

**NCSX Fabrication Project Cost and Schedule Estimating Form  
(Attachment 1c - FAB)**

**WBS: 65 - System Integration Support**

**Responsibility: L. Dudek**

Activity Title	Manhours	FY2003 \$\$	Labor Type	Start Date Month/Year	End Date Month/Year	Comments
<b><u>Labor</u></b>						
Preliminary Design (Title I)						
Final Design (Title II)						
Lab Fab/Assembly/Installation (Title III)						
<b>Level of Effort</b>						
FY2003		690				System Integration support for WBS 61, WBS 62, WBS 63, and WBS 64(20% FTE Cryo, 10% Bakeout, 10 % W
FY2004		690				System Integration support for WBS 61, WBS 62, WBS 63, and WBS 64
FY2005		690				System Integration support for WBS 61, WBS 62, WBS 63, and WBS 64
FY2006						
FY2007						
<b><u>M&amp;S Costs</u></b>						
<b>Manufacturing Development</b>						
Purchased Design Services						
Procured Hardware/Material						
<b>Procured Hardware/Material</b>						
<b>Purchased Design Services</b>						
<b>Procured Installation/Assembly Costs</b>						
<b>Other Costs</b>						
Travel						
Allocations (WBS 81 only)						

**Instructions for Completing Form**

- (1) One form for each 3 digit WBS element (e.g., 111, 121, 452, etc.) => if no 3 digit WBS, use 2 digit WBS (e.g., 81, 82, 84)
- (2) For Lab labor, provide estimate in manhours => provide estimate by specific labor type.
- (3) For M&S, provide estimate in FY2002 direct dollars if procured by PPPL, or in fully loaded dollars if procured by ORNL
- (4) Start and end date provided in month/year format => March/2003