OMC Suspension Final Design Review Checklist (ref M050220-09)
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T0900062-v1

#	Checklist Description	Document #	Document Title
1	Final Requirements (any changes or refinements from PDR?)		
2	Resolutions of action items from PDR		
3	Susbsytem block and functional diagrams		
4	Drawing package	see wiki	
5	Final parts list	D080327, D080329	BOMs for LLO & LHO, respectively
6	Final specifications	T080117-01	OMC SUS Assembly & Alignment Document
		E0900023	Process of Manufacturing Cantilever Spring Blades for Ad
		E0900039	UHV Welding Specification
7	Final interface control documents	E0900056	OMC SUS ICD
8	Relevant RODA changes and actions completed	M040189-00-Y	Output Mode Cleaner to be a monolithic cavity
9	Signed Hazard Analysis	E080020-00-D	Output Mode Cleaner Suspension Assembly and Installation Hazard Analysis for LLO
10	Final Failure Modes and Effects Analysis		
11	Risk Registry items discussed	M080359-00-P	Advanced LIGO Risk Registry
			RR 104 Blade procurement: difficulty in identifying vendor, fabrication process
			RR105 Blade nickel plating: looking for vendor, suitable process
12	Design analysis and engineering test data	T0900060-v1	OMC Suspension Final Design Document
13	Software detailed design	Done	Similar to eLIGO OMC SUS software, using Borkspace.
14	Final approach to safety and use issues		
15	Production plans	C0900024	OMC SUS Production/Procurement Plan
16	Plans for acquisition of parts, components, materials for fabrication	C0900024	OMC SUS Production/Procurement Plan
		E09000051	OMC SUS Inspection Plan

17	Installation plans and procedures	E070271-05	OMC SUS Installation Procedures
18	Final hardware test plans	T0900080	OMC SUS Advanced LIGO Test Plan
19	Final software test plans	T080008	OMC SUS Controls Test Plan,http://www.ligo.caltech.edu/~jay/documents/T080008-00-C.pdf
20	Cost compatibility with cost book		
21	Fabrication, installation and test schedule	Carol's site	http://www.ligo.caltech.edu/~advligo/index_fullsite.html
22	Lesons learned documented circulated	E0900049	
23	Problems and concerns	E0900049	

Comments

vanced LIGO
http://lhocds.ligo-wa.caltech.edu:8000/advligo/UHVWeldingPlan

Suspension design supports an optical bench
on which cavity is mounted.

Document signed as required

Required process now captured in E0900023-
v1. Another round of obtaining blades to
widen vendor field is about to take place.

Prototyping has been carried out. Required
process now captured in E0900023-v1

vendor-sensitive data