



Defence Research and
Development Canada

Recherche et développement
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CFAV QUEST – Scientific Program Synopsis

By

Yves Perron, P.Eng., PMP

Manager / Technical Services

DRDC Atlantic



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Outline

- DRDC Agency transformation
- CFAV QUEST – General Description
- FY 12/13 Program (Last year)
- FY 13/14 Program (This year)
- FY 14/15 Program
- Replacement program issues

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Agency Transformation

- 8 research centers to one agency concept
- Staff reduction last year (FY 2012-2013)
- Further budget reduction this year (FY 2013- 2014)
- New program formulation process
 - Targeted science to Canadian Armed Forces effects
 - New common processes and economies of scale between centers
 - Science planning
 - Procurement Service centers
 - HR, infrastructure management, capability management processes being revamped
- leaner organization delivering required science

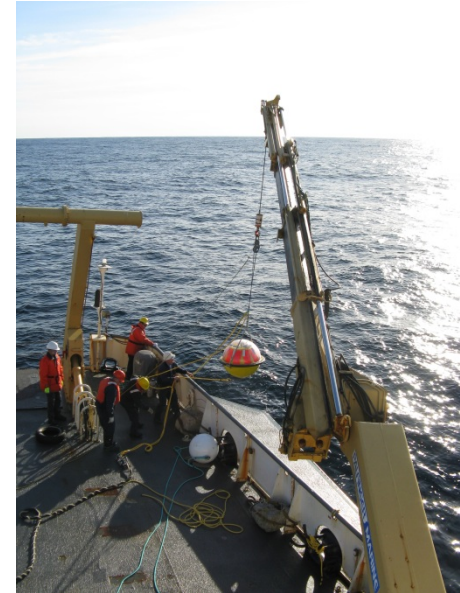
CFAV QUEST – General Description

- General purpose acoustically quiet research vessel
- Commissioned 1969
- Dimensions
 - Length Overall: 77.1 meters (252' 11 ¼")
 - Length Between Perpendiculars: 71.62 meters (235')
 - Breadth, Moulded: 12.8 meters (42')
 - Deep Draft: 5.64 meters (18'6")
 - Displacement: 2200 Tons
 - Electric DC propulsion
 - Accommodation for 44 (20 scientific, 24 crew)



FY 12/13 Program (Last year)

- 132 sea days
- Deployment to Gascoyne Inlet, Lancaster Sound, Canadian High Arctic in support of NW Technology Demonstration Project (TDP)
- Deployment to AUTEC in support of Acoustic research work on multi-static sonar and AMASE TDP
- Deployment to Scotia Shelf (Atlantic) in support of wave measurement / operator guidance system development
- Deployment to local waters off Halifax, NS in support of maritime situational awareness research work



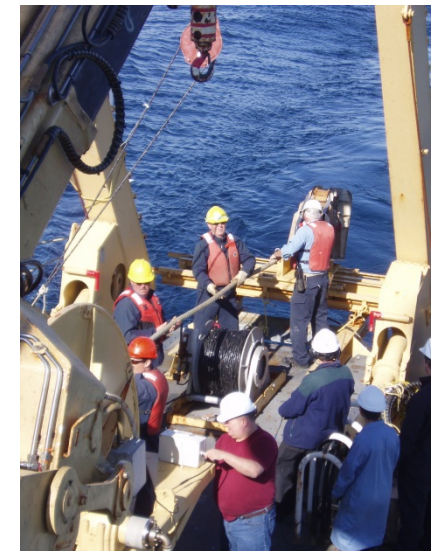
FY 13/14 Program (This year)

- Planning for 93 sea days
- Q350 - Deployment in support of multi-static acoustic and littoral acoustic measurement and signal processing – Panama City, FL (RV SHARP collaboration)
- Q351 – Deployment in support of UW signature management system development and AMASE TDP de-risk equipment support (RV PLANET collaboration)
- Q353 – Deployment in support of LOCATES TDP (laser detection technology development)
- Q354 – Deployment in support of Canadian Atlantic Fleet TGEX and AMASE TDP



FY 14/15 Program

- Planning for 138 sea days
- Deployment in support of NW TDP, Environment Canada, Canadian Hydrographic Survey to the Canadian High Arctic
- Deployment in support of AMASE TDP (location tbd)
- Ship schedule for a 21 week docking



Replacement program issues

- June 2012 – Last senior review board (SRB) sought program support for \$580M over 12 years to fund replacement for CFAV QUEST – failed to obtain agreement
- Sept 2012 – Replacement project placed in abeyance until maintenance management organization could respond to life expectancy question
- January 2013 – Project team requested to seek other options for QUEST including feasibility of another ML refit, leasing, etc...
- June 2013 – DRDC deliberating on recommendation to SRB to kill replacement project given lack of resources and manpower (government and organizational cut backs)

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