

**NCSX Preliminary Design Cost Estimate Summary Form  
(Attachment 1a)**

**SUMMARY DESCRIPTION**

<b>WBS Number: 133</b>	<b>Title: External Trim Coils</b>
<b>Originator: Mike Kalish</b>	
<u>Description:</u> The external trim coil set is intended to provide field error correction. These will be conventionally wound coils in a windowpane configuration. They are provided at the top, bottom, and outside perimeter of the Coil Support Structure (WBS 151) primarily to reduce low poloidal mode number (m) resonant errors that may result from manufacturing or assembly errors in the modular coil geometry.  This WBS element consists of the manufacturing design and fabrication of the External Trim Coils. The coils are supported by the Coil Support Structure (WBS 151).	
<u>Description of Existing Equipment/Facilities to be Reused:</u> <b>None</b>	
<u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> <b>None</b>	

**Date: 9/18/03**