

Coded Note Number: **Y1030**

Revision: **C001**

Date: **September 12, 2016**

Title: **CUNI PIPE REQUIREMENTS**

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.

Change from Revision A– Clarification of Items E, J, K and last sentence below.

Bolded font indicates changed/added content.

[Text deleted] inserted in the document indicates the removal of content.

The above tubing shall be in accordance with MIL-T-16420 K-(1) (SHIPS), "Tube, **[Text deleted]** Copper-Nickel Alloy, Seamless and Welded (**[Text deleted]** **Copper Alloy Numbers 715 and 706**)", dated Sept. 16, 1988 and the following:

Para. 6.1 - Ordering Data:

- A. Specification as specified above.
- B. As listed in the item description. Note: PO will call out composition, temper, class and grade.
- C. For 70-30 CU-NI (Seamless), hydrostatic test required.

For 90-10 CU-NI (Seamless), hydrostatic test required.

For 90-10 CU-NI (Welded Tubing), as specified (para. 3.4.1).
- D. Not required.
- E. **If specified in purchase order under 'Required NDT' & in accordance with** (para. 3.4.3.1 thru 3.4.3.3)
- F. Not required.
- G. Not required.
- H. As listed per item.
- I. Not required.
- J. **In accordance with** (para. 3.8.5.1) **unless otherwise specified in purchase order.**

K. **Mark each tube in accordance with** (para. 3.10) and as specified below.

L. As required (para 4.1.1).

M. As specified (para 4.4.3).

Note: For 70-30 CU-NI and 90-10 CU-NI, Ty-I (Seamless) Gr-2 add:

Classes not listed in para. 1.2 shall be hydrostatically tested to 150 percent of the class (maximum working pressure) listed in order.

N. As specified (para. 5.1) and as specified below.

O. Not required.

For 70-30 & 90-10 CU-NI Ty-I Gr-2 (Seamless):

Each section over 1 in. outside diameter shall be color marked (green for 70-30 / yellow for 90-10) its entire length with a solid longitudinal strip of paint in accordance with MIL-P-15147. Ink may be substituted for the paint providing the ink is free from lead, sulfur or zinc compounds and providing it resists effacement by contact incident to normal handling, shipment and storage.

Copies of your procedure for ultrasonic testing of the tube in accordance with the requirements of para. 4.4.9 of MIL-T-16420 K- (1) are required for approval action. If you have received prior approval from authorized representative of Bureau of Ships for this procedure covering the same basic specification, material and configuration, a copy of the approval document shall be included. The above will also apply to alternate methods. This paragraph applies to classes 700 and above only.

For 90-10 CU-NI Ty-II Gr-2 (Welded Tubing) 20-200 class RT:

Each length of tubing shall be color marked for the length with a solid longitudinal stripe of yellow paint in accordance with military specification MIL-P-15149.

Seamless tubes may be substituted in lieu of welded tubes. When Type I seamless tubes are furnished, all welding, NDT **and** NDT certificates [**text deleted**] are not required.