

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

SUMMARY DESCRIPTION

WBS Number: 161	Title: LN₂ Cooling Distribution System
Originator: Dave Williamson	
<u>Description:</u> This WBS element consists of all the effort to distribute LN ₂ cooling within the cryostat between the LN ₂ Coil Cooling Supply System Cooling System (WBS 622) and the components that are cooling with LN ₂ , e.g., the TF (WBS 131), PF (WBS 132), External Trim (WBS 133), and Modular (WBS 14) Coils. This WBS element consists of the design and fabrication of the manifolds, cooling pipes, and associated I&C between the LN ₂ -cooled components within WBS 1 (e.g., the TF, PF, external trim, and modular coils) and the LN ₂ Coil Cooling Supply System (WBS 622) at the cryostat boundary.	
<u>Description of Existing Equipment/Facilities to be Reused:</u> None	
<u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> None	