

Engineering Change Request Form

Change Request No.: 1300-00287	Date: 9/19/2012	WBS:
Control Account Name: None	Configuration Manager: Chapman, Ed	Control Account Manager:
SECTION TO BE COMPLETED BY PERSON REQUESTING CHANGE:		
Requestor: Ed Chapman	Telephone Number: (202) 787-1662	
Request Name (Include document number and revision level): WET Labs AC-S (OPTAA Instrument) Waiver		
Description of Change (Include all related systems): A Waiver is requested to use the WET Labs AC-S (OPTAA Instrument) as a common OOI instrument. OOI selected the instrument through a competitive Request For Proposal (RFP) process. This instrument was chosen in accordance with Source Selection Plan utilizing a highly skilled Source Selection Evaluation Board meeting the competitive procurement obligations of OOI. However, it does not meet the following requirements: L2-SR-RQ-3537 Spectral attenuation shall be measured over a range of 0.05 c(λ) m-1 to 15 c(λ) m-1. L4-CG-IP-RQ-401 Spectral attenuation instruments shall have a range of 0.05 c(λ) m-1 to 15 c(λ) m-1. L4-RSN-IP-RQ-354 The SSM Instrument for Spectral attenuation shall measure with a range of no less than 0.05 c(λ)/m to 15 c(λ)/m. The attachment lists the requirement numbers, the requirement text, the associated Instrument Specification statement, and the vendor's RFP response to the requirement.		
Reason for Change: While the selected instrument does not meet the requirements noted above, it provides the best value to OOI at this time. This ECR is a Waiver Request submitted in accordance with the Procedure for Obtaining Waivers which resides in the Systems Engineering Process Library in Alfresco. 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 procurement and fielding of a best value instrument that has been procured through a competitive process.		
<i>Requestor Assessment of Impact to Control Account:</i>		
Scope: No change.		
Schedule: No change.		
Cost: No change.		
SECTION TO BE COMPLETED BY IO/SL CCB CHAIRPERSON:		
<i>Assessment of Impact to IO Project:</i>		
Master Schedule: no change		
Project Cost: no change		
Deliverables: no change		
Potential Impact to Science and Design / As-built Capability: This instrument is not the exemplar listed in the FND. The exemplar instrument (AC-9) is no longer available. The selected instrument (AC-S) is from the same vendor and is		

the successor to the exemplar.

However, this waiver will not impact the ability of the OOI to answer the Science Questions and meet the needs of our user community.

Percent Impact on WBS elements(s) selected: 0%	Percent Impact on OOI: 0%	
Contingency \$ 0	Contingency Schedule (weeks): 0	
Signature of System CCB Chairperson: Ed Chapman (echapman@oceanleadership.org)	Date: 10/9/2012 2:00:00 PM	Board Determination: Approved
Signature of NSF CCB Chairperson: Jean McGovern (jmcgover@nsf.gov)	Date: 10/18/2012 3:00:00 PM	Board Determination: Approved
<i>CERTIFICATION OF TECHNICAL DATA PACKAGE AND CONTROL SYSTEM UPDATE</i>		
Signature of Configuration Manager: Ed Chapman (echapman@oceanleadership.org)	Date: 11/8/2012 5:23:12 PM	Systems and Documentation Updated: Confirmed Complete
Attach supporting technical documentation and or additional comments as needed.		

Change Request No.: 1300-00287**Request Name:** WET Labs AC-S (OPTAA Instrument) Waiver**ECR Comments**

#	Reviewer	Date Added	General Comment	Requestor Response	CCB Decision	Lien
1	Ed Chapman	10/1/2012	As pointed out by Sheri White, ver 1-00 of the attached document had an error that led to erroneously thinking that L2-SR-RQ-3533, L4-CG-IP-RQ-228, L4-RSN-IP-RQ-348 were not met. In fact, they are met. The ECR and the attached document have been updated accordingly.	Accept		
2	David Neiman	10/1/2012	Recommend approval			
3	Michael Zernick	10/4/2012	Recommend Approval.			
4	Sheri White	10/4/2012	Comments provided to the ECR author. I concur with the updated ECR and recommend approval. Feedback from Oscar Schofield indicated that this range restriction would not affect the science in the areas we will be operating.			
5	Al Plueddemann	10/8/2012	Recommend approval of updated ECR.			
6	Michael Vardaro	10/8/2012	Reviewed. Recommend approval.			
7	Susan Banahan	10/8/2012	Recommend approval.			
8	Ben Korin	10/9/2012	No comments. Recommend Approval.			

Change Request No.: 1300-00287**Request Name:** WET Labs AC-S (OPTAA Instrument) Waiver**ECR Vote (Highest Level Board: NSF)**

Title	Member Name	Delegate Name	Vote	Comment
Associate Program Director	Susan Banahan		(Did Not Vote)	
Chief Systems Engineer	Ed Chapman		(Did Not Vote)	
OOI Program Director/PI	Tim Cowles		(Did Not Vote)	
Senior Project Manager, Advisor	Anthony Ferlaino		(Did Not Vote)	
NSF Program Director	Jean McGovern		Approve	
COTR - Associate Project Manager CI	Bill Pritchett		(Did Not Vote)	

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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 L2 requirements as "Waived" in DOORS.	11/6/2012	Yes	No	10/22/2012
Mark the Verification Status for the L3 requirements as "Waived" in DOORS.	11/6/2012	No	Yes	
Mark the Verification Status for the L4 requirements as "Waived" in DOORS.	11/6/2012	Yes	No	11/2/2012
Update "Approved Waiver-CM" attribute for affected L2 requirement (s) in DOORS with the ECR number of the approved Waiver and a description of the affected product.	11/6/2012	Yes	No	10/22/2012
Update "Approved Waiver-CM" attribute for affected L3 requirement (s) in DOORS with the ECR number of the approved Waiver and a description of the affected product.	11/6/2012	No	Yes	
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.	11/6/2012	Yes	No	11/2/2012
Baseline L2 Science Requirements module	11/5/2012	Yes	No	11/8/2012
Baseline L4 CG Instrument Package module	11/5/2012	Yes	No	11/8/2012
Baseline L4 RSN Instrument Package module	11/5/2012	Yes	No	11/8/2012
Export updated L2 Science Requirements spreadsheet and post in Alfresco	11/5/2012	Yes	No	11/8/2012
Export updated L4 CG Instrument Package spreadsheet and post in Alfresco	11/5/2012	Yes	No	11/8/2012
Export updated L4 RSN Instrument Package spreadsheet and post in Alfresco	11/5/2012	Yes	No	11/8/2012

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ECR Meeting Results and Notes

Board Level	Meeting Date	Meeting Name	Meeting Result	Meeting Notes
System	10/9/2012	2012-10-09 System Level CCB	Approved	
NSF	10/18/2012	2012-10-18 NSF CCB	Approved	