Explorers Program Overview

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2016 Astrophysics Explorers

Pre-Proposal Conference

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Explorers Program Overview (1 of 2)

- NASA's oldest, continuous program
  - Over 100 successful missions since 1958
- Program Objective—Frequent flight opportunities for world-class scientific investigations
- Uncoupled program of missions with unique science capabilities supporting astrophysics and heliophysics science goals

Explorers Program Overview (2 of 2)

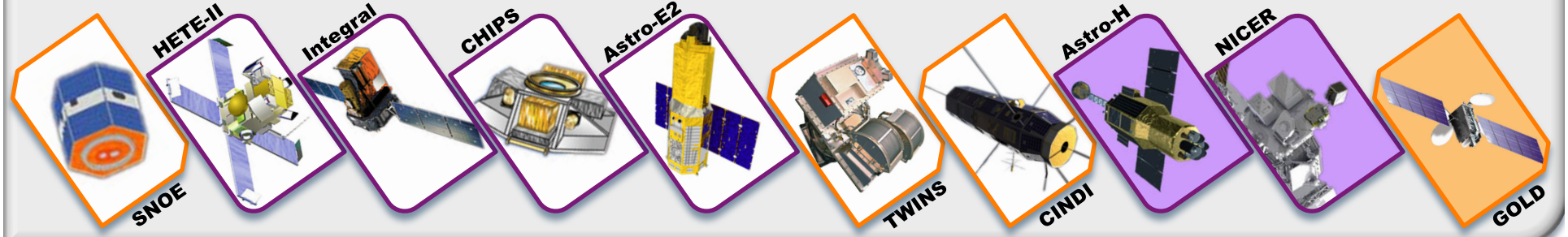
- Mission class characterized by size, schedule, and budget cost caps
  - MIDEX
  - SMEX
  - Mission of Opportunity
- Missions solicited through Announcement of Opportunity
- Missions developed in Principal Investigator mode
- Program Management oversight provided by the Explorers Program Office at GSFC

Explorers Missions

MIDEX

SMEX

UNEX • MO • INTERNATIONALS



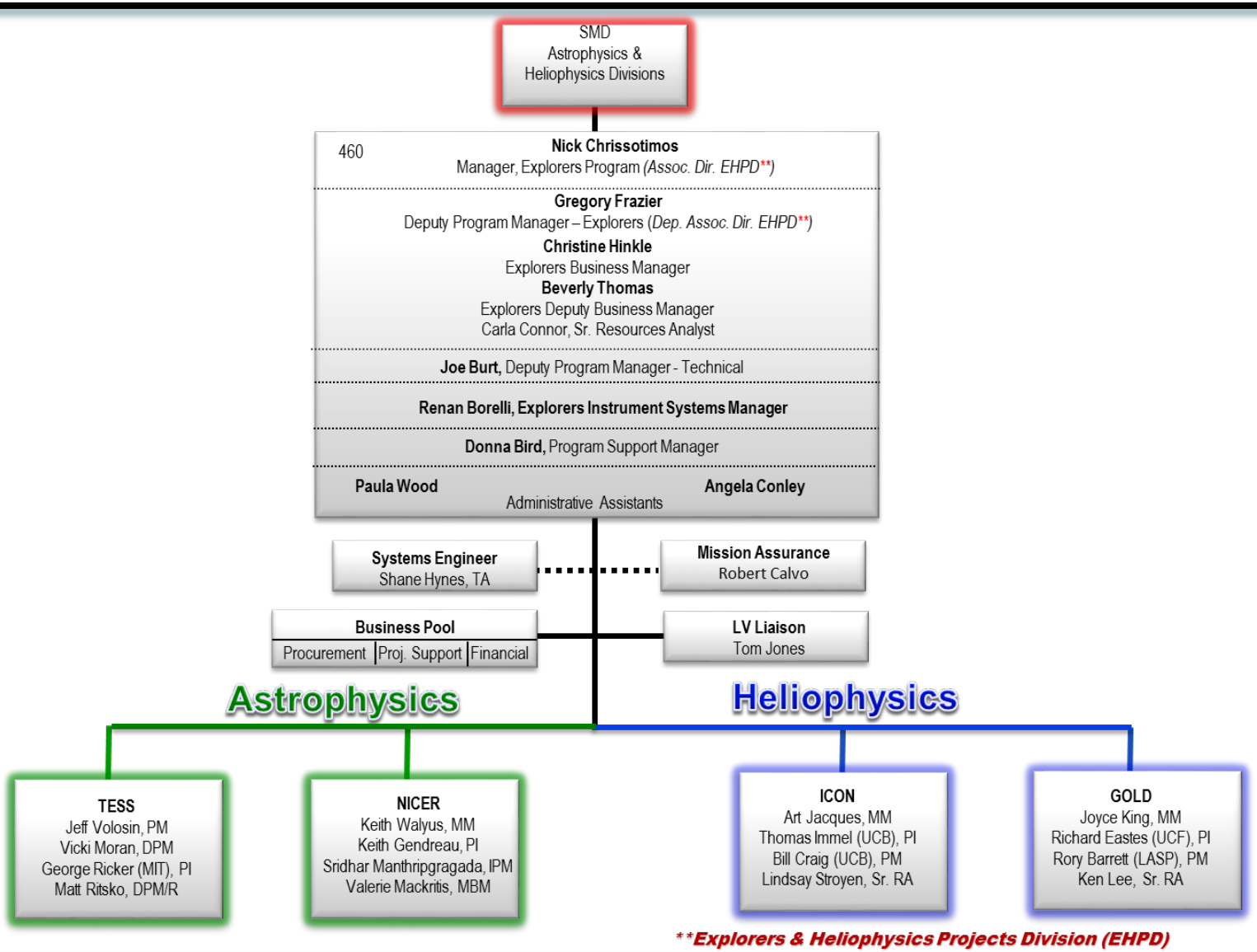
Astrophysics Missions

Current Astrophysics Missions

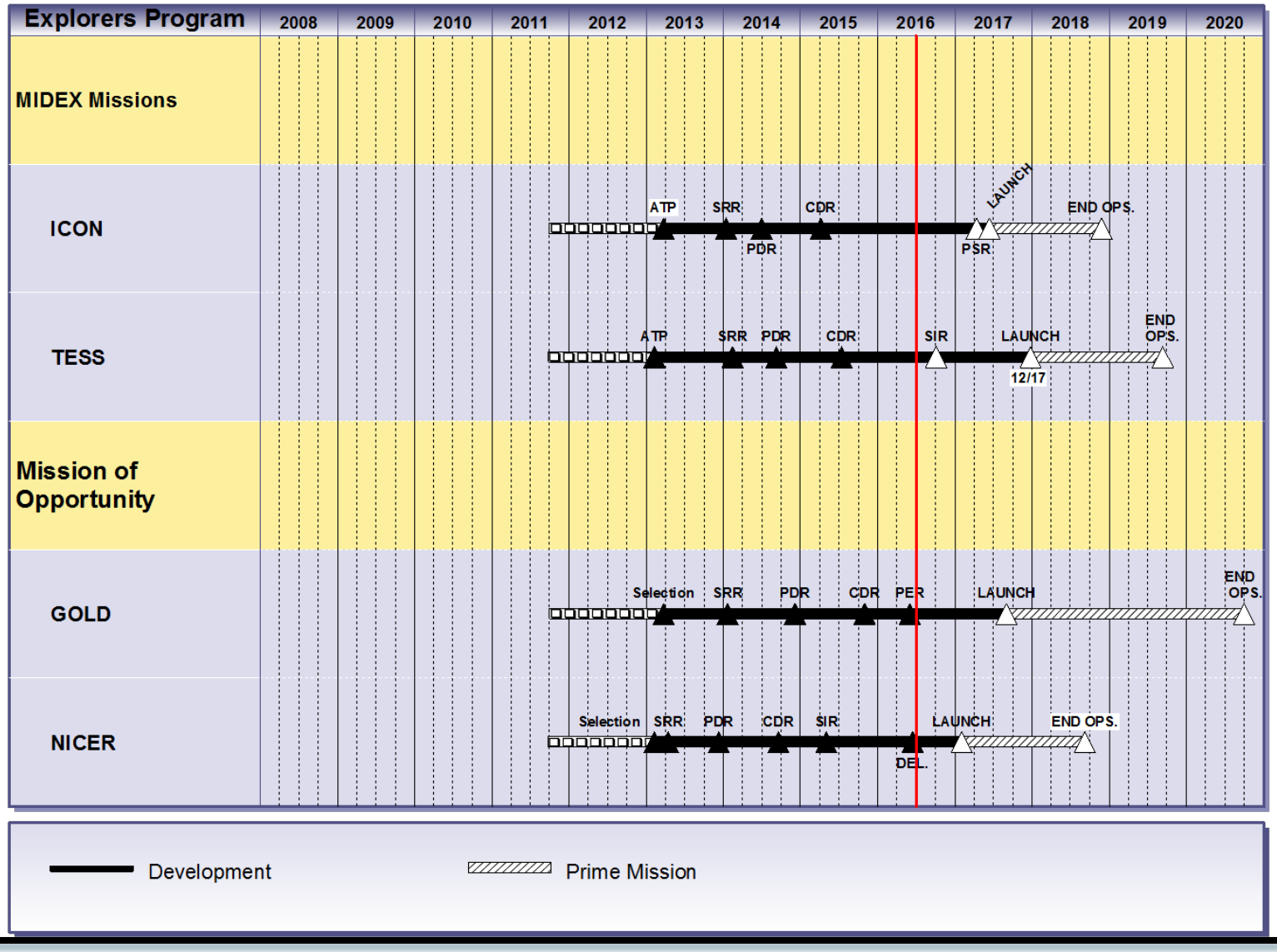
Heliophysics Missions

Current Heliophysics Missions

Explorers Program Organization Chart



Explorers Program Master Schedule



Mission Development Responsibilities

- **NASA responsibility**
  - Program administration
  - Moderate insight/oversight
  - Project review process
  - Technical Authority
  - Launch vehicle procurement
- **PI responsibility**
  - Level-1 science requirements/design concept
  - Mission implementation
  - Technical, cost, and schedule performance
  - Peer reviews
  - Safety and mission assurance
    - › Develop and execute a Mission Assurance Implementation Plan based on Explorers Mission Assurance Requirements.

Additional Information

Explorers Program Website:

http://explorers.gsfc.nasa.gov

Astrophysics Explorers Acquisition Websites:

https://explorers.larc.nasa.gov/APMIDEX2016/MIDEX

http://explorers.larc.nasa.gov/APMIDEX2016/MO