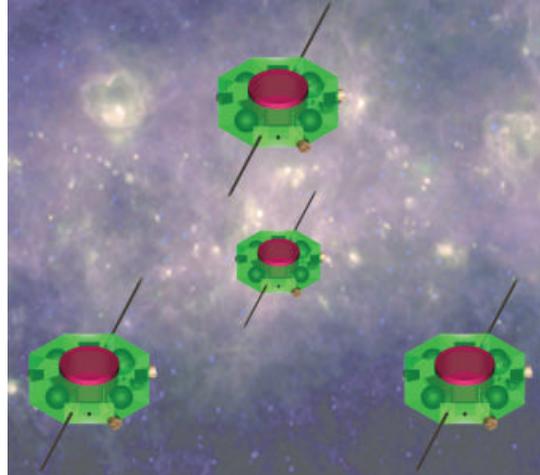


Programmatics

Magnetospheric Multiscale (MMS) Pre-proposal Conference

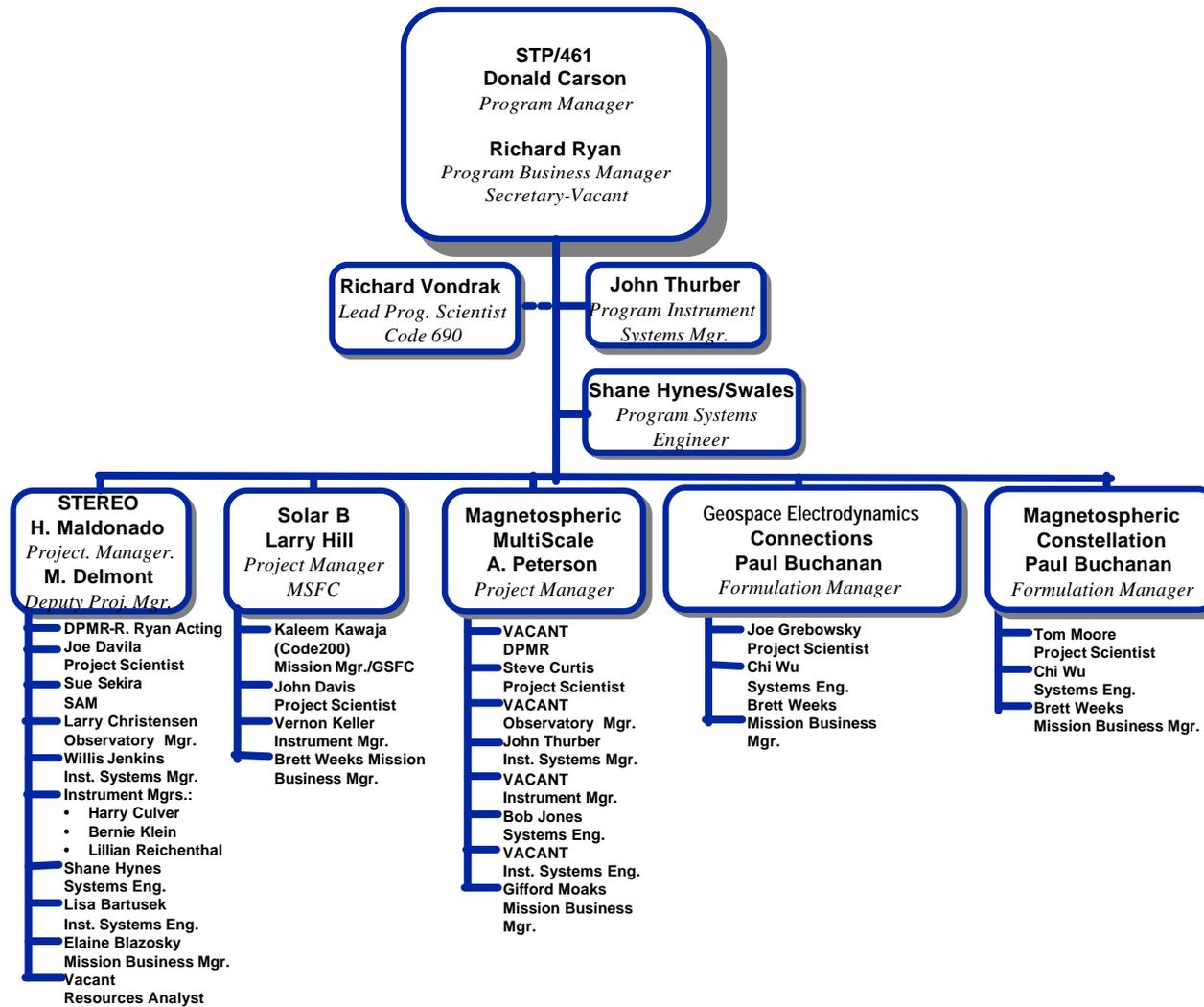


JANUARY 17, 2002

Magnetospheric Multiscale (MMS) Overview

- **NASA GSFC will manage the MMS mission**
 - GSFC will award and manage the ISST instrument contract
 - The MMS ISST must be led by a single Principal Investigator (PI) who is responsible for managing his/her selected investigation and interfacing with the NASA Goddard Space Flight Center (GSFC) MMS Project Office through the Instrument Systems Manager assigned to the investigation and through the GSFC MMS Project Scientist. - MMS AO, Section 5.2.2
 - The Principal Investigator will be expected to support the MMS mission by participating in all scheduled NASA/GSFC/MMS programmatic and technical meetings... - MMS AO, Section 5.2.4
- **Responsibility for Ground System & Mission Operations is TBD.**

STP Organization Chart

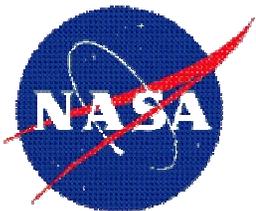


Magnetospheric Multiscale (MMS) Program and Project Management

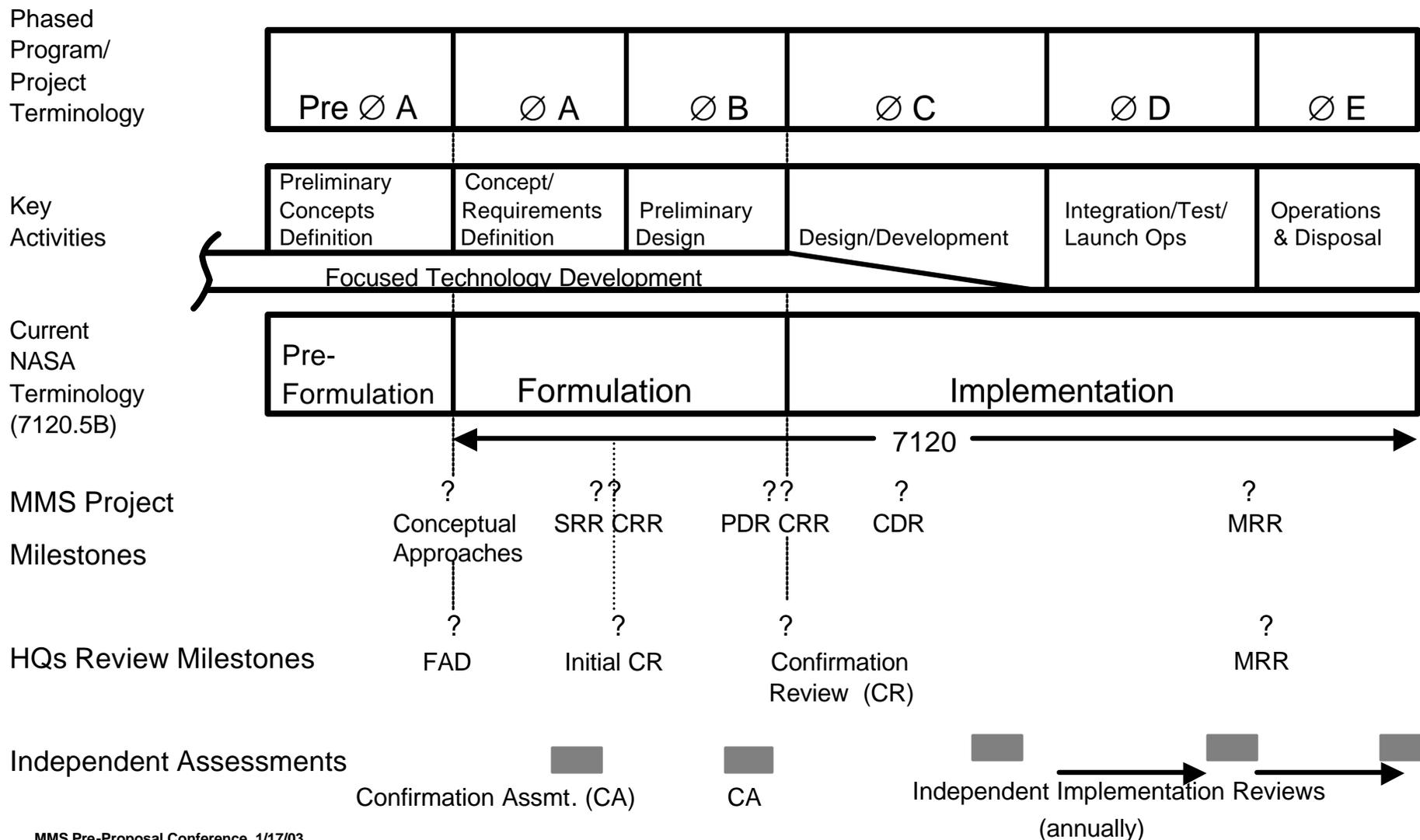
Proposers are encouraged to refer to below references in the MMS Library to better understand NASA Program and Project Management expectations.

- ***NPG 7120 – NASA Program and Project Management Processes and Requirements.*** Provides a reference for typical activities, milestones, and products in the development and execution of NASA missions.
- ***Space Science Enterprise Management Handbook.*** Discusses the confirmation review process for Phase A to B Transition and Phase B to C Transition.
- **NASA mission phases, as defined by NASA Procedures and Guidelines (NPG) 7120.5, are Formulation, Approval, Implementation and Evaluation. The ISST shall support the MMS Project in progressing through these phases.**

- MMS AO, Section 1.4.1



MMS Project Life Cycle



Magnetospheric Multiscale (MMS) Project Formulation Details - Phase A

- **In Phase A, the mission concept is defined & the mission requirements are developed & baselined**
 - Guidelines and criteria for the Phase A Concept Study document can be accessed via MMS Library
- **During the Phase A Study period the GSFC MMS Project Office will act as a resource to the proposer by providing information on the planned spacecraft interfaces, resources, operations, launch vehicle, and ground system.**
 - Guidelines and Criteria for the MMS Phase A Concept Study
- **...the GSFC MMS Project Office will also work with the proposer to conduct trade studies on instrument suite requirements and the planned spacecraft design.**
 - Guidelines and Criteria for the MMS Phase A Concept Study

Magnetospheric Multiscale (MMS) Project Formulation Details - Phase A

- **During the Phase A Study, the GSFC MMS Project Office will develop a report on each proposal which identifies the proposals impact on spacecraft design, operations, and cost.**

- **This report will be turned in with the proposal.**

- **Guidelines and Criteria for the MMS Phase A Concept Study, Introduction**

- **The information in the GSFC report will be shared with the proposer as it is developed during the Phase A study period.**

- **Guidelines and Criteria for the MMS Phase A Concept Study, Introduction**

- **To support these activities the proposer should plan on frequent technical interchanges with GSFC during the Phase A study.**

- **Guidelines and Criteria for the MMS Phase A Concept Study, Introduction**

- **Phase A ends with the announcement of Instrument Suite downselect.**

Magnetospheric Multiscale (MMS) Procurement Overview

- **Upon selection, GSFC will negotiate Phase A study contracts with each PI institution**
- **Each contract resulting from this selection for Phase A studies will contain a priced option for a bridge phase, as well as an advance agreement to add Phases B/C/D/ and E).** - MMS AO Errata, Section 7.3.1
 - **The bridge phase is intended to cover a three month period of Phase B effort to provide program continuity while the Phase B/C/D and E negotiations are completed and these phases are added to the contract.** - MMS AO Errata, Section 7.3.1
 - Bridge phase funding is part of Phase B.
 - Only **one** bridge phase option will be exercised.