

Engineering Change Request Form

Change Request No.: 1303-00726	Date: 6/1/2012	WBS:
Control Account Name: None	Configuration Manager: Wickman, Diana	Control Account Manager:
SECTION TO BE COMPLETED BY PERSON REQUESTING CHANGE:		
Requestor: Sheri White	Telephone Number: (508) 289-3740	
Request Name (Include document number and revision level): PRESF (SBE 26plus) L4-CG-IP-RQ-587 WAIVER		
Description of Change (Include all related systems): A waiver is requested for 1 L4 CG IP requirement related to the selected PRESF instrument (SBE 26plus): L4-CG-IP-RQ-587 Seafloor pressure instruments deployed at depths of 50-200 m shall have a range of 0-2100 kPa. The selected instrument for Series B has a pressure range of 300 psia, which is 5 psia below the required value of 2100 kPa (305 psia). This requirement is defined for instruments deployed at depths of 50 to 200 m. However, the deepest deployment site will be 133 m at the Pioneer Central Site (189 psia). Therefore the instrument, although it does not meet the requirement as stated, has sufficient ranges to enable operations at the depths it will be deployed. No requirements at L3 CG or L2 SR are affected by this.		
Reason for Change: The selected instrument does not meet the exact wording of L4-CG-IP-RQ-587. However, it has sufficient range for the actual deployment depth that this will not impact science data collection. This ECR is a Waiver Request submitted in accordance with the Procedure for Obtaining Waivers which resides in the Systems Engineering Process Library in Al fresco. A waiver is a specific written authorization to accept a product which departs from specified requirements, but nevertheless is considered suitable for use "as is" or after modification by an approved method. A waiver states that a requirement does not need to be satisfied in order to pass a test of the related product. Waivers are associated with particular products and do not modify the requirement(s) in question. The procurement Source Selection and Evaluation Boards (SSEB) are authorized to procure products which deviate from the approved requirements in order to achieve the best value for the program. This scope of this ECR is whether the item is acceptable and the Waiver should be granted; it does not include the SSEB process.		
Benefit to OOI: This waiver allows the deployment and use of the SBE 26plus instrument selected as best value through the competitive procurement process to obtain PRESF measurements at Coastal Arrays.		
<i>Requestor Assessment of Impact to Control Account:</i>		
Scope: No impact.		
Schedule: No impact.		
Cost: No impact.		
SECTION TO BE COMPLETED BY IO/SL CCB CHAIRPERSON:		
<i>Assessment of Impact to IO Project:</i>		
Master Schedule: No impact.		
Project Cost: No impact.		
Deliverables: No impact.		
Potential Impact to Science and Design / As-built Capability: No impact. The instrument has sufficient pressure range for the actual deployment depths. 300 psia corresponds to 210 m. The deepest deployment will be at 133 m.		
Percent Impact on WBS elements(s) selected: 0%	Percent Impact on OOI: 0%	
Contingency \$0	Contingency Schedule (weeks): 0	

Signature of CG CCB Chairperson: Sheri White (swhite@whoi.edu)	Date: 6/6/2012 1:30:00 PM	Board Determination: Approved
<i>CERTIFICATION OF TECHNICAL DATA PACKAGE AND CONTROL SYSTEM UPDATE</i>		
Signature of Configuration Manager: Diana Wickman (dwickman@whoi.edu)	Date: 6/7/2012 4:58:19 PM	Systems and Documentation Updated: Confirmed Complete
Attach supporting technical documentation and or additional comments as needed.		

Change Request No.: 1303-00726**Request Name:** PRESF (SBE 26plus) L4-CG-IP-RQ-587 WAIVER**ECR Comments**

#	Reviewer	Date Added	General Comment	Requestor Response	CCB Decision	Lien
1	David Neiman	6/1/2012	Recommend approval.			
2	Al Plueddemann	6/1/2012	Recommend approval. I agree there is no science impact.			
3	KENNETH T ANGEL	6/6/2012	No comment.			
4	Ed Dever	6/6/2012	recommend approval			

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ECR Vote (Highest Level Board: CG)

Title	Member Name	Delegate Name	Vote	Comment
SIO Engineer	KENNETH T ANGEL		Approve	
Systems Engineer (PNW)	Ed Dever		Approve	
Program Manager and Chief Engineer	Paul Matthias		(Did Not Vote)	
Co-Principal Investigator	John Trowbridge		Approve	
Program Director/PI	Bob Weller		(Did Not Vote)	
Lead System Engineer	Sheri White		Approve	

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ECR Liens/Action Items

Lien	Due Date	Complete	Completion Date
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Action Item	Due Date	Complete	Cancel	Completion Date
Mark the Verification Status for the L4 requirements as "Waived" in DOORS. (S. White, K. Carr)	6/25/2012	Yes	No	6/6/2012
Update "Approved Waiver-CM" attribute for affected L4 requirement (s) in DOORS with the ECR number of the approved Waiver and a description of the affected product. (D. Wickman)	6/25/2012	Yes	No	6/6/2012
Baseline and post new module to Alfresco (K. Carr)	6/25/2012	Yes	No	6/7/2012

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ECR Meeting Results and Notes

Board Level	Meeting Date	Meeting Name	Meeting Result	Meeting Notes
CG	6/6/2012	CG CCB 20120606	Approved	