

P3 ID	Level 1 DOE (SC1) Milestones	Baseline	CR Proposed	
MS1_PM000	CD0 - Approve Mission Need	6/17/2001	6/17/2001A	
MS1_PM005	CD1 - Approve Preliminary Baseline Range	10/16/2002	10/16/2002A	
MS1_PM015	CD2a - Approve Long-Lead Procurement Budget	7/30/2004	7/30/2004A	
MS1_PM025	CD3a - Approve Start of Long Lead Procurement	10/29/2004	10/29/2004A	
MS1_PM020	CD2b - Approve Performance Baseline	3/31/2005	3/31/2005A	
MS1_PM030	CD3b - Approve Start of Construction	2/28/2006	3/21/2006A	
MS1_PM035	CD4a - Start of Near Hall Operations	NA	7/31/2009	
MS1_PM040	CD4b - Start of Far Hall Ops - Project Complete	3/31/2009	5/31/2010	
	Level 2 DOE (SSO) Milestones			
MS2_LN025	Start Linac (Li20-Li30) Commissioning	3/3/2008	2/4/2008	q
MS2_UN105	Start Installation of Undulator Facility	5/20/2008	2/4/2008	q
MS2_LN110	Start Installation of Beam Transport Hall	5/20/2008	2/4/2008	q
	Linac ARR (Li20-Li30) Complete	1/31/2008	4/7/2008	DELETE x
MS2_XE060	XE Start Installation in NEH	5/20/2008	9/18/2008	q
MS2_XT100	XT Start FEE Installation	5/20/2008	9/22/2008	q
MS2_LN032	Linac (Li20-Li30) Commissioning Complete	NEW	9/30/2008	q
MS2_PM005	Final Safety Analysis Document (FSAD) Approved	3/31/2008	10/15/2008	Per Dave Schultz q
MS2_PM030	LCLS ARR Complete (BTH thru FEH)	7/11/2008	2/9/2009	q
MS2_LN015	Start Linac-to-Undulator (LTU) Commissioning	7/31/2008	2/9/2009	q
MS2_XE065	AMO Ready for Basic Experiments (CD4a)	NEW	2/26/2009	q
MS2_XE015	2-D Detector Shipped to SLAC	12/5/2007	3/13/2009	Desc Change
MS2_UN025	Start Undulator Commissioning (1st Light)	8/18/2008	5/5/2009	q
MS2_XT005	Start FEE Commissioning with Beam	10/8/2008	5/5/2009	Desc Change
MS2_XE050	XE Start Installation in FEH	8/20/2008	9/1/2009	q
MS2_XE005	First X-Rays into NEH	10/2/2008	7/13/2009	Desc Change
MS2_XT050	XT Start Tunnel Installation	8/20/2008	8/12/2009	q
MS2_XT075	First X-Rays into FEH	NEW	4/8/2010	q
MS2_IJ0010	Start Injector Commissioning (Drive Laser)	1/29/2007	1/16/2007A	x
MS2_IJ0027	Injector Laser Commissioning Review Complete	1/31/2007	12/1/2006A	x
MS2_PM055	Prelim Safety Assessment (PSAD) Doc Approved	2/28/2006	2/28/2006A	x
MS2BO_020	Linac Water/Power Available	7/11/2007	3/29/2007A	x
MS2_IJ0030	Injector Accelerator Readiness Review (ARR) Comp	1/31/2007	3/30/2007A	x
MS2BO_005	Sector 20/Alcove Beneficial Occupancy	7/21/2006	4/14/2006A	x
MS2_PM045	Prelim Safety Assessment (PSAD) Doc Complete	4/30/2004	4/30/2004A	x
MS2_IJ0020	Start Injector Commissioning(UV Beam to Cathode)	4/9/2007	4/5/2007A	x
MS2_PM035	DOE External Independent Review (EIR) Complete	6/15/2004	6/15/2004A	x
MS2_UN010	Delivery of Undulator 1st Articles to MMF	7/3/2006	6/15/2006A	x
MS2_PM040	Fire Hazard Analysis Approved	6/30/2005	8/15/2005A	x
MS2_UN005	MMF Qualified & Ready to Measure Prod Undulators	11/27/2006	8/28/2006A	x
MS2BO_025	Research Yards Mods Beneficial Occupancy	10/20/2006	8/30/2006A	x
	Level 3 SLAC (LCLS PO) Milestones			
	Injector System (WBS 1.02)			
MSC_IJ000	CRIT: Release RFP for Drive Laser	10/15/2004	10/15/2004A	q
MS3_IJ095	Award of Drive Laser Contract Complete	6/30/2005	6/30/2005A	q
	Wall Region Installation Complete	12/16/2005	12/16/2005	? Not in P3 or dictionary: Delete from M/S Project
MS3_IJ032	Laser Tables & Optical Paths Installation Comp	8/21/2006	8/1/2006A	q
MS3_IJ005	Drive Laser Available for Integration	11/16/2006	11/30/2006A	q
	Heater Region Installation Complete	12/7/2006	12/30/2006	? Not in P3 or dictionary: Delete from M/S Project
MS3_IJ0010	Start Injector Commissioning (Drive Laser)	12/14/2006	1/16/2007A	q
MS3_IJ0027	Injector Laser Commissioning Review Complete	12/14/2006	11/30/2006A	q
MS3_IJ0030	Injector Accelerator Readiness Review (ARR) Comp	12/15/2006	3/30/2007A	x
MS3_IJ085	Accelerator Region Installation Complete	1/29/2007	12/30/2006A	x
MS3_IJ080	Gun Region Installation Complete	1/29/2007	3/30/2007A	x
MS3_IJ110	Injector RF Subsystem Installation Complete	1/31/2007	3/30/2007A	x
MS3_CT070	Injector Controls Installation Complete	1/2/2007	3/16/2007A	x
MS3_IJ105	Spectrometer Installation Complete	2/2/2007	3/30/2007A	x
MS3_IJ125	RF Gun Ready for Installation	2/15/2007	12/1/2006A	x
MS3_IJ100	Insertion Region Installation Complete	2/8/2007	12/30/2006A	x
MS3_IJ0020	Start Injector Commissioning(UV Beam to Cathode)	3/6/2007	4/5/2007A	x
MS3_IJ120	Laser Heater Installation Complete	1/2/2008	11/21/2008	q
	Linac System (WBS 1.03)			
MSC_LN005	CRIT: Release RFP X-Band Klystron	2/25/2005	2/25/2005A	x
MSBS_090	Shutdown of FFTB Operations	6/1/2006	4/10/2006A	x
MS3_LN016	BC1 Bend Magnet Ready for Installation	11/13/2006	9/29/2006A	x
MS3_LN010	X-Band Klystron Ready for Installation	11/27/2006	8/31/2006A	x
MS3_LN012	BC1 Installation Complete	1/29/2007	1/31/2007A	x
MS3_CT072	Linac Controls Ready for BC1 Commissioning	1/31/2007	3/16/2007A	x Desc Change: is this documented?
MS3_LN013	Start BC1 Commissioning	2/28/2007	3/30/2007A	x
MS3_LN030	Linac Commissioning Review Complete - S20-30	11/5/2007	1/3/2008	x
	Linac ARR (Li20-Li30) Complete	12/3/2007		DELETE
MS3_CT075	Linac Controls Ready for BC2 Commissioning	12/3/2007		DELETE x Still in CRFN....Do we want to delete?
MS3_LN011	BC2 Installation Complete	1/2/2008	1/2/2008	q
MS3_LN025	Start Linac (Li20-Li30) Commissioning	2/1/2008	1/7/2008	q
MS3_CT080	Linac Controls Ready for LTU Installation	3/3/2008		DELETE x Still in CRFN....Do we want to delete?
MS3_LN055	E-Dump Component Installation Complete	3/26/2008	8/15/2008	q
MS3_LN035	LTU Component Installation Complete	3/26/2008	10/3/2008	q
MS3_LN032	Linac Commissioning Review Complete - LTU	3/31/2008	1/7/2009	q
MS3_LN015	Start Linac-to-Undulator (LTU) Commissioning	6/30/2008	1/8/2009	q

		Baseline	CR Proposed	
	Undulator System (WBS 1.04)			
MSC_UN005	CRIT: Release RFP TI Strongback	1/14/2005	1/14/2005A	x
MSC_UN015	CRIT: Release RFP Magnet Poles	2/4/2005	2/4/2005A	x
MSC_UN010	CRIT: Release RFP Magnet Blocks	3/23/2005	3/23/2005A	x
MSC_UN020	CRIT: Release RFP Magnet Assemblies - 1st Art	6/28/2005	6/28/2005A	x
MS3_UN028	Award of 1st Articles Mag Assy to Vendors Comp	10/11/2005	10/4/2005A	x
MSC_UN016	CRIT: Release RFP - Quadrupoles	4/12/2006	6/14/2006A	x
MS3_UN018	Undulator SUT Completed	4/28/2006	7/19/2006A	x
MSC_UN030	CRIT: Release RFP - Fixed Supports	5/9/2006	5/9/2006A	x
MS3_UN006	1st Article Vendor A Undulator 1 Rcvd @ SLAC	6/2/2006	3/30/2006A	x
MS3_UN010	1st Article Vendor B Undulator 2 Rcvd @ SLAC	6/2/2006	6/15/2006A	x
MS3_UN005	MMF Qualified & Ready to Measure Prod Undulators	10/27/2006	8/28/2006A	x
MS3_UN015	25% production undulators received	1/2/2007	8/28/2006A	x
MS3_UN022	50% production undulators received	3/19/2007	12/21/2006A	x
MS3_UN027	75% production undulators received	6/7/2007	1/31/2007A	x
MS3_UN029	Undulator Production Units (33) Received	7/6/2007	4/30/2007A	DONE x
MS3_UN040	Hydrostatic Level System Complete	5/28/2008	8/8/2008?	Per Rodd NO!
MS3_CT085	Undulator Controls Ready for Commissioning	NEW	4/28/2008	x
MS3_UN042	Wire Monitoring System Complete	5/28/2008	8/8/2008?	Change to Level 4 NO! Date not correct?
MS3_UN050	Electrons Available to Undulator	5/8/2008	3/4/2009	Delete DELETE
MS3_UN020	Undulator System Installation Complete	5/28/2008	11/14/2008	x
MS3_UN025	Start Undulator Commissioning (1st Light)	7/18/2008	4/6/2009	x Edit dictionary and/or title
MS3_UN030	1st production vacuum chamber delivered to SLAC	New	1/2/2008	
MS3_UN035	1st production Undulator RFBPM delivered to SLAC	New	4/4/2008	
MS3_UN045	1st production BFW delivered to SLAC	New	11/17/2007	
	X-Ray Transport & Diagnostics (WBS 1.05)			
MS3_XT007	Tunnel Mech/Vac Design Review Complete	11/29/2006	11/14/2006A	x
	Gas Attenuator Design Review Complete	3/30/2007	7/11/2007	DELETE Do not Delete
	Low Energy Spectral Measurement Design Complete	4/23/2007	11/26/2007	DELETE Replace
	Far Hall Mech/Vac Design Review Complete	5/23/2007	9/27/2007	DELETE
MS3_XT040	AWARD: LE Mirror Substrate	NEW	7/31/2007	
MS3_XT060	AWARD: HE Mirror Substrate	NEW	11/16/2007	
MS3_XT030	Fixed Mask Ready to Ship to SLAC	7/30/2007	12/14/2007	x
MS3_XT025	Gas/Solid Attenuator Ready to Ship to SLAC	10/29/2007	2/15/2008	x
MS3_XT100	XT Start FEE Installation	12/4/2007	8/21/2008	x Desc Change
MS3_XT050	XT Start Tunnel Installation	NEW	7/13/2009	x
	Solid Attenuator Installation Complete	12/14/2007	12/14/2007	DELETE
	Gas/Solid Attenuator Installation Complete	4/4/2008	11/13/2008	DELETE
	Total Energy Measurement Installation Complete	4/10/2008	11/13/2008	DELETE
MS3_XT071	XT Tunnel/ FEH Install/Check Complete	5/13/2008	1/11/2010	x Desc Change
	Start Far Experimental Hall Checkout	6/3/2008	11/5/2009	DELETE
MS3_XT000	FEE Install/Check Complete	8/14/2008	2/9/2009	x Desc Change
MS3_XT005	Start FEE Commissioning with Beam	9/8/2008	4/6/2009	x Desc Change
	Start Near Experimental Hall Checkout	8/26/2008	1/12/2009	DELETE
	Start XTOD Commissioning	9/8/2008	11/5/2009	DELETE
MS3_XT075	First X-Rays into FEH	NEW	3/8/2010	
	Conventional Facilities (WBS 1.09)			
MS3_CF000	A&E Serv (S20, MMF, MCC not incl) Title 1 Comp	4/30/2004	4/30/2004A	x
MS3_CF002	A&E Serv Sector 20 Title 1 Complete	4/30/2004	4/30/2004A	x
MS3_CF022	A&E Services MMF Title 1 Complete	4/30/2004	4/30/2004A	x
MS3_CF010	A&E Services Sector 20 Title 2 Complete	3/18/2005	3/18/2005A	x
MSC_CF005	CRIT: Rel RFP T3 Const. Pkg. RF Hut & S20/Alcove	4/1/2005	4/1/2005A	x
MSC_CF010	CRIT: Release RFP T3 Construction Contract (MMF)	4/14/2005	4/14/2005A	x
MS3_CF015	A&E Services MMF Title 2 Complete	5/31/2005	5/31/2005A	x
MSC_CF020	CRIT: Release RFP Construction Mgmt Pkg (CM)	7/25/2005	7/25/2005A	x
MS3_CF065	Award of Sector 20 Title 3 Complete	8/5/2005	7/28/2005A	x
MS3_CF066	Award of Magnetic Msmt Facility Title 3 Complete	8/5/2005	7/28/2005A	x
MS3_CF060	Award of Construction Management Package - Ph.1	9/30/2005	10/17/2005A	x
MSBO_000	RF Hut Beneficial Occupancy	12/7/2005	3/9/2006A	x
MS3_CF005	A&E Serv (S20, MMF, MCC not incl) Title 2 Comp	1/20/2006	2/28/2006A	x
MSC_CF000	CRIT: Release RFP T3 Construct (RY-CLOC)	1/26/2006	3/8/2006A	x
MSBO_010	Magnetic Msmt Facility(MMF) Beneficial Occupancy	4/3/2006	3/29/2006A	x
MS3BO_005	Sector 20 Alcove Beneficial Occupancy	6/21/2006	4/14/2006A	x
MSC_CF006	CRIT: Release RFP T3 Construction Pkg (Linac)	7/10/2006	7/31/2006A	x
MS3BO_025	Research Yards Mods Beneficial Occupancy	9/21/2006	8/30/2006A	x
MS3BO_020	Linac Power/Water Available	6/11/2007	3/29/2007A	x
MS3CO_015	Front End Enclosure Co-Occupancy	12/4/2007	12/4/2007	x
MS3CO_005	Beam Transport Hall Co-Occupancy	12/4/2007	12/4/2007	x
MS3CO_010	Undulator Facility Co-Occupancy	12/4/2007	12/4/2007	x
MS3CO_035	Beam Dump Co-Occupancy	12/4/2007	12/4/2007	x
MS3CO_040	Central Utility Plant Co-Occupancy	12/20/2007	12/20/2007	x
MS3CO_020	Near Experimental Hall Co-Occupancy	12/20/2007	12/20/2007	x
MS3CO_025	X-Ray Transport Co-Occupancy	1/7/2008	1/7/2008	x
MS3BO_035	Undulator Facility Beneficial Occupancy	3/20/2008	3/20/2008	x
MS3BO_050	Near Experimental Hall Beneficial Occupancy	3/20/2008	3/20/2008	x
MS3BO_040	Front End Enclosure Beneficial Occupancy	3/20/2008	3/20/2008	x
MSBO_045	Beam Dump Beneficial Occupancy	3/20/2008	3/20/2008	x
MS3BO_065	Central Utility Plant Beneficial Occupancy	3/20/2008	3/20/2008	x
MS3BO_030	Beam Transport Hall Beneficial Occupancy	3/20/2008	3/20/2008	x
MS3CO_030	Far Experimental Hall Co-Occupancy	3/21/2008	3/21/2008	x
MS3BO_070	CEH Building Beneficial Occupancy	4/26/2008	7/16/2009	x
MS3BO_060	Far Experimental Hall Beneficial Occupancy	6/20/2008	6/20/2008	x
MS3BO_055	X-Ray Transport Beneficial Occupancy	6/20/2008	6/20/2008	x
MS3BO_075	B028 Beneficial Occupancy	11/12/2008	5/5/2009	x
MS3BO_080	FEH Hutches Beneficial Occupancy	NEW	7/1/2009	x 6/1/2009 New Date Change date?

		Baseline	CR Proposed	
	X-Ray Endstations (WBS 1.06)			
MS3_XE030	Complete 2-D X-Ray Detector Statement of Work	7/1/2005	5/16/2005A	x
MS3_XE035	Award Initial Funding for 2-D X-Ray Detector	7/15/2005	7/15/2005A	x
MS3_XE110	Hire Atomic Physicist	3/17/2006	1/3/2006A	x
MS3_XE100	Hire Detector Physicist	4/3/2006	1/17/2006A	x
MS3_XE090	Specification for Streak Camera Complete	4/3/2006	5/30/2006A	DELETE
MS3_XE040	LDAC Mid-Project Review (2D Detector)	3/19/2007	11/30/2007	x
MS3_XE020	COMP: AMO PDR Meeting	NEW	8/31/2007	x
	XE Network Design Review Complete	4/27/2007	8/16/2007	DELETE
	XES Timing Controls System Complete	5/30/2007	2/14/2008	DELETE
	XES Cables and Racks Complete	5/30/2007	1/14/2008	DELETE
	XES Laser Control System Complete	7/17/2007	2/14/2008	DELETE
	XE Laser System Final Design Review Complete	8/7/2007	1/4/2008	DELETE
MS3_XE025	Award XES Laser System	10/4/2007	3/20/2008	x
MS3_XE130	FEE/NEH PPS Certified	10/4/2007	2/23/2009	x Desc Chng
MS3_XE150	TUN/FEH PPS Certified	NEW	2/5/2010	x
MS3_XE015	2-D Detector Shipped to SLAC	11/5/2007	2/13/2009	x Desc Chng
MS3_XE050	XE Start Installation in FEH	8/20/2008	8/3/2009	x
	Final Design Review AMO Experimental Control Complete	12/14/2007	2/29/2008	DELETE
	Network Installation Complete	3/6/2008	8/24/2009	DELETE
MS3_XE120	Electron Dump Stoppers Certified	3/25/2008	1/8/2009	x
MS3_XE060	XE Start Installation in NEH	4/16/2008	8/18/2008	x
	AMO Mechanical & Vacuum Installation Complete	5/13/2008	9/15/2008	DELETE
	XES Controls Laser Timing System Complete	5/29/2008	6/27/2008	DELETE
MS3_XE005	First X-Rays into NEH	9/2/2008	6/15/2009	x Desc Chng
MS3_XE080	XES Laser Operating in Near Hall	9/19/2008	11/24/2008	x
	Complete Acceptance Tests for X-Ray Detectors	11/17/2008	4/3/2009	DELETE
MS3_XE065	AMO Ready for Basic Experiments (CD4a)	NEW	1/26/2009	x
	Project Management (WBS 1.01)			
MS3_PM025	Advanced Procurement Management Plan Complete	2/28/2004	2/28/2004A	x
MS3_PM031	Resource Loaded Cost & Schedule (Final) Complete	4/30/2004	4/30/2004A	x
MS3_PM035	1st Monthly Report (with Earned Value) Submitted	4/30/2004	4/30/2004A	x
MS3_PM042	Risk Management Plan Complete	4/30/2004	4/30/2004A	x
MS3_PM045	Prelim Safety Assessment Doc (PSAD) Submitted	4/30/2004	4/30/2004A	x
MS3_PM050	Project Mgmt Control Syst (PMCS) Review Complete	4/30/2004	4/30/2004A	x
MS3_PM055	Project Mgmt Plan Complete	4/30/2004	4/30/2004A	x
MS3_PM000	CRIT: Start Procurement Package - PMCS Support	10/1/2004	10/1/2004A	x
MS3_PM040	Fire Hazard Analysis Review @ SLAC	6/10/2005	7/15/2005A	x
MSBS_115	FY05 Shutdown: HW Req'd for Installation	10/3/2005	10/3/2005A	x
MSBS_120	FY05 Shutdown Over	10/31/2005	10/31/2005A	x
MSBS_125	FY06 Shutdown: HW Req'd for Installation	8/1/2006	8/21/2006A	x
MSBS_130	FY06 Shutdown Over	1/5/2007	3/29/2007A	x
MSBS_135	FY07 Shutdown: HW Req'd for Installation	9/4/2007	9/4/2007	x
MSBS_140	FY07 Shutdown Over	11/30/2007	12/3/2007	x
MS3_PM030	LCLS ARR Complete (BTH thru FEH)	6/12/2008	1/8/2009	x
MSBS_145	Start FY08 Shutdown	9/12/2008	10/1/2008	x
MSBS_150	FY08 Shutdown Over	1/2/2009	11/3/2008	x

In P3 not this list

Add one more