

<i>NCSX RFD Part I</i>	Number: RFD-12-018	RFD Description: Leak Check Tube and Block Location
Initiator: Doug McCorkle		Organization: Major Tool & Machine, Inc.
List of Impacted Documents: (<i>Specification, MIT/QA Plan, SOW, drawing, etc.</i>) NCSX-SOW-121-03, NCSX-CSPEC-121-02, SE120-005, SE122-006, SE122-007		
Cost Impact: (<i>If none, so state</i>) None		
Schedule Impact: (<i>If none, so state</i>) None if reply is immediate.		
Quality Impact: (<i>If none, so state</i>) None		
State Requirement Deviation is Requested For: (<i>Specification, MIT/QA Plan, SOW, drawing, etc.</i>): NCSX-SOW-121-03, NCSX-CSPEC-121-02, SE120-005, SE122-006, SE122-007		
<p>Full Description of the Deviation Requested: (<i>Use continuation pages, e-mails, letter, sketches, etc. as needed and include amplifying information as appropriate to support deviation request.</i>)</p> <p>Deviation Requested:</p> <p>All dimensions and tolerances that define locations of the leak check tube and block details must be considered reference only dimensions. The position of the leak check tube and block relative to the port extension flange will vary based on the profile of the vessel and the angular location of these items at the time of installation. The position of the block and tube are being custom fit to provide the proper port extension length and location. If the drawing dimensions and tolerances are held, some parts will not function.</p> <p>Justification: <i>Required for proper function.</i></p>		
Attachments: None		
Initiator Signature: <u>Douglas J. McCorkle</u> Date: <u>April 10, 2006</u>		

<i>NCSX RFD</i> <i>Part III</i>	Number: 12-018	RFD Description: Leak Check Tube and Block Location
RLM: Brad Nelson		Organization: ORNL
Impact on Interfaces with Other WBS Elements/Items: (If none, so state): NONE		
<p>RLM Recommendation:</p> <p><input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve</p> <p>Additional remarks:</p> <p>The port stub dimension which creates the weld seam to be checked is derived from the vessel wall with a +/- 3/16" profile tolerance. There is additional tolerance applied of the vacuum vessel.</p> <p>Profile tolerance of the vacuum vessel combined with the block location creates a cumulative error that causes misalignment.</p> <p>The remedy will be to custom fit holes to ensure that they straddle the weld seam. Position the block such that the holes are equidistant from the adjoining weld.</p> <p>Drawings will not be revised – but stamp indicating this resolution will be posted on the impacted drawings.</p>		
<p>RLM Signature: _____</p>		
<p>Project Disposition:</p> <p><input checked="" type="checkbox"/> Approved. No ECP required. See above – if drawings not changed, then no change to CSPEC required.</p> <p style="text-align: center;">_____ NCSX Systems Engineering Support Manager</p> <p><input type="checkbox"/> Approved. ECP will be assigned and processed.</p> <p><input type="checkbox"/> Not Approved. Reason(s) for disapproval:</p>		