

SPIRE

SUBJECT: SPIRE Major Milestone List

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SPIRE

Project Document

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Change Record

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Initial Issue for Delta PDR

Glossary

AVM	Avionics Model
BDA	Bolometer Detector Array(s)
BSM	Beam Steering Mirror
CQM	Cryogenic Qualification Model
DM	Development Model
DPU	Digital Processing Unit
DRCU	Detector Readout and Control Unit
EGSE	Electrical Ground Support Equipment
FS	Flight Spare (Model)
MCU	Mechanisms Control Unit
OGSE	Optical Ground Support Equipment
PCAL	Photometer Calibrator
PFM	Proto-Flight Model
QM	Qualification Model
SCAL	Spectrometer Calibrator
SMEC	Spectrometer MECHANISM
SPIRE	Spectral and Photometric Imaging RECEIVER
STM	Structural Thermal Model
TBD	To Be Determined
WE	Warm Electronics
WIH	Warm Interconnect Harness

References

1. INTRODUCTION

This document provides a list of the Major SPIRE milestones. This includes all delivery dates to ESA, all internal review dates and all delivery dates between SPIRE Responsible Organisations.

Once agreed this document will be the controlling document for the SPIRE instrument schedule and will be updated in line with agreed changes to the schedule.

1.1 Applicable Documents

1.2 Reference Documents

Name	Resp.	Date	Status
Detector Array Selection		01/02/00	Complete
Delta PDR		26/06/00	Complete
BSM Simulink Model Delivery to LAM	ATC	11/08/00	
BSM Analogue Board Design Delivery to LAM	ATC	11/08/00	
BSM Prototype2 Delivery to LAM	ATC	13/09/00	
Instrument Interface Review		09/10/00	
WE Detailed Design Review		03/10/00	
BSM Analogue Board Detailed Design Delivery to LAM	ATC	01/01/01	
SMEC, BSM Detailed Design Review		31/01/01	
SMECm Simulator Delivery to SAp	LAM	20/02/01	
Structure, Optics, Cooler Detailed Design Review		19/03/01	
BSM DM2 Deliver to LAM	ATC	30/03/01	
EGSE#1 Delivery to IFSI	TBD	01/06/01	
DRCU Simulator#1 Delivery to IFSI	SO	01/06/01	
MCU EM Delivery to SAp	LAM	21/09/01	
QM1 MCU delivery to SAp	LAM	21/09/01	
CQM PCAL Delivery to ATC	QMW	01/11/01	
CQM Cold Filters Delivery to JPL	QMW	TBD	
STM BDA Delivery to RAL	JPL	01/02/02	
STM Cooler Delivery to RAL	Grenoble	01/02/02	
STM Shutter Delivery to RAL	USK	01/02/02	
STM Spectrometer Calibration Source Delivery to RAL	QMW	01/02/02	
CQM RF Filter Modules Delivery to RAL	JPL	01/02/02	
DRCU Simulator#2 Delivery to RAL	SO	01/02/02	
AVM DPU Delivery to RAL	IFSI	01/02/02	
EGSE#2 Available	RAL	01/02/02	
CQM Mirrors + OGSE Delivery to RAL	LAM	01/03/02	
STM/Alignment Filter, Dichroics and Beamsplitters Delivery to RAL	QMW	01/03/02	
STM/Optical Dummy BSMm Delivery to RAL	ATC	01/03/02	
STM/Optical Dummy SMECm Delivery to RAL	LAM	01/03/02	
STM JFET Modules Delivery to RAL	JPL	01/03/02	
CQM JFET Box Delivery to RAL	MSSL	01/03/02	
CQM BSMm Delivery to LAM	ATC	13/03/02	
EGSE#3 Available	RAL	15/03/02	
FPU Simulator#1 Delivery to RAL	SAp	01/05/02	
QM1 DRCU Delivery to RAL	SAp	01/05/02	
QM1 WIH Delivery to RAL	SAp	01/05/02	
Test Facility Available	RAL	10/05/02	
CQM BDAs Delivery to RAL	JPL	01/06/02	
CQM SCAL Delivery to RAL	QMW	01/06/02	
CQM SMECm Delivery to RAL	LAM	01/06/02	
CQM BSMm Delivery to RAL	ATC	01/06/02	
CQM Cooler Delivery to RAL	Grenoble	01/06/02	
CQM Shutter Delivery to RAL	USK	01/06/02	
CQM Filters Dichroics and Beamsplitters Delivery to RAL	QMW	01/06/02	
CQM JFET Modules Delivered to RAL	JPL	01/06/02	
STM Test Review		05/07/02	
CQM Structure ready for Integration	MSSL	05/07/02	
QM2 MCU Delivery to SAp	LAM	10/07/02	
Delivery of CQM FPU to Cold Vibration Facility	RAL	23/10/02	

Delivery of Cold-Vibrated CQM FPU to RAL	RAL	20/11/02	
FPU Critical Design Review		01/02/03	
EGSE#4 Available	RAL	01/01/03	
CQM Delivery to ESA	RAL	01/04/03	

QM DPU Delivery to RAL	IFSI	01/01/03	
DRCU Simulator#3 to RAL	SO	01/01/03	
QM2 DRCU Delivery to RAL	SAP	20/01/03	
QM2 WIH Delivery to RAL	SAP	20/01/03	
FPU Simulator#2 Delivery to RAL	SAP	20/01/03	
WE Critical Design Review		20/03/03	

AVM Delivery to ESA	RAL	01/04/03	
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PFM MCU Delivery to SAP	LAM	24/06/03	
PFM PCAL Delivery to ATC	QMW	26/06/03	
PFM Cold Filters Delivery to JPL	QMW	TBD	
PFM Mirrors Delivery to RAL	LAM	15/08/03	
PFM BSMm Delivery to LAM	ATC	11/09/03	
PFM Structure Ready for Integration	MSSL	01/09/03	
PFM BDAs Delivery to RAL	JPL	01/11/03	
PFM Filters Dichroics and Beamsplitters Delivery to RAL	QMW	01/11/03	
PFM RF Filter Modules Delivery to RAL	JPL	01/11/03	
PFM SCAL Delivery to RAL	QMW	01/12/03	
PFM SMECm Delivery to RAL	LAM	01/12/03	
PFM BSMm Delivery to RAL	LAM	01/12/03	
PFM Cooler Delivery to RAL	Grenoble	01/12/03	
PFM Shutter Delivery to RAL	USK	01/12/03	
PFM JFET Box Delivery to RAL	MSSL	01/12/03	
PFM JFET Modules Delivered to RAL	JPL	01/12/03	
Delivery of PFM FPU to Cold Vibration Facility	RAL	18/02/04	
PFM DPU Delivery to RAL	IFSI	25/02/04	
Delivery of Cold-Vibrated PFM FPU to RAL	RAL	10/03/04	
PFM DRCU Delivery to RAL	SAP	15/03/04	
PFM WIH Delivery to RAL	SAP	15/03/04	
PFM Delivery to ESA	RAL	01/07/04	

FS MCU Delivery to SAP	LAM	19/08/03	
FS PCAL Delivery to ATC	QMW	17/10/03	
FS BSMm Delivery to LAM	ATC	02/01/04	
Return of CQM from ESA	ESA	29/03/04	
Delivery of QM DPU to IFSI	RAL	01/07/04	
Delivery of QM2 DRCU to SAP	RAL	01/07/04	
FS Cold Filters Delivery to JPL	QMW	TBD	
FS Mirrors Delivery to RAL	LAM	10/11/04	
FS Structure Available for Integration	MSSL	01/11/04	
FS BDAs Delivery to RAL	JPL	10/11/04	
FS Filters Dichroics and Beamsplitters Delivery to RAL	QMW	10/11/04	
FS RF Filter Modules Delivery to RAL	JPL	10/11/04	
FS SCAL Delivery to RAL	QMW	10/11/04	
FS SMECm Delivery to RAL	LAM	10/11/04	
FS BSMm Delivery to RAL	LAM	10/11/04	

FS Cooler Delivery to RAL	Grenoble	10/11/04	
FS Shutter Delivery to RAL	USK	10/11/04	
FS JFET Box Delivery to RAL	MSSL	10/11/04	
FS JFET Modules Delivery to RAL	JPL	10/11/04	
Delivery of FS FPU to Cold Vibration Facility	RAL		
FS DPU Delivery to RAL	IFSI	10/11/04	
Delivery of Cold Vibrated FS FPU to RAL	RAL		
FS DRCU Delivery to RAL	SAP	10/11/04	
FS WIH Delivery to RAL	SAP	10/11/04	
FS Available to ESA	RAL	01/07/05	