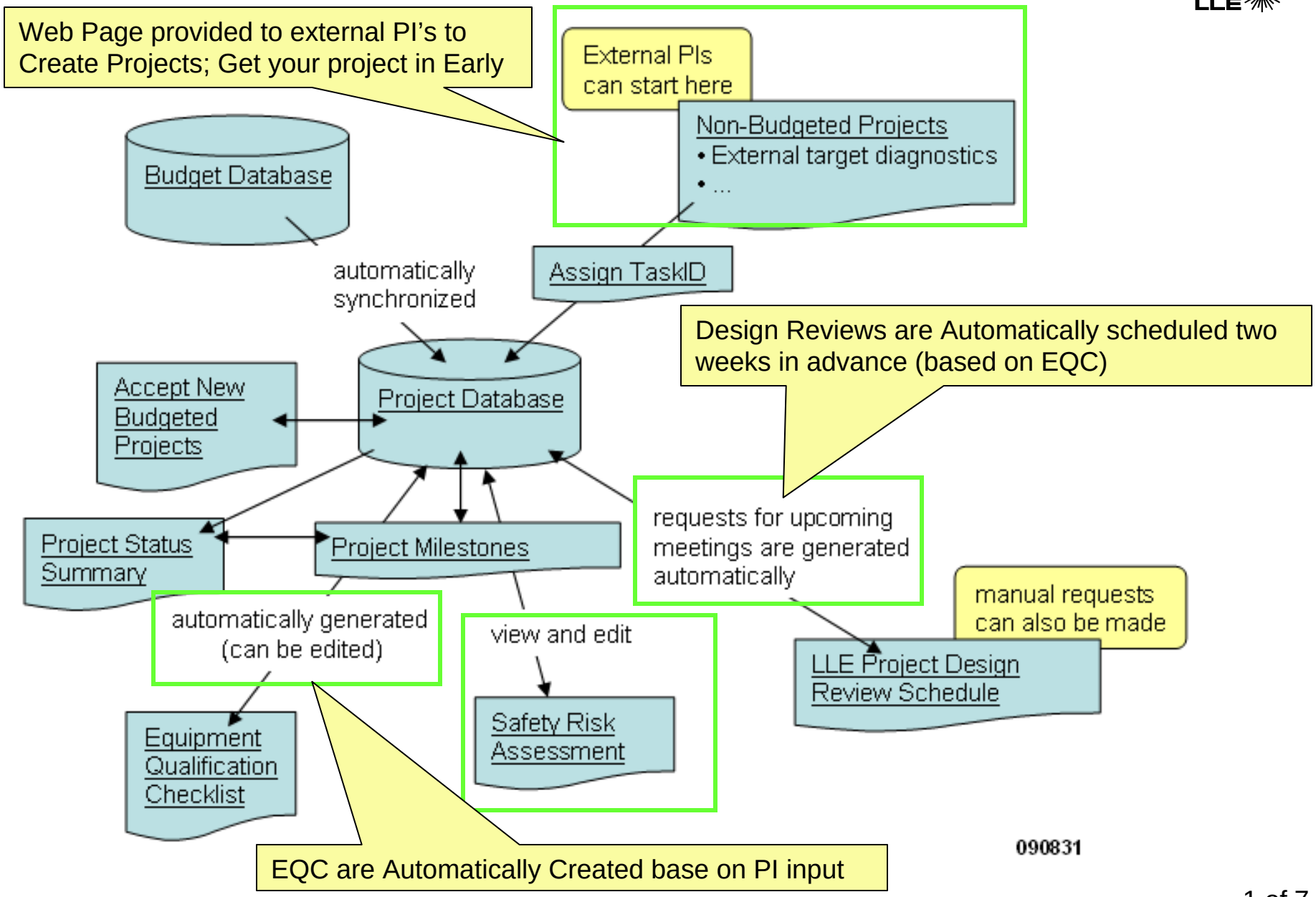
LLE Project Database Training



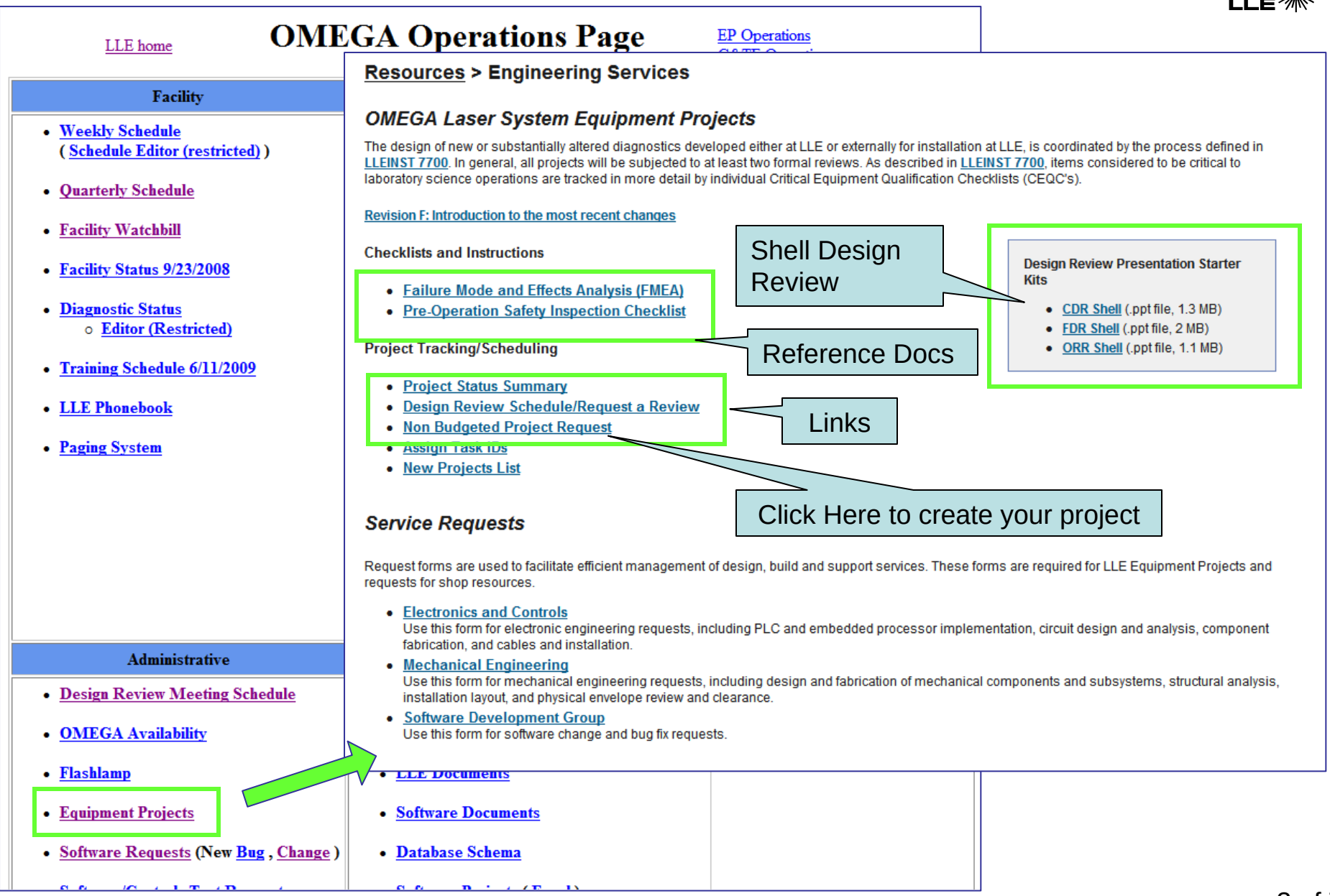
Goals

UR LLE

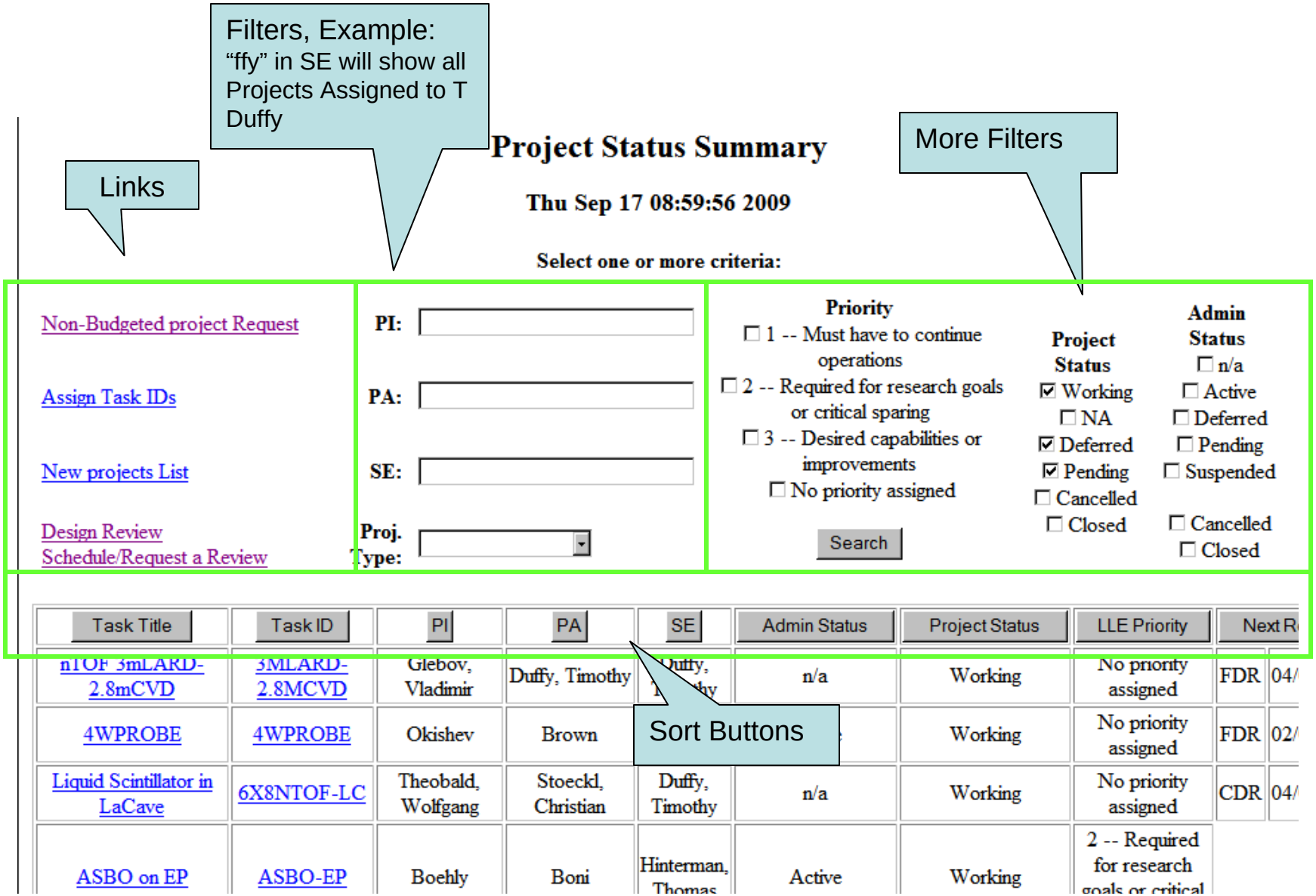
- Provide a 1-2 week notice for all design reviews – meetings requests are auto-generated
- Provide project request page for non budgeted projects (accessible by external PI's) – important information is captured up front
- Improve the Quality of Design Reviews: – Auto-generate EQC – Make SRA available on Web – Provide shell design reviews
- Provide 1st Use date on managers report page

<u>In Summary:</u> Many Design reviews were scheduled with 1-2 day notice and most reviews were typically incomplete; many projects were not on managements "radar" – this project database upgrade addresses these issues

Web EQC Navigation



Project Status Summary



Project Status Summary – Double Click Task ID provides this page

LLE Project Milestones

Task ID ASBO-EP
Project Title ASBO on EP
PI Boehly, Thomas
PA Boni, Robert
SE Duffy, Timothy
Project Type Other
Origination Internal
PBR? Y
Admin Status Active as of 06/30/09
Project Status Working
Concept Development 3 weeks
Parent Project Title n/a
Design Process 2 weeks
Parent Task ID n/a
Fabrication, Test & Installation 2 weeks
First Use Date

Children	Title

Updated: 05/15/09 **By:** thin
Task Description: : Replicate the OEMGA ASBO system on EP. Duplicate with minor modifications/corrections the telescope and the optical table. Use the existing ASBO laser in OMEGA transported to EP via fiber optic.
LLE Priority: 2 -- Required for research goals or critical sparing

Design Review Milestones

Item	Scheduled Comp. Date	Actual Comp. Date
Project Requirements Review (PRR)		
Conceptual Design Review (CDR)		02/13/08
Preliminary Design Review (PDR)	04/01/08	07/09/08
Control Requirements Review (CRR)		
Final Design Review (FDR)	05/15/08	10/08/08
System Installation Complete	02/01/09	
System Testing Complete		
Installation/Operational Readiness Review (ORR)		
First Use Date		

Key Dates

EQC & SRA are accessed here

EQC SRA

Notes:

Project Materials

Folder	\\Sequoia\Design_Reviews\ASBOEP
PDM Series	D-AS-

Project Team

Principal Investigator	Boehly, Thomas
Principal Assistant	Boni, Robert
System Engineering	Duffy, Timothy
Mechanical Engineering	Pruyne, Adam
Electronics & Controls	
Optical Manufacturing	
Software Development	
Optical Engineering	Weiner, David
Customer/User	

Project Team

Resource Requirements

Functional Group	PBR	Request Submitted
Mechanical Engineering	x	
Electronics & Controls	x	
Software Development	x	
Optical Manufacturing		
Optical Engineering		

Create a non-budgeted project Edit To Report Page

Non Budgeted Project Requests –

A project must have a record in the database to schedule a meeting

Non-Budgeted Project Request

Internal/External: External

Proj Type: Target Diagnostic / Other

Project Title: NIF OHRVII

PI: Celliers, Peter

PA: Armstrong, William

PBR? N Admin Status: n/a Project Status: Pending

Task Description: Upgrade OHRV to vacuum enclosed optical assembly.

Concept Development	3 weeks (Min: 3) ends at CDR	CDR	10/09/09
Design Process	4 weeks (Min: 2) ends at FDR	FDR	11/06/09
Fabrication, Test & Installation	8 weeks (Min: 2) ends at ORR	ORR	01/11/10
First Use Date	2/1/10		Calculate

Calculated CDR Date must be at least 3 weeks in the future.

Enter a comma-delimited list of E-Mail nicknames

Design Review Invite List: loughman1@llnl.gov,heeter1@llnl.gov,uphaus1@llnl.gov, house3@llnl.gov

Submit Clear Pro

Enter Time Parameters, Use calculate button to determine if time frame is acceptable. Error message will appear, if minimum time parameters are used and the system still rejects the proposed schedule, then:

1. Move the first Use date until the system accepts the schedule
2. Submit the project and If first Use date needs to be moved up, then contact System Engineering
3. SE will work with Managers to determine the fastest time frame and adjust the EQC accordingly

Design Review Starter Kits/Templates

Resources > Engineering Services

OMEGA Laser System Equipment Projects

The design of new or substantially altered diagnostics developed either at LLE or externally for installation at LLE, is coordinated by the process defined in LLEINST 7700. In general, all projects will be subjected to at least two formal reviews. As described in LLEINST 7700, items considered to be critical to laboratory science operations are tracked in more detail by individual Critical Equipment Qualification Checklists (CEQC's).

Revision F: Introduction to the most recent changes

Checklists and Instructions

- Failure Mode and Effects Analysis (FMEA)
- Pre-Operation Safety Inspection Checklist

Project Tracking/Scheduling

- Project Status Summary
- Design Review Schedule/Request a Review
- Non Budgeted Project Request
- Assign Task IDs
- New Projects List

Design Review Presentation Starter Kits

- CDR Shell (.ppt file, 1.3 MB)
- FDR Shell (.ppt file, 2 MB)
- ORR Shell (.ppt file, 1.1 MB)

Design Review Templates will ensure all relevant topics are covered; Down Load a template to your hard drive – they will be updated periodically, especially in the first few months (user input & experience)

Service Requests

Request forms are used to facilitate efficient management of requests for shop resources.

- Electronics and Controls
  Use this form for electronic engineering requests, including PLC and embedded processor implementation, circuit design and analysis, component fabrication, and cables and installation.
- Mechanical Engineering
  Use this form for mechanical engineering requests, including design and fabrication of mechanical components and subsystems, structural analysis, installation layout, and physical envelope review and clearance.
- Software Development Group
  Use this form for software change and bug fix requests.