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

SUMMARY DESCRIPTION

WBS Number: 441	Title: Electrical Interlock System
Originator: Raki Ramakrishnan	
Description This WBS element consists of the effort to design, fabricate, and install an electrical interlock system for NCSX. An electrical interlock system is designed and installed which ensures the proper configuration of the power system in accordance with the commanded state from the NCSX control room and access control systems, and which provides coordinated fast fault response of the power supplies when faults are detected. The system is implemented by Programmable Logic Controllers (PLCs) at various C-site and D-site locations interconnected through a fiber optic network. The system must be compatible with both NCSX and NSTX operations.	
Description of Existing Equipment/Facilities to be Re	used: None.
fraction of the existing Hardwired Control System	<u>sting Equipment/Facilities</u> : System will replace some a logic of the D-site power supply system. Some tobicon power supply local controls to be compatible