

6. Schedule

The schedule proposed is summarized in the table below and elaborated in the accompanying Gantt chart at the end of this section. The third column of the table indicates which milestones will deliver the functionality required for the relevant Performance Verification Milestones that the MROI Project office has identified.

Three Cavendish-based programmers will be available part-time for the tasks associated with this work package, one (JSY) concentrating on the RTC-related elements of the work, another (EBS) focusing on the VME system, and the third (MF) delivering the telemetry analysis GUI. All three are already in-post and have been responsible for the prototype delay-line control software. A timeline assuming a start date of 1 April 2009 is included in the right-most column of the table.

Months after contract start	Milestone	Functionalities & dependencies	Timeline assuming start date of 1 April 2009
½	Requirements review		15 Apr 2009
1	NMT delivers RTC API and documentation	Requires Cambridge access to RTC	1 May 2009
6	Preliminary design review		1 Oct 2009
12	Final design review		1 Apr 2010
15	Release of VME metrology software		1 Jul 2010
17	Factory acceptance tests start		1 Sep 2010
18	Site acceptance tests start	Requires first delay line	1 Oct 2010
20	Release of code and documentation (Release 1)	Suitable to meet needs of PVM3	1 Dec 2010
22	On-sky acceptance tests start	Requires two delay lines	1 Feb 2011
23	Release of code and documentation (Release 2)	Suitable to meet needs of PVM4-PVM13	1 Mar 2011
23	End of contract		31 Mar 2011

The period of performance for the work package is 1 April 2009 through 31 March 2011.

The value award will not exceed \$177,500 of which the University of Cambridge is authorized to spend no more than \$100,000 for the twelve month period ending 31 March 2010.

A Gantt chart is provided on the following page.

Overall work package Gantt chart

(A start date of 1 April 2009 has been assumed)

		Date	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
		Milestone	Req review	RTC docs received					Preliminary Design Review						Final Design Review			VME metrology s/w release		FATs start	SATs start		Software release 1		On-sky tests begin	Software release 2
WBS item	WBS number																									
Management	0																									
	0.1	Requirements review																								
	0.2	Oversight																								
	0.3	FDR travel																								
Trolley software	1																									
	1.1	Test																								
	1.2	Document																								
Shearcam software	2																									
	2.1	Code and Test																								
	2.2	Document																								
VME metrology software	3																									
	3.1	Design																								
	3.2	Critical code																								
	3.3	Code and Test																								
	3.4	Document																								
	3.5	Release VME s/w																								
Workstation software	4																									
	4.1	Code and Test																								
	4.2	Baseline solution s/w																								
	4.3	Document																								
Diagnostic GUI	5																									
	5.1	Code and Test																								
	5.2	Document																								
RTC Interface	6																									
	6.1	Design																								
	6.2	Critical code																								
	6.3	Code and Test																								
	6.4	Document																								
Site Acceptance Tests	7																									
	7.1	Install & test at NMT																								
	7.2	Release 1																								
On-sky Acceptance Tests	8																									
	8.1	Install and test at NMT																								
	8.2	Release 2																								