



**DEPARTMENT OF THE NAVY**

Naval Sea Systems Command  
1333 ISAAC HULL AVE, SE  
WASHINGTON NAVY YARD, DC 20378-0001

IN REPLY REFER TO

NAVSEAINST 4855.30B  
Ser 04P5/005

**APR 16 2012**

NAVSEAINST 4855.30B

From: Commander, Naval Sea Systems Command

Subj: CONTROL OF NON-LEVEL MATERIAL

Ref: (a) NAVSEA 0948-LP-045-7010, Material Control Standard  
(b) NAVSEA SS800-AG-MAN-010/P-9290, System Certification Procedures and Criteria Manual for Deep Submergence Systems  
(c) NAVSEAINST 9210.34C, All Nuclear Projects-Material Identification and Control Requirements for Naval Nuclear Reactor Plant Piping Systems  
(d) NAVSEA T9044-AD-MAN-010, Requirements Manual for Submarine Fly-By-Wire Ship Control Systems  
(e) NAVSEAINST 5400.95E, Waterfront Engineering and Technical Authority Policy

Encl: (1) Controlled Industrial Material (CIM) Designated for Receipt Inspection (RI)  
(2) DD Form 1426, Standardization Document Improvement Proposal

1. Purpose. To delineate Naval Sea Systems Command (NAVSEA) policy for controlling non-level material to provide reasonable assurance of material compliance with end-use application requirements.

2. Cancellation. NAVSEAINST 4855.30A.

3. Scope. This instruction is applicable to all activities performing or otherwise directing routine work with material (metallic and non-metallic) not controlled by references (a) through (d), intended for permanent shipboard installation, where failure could affect ship reliability or safety. Hereafter, this instruction refers to such material as Controlled Industrial Material (CIM). This instruction does not apply to material controlled by references (a) through (d).

4. Definitions.

a. Controlled industrial material (CIM). Any material not otherwise controlled by references (a) through (d) that is to be

DISTRIBUTION STATEMENT A:  
APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION IS UNLIMITED.

**APR 16 2012**

permanently installed in naval vessels where failure could affect ship reliability or safety. CIM received as assembled components shall be controlled per the requirements of this instruction to the maximum extent practical without disassembly.

b. Material identifier (MID). Markings directly applied to the material, tags, labels or documents attached to the material, or applied to outer packaging which provides details such as nomenclature, technical description, part number, national stock number, material specification or other form of identification allowed by an activity's internal policy.

c. Objective quality evidence (OQE). Documents which provide details such as test results, chemical or mechanical properties or other quality information about a material.

d. Receipt inspection (RI). Inspections which certifies material compliance by accomplishment of one or more of the following:

(1) Visual inspection to confirm attributes (e.g., markings, dimensions, geometry, etc.) comply with specified requirements.

(2) Verification of OQE for compliance with specified requirements.

(3) Material testing and/or inspections (destructive or non-destructive) verifying compliance with specified material properties or inspection acceptance requirements.

5. Requirements. Activities shall utilize NAVSEA Product Data Reporting and Evaluation Program to document and monitor CIM quality. Records shall be generated and maintained to verify accomplishment of these requirements.

a. For activity's performing routine work with CIM, as a minimum, CIM shall be:

(1) Identified by MID from receipt through fabrication and installation. The MID shall accompany the material at all times and shall be duplicated/transferred as sections or reduced lots are removed from larger stock or bulk material.

(2) At the time of installation, MID verified to match the requirements specified by the drawing, installation document, or the document approving substitute material.

APR 16 2012

(3) Receipt inspected if designated by enclosure (1). The extent and periodicity of inspection may be limited based on factors such as specification requirements, quality and performance history, safety and application criticality. Inspection methods should be similar to those specified in paragraph 4.d. and may be performed at any time.

(4) Monitored for overall quality and conformance to requirements by random inspection. The extent of inspection may be limited based on factors such as applicable specification requirements, quality and performance history, safety and application criticality. Inspection methods should be similar to those specified in paragraph 4.d. and may be performed at any time. Sample selection and sampling frequency should be based on statistically valid methods whenever such methods are applicable based on quantity, supplier, and frequency for the material being monitored.

b. Activities directing or overseeing routine work involving CIM shall ensure the work-performing agencies have established processes which meet the intent of paragraph 5.a and shall periodically monitor the execution of those processes for compliance with the requirements herein.

## 6. Actions.

### a. Engineering Directorate (SEA 05).

(1) Ensure the requirements of this instruction are incorporated into future combatant shipbuilding specifications.

(2) Review approval requests for waivers, deviations and substitutions of CIM submitted by activity's engineering organizations per reference (e).

(3) Provide technical direction to resolve engineering problems related to CIM (e.g., clarification of specification requirements, test parameters, etc.).

### b. Supplier Product Quality Group (SEA 04P).

(1) Provide NAVSEA policy guidance to field activities for the uniform implementation of CIM control requirements.

(2) Provide quality guidance to contracting activities (Naval Supply Systems Command and Defense Logistics Agency (DLA))

to ensure that adequate procurement and material controls are used for acquiring CIM in the Stock System.

**APR 16 2012**

c. Contracts Directorate (SEA 02).

(1) For contracts to private activities (shipyards, boat repair, etc.) which invoke the requirements of this instruction, ensure contract language directs the activity to:

(a) Establish and execute processes which meet the intent of paragraph 5.a.

(b) Ensure only appropriate engineering organizations approve all requests for waivers, deviations and substitutions of CIM and, where required, obtain the approval of NAVSEA or its delegated engineering authority per reference (e).

d. Shipyard Management (SEA 04X) and SUPSHIP Management (SEA 04Z).

(1) Ensure Naval Shipyards establish and implement CIM controls to accomplish the requirements of paragraph 5.a.

(2) Ensure Supervisors of Shipbuilding establish and implement CIM controls to accomplish the requirements of paragraph 5.b.

e. Submarine, Surface Ship and Carrier Directorates.

(1) Incorporate the requirements of this instruction in specifications for shipbuilding, conversion, overhaul and repair contracts for combatant ships. By invoking the requirements of this instruction into contracts, private shipyards are required to:

(a) Develop and implement procedures for assuring that CIM conforms to specifications.

(b) Ensure only the appropriate engineering organizations approve requests for waivers, deviations and substitutions of CIM and, where required, obtain the approval of NAVSEA or its delegated engineering authority per reference (e).

f. Navy Shipyards and their Maintenance Facilities.

(1) Develop and implement procedures and processes to execute and comply with the requirements of this instruction.

(2) Ensure only the shipyard technical authority approves all requests for waivers, deviations and substitutions of CIM and where required, obtain the approval of NAVSEA or its designated engineering authority per reference (e).

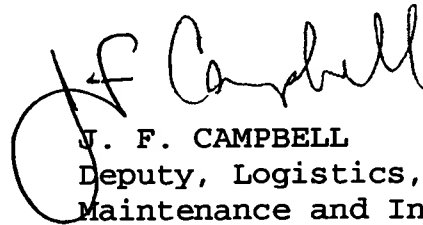
APR 16 2012

g. Supervisors of Shipbuilding, Conversion and Repair.

(1) Conduct audits of shipyard controls for ensuring that CIM conform to specifications. Such audits shall cover both the adequacy of shipyard controls and shipyards compliance with contractual requirements.

(2) Ensure only the appropriate shipyard engineering organization approves all requests for waivers, deviations and substitutions of CIM and, where required, obtain the approval of NAVSEA or its delegated engineering authority per reference (e).

7. Directive Feedback. Recommendations, additions, deletions and any pertinent input which may be of use in improving this document should be recorded on enclosure (2) and mailed, faxed or emailed to NAVSEA SEA 04P. See section 8 of enclosure (2) for contact information.



J. F. CAMPBELL  
Deputy, Logistics,  
Maintenance and Industrial  
Operations

## Distribution:

NAVSEA (02, 04, 04P, 04L, 04X, 04Z, 05, 05D, 05N, 05P, 05S, 05U, 05V, 07Q, 08E, 08H)  
PEO (Carriers, Ships, Subs, LCS, IWS)  
NAVSHIPYD PORTSMOUTH NH (200S, 400)  
NAVSHIPYD NORFOLK VA (200S, 400)  
NAVSHIPYD AND IMF PUGET SOUND WA (200F, 200S, 260, 400)  
NAVSHIPYD AND IMF PEARL HARBOR HI (200S, 400)  
SUPSHIP GROTON CT (100S, 155, 156, 200, 400)  
SUPSHIP NEWPORT NEWS VA (208, 400)  
SUPSHIP GULF COAST MS  
SUPSHIP BATH ME  
NAVSEALOGCEN Portsmouth (623)  
COMNAVRMC NORFOLK VA  
SERMC MAYPORT FL  
SOUTHWEST RMC SAN DIEGO CA (400)  
NORFOLK SHIP SUPPORT ACTIVITY SERMC MAYPORT FL (400)  
NAVIMFAC PACNORWEST BANGOR WA  
USNSRF YOKOSUKA JA  
DLA FORT BELVOIR VA, HQ-J3  
DLA Aviation-D  
DLA Land and Maritime-D  
DLA Troop Support-D

APR 16 2012

Copy to:

NSTR PITTSBURGH

NSWCCD (5600)

NSWCCD-SSS (9126, 91261)

NUWC KEYPORT

NAVSUP-WEAPONS SYSTEMS SUPPORT MECHANICSBURG PA (83, 832, 8322)

ELECTRIC BOAT CORPORATION (J. NOONAN)

HUNTINGTON INGALLS INDUSTRIES NEWPORT NEWS SHIPBUILDING (S. COONS)

NAVSEALOGCEN Mechanicsburg (X0A, 62, 622)

SUBMEPP (1800, 1802, 1802S, 1831, 1843)

COMSUBLANT (N4322)

COMSUBPAC (N4322/N43221)

DCMA (DCMA-OCT)

DCMA Syracuse/GUSTD

APR 16 2012

**CONTROLLED INDUSTRIAL MATERIAL (CIM)**  
**DESIGNATED FOR RECEIPT INSPECTION (RI)**

1. The following metallic CIM shall be receipt inspected:
  - a. PLATE: Greater than 3/8" thick.
  - b. SHAPES: Structural items - minimum 2" x 2" x 1/4". All three dimensions, where 1/4" refers to thickness, must be met or exceeded in order to require receipt inspection.
  - c. PIPE: All sizes and materials (excluding copper).
  - d. TUBING: All sizes and materials (excluding copper).
  - e. BAR STOCK: Greater than 3/8" thick.
  - f. WELDING/BRAZING RODS: All sizes and materials.
  - g. FASTENERS: Limited to studs, bolts, stud bolts, cap screws, and nuts 1/2" and larger. (Does not include wood screws, sheet metal screws and carriage bolts)
  - h. FITTINGS: All welded and brazed fittings including union assemblies and associated nuts. (Does not include threaded fittings, fittings used with copper pipe and tubing, or soldered fittings.)
  - i. Other Materials (metallic or non-metallic) as NAVSEA specifically directs or as determined by the activity's receipt inspection program.
2. Receipt inspections of CIM shall be accomplished as directed by NAVSEA correspondence (e.g., memorandums, letters, etc.) until cancelled in writing. Current NAVSEA correspondence exempting RI for certain specifications may be followed provided the CIM does not require RI by paragraph 3 below.
3. CIM shall be receipt inspected when quality history indicates low confidence in conformance to specified requirements. Inspection methods should align closely with original inspection/testing requirements until result-trends justify reduction.

Enclosure (1)

APR 16 2012

**STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL**

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7, and send to preparing activity.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

<b>I RECOMMEND A CHANGE:</b>	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYYYMMDD)
3. DOCUMENT TITLE		
4. NATURE OF CHANGE <i>(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)</i>		
5. REASON FOR RECOMMENDATION		
6. SUBMITTER		
a. NAME <i>(Last, First, Middle Initial)</i>	b. ORGANIZATION	
c. ADDRESS <i>(Include Zip Code)</i>	d. TELEPHONE <i>(Include Area Code)</i>	7. DATE SUBMITTED <i>(YYYYMMDD)</i>
8. PREPARING ACTIVITY		
a. NAME NAVSEA HQ - SEA 04P5	b. TELEPHONE <i>(Include Area Code)</i> 202-781-0797, Fax: 202-781-4625	
c. ADDRESS <i>(Include Zip Code)</i> Washington Navy Yard Bldg. 197, Sect. 4W 2164 1333 Isaac Hull Ave Washington, DC 20376 email: richard.lowman1@navy.mil	<b>IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:</b> Preparing Activity	