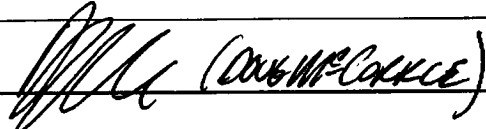


<i>NCSX RFD</i> <i>Part II</i>	Number: NCSX-RFD-12-003	RFD Description: VVSA Tube Clip Thickness
Initiator: Doug McCorkle		Organization: Major Tool
List of Impacted Documents: SE120-005		
Cost Impact: (If none, so state) None		
Schedule Impact: (If none, so state) None		
Impact on Interfaces with Other WBS Elements/Items: (If none, so state) None		
<p>Full Description of the Deviation Requested: (Use continuation pages, e-mails, letter, sketches, etc. as needed and include amplifying information as appropriate to support deviation request.)</p> <p>JUSTIFICATION: Please look at drawing SE120-005, sheet 2, zone E2. Detail 39 (Tube Clip) is dimensioned as 28 ga and references a tolerance of (.020-.010). The parts list on sheet 1 specifies material grade UNS NO6625. Product Specification NCSX CSPEC-121-02-03 3.3.2.1 requires sheet, strip, and plate to conform to ASTM B443. ASTM B443 does not provide a thickness tolerance for plate less than 0.018-0.025" within the specification. With this in mind, we are moving forward with the plan of using material in the range of 0.010-0.020" for the Tube Clips.</p> <p>DEVIATION REQUEST: Change SE120-005, sheet 2, zone E2 detail 39 (Tube Clip) thickness tolerance to .008"-.025"</p>		
Attachments:		
Initiator Signature: <u> (Doug McCorkle)</u> Date: <u>29 MAR 05</u>		

<i>NCSX RFD</i> <i>Part III</i>	Number: NCSX-RFD-12-003	RFD Description: VVSA Tube Clip Thickness
RLM: Brad Nelson	Organization: ORNL	
<p>RLM Recommended Disposition:</p> <p><input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve (If recommendation is to approve, ECP will be assigned)</p> <p>Additional remarks: The drawing calls out 28 gauge material for the tube clip, nominally 0.015 inches thick, but includes anything in the tolerance range of 0.01 to 0.02 as acceptable. The Vacuum Vessel specification calls out ASTM B443 for sheet metal which does not cover gauge under 0.018 so, although the specification overlaps the acceptable thickness, it does not cover 28 gauge. The use of any gauge in the range of 0.01 to 0.02 will be acceptable to the Laboratory provided it is Inconel 625 alloy, and is found to perform adequately by the vendor.</p>		
RLM Signature: _____		
Project Disposition: (Include ECP Number): No ECP Required.		