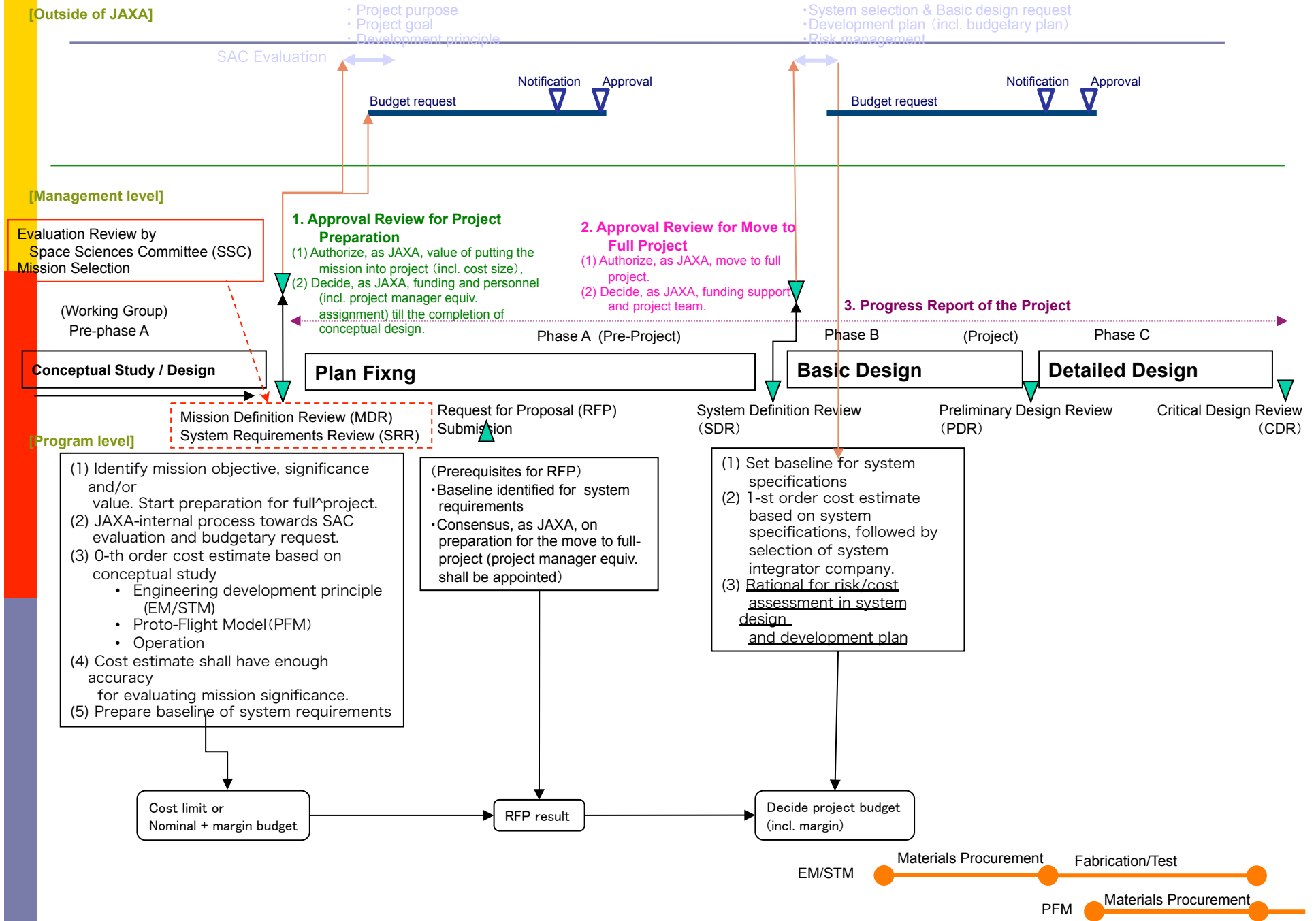


Basic Concept of Project Review (For Small/Middle-Class Science Missions)



Basic Concept of Project Review (For Large-Class Missions)

[Outside of JAXA]

- Project purpose
- Project goal
- Development principle

- System selection & Basic design request
- Development plan (incl. budgetary plan)
- Risk management

SAC Evaluation

Notification Approval

Budget request

Budget request

Notification Approval

[Management level]

1. Approval Review for Project Preparation

- (1) Authorize, as JAXA, value of putting the mission into project (incl. cost size),
- (2) Decide, as JAXA, funding and personnel (incl. project manager equiv. assignment) till the completion of conceptual design.

2. Approval Review for Move to Full Project

- (1) Authorize, as JAXA, move to full project.
- (2) Decide, as JAXA, funding support and project team.

3. Progress Report of the Project

(Working Group)
Pre-phase A

Conceptual Study / Design

Concept Design

Plan Fixing

Basic Design

Detailed Design

Mission Definition Review (MDR)

System Requirements Review (SRR)

System Definition Review (SDR)

Preliminary Design Review (PDR)

Critical Design Review (CDR)

[Program level]

- (1) Identify mission objective, significance and/or value. Start preparation for full project.
- (2) JAXA-internal process towards SAC evaluation and budgetary request.
- (3) 0-th order cost estimate based on conceptual study
 - Engineering development principle (EM/STM)
 - Proto-Flight Model (PFM)
 - Operation
- (4) Cost estimate shall have enough accuracy for evaluating mission significance.
- (5) Prepare baseline of system requirements

- (1) Set baseline for system requirements.
- (2) Difficult to update cost estimate at this stage because system specification is yet to be fixed.

- (1) Set baseline for system specifications
- (2) 1-st order cost estimate based on system specifications, followed by selection of system integrator company.
- (3) Rational for risk/cost assessment in system design and development plan

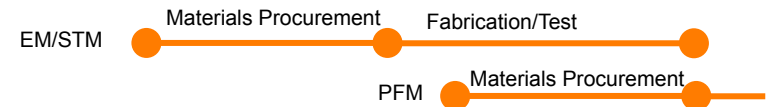
RFP (Prerequisites for RFP)

- Baseline identified for system requirements
- Consensus, as JAXA, made on preparation for the move to full-project (project manager equiv. shall be appointed)

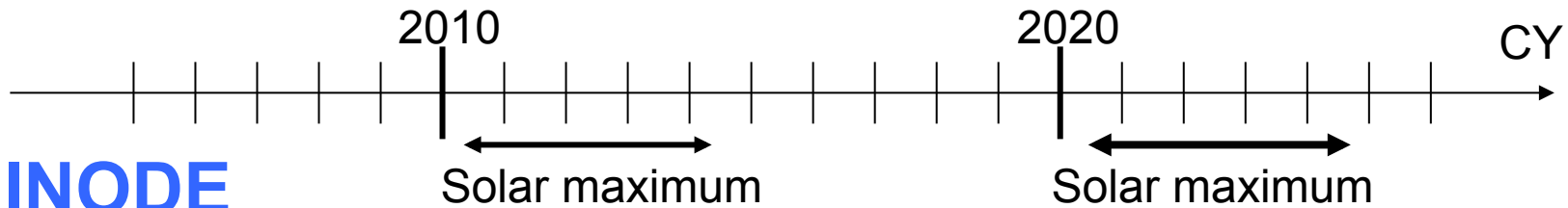
Cost limit or Nominal + margin budget

RFP result

Decide project budget (incl. margin)



Calendar for Years 2009–2020



HINODE

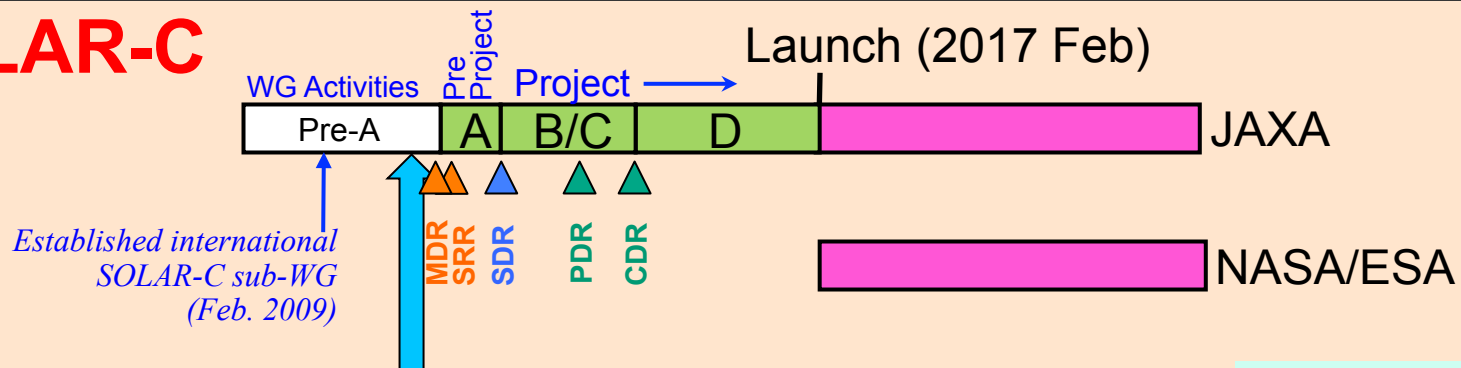
2006 Sep. 23

Phase 1 Initial analysis and discovery

Phase 2 New research development from solar max. observations

Phase 3 New view with cycle-long observations

SOLAR-C



Mission proposal submission to JAXA (autumn 2010)

Pre-A: Pre-Phase-A (WG activities)
 A: Phase-A (R&D)
 B/C: Phase-B/C (PM phase)
 D: Phase-D (FM phase)

MDR: Mission Definition Review
SRR: System Requirements Review
SDR: System Definition Review

International Sounding Rocket Experiment

Kickoff (Nov. 2008)

Launch (summer 2012)