

Transfer of Work Scope Annex

This is an Annex to the Cost Allocation Agreement (ESS-3215759) entered into between European Spallation Source ERIC (ESS) and Paul Scherrer Institut (the Partner) on [date], the terms and conditions of which are hereby incorporated by reference.

CHANGE DATA			
CR ID	13.28	Date created	2021-MM-DD
Title of the CR:	Detector PSI Contribution		
Name of Change Originator (partner):	Alessandra Luchini	ESS WP Co-ordinator:	Francesco Piscitelli
Reviewed by ICC:	<input checked="" type="checkbox"/> YES NAME: Thomas Arnold	Agreed by ESS WP Manager:	<input checked="" type="checkbox"/> YES NAME: Richard Hall-Wilton

CHANGE ANALYSIS (filled out by the Partner)																		
Technical Annex (TA)	NIK6.9 #2 – Instrument Estia Construction Project																	
Reason for Change	The detector for Estia is developed and build by ESS but part of the budget is provided from the Estia instrument project.																	
Change Description	The Detector Group will develop, build and commission the Estia detector, including all electronic components for the detector readout chain.																	
	In discussions between the ESS detector group and WP leader A. Luchini of the Estia team, the following Scope of Work have been discussed and agreed:																	
	Scope	ESTIA Detector Delivery Agreement, ESS-3424718																
	Budget (EUR)	499 843																
	TA References / Sections in TA	Part of milestone WP_13 (CBV 1.012 M€) and WP_06 (CBV 330 k€)																
	Key Milestones	<table border="1"> <thead> <tr> <th>Title</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td colspan="2">(please see <i>ESS-3424718</i> for details)</td> </tr> <tr> <td>MS a</td> <td>Design and material sourcing complete</td> </tr> <tr> <td>MS b</td> <td>Electronics design complete and VMM ordered</td> </tr> <tr> <td>MS c</td> <td>Detector ready for testing at PSI</td> </tr> <tr> <td>MS d</td> <td>Electronics production complete</td> </tr> <tr> <td>MS e</td> <td>Ready for installation at ESS</td> </tr> <tr> <td>MS f</td> <td>Cold commissioning complete</td> </tr> </tbody> </table>	Title	Date	(please see <i>ESS-3424718</i> for details)		MS a	Design and material sourcing complete	MS b	Electronics design complete and VMM ordered	MS c	Detector ready for testing at PSI	MS d	Electronics production complete	MS e	Ready for installation at ESS	MS f	Cold commissioning complete
	Title	Date																
	(please see <i>ESS-3424718</i> for details)																	
	MS a	Design and material sourcing complete																
	MS b	Electronics design complete and VMM ordered																
MS c	Detector ready for testing at PSI																	
MS d	Electronics production complete																	
MS e	Ready for installation at ESS																	
MS f	Cold commissioning complete																	
	December 2021																	
	November 2021																	
	August 2022																	
	August 2022																	
	December 2022																	
	June 2023																	
Change impact	<p>Schedule: None expected</p> <p>Risk: Reduce risk of incompatibility as handled inside detector group.</p>																	
Remuneration	<p>The Partner will pay to ESS the following amounts as compensation for ESS' performance of the transferred Scope of Work:</p> <p>Payment 1: EUR 44 338; payable on completion of MS a</p> <p>Payment 2: EUR 35 540; payable on completion of MS b</p>																	

CHANGE ANALYSIS (filled out by the Partner)	
	Payment 3: EUR 130 873; payable on completion of MS c Payment 4: EUR 162 988; payable on completion of MS d Payment 5: EUR 84 877; payable on completion of MS e Payment 6: EUR 41 227; payable on completion of MS f <u>Total:</u> EUR 499 843 [same as the budget]
References	ESS-0103160 - Estia System Requirements – Specifies detector requirements ESS-3424718 - ESTIA Detector Delivery Agreement

CHANGE IMPACT (filled out by ESS)	
Schedule impact	None
Increased risks for projects	None
Affected ESS Services	<input checked="" type="checkbox"/> Procurement <input type="checkbox"/> Finance <input type="checkbox"/> Installation <input checked="" type="checkbox"/> NSS Justification:
Other Comments	
References	

CHANGE DECISION – IK Partner responsible (with scope & budget responsibility)			
Decision	Approved	Date	
Decision made by	Marc Janoschek		
Signature			
Comment/ Justification			

CHANGE DECISION – NSS Project Leader			
Decision	Approved	Date	
Decision made by	Jon Taylor		
Signature			
Comment/ Justification			