## **Advanced LIGO Engineering Change Request (ECR)**

ECR Title: Acquisition of FSS RFPD DC signal		C signal	DCC No: E1400002-v1
			Date: 3 January 2014
Requester:	<b>Impacted Subsy</b>	stem(s):	
Kiwamu Izumi	PSL, LSC		
Description of Proposed Change(s):			
• Implementation of a filter module for acquiring the FSS RFPD DC signal in the <i>pslfss</i> realtime model.			
• Removal of a temporary filter module for the FSS RFPD DC signal from the <i>lsc</i> realtime model.			
Reason for Change(s):			
(i.e. ADC_1_6) and physical at rev.6343), although they h	cables have been reso ave not been used due red through the <i>lsc</i> me	erved for the signal to convenience d	ne model. In fact, an ADC channel l (see D1100367 and h1pslfss model uring the past commissioning tests. nd this should be deleted to avoid
<b>Estimated Cost:</b>			
None			
Schedule Impact Estimate: None			
Nature of Change (check all that a  Safety Correct Hardware Correct Documentation	apply):	☐ Improve Hardw☐ Improve/Clarify☐ Change Interfac☐ Change Require	y Documentation ce
Importance:  ☐ Desirable for ease of use, maintenance ☐ Desirable for improved performance, ☐ Essential for performance, reliability ☐ Essential for function ☐ Essential for safety			tte/event: te/event: SAP)
Impacted Hardware (select all tha ☐ Repair/Modify. List part & SNs:	11 0/	-	mentation (list all dwgs, design rts, specifications, etc.):
☐ Scrap & Replace. List part & SNs:		None	
☐ Installed units? List IFO, part & SNs:	:		
☐ Future units to be built			

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## **Disposition of the proposed change(s):**

The disposition of this proposed engineering change request is to be completed by Systems Engineering and indicated in the "Notes and Changes" metadata field in the DCC entry for this ECR. The typical dispositions are as follows:

- Additional Information Required: in which case the additional information requested is defined. The ECR requester then re-submits the ECR with the new information using the same DCC number for the ECR but with the next version number.
- **Rejected**: in which case the reason(s) for the rejection are to be given
- Approved
- Approved with Caveat(s): in which case the caveat(s) are listed
- TRB: the ECR is referred to an ad-hoc Technical Review Board for further evaluation and recommendation. It is the System Engineer's (or designee's) responsibility to organize the TRB. The System Engineer (or designee) then makes a technical decision based on the TRB's recommendation. Links to the TRB's documentation (charge, memos, final report, etc.) are to be added to the "Related Documents" field for this ECR.
- <u>CCB</u>: a change request for approval of additional funds or schedule impact is to be submitted to the Configuration Control Board. Links to the CCB's documentation (CR, etc.) are to be added to the "Related Documents" field for this ECR.

## **Concurrence by Project Management:**

Acknowledgement/acceptance/approval of the disposition is to be indicated by the electronic "signature" feature in the DCC entry for this ECR, by one the following personnel:

- Systems Scientist
- Systems Engineer
- Deputy Systems Engineer