

<i>NCSX RFD</i> <i>Part I</i>	Number: 14-015	RFD Description: MCWF Type C Port Openings
Initiator: Kevin Bowling/P. Heitzenroeder		Organization: MTM/PPPL
List of Impacted Documents: <i>(Specification, MIT/QA Plan, SOW, drawing, etc.)</i> Drawing SE141-116		
Cost Impact: <i>(If none, so state) : NONE for MTM – may be some impact on PPPL.</i>		
Schedule Impact: <i>(If none, so state: NONE</i>		
Quality Impact: <i>(If none, so state): NONE</i>		
State Requirement Deviation is Requested For: <i>(Specification, MIT/QA Plan, SOW, drawing, etc.):</i> MTM determined that model and drawing required time-consuming setup time to machine each port opening.		
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> MTM, and PPPL concurred (after evaluation), that remainder of C Castings could permit the port openings to be machined at a common angle => will significantly reduce setup time.		
Attachments: (1) Kevin Bowling (MTM) RFD dated 2/16/2004		
Initiator Signature: <u>Kevin Bowling (See Attachment)/ Phil Heitzenroeder</u>		

**Request for Deviation**

**MCWF Type C**

**Number: MTM-RFD-C-PORTS**

**RFD Description:**

During a joint meeting at MTM 4 thru 6-Jan-06, the port surface geometry location was discussed. MTM forwarded the geometry as currently programmed via IGES surfaces. The proposed change to the CAD model is to allow MTM to machine the port openings at common angles that require less time for setups.

**Initiator: Kevin Bowling**

**Organization: Major Tool and Machine, Inc.**

**List of Impacted Documents:**

Database and drawing for SE141-116 Type C castings.

**Cost Impact: None**

**Schedule Impact: Helps to eliminate extra setups for different approach angles.**

**Quality Impact: None**

**Initiator Signature:** Kevin Bowling **Date:** 16-FEB-06

<i>NCSX RFD</i> <i>Part III</i>	Number: 14-015	RFD Description: MCWF Type C Port Openings
RLM: Brad Nelson		Organization: ORNL
Impact on Interfaces with Other WBS Elements/Items: <i>(If none, so state): WBS 12 – cost of redesign of G10 boot retainers.</i>		
<p><b>RLM Recommendation:</b></p> <p><input checked="" type="checkbox"/> Approve   <input type="checkbox"/> Do Not Approve</p> <p><b>Additional remarks:</b></p> <p><b>Dave Williamson (WBS Manager):</b> We received an IGES file for two port openings from MTM, which we incorporated into the model in the last revision (SE141-116 Rev 8 dated Feb 2, 2006). The geometry change was small and had no impact except for a minor design modification to the G10 port boot rings at those locations.</p> <p>PPPL/ORNL will likely need to develop two designs of the G10 boot retainers, one for the C1 through C3 castings and one for the C4 through C6 castings =&gt; approximate cost impact to NCSX Project (PPPL/ORNL) will be ~\$10K (WBS 12 impact).</p> <p>Does this Change Impact Material Already Procured or Parts/Assemblies Already Assembled/Manufactured using this Material: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If “Yes”, what is the recommended disposition of this material/part/assembly? Use C-1 through C-3 castings “as is.” C-4 through C-6 castings will be modified as indicated .</p>		
RLM Signature: _____		
<p><b>Project Disposition:</b></p> <p><input type="checkbox"/> Approved. No ECP required.</p> <p><input checked="" type="checkbox"/> Approved. ECP -042 already processed which incorporated this design change in CSPEC (NCSX-CSPEC-141-03-11). ECP-045 will capture the cost impact of this change.</p> <hr/> <p>NCSX Systems Engineering Support Manager</p> <p><input type="checkbox"/> Not Approved. Reason(s) for disapproval:</p>		

