Advanced LIGO Engineering Change Request (ECR)

ECR Title: New naming scheme for OMO	C channels DCC No: E1300794-v1
	Date: 17 October 2013
Requester: Peter Fritschel Impacted Subsys	tem(s): ISC
Description of Proposed Change(s):	
Adopt the scheme that has been developed for the real-time separate RCG model of the OMC, and corresponding chan channel names are then different than found in some ISC dechange is (we are adopting the second, model-based converge).	nel names based on the model name. Some of the OMC ocumentation (details below). An example of a channel
Documentation name: \$(IFO):LSC-OMC_A	
RCG model: \$(IFO):OMC-DCPD_A	
In addition to documentation, some TwinCAT code that handles slow controls for these channels will need to be changed, as it currently uses the former, documentation convention.	
Reason for Change(s): This ECR is more of a fix of a mismatch between how the OMC front end model has been developed so far, and some early ISC documentation that contains different channel names. We needed to either change the documentation, or change the model, and we are choosing the former.	
Estimated Cost: None.	
Schedule Impact Estimate: None.	
Nature of Change (check all that apply): ☐ Safety ☐ Correct Hardware ☐ Correct Documentation	☐ Improve Hardware ☐ Improve/Clarify Documentation ☐ Change Interface ☐ Change Requirement
Importance: ☐ Desirable for ease of use, maintenance, safety ☐ Desirable for improved performance, reliability ☐ Essential for performance, reliability ☐ Essential for function ☐ Essential for safety	Urgency: No urgency Desirable by date/event: Essential by date/event: Immediately (ASAP)

Advanced LIGO Engineering Change Request (ECR) Impacted Hardware (select all that apply): **Impacted Documentation** (list all dwgs, design Repair/Modify. List part & SNs: _____ reports, test reports, specifications, etc.): T1000264 (v5), T1100472 (v9), E1300079 (v3), Scrap & Replace. List part & SNs: T1300532 (v1) ☐ Installed units? List IFO, part & SNs: TwinCAT code Future units to be built 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