

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

SUMMARY DESCRIPTION

WBS Number: 76	Title: Tooling Design & Fabrication
Originator: Erik Perry	
<u>Description</u>	
<p>This WBS element consists of the activities associated with the design and fabrication of tooling required to assemble the NCSX device. The work scope includes the design and fabrication of special fixtures and tooling which will be required during final assembly of the NCSX machine components in the C-site NCSX test cell. To the extent feasible, special tooling utilized in the pre-assembly of the field periods in the TFTR test cell will be utilized.</p> <p>All procurements of miscellaneous items required for assembly such as safety equipment, general tools, hardware, disposable items, specific procurement of welding supplies (e.g., weld wire) and equipment required to assemble the NCSX device are included in this element.</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>	

Date: 9/16/03