



Appendix A – LCLS Level 1 / Level 2 Milestones

Milestone Level	Milestone Description	Scheduled Date
1	CD-0 Approve Mission Need	June-01 (A)
1	CD-1 Approve Preliminary Baseline Range	October-02 (A)
1	CD-2a Approve Long-Lead Procurement Budget	July-03 (A)
1	CD-2b Approve Performance Baseline	July-04
1	CD-3a Approve Start of Long-Lead Procurement	September-04
1	CD-3b Approve Start of Construction	September-05
1	CD-4 Approve Start of Operations	October-08
2	DOE External Independent Review (EIR) Complete	June-04
2	Sector 20 Alcove Beneficial Occupancy	July-05
2	Preliminary Safety Assessment (PSAD) Document Approved	August-05
2	Start Drive Laser Commissioning	September-05
2	Magnetic Measurement Facility (MMF) Qualified & Ready to Measure Production Undulators	September-05
2	Start Injector Commissioning	May-06
2	Shutdown of Final Focus Test Beam (FFTB) Operations	June-06
2	Research Yard Modifications Beneficial Occupancy	June-06
2	Near Experimental Hall (NEH) Beneficial Occupancy	September-06
2	Delivery of Undulator 1st Article to MMF	October-06
2	Dog-Leg-1 (DL1) Installation Completed	October-06
2	Drive Laser: UV Beam to Cathode	November-06
2	Undulator Facility Beneficial Occupancy	December-06
2	Front-End Enclosure Beneficial Occupancy	April-07
2	Linac Facility Beneficial Occupancy	April-07
2	First Beam on Linac Axis	June-07
2	Undulator Production Units Received	June-07
2	Beam Transport Hall Beneficial Occupancy	July-07
2	X-Ray Transport Beneficial Occupancy	July-07
2	Far Experimental Hall Beneficial Occupancy	August-07
2	Start Bunch Compressor-1 (BC1) Commissioning	September-07
2	Start Bunch Compressor-2 (BC2) Commissioning	January-08
2	Final Safety Analysis Analysis Document (FSAD) Approved	March-08
2	Central Lab Office (CLO) Complex Beneficial Occupancy	March-08
2	Accelerator Readiness Review (ARR)	April-08
2	Undulator System Installation Complete	April-08
2	Start Linac-to-Undulator (LTU) Commissioning	May-08
2	Start Undulator Commissioning	June-08
2	Start X-Ray Transport, Optics and Diagnostics Commissioning	June-08
2	LCLS Start Operations	October-08