

PERISCOPE & FLIGHT DECK

A Newport News Shipbuilding Supplier Publication | August 2015

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Newport News Shipbuilding

Greetings Newport News Shipbuilding (NNS) Suppliers,

NNS has long been a proud shipbuilder for the U.S. Navy's fleet of submarines and aircraft carriers. We could not have been successful without **your continued support** whether you provide materials and services directly for shipbuilding or supporting our shipyard facilities. We value your partnership to provide the highest standard of quality to support NNS construction and overhaul of the Navy's fleet of submarines and aircraft carriers.

We developed this newsletter to pass on news, events and information that you will find useful in doing business with NNS. Articles from Supply Chain Management, Engineering and Quality will be featured to provide the most relevant updates at NNS that you may stay informed. The information contained herein and subsequent issues does not modify established contracts, but rather points to those changes cascaded through normal official channels. We look forward to using this communication to build on our partnership for many years to come. Please forward comments and suggestions to SupplierSuggestionBox@hii-nns.com.

Sincerely,


Alma Martinez Fallon,
Director, Supply Chain Procurement


Ray Montgomery,
Director, Technical & Material Engineering


Gary Zimal,
Director, Quality & Technical Services

Latest Newport News Shipbuilding Activities

- HII-NNS Awarded \$564 Million Contract for Submarine Engineering and Industrial Work
<http://newsroom.huntingtoningalls.com/releases/hii-awarded-564-million-contract-for-submarine-engineering-and-industrial-work>
- \$3.35 Billion Contract Signed for Detail Design and Construction of *John F. Kennedy* (CVN 79)
<http://newsroom.huntingtoningalls.com/releases/photo-release-hii-awarded-3-35-billion-contract-for-detail-design-and-construction-of-aircraft-carrier-john-f-kennedy-cvn-79>
- OSHA Recognizes Newport News Shipbuilding for Outstanding Safety and Health Programs. See the link below for more information.
<http://newsroom.huntingtoningalls.com/releases/osha-recognizes-newport-news-shipbuilding-for-outstanding-safety-and-health-programs>
- USS *John Warner* (SSN 785) Delivered Ahead of Schedule
<http://newsroom.huntingtoningalls.com/releases/photo-release-submarine-john-warner-delivered-ahead-of-schedule>



USS *Enterprise* enters Dry Dock 11, the carrier's original birthplace. Photo by Dar Deerfield Mook

Supply Chain Management



New to NNS Online Supplier Training

Newest Revision of NNS Supplier Performance Scorecard Module. Topics include:

- What is a Supplier Performance Scorecard?
- How is the Scorecard Distributed?
- How is the Scorecard Calculated?

For additional information on how to sign-up for Online Supplier Training, please visit:

http://supplier.huntingtoningalls.com/sourcing/sup_training.html



Shipbuilders install the upper rudder on the submarine *South Dakota* (SSN 790). Photo by Ricky Thompson

Introduction to NNS SDCI Program

The NNS Supplier Development and Continuous Improvement Program (SDCI) contributes to the Supply Chain Management mission of developing a healthy supply base, lowering NNS acquisition costs, improve quality and seeks to compress lead times to satisfy planned and emergent demand. The Program's tool sets include:

- On-line / in-person training
- Operational Assessments
- Lessons Learned Events
- The analysis of our shared value stream

The focus is on our shared business processes and a commitment to continuous improvement. The SDCI Program methodically improves our understanding of doing business with one another, seeks supplier clarity to technical requirements and provides the means for the supplier to become a capable, reliable partner to meet both our quality and delivery requirements. Suppliers are selected based upon the improvements both the supplier and/or NNS seeks.

Suppliers can also initiate engagement by contacting any NNS representative or contact us through the NNS SDCI mailbox: NNSSDCI@HII-NNS.com

For additional information on SDCI, please visit: <http://supplier.huntingtoningalls.com/sourcing/SDCI.html>

Did you know?

To help ensure that NNS has your company's most up-to-date contact information for important dissemination, please forward changes to SupplierSuggestionBox@hii-nns.com.



Engineering

Supplier Technical Assessment and Validation (STAV)

In August of 2014, NNS Engineering and Design Division established the Supplier Technical Assessment and Validation (STAV) Program within the Material Engineering Department with a goal of supporting the Supply Chain Procurement and Supplier Quality organizations (internally), and our Suppliers (externally), through an enhanced understanding of the technical capabilities and processes of our Supply Base. This enhanced understanding is obtained through the performance of an on-site technical assessment by a group of Subject Matter Experts (SME), e.g. Engineering, Quality, Machinist, Welding, and NDT, covering over seventy criteria in the areas of Work Control, Manufacturing Controls, Material Management, Inspection, Welding, etc.

The assessment is typically conducted over several days through a pairing of NNS SMEs with equivalent Supplier representatives, allowing for a deep-dive into the capabilities and competencies, people, processes, and...

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One of the first propellers for the *Gerald R. Ford* (CVN 78) is fitted to a shaft in the main Machine Shop. Photo by Ricky Thompson

Did you know?

- [Coded note V1010](#) was updated to provide additional instructions for taking exception to specialty metals DFAR clauses.
- When submitting **Vendor Information Requests (VIR)**, please provide **NNS 15** working days for routine issues and **10** working days for urgent issues. This criteria should be reflected in the date field for "DISP. REQ'D". For additional information, please see the VIR training module.

http://supplier.huntingtoningalls.com/sourcing/sup_training.html

- **SPARS** is a great tool for submitting software to NNS. It reduces cycle time, improves visibility, and best of all it is **free!** If you are not already using it, please follow the link below to sign up for **SPARS**.

<http://supplier.huntingtoningalls.com/sourcing/spars.html>

Material Commonality

NNS Engineering continues to look for opportunities to support US Navy suppliers. As part of its effort to leverage its Engineering capability to help suppliers, NNS created the Material Commonality and Qualification Initiative (MCQI) to support suppliers with qualification, as well as material commonality and other engineering services support.

Since its inception over a year ago, MCQI has speedily and cost effectively completed all types of environmental qualifications (shock, vibration, EMI, temperature, humidity etc.) for various suppliers of Navy equipment. This capability is the result of immense experience with this type of work having been involved with over 8000 shock and vibe qualifications for CVN78 FORD Class alone. With its detailed knowledge of US Navy platforms, MCQI is able to "tailor" tests of supplier's equipment to achieve the right shock load or EMI test set-up and avoid over-testing. In addition, MCQI has vast experience in effectively and ...

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Quality

Steam Plant Cleanliness Control

Steam Plant Cleanliness Control (SPCC) is a method of preventing detrimental material, corrosive products, and foreign material from entering the ship's steam plant. Foreign material is any material not present in the item during normal operation (i.e. temporary markings, grease, scale, dirt, loose particles, even water from an unapproved source).

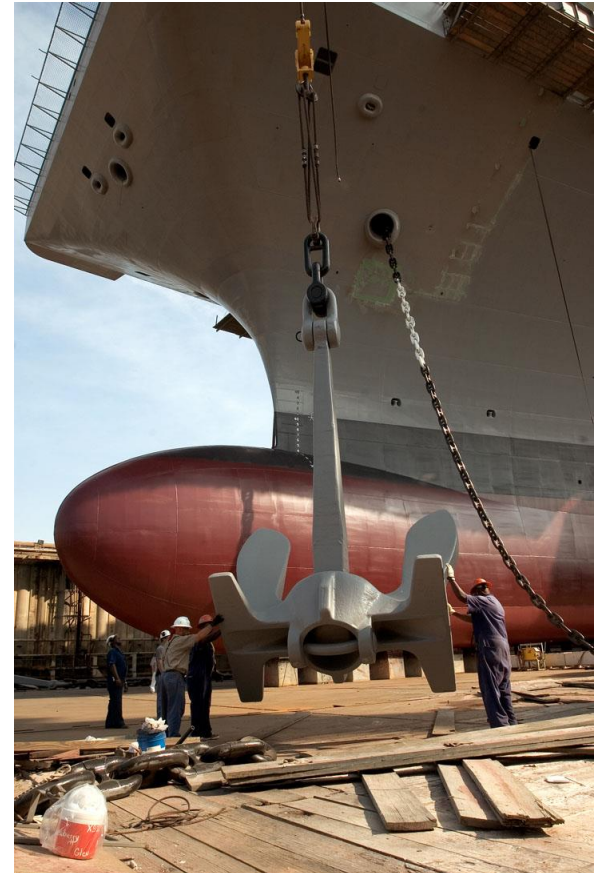
SPCC requirements are invoked on your NNS Purchase Order (PO) as applicable. Please look for: NNS coded notes C1090, IC079, C1110, LI113; Electric Boat standard clauses 16-16, 12-41; and Supplemental Technical Requirements (STR).

If you are providing materials with SPCC requirements, please complete the required training from the link below. SPCC training includes **TWO** modules; NNS Purchase Order Requirements and Shop Floor Requirements. **BOTH** modules must be completed and shall be incorporated into your company's procedures and practice.

http://supplier.huntingtoningalls.com/sourcing/sup_training.html

NOTE: NNS Supplier Quality will monitor your on-line training activity to ensure completion. **To be considered compliant, you must communicate with your NNS Supplier Quality Engineer a plan to comply with the requirements at your facility.** If you do not know who to contact at NNS, please ask via an email to the general contact information at the back of this newsletter.

By complying with SPCC, you are helping to minimize or reduce corrosion, and protecting steam plant equipment. This will help reduce costly inspections and/or costly cleaning of the ship systems. Thank you for your support!



USS George H. W. Bush (CVN 77) anchor lift.
Photo by Ricky Thompson

Did you know?

When reviewing MIL-S-901 shock qualification in a PO and the statement "QUAL FOR CVN78CL PP ONLY" is displayed in the SHOCK TEST REPORT-APPROVED Classification Data field, **no further action is required for CVN78 Class ships.** For all other Ships, shock qualification has not been satisfied.



Specification Doc Type	SHOCK TEST REPORT-APPROVED
Reference Specification	
Latest Approved Revision	
Classification Data	QUAL FOR CVN78CL PP ONLY

CVN78 class ships are all Carriers of the same design as CVN78. This class currently includes CVN78, CVN79, CVN80 and CVN81.



Continued

STAV CONTINUED FROM PAGE 3

... equipment supporting the Supplier's operations. Upon completion of the on-site effort, the STAV team compiles a report, noting observed strengths, opportunities, and risks, and establishes an evaluation for the Supplier. All risks and opportunities are entered into the NNS Risk and Opportunity Management program with appropriate mitigation actions, where required, and all actions are formally documented via a Quality Notification (QN). For more information, please contact Craig Garland, Manager – Supplier Technical Assessment and Validation Program, at Craig.Garland@hii-nns.com.



A panorama of Newport News Shipbuilding taken from the Floating Dry Dock showing the bow unit of submarine Illinois (SSN 786) being moved to the sea shuttle. Photo by Chris Oxley

MATERIAL COMMONALITY CONTINUED FROM PAGE 3

... swiftly dealing with many findings that do arise in testing without having to incur the expenses of re-testing.

MCQI is also working with suppliers to enable increased “commonality” of its products through reduction in requirements variation that enables commensurate reductions in manufacturing variation on the shop floor. Commonality is currently supported at the highest levels of NAVSEA leadership as part of a cost reduction way forward. Communizing supplier requirements across contracts enables reduced manufacturing costs, reduced costs above the shop floor with software submittals and reduced logistics costs due to fewer part numbers. MCQI has determined that by taking a supplier centric approach to commonality it can, working with the shipyards, suppliers and the Navy, reduce material costs through driving to get common requirements and then maintaining that commonality where practical.

MCQI has been established to support suppliers for Navy platforms by reducing the burden on suppliers for equipment qualifications and enabling improved commonality of supplier requirements. Please contact Phil Williams at Philip.Williams@hii-nns.com or Barbara Neville at Barbara.Neville@hii-nns.com if your company is interested in MCQI support.



Newport News Shipbuilding
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General Contact Information

SupplierSuggestionBox@hii-nns.com