Advanced LIGO Engineering Change Request (ECR)

ECR Title: ECR:		DCC No: E12xxxxx-vx
CM Board Modifications (ALS)		Date: 10/12/2012
Requester:	Impacted Subs	ystem(s):
Daniel Sigg	ISC	
Description of Proposed Change	e(s):	
The common mode boards are deslocking and the cavity locking. It a slow controls readback. As a const	cribed in a <u>wiki</u> . The adds low pass filtering equence the previous	d to be propagated to all other ALS end station boards. modifications affect the transfer functions for the laser g to suppress PZT resonances and it fixes a gain in the ly identical ALS boards are now split into two types: LL ards are D040180-E. The changes are described in
Reason for Change(s):		
The transfer functions of the ALS	common mode board	ls had to be modified to reflect reality.
Estimated Cost: total \$5k (parts a	and labor)	
Schedule Impact Estimate:		
None.		
Nature of Change (check all that ☐ Safety ☐ Correct Hardware ☐ Correct Documentation	t apply):	 ☑ Improve Hardware ☐ Improve/clarify Documentation ☐ Change Interface ☐ Change Requirement
Importance: ☐ Desirable for ease of use, maintenand Desirable for improved performance Essential for performance, reliability Essential for function ☐ Essential for safety	ce, reliability	Urgency: ☐ no urgency ☐ desirable by date/event: _Feb 2013 ☐ Essential by date/event: ☐ Immediately (ASAP)
Impacted Hardware (select all tl Repair/modify. List part & SNs:	hat apply):	Impacted Documentation (list all dwgs, design reports, test reports, specifications, etc.):
Scrap & Replace. List part & SNs:		D040180-E, E1200907, T1200477
☐ Installed units? List IFO, part & Si	Ns:	
☐ Future units to be built		

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Disposition (to be completed by Systems Engineering TRB CCB Approved	g):		
Additional information required. Define:			
[Requester re-submits with new information with the sanumber.] Concurrence by Project Management: (Acknowledge)	·		
Project Systems Engineer: Dennis Coyne	Project Systems Scientist: Peter Fritschel		