

Engineering Change Request Form

Change Request No.: 1303-01178	Date: 11/14/2013	WBS: 1.3.3.7.31
Control Account Name: None	Configuration Manager: Wickman, Diana	Control Account Manager:

SECTION TO BE COMPLETED BY PERSON REQUESTING CHANGE:

Requestor: Diana Wickman **Telephone Number:** (508) 289-3895

Request Name (Include document number and revision level):

MMP (Wire Following Profiler) Waiver, L4-CG-PR-181, Fish Bite

Description of Change (Include all related systems):

A waiver is requested for the McLane Moored Profiler (MPP) for the following requirement:

L4-CG-PR-181 All structural and electrical cables on a profiler deployed at depths shallower than 1000 m shall be protected from fish bite.

The cables running to the FLORT and the DOFST are outside the profiler body and therefore are not protected from fish bite. While these cables in their current configuration do not meet the fish bite requirement it is not believed that fish bite will pose a problem in this case.

Fish bite is typically found on cables exposed to open water where fish are able to engage the cable from any angle and surround it with their jaw. The exposed FLORT and DOFST electrical cables on the profiling body (FLORT and DOFST) are extremely short in length exposed and surrounded by rigid structures which would make full engagement of the cable by a fish jaw difficult or impossible. Therefore, while the individual cables do not have dedicated fish bite protection, the surrounding structure is believed to effectively serve that purpose.

Reason for Change:

Current configuration of FLORT and DOFST cables on the CWFP do not meet fish bite requirements.

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.

Requestor Assessment of Impact to Control Account:

Scope:

No change

Schedule:

No change

Cost:

No change

SECTION TO BE COMPLETED BY IO/SL CCB CHAIRPERSON:

Assessment of Impact to IO Project:

Master Schedule:

No impact.

Project Cost:

No impact.

Deliverables:

No impact.

Potential Impact to Science and Design / As-built Capability: No impact.

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:
11/22/2013 1:00:00 PM

Board Determination:
Approved

CERTIFICATION OF TECHNICAL DATA PACKAGE AND CONTROL SYSTEM UPDATE

Signature of Configuration Manager:
Diana Wickman (dwickman@whoi.edu)

Date:
1/16/2014 5:21:52 PM

Systems and Documentation Updated:
Confirmed Complete

Attach supporting technical documentation and or additional comments as needed.

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ECR Comments

#	Reviewer	Date Added	General Comment	Requestor Response	CCB Decision	Lien
1	Chamara Johnson	11/19/2013	No comments. I recommend approval.			
2	Sheri White	11/19/2013	No comments. Recommend approval.			
3	Ed Dever	11/22/2013	no comments, recommend approval			

Change Request No.: 1303-01178**Request Name:** MMP (Wire Following Profiler) Waiver, L4-CG-PR-181, Fish Bite**ECR Vote (Highest Level Board: CG)**

Title	Member Name	Delegate Name	Vote	Comment
SIO Engineer	KENNETH T ANGEL		Approve	
Field Operations Coordinator	Liz Caporelli		(Did Not Vote)	
CGSN Manufacturing	James Danielson		(Did Not Vote)	
Systems Engineer (PNW)	Ed Dever		Approve	
Program Manager and Chief Engineer	Paul Matthias		Approve	
Integrated Product Team Lead	Steve Parks		(Did Not Vote)	
	Kim Sargent		(Did Not Vote)	
Integrated Product Team Lead	Rick Sisson		(Did Not Vote)	
Program Director/PI	Bob Weller		(Did Not Vote)	
Lead System Engineer	Sheri White		(Did Not Vote)	
CGSN Configuration Manager	Diana Wickman		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 L3/L4 requirements as "Waived" in DOORS and add a description in the verification details column. (S. White, K. Carr, E. Dever)	2/3/2014	Yes	No	1/15/2014
Update "Approved Waiver-CM" attribute for affected L3/L4 requirement(s) in DOORS with the ECR number of the approved Waiver. (S. White, K. Carr, E. Dever)	2/3/2014	Yes	No	1/15/2014

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ECR Meeting Results and Notes

Board Level	Meeting Date	Meeting Name	Meeting Result	Meeting Notes
CG	11/22/2013	CG CCB 2013-11-20	Approved	