

Milestones

Ref#	Object(s)	Event	~Date	Note
(101)	CSC Electronics	conceptual design review	30-Jun-00	single preliminary review for all CSC electronics
(102)	ROD Prototype	final design review + PRR	01-Jul-03	
(103)	SE Prototype	final design review + PRR	01-Jul-03	
(104)	TM Module 0	final design review + PRR	01-Jan-04	this is the final TM with parallel optics--we may need to wait until parallel optics products mature
(105)	ROD Prototype	in hand	14-Aug-01	
(106)	SE Prototype	in hand	01-Mar-03	only backplane is custom, must wait for final LHC crate mechanical specification
(107)	TM Prototype	in hand	15-May-02	this is the beam test TM (TTM)
(108)	TM Module 0	in hand	02-Oct-03	this is the final TM with parallel optics--we may need to wait until parallel optics products mature
(109)	TMTF	in hand	02-Oct-03	details of this test fixture are TBD (it might not be needed)
(110)	ASMI/ TM/ROD	ASMI/ TM/ROD joint test	26-Jul-02	this test used the TM prototype, not the final TM with parallel optics
(111)	Chamber/ TM/ROD	system integration test	01-May-03	this test will use the TM prototype, not the final TM with parallel optics
(112)	Chamber/ TM/ROD	beam test	01-Aug-03	optional beam test
(113)	GPU	start production	02-Oct-03	this is the earliest reasonable production start date, actual date is probably later
(114)	ROD	start production	02-Oct-03	this is the earliest reasonable production start date, actual date is probably later
(115)	SE	start production	02-Jul-03	two or more backplanes may prove useful ASAP--production backplanes may actually be prototypes
(116)	TM	start production	01-Feb-04	
(117)	GPU	production complete	01-Oct-04	this date is the end of FY04
(118)	ROD	production complete	01-Oct-04	
(119)	SE	production complete	01-Oct-04	
(120)	TM	production complete	01-Oct-04	
(121)	All	start installation	26-Apr-06	start of small wheel installation

(122)	Software	conceptual design review	15-Nov-02	
(123)	Software	preliminary design review	15-Nov-03	
(124)	Software	software ready	01-Mar-04	original software ready date
(125)	Software	final design review	01-Apr-04	

ROD = Readout Driver

TM = Transition Module

TMTF = Transition Module Test Fixture, details TBD

SE = Support Electronics

FDR to be held after testing and necessary design changes, before production.

ROD and SE prototypes are assumed to also function as Module 0's.

Some SE prototypes (backplanes) may function as production units.

The ROD, SE, and TM production runs are small --> no separate first articles.

The GPU production run is ~250 pieces minimum; GPU's will be tested as they are produced --> no separate first articles.

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