

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

**SUMMARY DESCRIPTION**

|  |                        |
|--|------------------------|
| <b>WBS Number: 171</b>   | <b>Title: Cryostat</b> |
| <b>Originator: Geoff Gettlefinger</b>  |                        |
| <u>Description:</u><br>The cryostat encloses the NCSX device to provide a suitable thermal environment for the magnets. This WBS element includes the cryostat shell & structure, the wall insulation for the cryostat shell & structure, attachments for the structural support of internal components, and the required electrical, cooling and mechanical penetrations. Provisions shall be established to maintain thermal and electrical isolation, local I&C, and appropriate interface control with the other WBS elements. |                        |
| <u>Description of Existing Equipment/Facilities to be Reused:</u> <b>None</b>  |                        |
| <u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> <b>None</b>   |                        |