



Ocean Class AGOR Program Acquisition Status

Prepared by PEO Ships, PMS325Q
For UNOLS Research Vessel Operators' Committee
20 April 2010





Ocean Class AGOR Agenda

- Status of Source Selection
- Review of Specification Changes
- Acquisition Schedule
- Profile of Phase I Awardees
 - Marinette Marine Corporation
 - Dakota Creek Industries Inc.
- Proposed UNOLS Representation
- Proposed Operator Representation



Ocean Class AGOR Status of Source Selection

- Phase I/II Solicitation
 - Released 24 Apr 2009
 - Proposals received 24 Jun 2009
 - Phase I: Preliminary/Contract Design
 - Contract awards – 27 Jan 2010
 - Post award conference* – 25 Feb 2010, 8 Mar 2010
 - First design review* – 27 Apr 2010, 12 May 2010
 - Phase II: Detail Design and Construction
 - Contract award ~ FY 2011, Q3
- Deliveries:
 - FY 2014

Note *: Listed in order of: MMC, DCI



Ocean Class AGOR Review of Community Inputs

- UNOLS Community Input
 - Mar 2003 Ocean Class Science Mission Requirements (v 1.0)
 - Mar 2005 Ocean Class Hull Evaluation Project - UNOLS Reco.
 - Jul 2004 Navy Ocean Class Phase II Study
 - Jul 2006 Preliminary ADA Guidelines for Regional Class Vessels
 - Aug 2007 Ocean Class Science Mission Requirements (v 1.1)
 - Feb 2008 ADA Guidelines for UNOLS Vessels (Final)
 - Oct 2008 UNOLS review of System Specification
 - Oct 2008 science berths (FIC mtg)
 - Oct 2009 Ocean Class SMR – Table of Values and Priorities
 - Oct 2009 UNOLS Load Handling Study – Functional Requirements
 - Dec 2009 Preliminary RVSS Appendix B
- Under review
 - Mar 2009 Uncontaminated seawater system (FIC mtg)
 - Oct 2009 Greening the Fleet

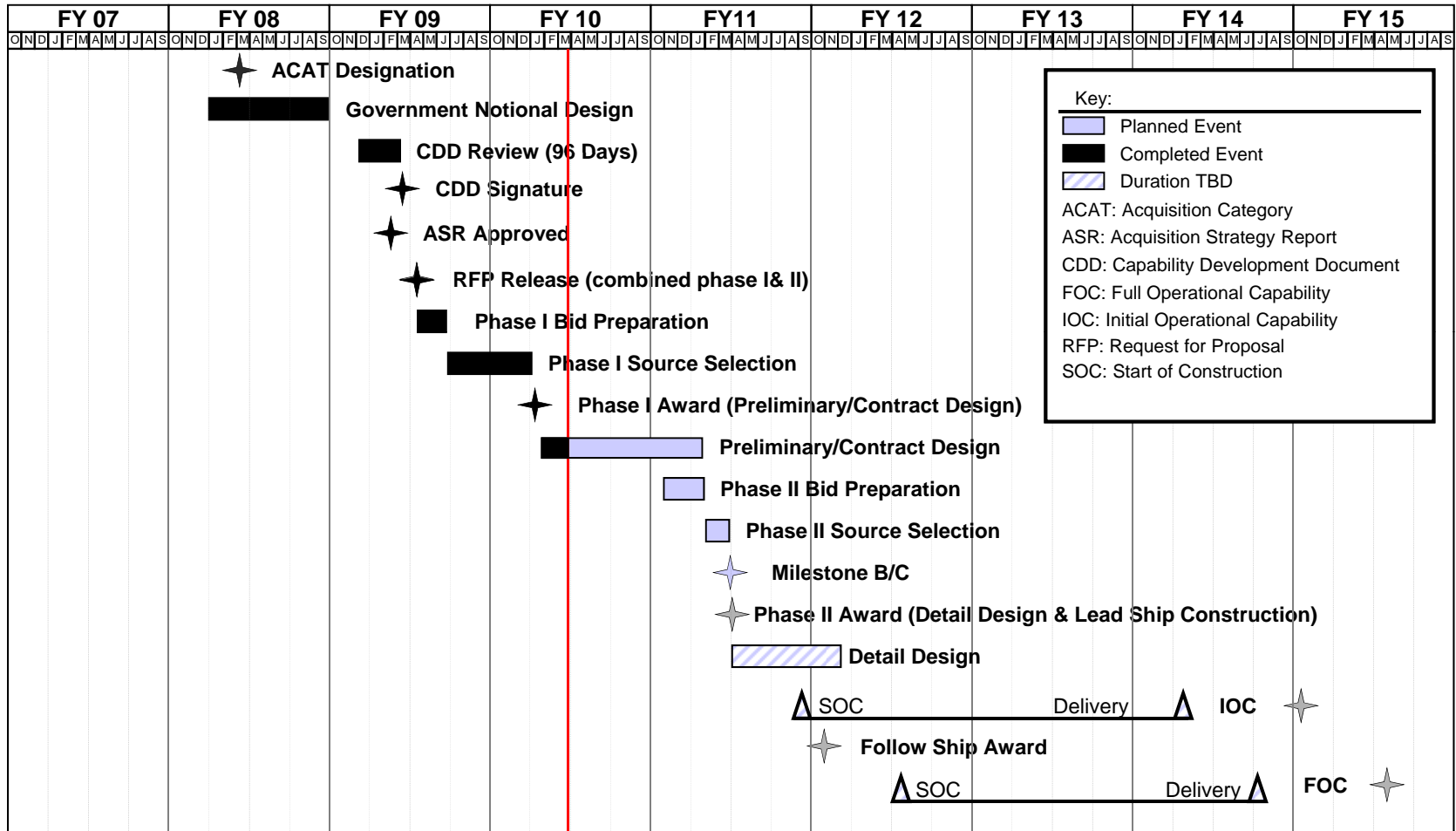


Ocean Class AGOR History of Specification Development

Version 1.0	25 Sep 2008	SMR 1.0, SMR 1.1, ADA Guidelines, RCRV, AGOR 26
Version 1.1	30 Oct 2008	UNOLS review, acoustic requirements
Version 1.2	12 Nov 2008	order of precedence
Version 1.3	14 Jan 2009	electrical, propulsion system
Version 1.4	06 Apr 2009	pollution control equipment <i>(Solicitation release)</i>
Version 1.5	22 May 2009	freshwater system <i>(Solicitation Amendment 0003)</i>
Version 1.6	08 Oct 2009	regulatory body requirements, testing <i>(Phase I contract award version)</i>
Version 1.7	23 Feb 2009	UNOLS Load Handling Study <i>(Phase I modification P00001)</i>
Version 1.8	Date TBD	sonar arrangement <i>(Phase I modification TBD)</i>



Ocean Class AGOR Acquisition Schedule





Ocean Class AGOR Marinette Marine Corporation (MMC) Profile

- Name: Marinette Marine Corporation (*Fincantieri Marine Group*)
- Location: Marinette, WI
- Production Employees: 576
- Sister Shipyards: Bay Shipbuilding Co (Sturgeon Bay, WI), Cleveland Ship Repair (Cleveland, OH), ACE (Aluminum Center of Excellence) Marine (Green Bay, WI)
- Products: Great Lakes Ice Breaker, buoy tenders, LCS, ARRV



Ocean Class AGOR MMC - Products

Shipyard: Marinette Marine Corp.

Design Agent: Glosten Associates



**CGC MACKINAW (WLBB 30
Great Lakes Ice Breaker)**

Length: 240 ft

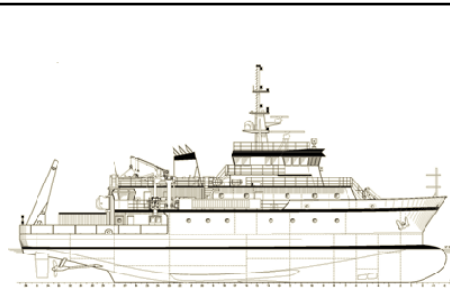
Beam: 58 ft

Displacement: 3350 LT

Designer: USCG/MMC

Builder: Marinette Marine

Delivered: June 2006



**Regional Class Research Vessel
(RCRV)**

Length: 155 ft

Beam: 38 ft

Displacement: 1035 LT

Designer: Glosten Associates

Builder: Nichols Brothers

Delivered: TBD



**CGC HENRY BLAKE (WLM 563
Coastal Buoy Tender)**

Length: 175 ft

Beam: 36 ft

Displacement: 845 LT

Designer: USCG/MMC

Builder: Marinette Marine

Delivered: May 2000



**Alaska Region Research Vessel
(ARRV)**

Length: 242 ft

Beam: 52 ft

Displacement: 3375 LT

Designer: Glosten Associates

Builder: Marinette Marine

Delivered: planned Jan 2013



Ocean Class AGOR MMC - Products

Shipyard: Marinette Marine Corp.

Design Agent: Glosten Associates



USS FREEDOM (LCS 1)
 Length: 115 (379) m (ft)
 Beam: 13 (43) m (ft)
 Draft: 4 (12.8) m (ft)
 Displacement: 3089 LT
 Builder: Marinette Marine
 Designer: Gibbs & Cox
 Delivered: 2008



**JOIDES Resolution
Science Ocean Drill Vessel**
 Length: 143 (469) m (ft)
 Beam: 21 (69) m (ft)
 Displacement: 9449 ST
 Builder: Halifax Shipyard (N.S., Can)
 Designer: Glosten Assoc.
 Delivered: 1978



**Alaska Region Research
Vessel (ARRV)**
 Length: 242 ft
 Beam: 52 ft
 Displacement: 3375 LT
 Designer: Glosten Associates
 Builder: Marinette Marine
 Delivered: planned Jan 2013



FLIP (manned spar buoy)
 Length: 355 ft
 Beam: N/A
 Draft: N/A
 Builder: Gunderson Bros.
Eng. Corp. (Seattle, WA)
 Designer: Glosten Assoc.
 Delivered: 1962



Ocean Class AGOR DCI - Dakota Creek Industries Company Profile

- Name: Dakota Creek Industries, Inc.
- Location: Anacortes, WA
- Production Employees: 383
- Products: offshore support vessels, research vessels, tugs, fishing vessels, ferries



Ocean Class AGOR DCI - Products

Shipyard: Dakota Creek Industries

Design Agent: Guido Perla Associates



Regional Class Research Vessel (RCRV)
 Length: 155 ft
 Beam: ft
 Displacement: LT
 Designer: Guido Perla Associates
 Builder: Dakota Creek Industries
 Delivered: TBD



Regional Class Research Vessel (RCRV)
 Length: 155 ft
 Beam: ft
 Displacement: LT
 Designer: Guido Perla Associates
 Builder: Dakota Creek Industries
 Delivered: TBD



R/V HUGH SHARP
 Length Overall 146' (44.5M)
 Beam Overall 32' (9.8M)
 Draft 8'-10" light
 Designer: Bay Marine, Inc.
 Builder: Dakota Creek Industries
 Delivered: 2006



R/V KILO MOANA (AGOR 26)
 Length: 55.5 m (182 ft)
 Beam: 26.8 m (88 ft)
 Displacement: LT
 Designer: Guido Perla Assoc.
 Builder: Atlantic Marine, Inc.
 Delivered: 2002



Ocean Class AGOR DCI - Products

Shipyard: Dakota Creek Industries

Design Agent: Guido Perla Associates



US Navy SEAJET
 Length: m (133 ft)
 Beam: m (ft)
 Displacement: 120 LT
 Builder: Dakota Creek Industries
 Designer:
 Delivered:



US Navy SEA FLYER
 Length: 51.0 m (167 ft)
 Beam 13.1 m (43 ft)
 Displacement: 270 LT
 Builder: Navatek Ships Ltd.
 Designer: Guido Perla Assoc.
 Delivered:



GRANT CANDIES (Inspection, Maintenance & Repair Vessel)
 Length: m (292 ft)
 Beam: m (59 ft)
 Displacement: 120 LT
 Builder: Dakota Creek Industries
 Designer: Otto Candies, LLC
 Delivered: 2008



GPA 696 IMR - Inspection, Maintenance & Repair
 Length:
 Beam:
 Displacement: LT
 Builder:
 Designer: Guido Perla Assoc.
 Delivered:



Ocean Class AGOR ONR/UNOLS “At-Large” Representation

- ONR appointed Mike Prince as Research Facilities Assistant (ONR Code 321RF) as an IPA
 - Reports to Tim Schnoor at ONR and works with Chris MacDonald at PEO Ships.
 - Contact info: jonathan.m.prince@navy.mil; office phone at CIRPAS/NPS 831-384-2776 ext 43; mobile phone 571-329-4761
 - Represent the interests of ONR and the broader UNOLS community during the Ocean Class AGOR design and construction process.
 - Coordinate with Operator representatives during design reviews and construction.
- Responsibilities to include:
 - Phase I: Preliminary/Contract Design
 - Attend design reviews to be held once every 3 months at each Contractor’s facility (multiple designs)
 - Assist with review of data deliverables (drawings, plans, calculations)
 - Provide input on Science Mission Systems equipment selections and schedules for installation
 - Phase II: Detail Design and Construction
 - Attend design reviews to be held once every 2 months at construction facility
 - Assist with review of data deliverables (drawings, plans, calculations)



Ocean Class AGOR Proposed UNOLS Operator Representation

- PEO Ships requested Phase I/II UNOLS Operator Ocean Class AGOR Representatives in Oct 2008
- Responsibilities to include:
 - Phase I: Preliminary/Contract Design
 - Once selected, attend design reviews to be held once every 3 months at each Contractor's facility (multiple designs)
 - Assist with review of data deliverables (drawings, plans, calculations)
 - Provide input on Science Mission Systems equipment selections and schedules for installation
 - Phase II: Detail Design and Construction
 - Represent UNOLS and home institution with on-site Government team at construction facility during construction of vessels
 - Attend design reviews to be held once every 2 months at construction facility
 - Assist with review of data deliverables (drawings, plans, calculations)
 - Assist with review of vendor recommended spares listings and commercial off-the-shelf technical manuals
 - Assist with receipt, inspection, and verification of load-out of spares and equipment
 - Collaborate with Government team to develop Post Delivery Schedule, including Mission Trials



Ocean Class AGOR Q&A

- Questions?