

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

SUMMARY DESCRIPTION

WBS Number: 26	Title: ECH Systems
Originator: M. Zarnstorff	
<u>Description</u>	
<p>The addition of up to 3MW of ECH is required as a future upgrade. This WBS element consists of the design effort to assure that this can indeed be accommodated as future upgrade. The design effort shall include developing a design concept, locating the equipment, and defining space requirements. No R&D and prototyping; fabrication; and assembly, installation, and testing is required for WBS 26. .</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: 8/29/03