
SPAR Scuttlebutt

July 2015

Royal Canadian Navy & Canadian Coast Guard

SPAR has been awarded a three (3) year contract, with two option years, to provide Canada, as represented by Public Works and Government Services Canada, under the National Shipbuilding Procurement Strategy (NSPS), with Earned Value Management ("EVM") support services during the construction of new government vessels: a series of three OFSV Offshore Fisheries Science Vessels, one OOSV Offshore Oceanographic Science Vessel, a series of three JSS Joint Support Ship fleet oilers, and a polar icebreaker. These ships will all be built at the Vancouver Ship Yard, Vancouver, BC.

SPAR will be an active participant in the EVM Integrated Product Team at the shipyard, reviewing shipyard EVM reports and data each week, providing independent EVM reports and forecasts each month using SPAR's shipbuilding PERCEPTION® ERP/EVM system, and providing briefings and attending meetings as required by the Canadian Government.

Cost Estimating Contracts

SPAR has awarded several contracts to provide cost

estimates and price to win services for designing and building various U.S. military vessels. These estimates were generated using SPAR's parametric cost models, each customized to meet the requirements for the specific types of vessels being estimated.

In addition to the lead vessel cost estimate, services were provided to estimate costs for a multiple vessel production run from lead vessel to limited production rates and finally to a full production rate within a program overall delivery plan. These services generate estimates of annual funding requirements as well as estimated delivery schedules.

ABS Consulting Group

ABS Consulting Group has purchased SPAR's ship repair/overhaul library of cost estimating relationships (CERs) and its ship repair, maintenance, and modernization cost model. ABS will use these data tools in their efforts to estimate and evaluate proposed changes to ship operating and design regulations being considered by the USCG.

MARAD Maritime Academy Training Ships

SPAR has been awarded a contract by the U.S. Maritime Administration (MARAD), as a subcontractor to Herbert Engineering, to produce independent cost estimates for replacing five training ships being considered by MARAD for the five U.S. maritime academies.

Two separate concept designs and cost estimates are being prepared: one for a new class of training vessels, and one for a potential conversion of T-5 tankers.

Lung Teh Shipbuilding Co., Ltd.

The Lung Teh Shipbuilding, Taipei, Taiwan, has purchased SPAR's PERCEPTION ERP/EVM system for planning and managing its expanding shipbuilding operations. The system has been implemented to use the Chinese character set and is sufficiently flexible to accommodate the unique operational requirements of the shipyard.

In addition to implementing PERCEPTION into the shipyard, SPAR also provided cost estimates for building 26 meter SWATH crew boats.

SPAR's Life Cycle Cost Models

SPAR has completed major upgrades to its life cycle cost

"Over 40 Years of Providing Planning & Production Management Systems to Shipyards"

estimating software. The LCC features have been expanded to include charts showing both annual and cumulative cost estimates for total life cycle costs, from construction through operations, maintenance, upgrades and modernization and finally decommissioning and disposal.

In addition, for multi-ship multi-delivery acquisition programs, other charts show similar annual and cumulative cost estimates for the full life cycles of all vessels included in the acquisition program.

A revised [presentation](#) of these new features can be viewed from SPAR's web site.

[On-Line Software Demos & Training](#)

SPAR has provided a series of on-line software demos and training exercises to shipyards in Asia, India and within the U.S. using the WebEx system over the Internet. WebEx provides a very clear and responsive transmission of on-line demonstration and training details, video and audio features between SPAR staff and shipyard personnel.

[Cost Estimating Services](#)

SPAR provides cost estimating services for ships: new construction, ship repair, maintenance, modernization and for life cycle operations. SPAR has developed various cost models that address the requirements of all these activities. SPAR has provided independent cost estimates for

design agents, shipyards, shipping companies, and for government agencies (U.S. Navy, USCG and for MARAD and Canadian Coast Guard).

SPAR's cost estimating includes assessments of cost risk from technical, design and engineering, build strategy and shipyard management and production performance considerations.

SPAR's more recent cost models provide various options for minimizing life cycle costs via selections of alternative ship systems, changes in ship mission/operations requirements, and differences in build strategies. These cost models generate estimates of cost implications for maximizing material readiness and achieving or exceeding service life.

Cost model options also are available for estimating costs and benefits of various "green" sub-systems that can be included in the design and operation of the ship.



SPAR's representatives in India, **Varuna Management Consultants** has fielded their new [web site](#). They provide a full range of services to the marine industry. Varuna markets SPAR products and services as well as provides shipyard ERP evaluations and implementations.

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[SPAR Associates, Inc.](#)

SPAR has been providing shipyard production planning and management control software since 1972. In addition to its software products, SPAR offers a variety of support services, including custom software design and development; training and software maintenance services; independent cost estimating; supplemental shipyard planning and scheduling services; and management consulting to various interests in the marine industries.

We are always available to address whatever questions that you might have. Your success is ours.

[SPAR Publications](#)

SPAR offers free downloads of its software user manuals, user tutorials and product/service presentation from its web site www.sparusa.com.

In addition, SPAR has the following publications available for order to help shipyards plan and manage their operations:

- **"Estimating Coating Costs for Ships: Simple Methods for Estimating Ship Surface Areas"**
(US(\$50.00))
- **"Planning New Construction & Major Ship Conversion"**
(US \$75.00)
- **"Shipyard Cost Estimating"**

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| <ul style="list-style-type: none"> (US \$125.00) • "Guide for Shipyard Material Control"
(US \$75.00) • "Full Implementation of a Shipbuilder's Earned Value Management System (EVMS)"
(US \$75.00) | <ul style="list-style-type: none"> • Comparing Methods of Measuring Progress, Earned Values & Estimates at Completion (EAC)" <i>FREE</i> • "Expanded Modularization, Ship Design & Construction"
(US \$75.00) |
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All publications are available in pdf file format via electronic mail.

Publications requiring purchase are processed on the web site via PayPal.

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