



Fisheries and Oceans
Canada

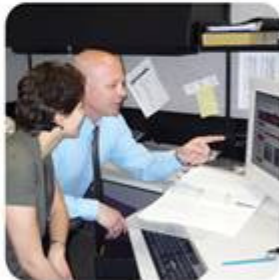
Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne



Safety First, Service Always



Presentation to FARO

Montréal
21 April 2012

Canada 

Background



- **National Shipbuilding Procurement Strategy**
 - Announced October 2011
 - Vancouver Shipyards Co. Ltd awarded 25-year contract for all new large civilian vessel construction for Government of Canada
 - Refits and modifications to existing ships and construction of small vessels will continue to be contracted out to various shipyards
- **Polar Icebreaker**
 - In design phase
- **CCG Fleet Renewal**
 - Last month's Budget announced by the Government includes new funding of \$5.2 Billion over next 11 years for construction of new vessels and helicopters for CCG

Status of Icebreaker Operations in the Arctic



- *CCGS Amundsen*
 - Out of service for one year to replace most of the diesel propulsion engines
 - Planned ArcticNet activities were reduced this year and can be supported by other icebreakers
- **UNCLOS surveys drawing to a close**
- **Ship time for research provided on opportunity basis this year**
- **Regular Arctic operations continuing**

Coast Guard Fleet Renewal Plan



- **Orderly replacement of large ships**
 - One ship yard
 - Reduced time lines for construction
 - Stabilizes unit costs
- **Move towards Classes of vessels**
 - Reduces complexity of many “one-offs”
 - Increased redundancy of equipment will reduce requirement for training and permit flexibility to move personnel around the fleet
 - Reduces construction time
 - Overall reduction in cost

Polar Icebreaker – Preliminary Design Characteristics



To be built to Polar Guidelines and Polar Cass Rules

Vessel delivery: 2017

Currently in Confirmation of Design Phase

- Length Overall 149.4m
- Beam 28.0m
- Draft 10.5m
- Displacement 23,650 tonnes
- Design Shaft HP 30,000 KW
- Performance: 3 knots continuous speed in 2.5 ice
- Design Considerations:
 - Hull Form
 - Propulsion System
- Operational Season: 9 months throughout the year
- Extent of Operations: (Refer to next slide)

Extent of Operations (based in Nanasivik with full fuel and heaviest ice conditions)

