

Periscope and Flight Deck

A Newport News Shipbuilding Supplier Publication, August 2016

PURCHASE ORDER CHANGES & S.A.M.

page 2

NDT Personnel Qualification page 3

MMA

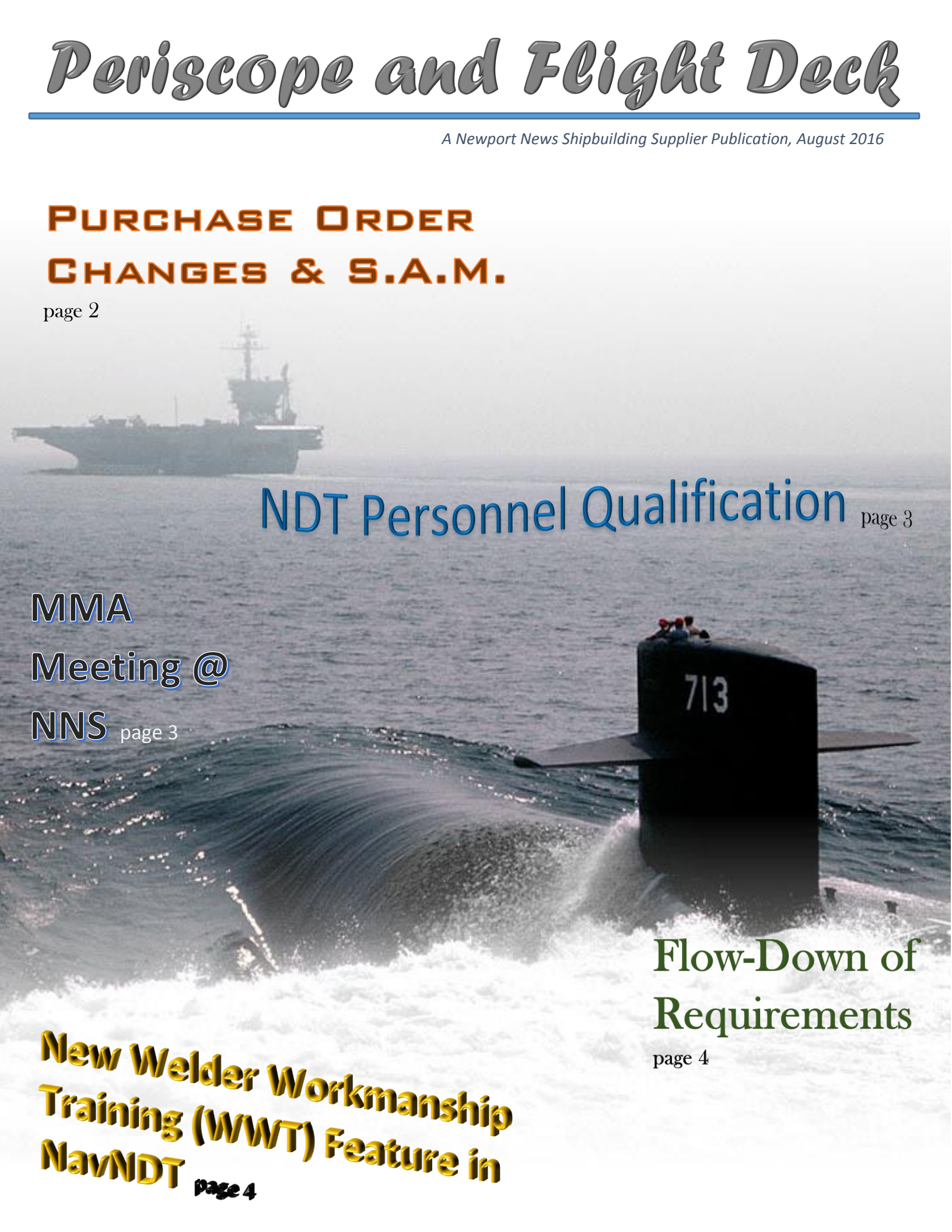
Meeting @

NNS page 3

Flow-Down of Requirements

page 4

**New Welder Workmanship
Training (WWT) Feature in
NavNDT** page 4



Latest Activities @ Newport News Shipbuilding



Newport News Shipbuilders Mentor Local High School Students at FIRST Robotics Competition

<http://newsroom.huntingtoningalls.com/releases/first-robotics-competition>

Newport News Shipbuilding Putting Affordability Initiatives to Work on John F. Kennedy (CVN 79)

<http://newsroom.huntingtoningalls.com/releases/jfk-965-ton-superlift>

HII Awarded \$152 Million Advance Planning Contract for the Third Ford-Class Aircraft Carrier, Enterprise (CVN 80)

<http://newsroom.huntingtoningalls.com/releases/hii-awarded-152-million-advance-planning-contract-for-the-third-ford-class-aircraft-carrier-enterprise-cvn-80>

Newport News Shipbuilding Celebrates the Keel-Laying of Virginia-Class Submarine Delaware (SSN 791)

<http://newsroom.huntingtoningalls.com/releases/photo-release-keel-laying-delaware-ssn-791>



Submarine Keel Laying Ceremony. Photo by Chris Oxley.



JOHN F KENNEDY (CVN 79) super lift. Photo by John Whalen

Supply Chain Management

System for Award Management

Newport News Shipbuilding encourages all suppliers to register their businesses in the System for Award Management (SAM), the primary vendor database for the U.S. Federal Government to collect, validate, store, and disseminate data in support of government acquisitions. Suppliers can register at www.sam.gov. There is no cost to either register or use SAM.

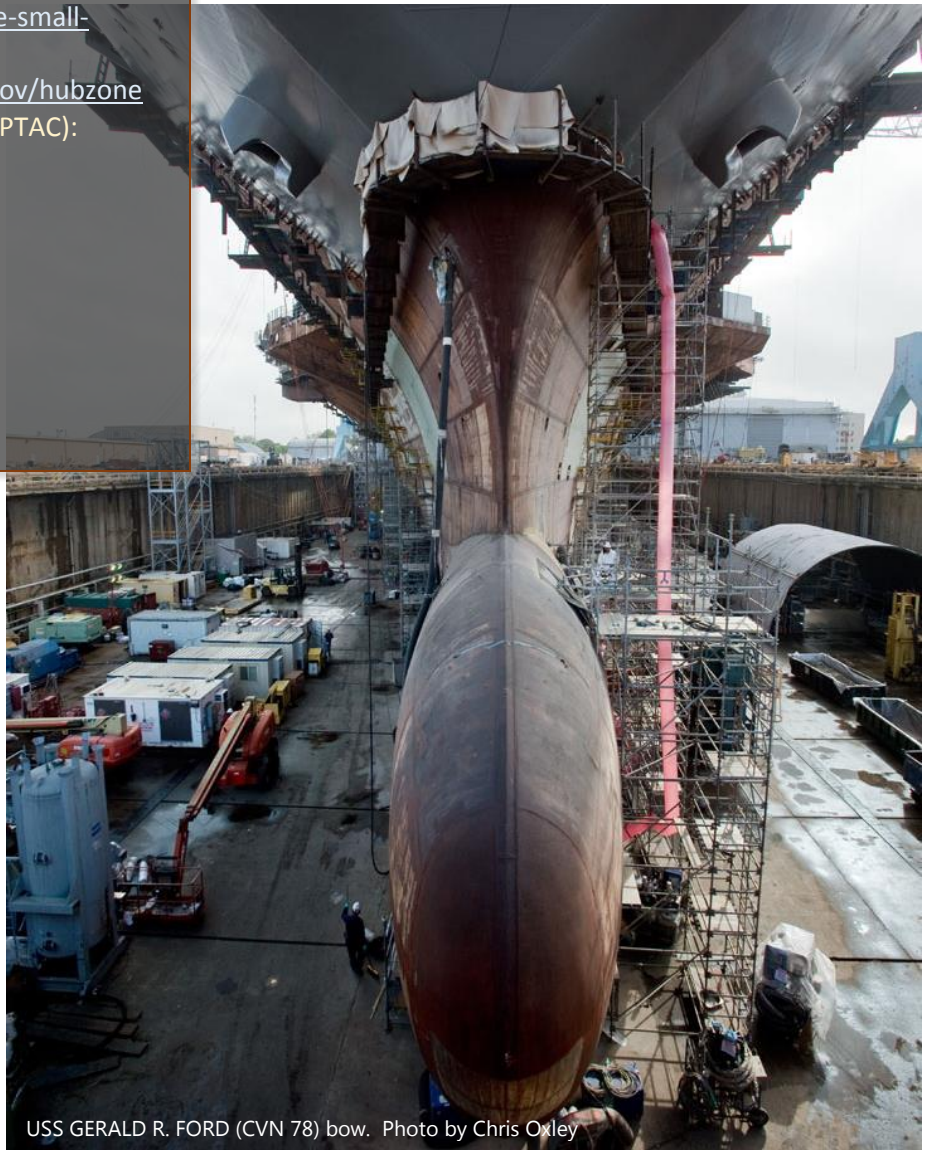
Listed below are other useful small business websites:

- Small Business Administration (SBA): www.sba.gov
- SBA Small Dynamic Business Search Registration and Search Tool:
http://dsbs.sba.gov/dsbs/search/dsp_dsbs.cfm
- NAICS Keyword Search Link:
<http://www.census.gov/eos/www/naics/>
- SBA Table of Size Standards (matched with NAICS codes): <http://www.sba.gov/content/table-small-business-size-standards>
- SBA HUBZone Program: <http://www.sba.gov/hubzone>
- Procurement Technical Assistance Center (PTAC): <http://www.aptac-us.org/new/>



New Revision Levels to Purchase Orders/Changes

For new Purchase Orders placed June 23rd and later, changes (mods) to those Purchase Orders will now have a revision level. The original Purchase Order will be Rev 00. Subsequent changes will be AA, AB, AC, etc. Changes to Purchase Orders originally placed prior to June 23rd will not have the revision levels. Please contact your NNS procurement analysts with any questions.



USS GERALD R. FORD (CVN 78) bow. Photo by Chris Oxley

Supplier Training Highlight: Reminder

Please remember that specification(s) in the purchase order (PO) may be modified by other ordering data. The modification may be from a coded note/standard clause, an EB spec, an Appendix, or the Supplemental Description. Be sure to review all ordering data elements to satisfy the full PO requirements.

NDT Personnel Qualification

NNS conducts audits of supplier NDT programs using a NAV03 checklist. The most non-complaint item found during these audits is in the Personnel Qualification section. Item 3 on the checklist asks, “Are all NDT personnel, including the examiner, recertified by examination at a minimum interval as required by specification?” This question was developed from T9074-AS-GIB-010/271 (NAVSEA Technical Publication – Requirements for Nondestructive Testing Methods; also referred to as Tech Pub 271), section 1.6 which requires an examiner to be administered three (3) examinations consisting of Basic, Method, and Specific. It also requires the examiner to be recertified every five (5) years and that the re-examination to be as comprehensive as employed in the initial certification.

Many suppliers miss this requirement and move on to the ASNT SNT-TC-1A document referenced in Tech Pub 271, section 1.6 which if worked to by itself allows ASNT NDT Level III or ACCP Professional Level III certificates to be used instead of recertifying by examination. Using these certificates for recertification (by attending conference seminars and obtaining points or using experience) or developing a procedure to waive examinations is not permitted by Tech Pub 271, section 1.6 which states “The guidelines of ASNT SNT-TC-1A shall be considered minimum requirements, except as modified herein.” As aforementioned, Tech Pub 271 requires initial certification and recertification to be obtained by examination only.

What are the ramifications of not having an examiner properly certified through the required examinations? The first result is that Level II inspectors are immediately prohibited from performing inspections on NNS parts due to invalid certifications. The second is that all products inspected by the Level II inspectors do not meet specification requirements because their certifications were invalid at the time of inspection. To resolve these type of problems, product re-inspection would need to be conducted and examiners and inspectors administered recertification

....continued on page 5



Submarine (SSN 792) construction. Photo by Chris Oxley

MMA Meeting @ NNS

NNS will host the Marine Machinery Association (MMA) meeting in August 2016. The main discussion will be on NNS' new initiative of Integrated Digital Shipbuilding (iDS). Through a combination of presentations, demonstrations, and panel discussions, NNS will share how it is transforming the way information is managed, redefining processes, and creating intuitive interfaces for the workforce. NNS will also introduce the concept of “iDS outside the gates” and how some of these ideas can be utilized to improve the Shipyard/Supplier interface and exchange of information.

A summary of this meeting will be provided in a later edition of Periscope and Flight Deck.

Quality

WWT in NavNDT

NavNDT can now be used to develop Welder Workmanship Training “WWT” procedures in accordance with the following documents:

- S9074-AR-GIB-010/248,
- T9074-AD-GIB-010/1688,
- MIL-STD-1689A, and
- PPD 802-7094539 Rev.D.

NavNDT automatically provides detailed information for the following sections of a WWT procedure:

- Definitions,
- Training and Testing Requirements,
- Training Topics, and
- Visual Inspection Attributes.

.....continued on page 5



Submarine (SSN 777) construction. Photo by Rick Thompson

Flow-Down of Requirements to Sub-Contractor

Suppliers must flow down all applicable NNS purchase order requirements to their subcontractors to ensure product quality is maintained. Suppliers shall also review the product received from their subcontractor, whether it be a piece of hardware or a document (procedure, report, etc.), to ensure that NNS purchase order requirements have been satisfied.

When sending NNS purchase order requirements to subcontractors, it is the supplier’s responsibility to safeguard technical and company proprietary information from the NNS purchase order. Methods of transfer include but are not limited to fax, regular mail, overnight/certified mail, encrypted email and unencrypted email. Suppliers must review the DFARS to determine which method is appropriate for the information to be sent to subcontractors. This is an area that NNS may review during a quality audit. Please view the flow down training module in NNS On-Line Supplier Training from the link below for more information.

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

Please contact the **Supplier Engineering Advocate (SEA)** group for assistance in resolving material engineering issues. SEA information can be found in the link below. We look forward to working with suppliers!

http://supplier.huntingtoningalls.com/sourcing/docs/Document_Submittal_Checklists/SEA_Contact_Info_MAR_2016.docx

Shock Test Tidbit

All MIL-S-901 shock tests are required to be performed at a NAVSEA approved shock test facility.

With NAVSEA permission, we have posted the list of approved facilities on the webpage below.

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



Defense Image



X-47B UCAS DECK TRIALS ABOARD USS HARRY S. TRUMAN (CVN 75). Photo by Navy

examinations so current and future needs for NDT could be met.

How can an NNS supplier prevent themselves from falling into this personnel qualification noncompliance position? First, supplier management and their examiner need to understand the Tech Pub 271, section 1.6 requirements and for them to ensure their NDT qualification program meets these requirements. Second, supplier management needs to ensure their examiner is certified and recertified every 5 years by examination. And third, supplier management and their examiner need to ensure their Level II personnel are certified and recertified by examination every 3 years. These also applies to sub-tier suppliers that perform NDT.

Please see the full NAV03 checklist from the link below.

http://supplier.huntingtoningalls.com/sourcing/docs/NAV03-Nondestructive_Testing.pdf

WWT in NAVNDT, continued from page 3

The adjacent figure illustrates the detailed information which includes text, tables and figures as appropriate that is automatically provided by NavNDT. The user can customize the WWT procedure to meet their specific needs.

Please see the brochure in the link below for more information on NavNDT and how it can help you or your contractor when it comes to NDT. The use of NavNDT is still **zero cost** to you! To sign up for NavNDT, contact Troy Paskell at paskell@weldqc.com.

http://supplier.huntingtoningalls.com/sourcing/docs/Document_Submittal_Checklists/NavNDT_Brochure.pdf

Weld Joint Offset: The maximum permissible offset for all welded joints shall be as shown in the table below.

Joint Offset Acceptance Criteria

Base Metal Thickness (inches)	Maximum Joint Offset
1/4 and less	25% of joint thickness
> 1/4 to ≤ 3/4	25% of joint thickness, but not to exceed 1/8-inch
> 3/4 to ≤ 1-1/2	3/16-inch
> 1-1/2	12-1/2% of joint thickness, but not to exceed 1/4-inch

General Contact Information
SupplierSuggestionBox@hii-nns.com



Newport News Shipbuilding
 A Division of Huntington Ingalls Industries

This newsletter was assembled by the SEA group.