LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY - LIGO -

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This is an internal working note of the LIGO Project.

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1 LIGO TOP-LEVEL DOCUMENTS

1.1. DCC Information

T970050-xx	DCC Document Listing
L960641-05	Electronic Submissions to the Document Control Center (instructions)
G960249-00	Electronic Submissions to LIGO Document Control Center (DCC) (flowchart)
L970164-02	Procedures for Release of Controlled Drawings and Specifications
E960024-00	Document Change Notice (DCN) completed example

1.2. Management Documentation

1.2.1. Project Plans and Policies

M950046-A	LIGO PROJECT SYSTEM SAFETY PLAN
M960076-A	LIGO PROJECT QUALITY ASSURANCE PLAN
E960099-B	LIGO RELIABILITY PROGRAM PLAN
L950262-00	Conference Talks/Attendance
L970529-00	LIGO modem pool at Caltech

1.2.2. Annual Reports

M970007-01 Annual Report (December 1995 through November 1996)

1.2.3. Quarterly Reports

M960024-00	Quarterly Progress Report (December 1995 through February 1996)
M960055-00	Quarterly Progress Report (March 1996 through May 1996)
M970034-00	Quarterly Report (December 1996 through February 1997)
M970080-00	Quarterly Report (March 1997 through May 1997)
M970138-00	Quarterly Report (June 1997 through August 1997)

1.2.4. Monthly Reports

M970017-01	Monthly Progress Report (End of December 1996)
M970033-00	Monthly Progress Report (End of January 1997)
M970042-00	Monthly Progress Report (End of March 1997)

1.2.5. Proposals

M950020-01	LIGO Operations, 1997-2001
M960051-A	LETTER OF INTENT FOR A RESEARCH AND DEVELOPMENT PRO-
	GRAM FOR ADVANCED LIGO DETECTORS BY THE LIGO MIT/
	CALTECH GROUPS
M970001-01	Revised Proposal for a Research and Development Program For Advanced
	Detectors by the LIGO MIT/Caltech Groups - FY 1997 Proposal Budget

1.2.6. Review Presentation Materials

1.2.6.1 NSF Review April 13-17, 1997

G970068-00	LIGO DATA PROCESSING
G970071-01	BEAM TUBE BAKEOUT
G970075-01	LIGO Project Cost/Schedule Status
G970091-00	LIGO Control and Data System Control and Monitoring

1.3. Publications

P940008-00	Measurement of Optical Path Fluctuations due to Residual Gas in the LIGO 40
	Meter Interferometer
P950017-02	The Laser Interferometer Gravitational-Wave Observatory (LIGO) Project
P960024-A	PRINCIPLES OF CALCULATING ALIGNMENT SIGNALS IN COMPLEX
	RESONANT OPTICAL INTERFEROMETERS
P960031-C	The Laser Interferometer Gravitational Wave Observatory Project LIGO
P960041-02	Recent Research on the LIGO 40 m Interferometer
P960042-00	Development of Laser Interferometers for Gravitational Wave Detection:
	Abstract and Summary
P970002-00	Modeling LIGO Data Analysis

1.4. System Engineering Documentation

1.4.1. System Requirements

D970307-00	LIGO SYSTEMS FUNCTIONAL BLOCK DIAGRAM
E950018-02	LIGO Science Requirements Document (SRD)
E950111-A	LIGO Naming Conventions
E960036-A	LIGO EMI CONTROL PLAN AND PROCEDURES
E960099-B	LIGO RELIABILITY PROGRAM PLAN
E960010-A	LIGO Sites Alignment Requirements
E950083-B	Science Requirements for the LIGO Beam Tube Baffles
Т970130-В	Specification of a Common Data Frame Format for Interferometric Gravitational
	Wave Detectors (IGWD)

1.4.2. Modeling and Data Analysis

T970159-04	LIGO Data Analysis System Design Requirements
T970211-00	LIGO Data Analysis System Software Specification for C, C++ and Java
T970160-06	LIGO Data Analysis System Conceptual Design.
G970288-00	LIGO Data Analysis System Design Requirements Review (DRR)
G970064-00	Modeling LIGO Data Analysis
G970135-00	What We've Learned About What We've Learned About "FRAMES"
G970156-00	Computer Languages Computer Languages why all the fuss about why all the
	fuss about C++
G970261-00	LDAS Prototyping & Testing
T970100-A	LIGO Data Analysis Software Specification Issues

T970101-A	Strain Calibration in LIGO
M970013-02	A Proposal for the First Experiment for Validation of the 40m End-to-End Model
M970065-B	White Paper Outlining the Data Analysis System (DAS) for LIGO I
T970128-02	Quantization Noise in Ligo Interferometers
T970167-00	LIGO Science Benchmarks
T970166-01	Benchmark tests for inspiraling binary searches for LDAS
T970186-01	Overview of the 40m End-to-End Model

1.4.3. Alignment

E960010-A	LIGO Sites Alignment Requirements
L960348-01	LIGO Coordinate Names and Reference Designations - CAUTION
T950004-B	Derivation of Global and Local Coordinate Axes for the LIGO Sites
T950107-A	Orientation of the LIGO Beam Center Lines with respect to foundation slabs
T960176-C	Determination of the as-built LIGO Global Coordinate Axes for Hanford, WA
T960042-A	Alignment Tolerances and Re-Alignment Criteria for the LIGO Beam Tubes
T970117-A	LIGO Site-to-Site Separation

1.4.4. Testing, Measurements and Analysis

T960128-00	Radiation Pressure Noise in LIGO
T970054-00	Beam Tube Dynamics
T970216-A	Results of the Electromagnetic Survey for the LIGO Site at Hanford, WA

1.4.5. Layout Drawings

INTEGRATED LAYOUT DRAWINGS: USAGE & MAINTENANCE
Chamber & Rack Designations - WA (Corner Station)
Chamber & Rack Designations - WA (Mid Station)
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1.4.6. Other

E950107-00	LIGO Foundation Thickness Decision: Minutes of Integration Meeting on 8
	December 1995
E950108-00	LIGO Configuration Change to Nd:YAG Lasers: Impact on Facilities Chiller
	Requirements
T950066-02	RESPONSE TO MULTIPLE ACTION ITEMS IN PARSONS' "REQUIRE-
	MENTS DEFINITION WORKSHEET"

2 FACILITIES DOCUMENTATION

2.1. Vacuum Equipment

2.2. Beam Tube

2.2.1. Design Requirements and Qualification

T960042-A	Alignment Tolerances and Re-Alignment Criteria for the LIGO Beam Tubes
T960125-00	Ream Tube Qualification Test

2.2.2. Baffles

E950083-B	Science Requirements for the LIGO Beam Tube Baffles
E960028-A	Specification, Porcelain Coating of Beam Tube Baffles
E960037-A	COMPONENT SPECIFICATION: MECHANICAL FABRICATION OF BEAM
	TUBE BAFFLES
E960038-00	DCN for E960028-A and E960037-A
T970053-00	Baffle Glaze Shedding

2.2.3. Bakeout

E960123-03	Beam Tube Bakeout Design Requirements Document
E970125-A	COMPONENT SPECIFICATION: BEAM TUBE MODULE INSULATION
E970167-A	COMPONENT SPECIFICATION: Cryopump for Beam Tube Bakeout
E970184-A	COMPONENT SPECIFICATION: Calibrated Leak Assembly
T960124-00	ISSUES AND CONSIDERATIONS ON THE BEAM TUBE BAKE
T960178-01	Beam Tube Bakeout Conceptual Design
T970148-00	Beam Tube Bakeout Preliminary Design
G960181-00	BEAM TUBE BAKEOUT
G960241-00	BEAM TUBE BAKEOUT DESIGN REQUIREMENTS REVIEW
L970483-00	Beam Tube Bakeout Design Requirements Review - Responses to Recommenda-
	tions
G970217-00	BEAM TUBE BAKEOUT PRELIMINARY DESIGN REVIEW

2.2.4. Testing, Measurements and Analysis

T970054-00	Beam Tube Dynamics
T970110-00	Information for the Beam Tube Pumpdown
T970111-00	Data from Beam Tube Pump Down II
L970429-00	Technical Board Meeting to Review Beam Tube HX2 Vacuum Test Results

2.3. Civil Construction

2.3.1. Design Requirements

E950101-00	Telecommunications requirements for Hanford, WA Site.
E950106-00	LIGO Requirements and Options for Facilities Monitoring and Control System
	(FMCS)

3 DETECTOR DOCUMENTATION

3.1. Detector System Documentation

E960112-05	Detector Subsystems Requirements
E960022-03	LIGO Vacuum Compatibility, Cleaning Methods and Qualification Procedures
E960050-A	LIGO Vacuum Compatible Materials List
T950065-A	Guidelines for Design Requirement Documents
L970196-00	Part Numbers and Serialization of Detector Hardware
L970164-02	Procedure for Release of Controlled Drawings and Specifications
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T960083-A	Derivation of CDS Rack Acoustic Noise Specifications
E960108-A	Recommendation of parameter choices in 2 km interferometer design.
T960019-00	Frequency, Intensity and Oscillator Noise in the LIGO
T960120-00	Misalignment-Beam Jitter Coupling in LIGO
T960122-00	Proposed initial detector MC and RC baseline lengths
T970068-00	Recycling Cavity and Mode Cleaner Cavity Baseline Dimensions
D970002-00	Recycling Cavity Dimensional Range
D970003-00	Recycling Cavity Layout
T960128-00	Radiation Pressure Noise in LIGO
T960136-00	Estimates for Motions due to Sound Fields
T960140-00	Fast Estimation of Transverse Fields in High Finesse Optical Cavities
T960189-00	LIGO calibration accuracy
T970007-00	Modelling the Performance of an Initial-LIGO Detector with Realistically Imper-
	fect Optics
G960250-00	Modelling the Performance of an Initial-LIGO Interferometer with Realistically-
	Deformed Optics
L970042-00	Internal Modes of Testmasses
T970077-00	Gravitational Deflection of LIGO Optics in a 9-Point Hindle Mount
T970091-00	Determination of the Wedge Angles for the Core Optics Components
T952008-00	A Tutorial For the Fast Fourier Transform Interferometer Simulator
G950061-02	A Summary and Future Preview of the FFT Simulation Initiative in LIGO
T960187-01	Effect of Microseismic Noise on a LIGO Interferometer
T970059-01	The Effect of Earth Tides on LIGO Interferometers
T970101-A	Strain Calibration in LIGO
T970128-02	Quantization Noise in Ligo Interferometers
T970167-00	LIGO Science Benchmarks
T970166-01	Benchmark tests for inspiraling binary searches for LDAS
T970149-00	Influence of the stray magnetic field generated by the Faraday isolator on SOS mirror actuators
T970174-00	Interferometric Vernier Technique for Measuring the Lengths of LIGO Fabry-
	Perot Resonators
T970177-00	Doubly Resonant Sideband Control for LIGO
T970212-00	Mirror Thermoelastic Deflection in the LIGO Optical Surface Absorption Mea-
	surement System

3.2. Suspensions and Seismic Isolation

3.2.1. Suspensions

T950011-19	Suspension Design Requirements
E970037-00	SMALL OPTICS SUSPENSION ASSEMBLY SPECIFICATION
E970038-00	LARGE OPTICS SUSPENSION SPECIFICATION
E970080-00	SMALL OPTICS SUSPENSION ASSEMBLY QUALITY CONFORMANCE
	WORKSHEET
E970132-00	LARGE OPTICS SUSPENSION ASSEMBLY QUALITY CONFORMANCE
	WORKSHEET
T960074-07	Suspension Preliminary Design
E960098-01	PRELIMINARY DESIGN REVIEW Suspension System (SUS)
L970338-00	Settlement of SUS PDR Action Items for SOS
L970528-00	Settlement of SUS PDR Action Items for LOS
T970135-02	Small Optics Suspension Final Design (Mechanical System)
T970158-06	Large Optics Suspension Final Design (Mechanical System)
T960179-00	Small Optics Suspension Prototype Test Results
T960151-01	Large and Small Optics Suspension Electronics Design Requirements
T970113-00	Large and Small Optics Suspension Electronics Preliminary Design
G970219-00	LIGO LOS and SOS Electronics PDR
E970123-A	LIGO SUSPENSION SYSTEM RELIABILITY PREDICTION REPORT
L960596-00	Cross-coupling in the suspension controllers
T960040-00	RESPONSE OF PENDULUM TO MOTION OF SUSPENSION POINT
T960126-01	Magnet size considerations; interference and coil power dissipation
T960137-00	Note on Electrostatics in the LIGO suspensions
T970149-00	Influence of the stray magnetic field generated by the Faraday isolator on SOS
	mirror actuators

3.2.2. Seismic Isolation

T960065-03	Seismic Isolation Design Requirements Document
T960066-00	Seismic Isolation Conceptual Design
M960038-00	DESIGN REQUIREMENTS REVIEW Seismic Isolation
M970104-00	PRELIMINARY DESIGN REVIEW: Seismic Isolation System (SEI)
M970048-02	PRELIMINARY DESIGN REVIEW: Seismic Isolation (SEI) Actuator System
M970049-00	PRELIMINARY DESIGN REVIEW: Seismic Isolation (SEI) System Assembly
	Sequence and Fixturing
M970082-01	FIRST ARTICLE FABRICATION READINESS REVIEW Seismic Isolation
	System (SEI): In Vacuo Hardware
T970142-00	Action Item Response Report: FIRST ARTICLE FABRICATION READINESS
	REVIEW for the Seismic Isolation System (SEI)
L970061-01	Specification Guidance for Seismic Component Cleaning, Baking and Shipping
	Preparation
E970063-01	LIGO Seismic Isolation System: Fabrication Process Specification

E970129-01	Material, Process, Handling, and Shipping Specification for Welded Diaphragm
	Bellows
E970130-00	Material, Process, Handling, and Shipping Specification for Fluorel Parts
E970129-01	Material, Process, Handling, and Shipping Specification for Welded Diaphragm
	Bellows
D972219-00	LIGO ISOLATION SYSTEM COIL SPRING SEAT
D972714-00	LIGO ISOLATION STACK FLUOREL SHIM
T970069-01	Requirements for Creep Testing of SEI Spring Elements
T970168-00	Viton Spring Seat Vacuum Bake Qualification

3.3. Lasers and Optics

3.3.1. General Documentation

L970042-00	Internal Modes of Testmasses
T970077-00	Gravitational Deflection of LIGO Optics in a 9-Point Hindle Mount
T970091-00	Determination of the Wedge Angles for the Core Optics Components
G950061-02	A Summary and Future Preview of the FFT Simulation Initiative in LIGO
T970212-00	Mirror Thermoelastic Deflection in the LIGO Optical Surface Absorption Mea-
	surement System

3.3.2. Prestabilized Laser

E950081-06	Nd 3+ Laser Target Specifications
T950030-03	Prestabilized Laser Design Requirements
T970080-09	(Infrared) Pre-stabilized Laser (PSL) Design Requirements
T970087-04	(Infrared) Pre-stabilized Laser (PSL) Conceptual Design
M970044-00	LIGO Detector Review Report - Preliminary Design Review (PDR) - Design and
	Fabrication of Nd3+ Lasers
L970108-00	(Review of) LightWave Electronics (LWE) Laser Reliability Plan
M970142-00	Temporary Operational Safety Procedure For The LIGO 10-W Laser
T970145-00	Performance of VCO/AOM frequency shifter
T970115-00	(Infrared) Pre-stabilized Laser (PSL) Electronics Design Requirements
T970114-00	IR PSL CDS CONCEPTUAL DESIGN DOCUMENT

3.3.3. Input Output Optics

T960093-02	Input Output Optics Design Requirements Document
L970447-00	Settlement of IOO DRR Action Items
T970143-00	Design Considerations for LIGO Mode-Matching Telescopes
T970144-00	Input Optics Preliminary Design
T970149-00	Influence of the stray magnetic field generated by the Faraday isolator on SOS
	mirror actuators

3.3.4. Core Optics

E950099-04	Core Optics Components Requirements (1064 nm)
T970071-01	Core Optics Support Design Requirements Document
T970072-01	Core Optics Support Conceptual Design
G970067-00	Core Optics Support Design Requirements Review
T970109-00	Spectral Analysis of Coated Optic Phase Maps

3.3.4.1 Recycling Mirror Specifications

3.3.4.2 Input Test Mass Specifications

E960093-B	COMPONENT SPECIFICATION: SUBSTRATE, INPUT TEST MASS
D960787-B	INPUT TEST MASS SUBSTRATE, 4K
D960803-B	INPUT TEST MASS SUBSTRATE, 2K
E960095-A	COMPONENT SPECIFICATION: MIRROR BLANK MATERIAL, INPUT
	TEST MASS

3.3.4.3 Beam Splitter Specifications

E960100-B	COMPONENT SPECIFICATION: SUBSTRATE, BEAM SPLITTER
D960789-B	BEAM SPLITTER SUBSTRATE
E960094-B	COMPONENT SPECIFICATION: MIRROR BLANK MATERIAL, BEAM
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E960102-A	COMPONENT SPECIFICATION: SUBSTRATE, END TEST MASS
D960791-A	END TEST MASS SUBSTRATE
E960097-A	COMPONENT SPECIFICATION: MIRROR BLANK MATERIAL, FOLDING
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3.3.4.5 Folding Mirror Specifications

E960101-A	COMPONENT SPECIFICATION: SUBSTRATE, FOLDING MIRROR
D960790-A	FOLDING MIRROR SUBSTRATE
E960097-A	COMPONENT SPECIFICATION: MIRROR BLANK MATERIAL, FOLDING
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3.3.5. Core Optics Components Carrying Case Drawings

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D961460-C	Large Core Optic Component Carrier Assembly
D970006-B	Material List - Large Core Optic Component Carrier Assembly
D970597-A	Drawing List - Large Core Optic Component Carrier Assembly (linked list)

D961461-C	Beam Splitter Optic Carrier Assembly
D970007-B	Material List - Beam Splitter Optic Carrier Assembly
D970598-A	Drawing List - Beam Splitter Optic Carrier Assembly (linked list)
D961468-B D970599-A	Core Optic Component Carrier Metrology Interface Top Plate Assembly Drawing List - Metrology Interface Top Plate Assembly (linked list)
D970064-B D970065-B	COC Carrier Shipping Compartment Assembly COC Carrier Shipping Compartment Details

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T952007-04	Alignment Sensing/Control Design Requirements Document
T960134-00	Alignment Sensing/Control Conceptual Design
T970060-00	Alignment Sensing/Control Preliminary Design
T952013-00	Alignment Design Interfaces
T960103-00	ASC: Environmental Input to Alignment noise
T950049-00	ASC Centering Subsystem Description
T950069-00	Naming and Interface Definition for ASC Wavefront/Centering
T950073-00	Interferometer Requirement Flowdown To ASC
T950074-00	Naming and Interface Definition for ASC Initial Alignment
T970063-00	Response to Alignment Sensing and Control DRR2 Action Items
T970061-00	ASC CDS Design Requirements Document
T970062-00	ASC CDS Conceptual Design
T960138-00	ASC Channel Count

3.4.1.1 Optical Lever

T950106-01	ASC Optical Lever Design Requirement Document
T950112-00	ASC Optical Lever Specification and Design Document
T950070-00	Naming Convention and Interface Definition for Optical Lever

3.4.1.2 Wavefront Sensing

T960111-A	WAVEFRONT SENSOR
T960113-00	Modal Model Update 1: Interferometer Operators
T960114-B	Modal Model Update 2: GW-Sensitivity to Angular Misalignments
T960115-A	Modal Model Update 3: Small Angle Regime
T960116-00	Modal Model Update 4: Mode Mismatch
T960191-00	Modal Model Update 5 Large Angle Regime
T960118-00	Modal Model Update 6: Mode Cleaner
T970058-00	Modal Model Update 7 Angular Transfer Functions

3.4.2. Length Sensing/Control

T960058-03	Length Sensing and Control Design Requirements Document
T970138-00	LSC CDS Design Requirements
T970139-00	LSC CDS Conceptual Design
T970122-00	Length Sensing and Control Subsystem Preliminary Design
T952109-01	LIGO Length Sensing System: Design considerations for a tabletop prototype
	interferometer
T960067-00	Length Control RMS Deviations from Resonance
T960139-00	Shot noise sensitivity of the length control error signals
T970084-00	Frequency Response of the LIGO Interferometer
T970101-A	Strain Calibration in LIGO
G970192-00	Length Sensing and Control Subsystem Preliminary Design Review

3.5. Control and Data System

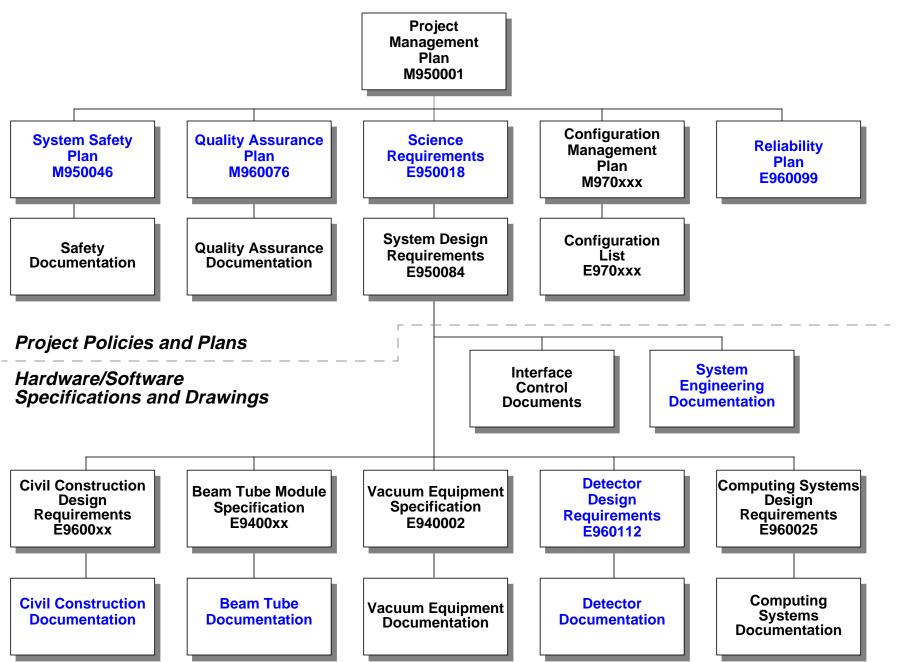
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T950054-02 T950120-01	CDS Control and Monitoring Design Requirements Document CDS Control and Monitoring Conceptual Design
T960004-A	CDS Software Development Plan and Guidelines
T960009-00	LIGO Data Acquisition System Design Requirements
T960010-00	CDS Data Acquisition System Conceptual Design
T970136-00	CDS Data Acquisition Preliminary Design
T970171-00	CDS Control and Monitoring Final Design
G970289-00	CDS Control & Monitoring Final Design Review (FDR)
T970115-00	(Infrared) Pre-stabilized Laser (PSL) Electronics Design Requirements
T970114-00	IR PSL CDS CONCEPTUAL DESIGN DOCUMENT
T960151-01	Large and Small Optics Suspension Electronics Design Requirements
T970113-00	Large and Small Optics Suspension Electronics Preliminary Design
G970219-00	LIGO LOS and SOS Electronics PDR
T970061-00	ASC CDS Design Requirements Document
T970062-00	ASC CDS Conceptual Design
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T970138-00	LSC CDS Design Requirements
T970139-00	LSC CDS Conceptual Design
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T970165-00	PEM Data Acquisition Preliminary Design
D970532-00	Hanford PEM Data Acquisition System Preliminary System Layout
T960107-00	LIGO Interferometer Diagnostics System Design Requirements
T960108-00	Interferometer Diagnostics Conceptual Design
T960024-A	Vacuum Control and Monitoring System (VCMS) Design Requirements
T960037-00	Vacuum Control and Monitoring System (VCMS) Design
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T970001-00	Vacuum Control and Monitoring System (VCMS) Final Design
E970158-00	Hanford EPICS Vacuum Controls Vacuum Gauge Pair (Pirani and Cold Cathode)
	Test Specifications
E970159-00	Hanford EPICS Vacuum Controls Electric Gate Valve Test Specifications
E970160-00	Hanford EPICS Vacuum Controls Pneumatic Gate Valve Test Specifications
E970161-00	Hanford EPICS Vacuum Controls Cryogenic Pump Test Specifications
E970162-00	Hanford EPICS Vacuum Controls 2500l/s Ion Pump Test Specifications
E970163-00	Hanford EPICS Vacuum Controls 75 l/s Ion Pump Test Specifications
E970001-00	DCN for VCMS Drawings
T970179-00	How to Build the Hanford Left End Station EPICS Vacuum Controls System
T970180-00	How to Build the Hanford Left Mid Station EPICS Vacuum Controls System
T970181-00	How to Build the Hanford Left LVEA-Y Station EPICS Vacuum Controls System
T970182-00	How to Build the Hanford Right LVEA-X Station EPICS Vacuum Controls System
T970183-00	How to Build the Hanford Mechanical Room Station EPICS Vacuum Controls System
T970184-00	How to Build the Hanford Right Mid Station EPICS Vacuum Controls System
T970185-00	How to Build the Hanford Right End Station EPICS Vacuum Controls System
T960014-00	Vacuum Feedthrough and Cabling Conceptual Design
T960177-00	LIGO Cable Numbering and Marking Standard
T970076-00	LIGO CDS VME Mainframe Specification
T960083-A	Derivation of CDS Rack Acoustic Noise Specifications
D970595-00	8KHz Instumentation Amplifier/Filter
D970596-00	500Hz Instumentation Amplifier/Filter
3.6. Phys	ical Environment Monitor
T960127-02	Physical Environmental Monitor Design Requirements Document
T960145-00	Physical Environmental Monitor Conceptual Design
T970086-00	Physical Environmental Monitor Preliminary Design Document
G970026-00	Physics Environment Monitoring Preliminary Design Review
L970028-00	DESIGN REQUIREMENTS REVIEW Physics Environment Monitoring (PEM) Action Item Responses
M970137-01	PRELIMINARY DESIGN REVIEW Physics Environment Monitoring (PEM)
T970112-00	Physics Environment Monitoring Final Design Document
D970532-00	Hanford PEM Data Acquisition System Preliminary System Layout
T970165-00	PEM Data Acquisition Preliminary Design

4 R&D DOCUMENTATION

D961304-06	OPTICAL LAYOUT - 40m RECYCLING
G960172-00	THE FMI ALIGNMENT EFFORT
G970152-01	LIGO@ MIT: Transition to Operations and Advanced Detector R& D
M960114-00	Statement of Work: Replacement of Vertex Masses at 40m
M960115-00	Statement of Work: Installation of Side Chamber and Reconfiguration of Associated Optics at the 40m
M970013-02	A Proposal for the First Experiment for Validation of the 40m End-to-End Model
T950035-01	Measurement of the Ground Drift at the 40-m Lab
T950137-00	Description of the Electronics for the FMI Wavefront Experiment
T960013-02	Calculation of the Modulation Frequency for the 40m Power Recycling Interferometer
T960015-03	Calculation of Optical Parameters for the 40m Power Recycling Interferometer
T960072-00	Beam Splitter and Recycling Mirror Suspension Controller Design Requirements
T960073-00	40 Meter Recycling Electronics Design Requirements
T960162-02	Specifications of the 40m Test Mass Suspension Prototype
T960186-00	Procedure for Attaching the Fins and Hanging the PNI Mirrors
T970085-02	Correlation Function and Power Spectrum of Non-Stationary Shot Noise
T970090-00	Proposal for a table-top prototype resonant sideband extraction interferometer
T970099-00	Statement of Work: Change of Modulation Frequency at the 40m
T970102-00	40 Meter BS and RCM Suspension Controller Test Plan
T970103-00	BS and RCM Suspension Electronics Operator's Manual
T970186-01	Overview of the 40m End-to-End Model

LIGO CONFIGURATION DOCUMENTATION



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