic Science Vessel
  - Currently in final stages of pre-construction engineering work for the build phase.
- Polar Icebreaker
  - Exploring procurement options to ensure the ship is built in the most efficient manner.
- Program Icebreakers (PIB)
  - Concept development is underway. A delivery schedule will be available following negotiations with the 3<sup>rd</sup> NSS shipyard.
- Arctic and Offshore Patrol Ships (AOPS)
  - Minor design changes being implemented to tailor the ship to Coast Guard requirements. Delivery will take place following the delivery of the Royal Canadian Navy's 6th AOPS.
- Multi-Purpose Vessel (MPV)
  - Concept development is underway. The first MPV will be delivered following the delivery of the Royal Canadian Navy's 2nd Joint Supply Ship.
- Mid-Shore Multi-Mission (MSMM)
  - Concept development is underway. Approval and funding to build the MSMM has not yet been granted.

**The renewal of the Coast Guard fleet is underway.**



# Conclusion



**Coast Guard is working to have the ships it needs, when it needs them.**