

## NCSX Work Approval Form (WAF)

**WBS Number: 62**

**WBS Title: Cryogenic Systems**

**Job Number: 6201**

**Job Title: Cryogenic Systems**

**Job Manager: Geoff Gettlefinger**

**Description:**

This WBS element consists of the three subsystems: (1) the LN2-LHe Supply System (WBS 621) which will be used to receive, store, and deliver cryogenics to the LN2 Coil Cooling System (WBS 622) and to the GN2 Cryostat Cooling System (WBS 623); (2) the LN2 Coil Cooling (WBS 622) which provides a closed loop LN2 system for the cooling of the modular coils (WBS 14), and conventional coils (WBS 13); and (3) the GN2 Cryostat Cooling System (WBS 623) which will be used to circulate nitrogen gas of a controlled temperature through the NCSX cryostat and, consequently, around the exposed surfaces of the structures within the cryostat during cooldown from room temperature and also during operation.

**Schedule:**

**Job 6201:**

**Approvals:**

_____	_____
Job Manager	Date
_____	_____
Responsible Line Manager	Date
_____	_____
Project Manager	Date
_____	_____
Engineering Department Head	Date