

**PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5066**

<b>COGNIZANT INDIVIDUAL:</b>	D. Williamson
<b>ECN TITLE:</b>	<b>Type-C Winding Pack Dimensions and Upper Lead Blocks Mod</b>
<b>ASSOCIATED ECP:</b>	None
<b>CC/WP/Job:</b>	<b>1403</b>
<b>AREA OR PROJECT:</b>	<b>NCSX</b>

LIMITATION OF SCOPE - NOTE: A Work Planning Form is NOT required if the total change to be accomplished (ENG-032):

- Is not large or complex or does not represent a new installation into a usable space
- Does not have a significant ES&H impact
- Does not involve tritium or other radioactive contaminated or activated equipment
- Does not impact multiple projects, systems, or groups

OR does not change the scope or intent of the original design.

Responsible Line Manager CONCURRENCE: \_\_\_\_\_  
 (Signature indicates that no Work Planning form is required.)

If non-concurrence or associated with a work planning form, enter the WP Number:

<b>DRAWING(S) AFFECTED NUMBER:</b>	<b>NEW Revision</b>	<b>TITLE</b>
SE142C-019	1	TYPE-C WINDING PACK DIMENSIONS
SE142C-136	1	TYPE-C SIDE-A UPPER LEAD BLOCK
SE142C-137	1	TYPE-C SIDE-B UPPER LEAD BLOCK

<p><b>DESCRIPTION OF CHANGE:</b> (State Drawing No., Zone/Group, or List Attachments)</p> <p>Revised winding pack and conductor dimensions to match Twisted Racetrack Coil (TRC) measurements.</p> <p>Revised large radius (zone G6) of upper lead block fingers to match as-built configuration. Added slot/chamfer (zone D4) to accommodate flux loop twisted pair wire.</p>
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**REASON FOR CHANGE:**

Correlate Type-C cross-section drawing with TRC observations and data.

Revised upper lead blocks to match field changes during assembly.

**ENGINEERING CHANGE PROPOSAL:** N/A      **DATE:** 1/19/06

**COGNIZANT INDIVIDUAL MAKING THE CHANGE:** D. Williamson

**RESONSIBLE LINE MANAGER:** B. Nelson