

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

SUMMARY DESCRIPTION

WBS Number: 141	Title: Modular Coil Winding Forms
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<p><u>Description:</u> This WBS element consists of the design and fabrication of the modular coil winding form. There are three different coil types and three different winding forms that are repeated for a total of 18 winding forms. Each winding form is fabricated as a casting. Due to the complexity of the shape, the pattern geometry is assumed to require at least two iterations by a pattern maker. After stress relieving the castings in a fixture, all structural interface features are machined. After the coils are wound, the winding forms are bolted together, to form a complete field period. During final assembly, the field periods are bolted together to form the completed stellarator core assembly.</p> <p><u>Description of Existing Equipment/Facilities to be Reused:</u> None</p> <p><u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> None</p>	