

CONTRACT PERFORMANCE REPORT							FORM APPROVED		
FORMAT 5 - Explanations and Problem Analysis							OMB No. 0704-0188		
<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>			<b>4. REPORT PERIOD</b>		
a. NAME UT-Battelle		a. NAME SNS Proton Power Upgrade (PPU)		a. NAME Proton Power Upgrade			a. FROM (YYYYMMDD) 01-May-21		
b. LOCATION (Address and ZIP Code) Oak Ridge National Laboratory		b. NUMBER		b. PHASE CD-3			b. TO (YYYYMMDD) 31-May-21		
<b>5. EVALUATION</b>									
<b>P.03.05.06.02 / ORNL - Design - Upgrade RFQ-Mod1</b>									
	<b>Budget</b>	<b>Progress</b>	<b>Actuals</b>	<b>SV</b>	<b>SV %</b>	<b>CV</b>	<b>CV %</b>	<b>SPI</b>	<b>CPI</b>
Current:	27	72	33	44	161%	38	54%	2.61	2.15
Cumulative:	1,060	972	1,150	-89	-8%	-178	-18%	0.92	0.84
	<b>BAC</b>	<b>EAC</b>	<b>VAC in \$</b>	<b>VAC in %</b>	<b>TCPI to BAC</b>	<b>TCPI to EAC</b>			
At Complete:	1,268	1,447	-178	-14%	2.50	1.00			
<b>Explanation of Variance/Description of Problem:</b>									
Subassembly redesign effort was underestimated, and we had some measurement issues with the initial high power testing due to calibration of the high voltage divider installed.									
<b>Impact:</b>									
While this cost variance will not go away, testing in the RFTF has started and the cost to finish this testing is expected to track per the baseline estimate.									
<b>Corrective Action:</b>									
The additional effort required for the redesigns of the prototype as well as to address the calibration issue cannot be recovered. Additional design, prototyping and testing that was identified during prior testing has been added to the baseline via PCR RF-2021-17 in May.									
<b>Prepared by:</b> Wayne Steffey		<b>Date:</b> 6/13/2021							
<b>Reviewed by (CAM):</b> <u>Chris Pappas</u>		<b>Date:</b> 6/17/21		<b>Approved by (PM):</b> _____			<b>Date:</b> _____		