

# **Product System Development and Implementation (PSDI)**

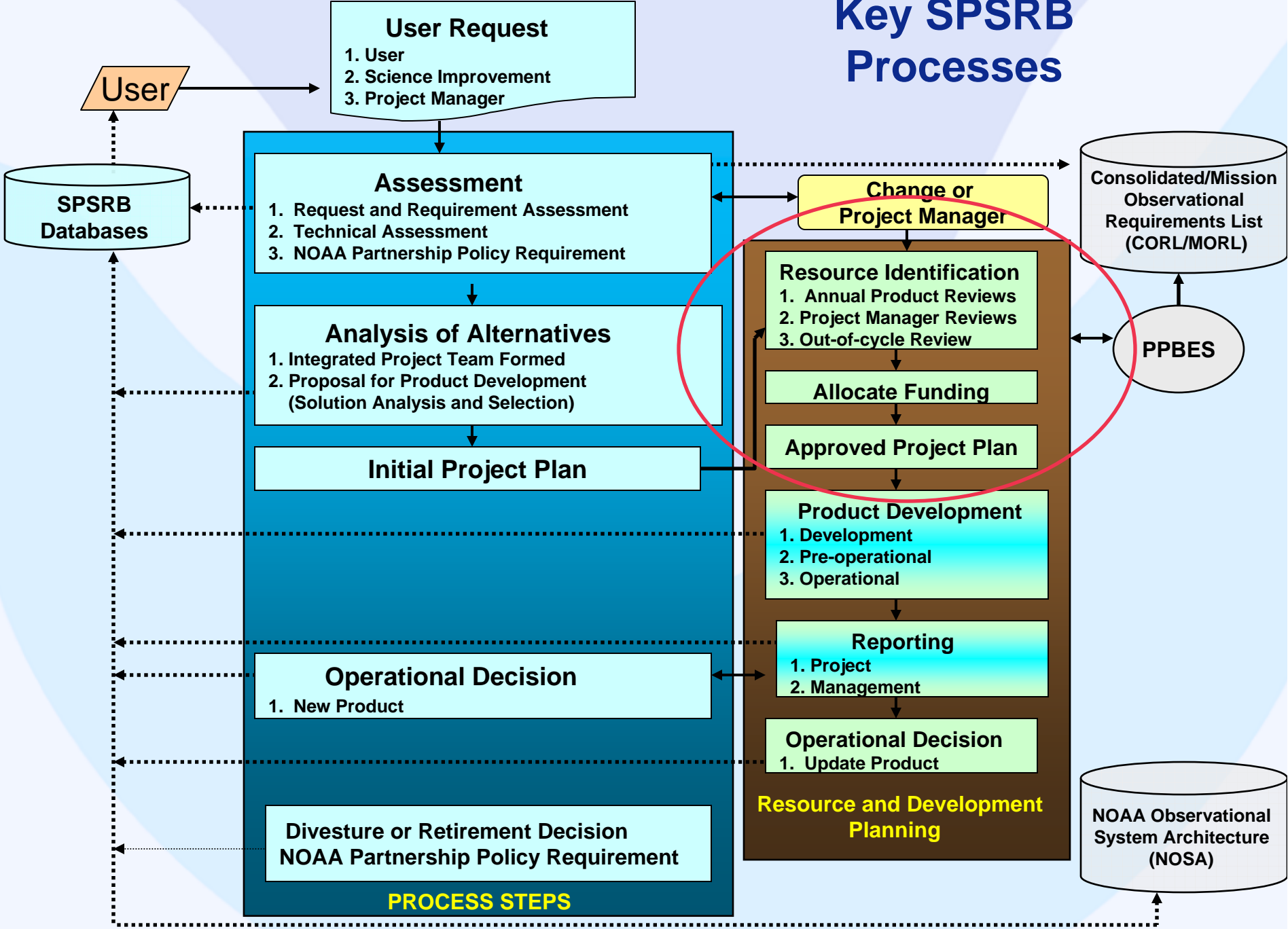
**STAR Satellite Algorithm Test Bed Workshop  
26 Feb 2008**

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Satellite Product Manager**

# Outline

- **Resource Identification Process**
- **NOAA Funding**
- **OSD Product vs Ground System Funding**

# Key SPSRB Processes



# NOAA Funding

- **Operations, Research and Facilities (ORF)**
  - Most federal salaries, research, operations & maintenance, utilities and facility updates, etc.
  - STAR and OSDPD base funding is ORF
- **Procurement, Acquisition and Construction (PAC)**
  - New program acquisition capabilities, construction, etc.
  - OSD funding is mostly PAC

# OSD PAC Product Development vs Ground Systems

- **Product Development**

- Develop and implement new or improved products to meet validated operational user requirements
- Transition from research to operations
- Focus is software development

- **Ground System**

- New or upgraded IT capabilities
- Focus is IT hardware
- Can involve software development if developing a significantly new system capability (e.g., MetOp project)

**PAC funding is not for research, operations or maintenance**

# Example

- **STAR Algorithm Test Bed Project Options**
  - Small IT investment (<50K)
    - Initial capability could be STAR base and/or PSDI funding
    - Long term maintenance would be STAR base
  - Larger IT investment
    - Initial capability could be STAR base, Ground Systems and/or PSDI funding
      - PSDI would focus on software development
      - Gnd Sys would focus on hardware
    - Long term maintenance would be STAR base

# Annual Product Review

- **Project plans briefed using the Satellite Product and Services Review Board (SPSRB) template**  
**([http://projects.osd.noaa.gov/spsrb/proj\\_plan.htm](http://projects.osd.noaa.gov/spsrb/proj_plan.htm))**
  - Complete funding costs
    - STAR and OSDPD research to operations costs (OSD funded)
    - Additional long term STAR science maintenance costs (STAR base)
    - Additional OSDPD long term maintenance costs (OSDPD base)
- **Executive Board**
  - Composed of STAR and OSDPD Deputies, and OSD Project Managers (i.e., people who control the funds)
  - Recommends adjustments in project plans
  - Recommends funding allocations
  - OSD approves PAC funding allocations

# Ground System

- **End of Mar:** all procurement packages due
- **April:** examine unfunded requirements and allocate unused funds
- **May – Jul:** review agency's five year (FY09 – FY13) funding requirements
- **Aug - Sep:** allocate FY09 funding and update five year spend plan

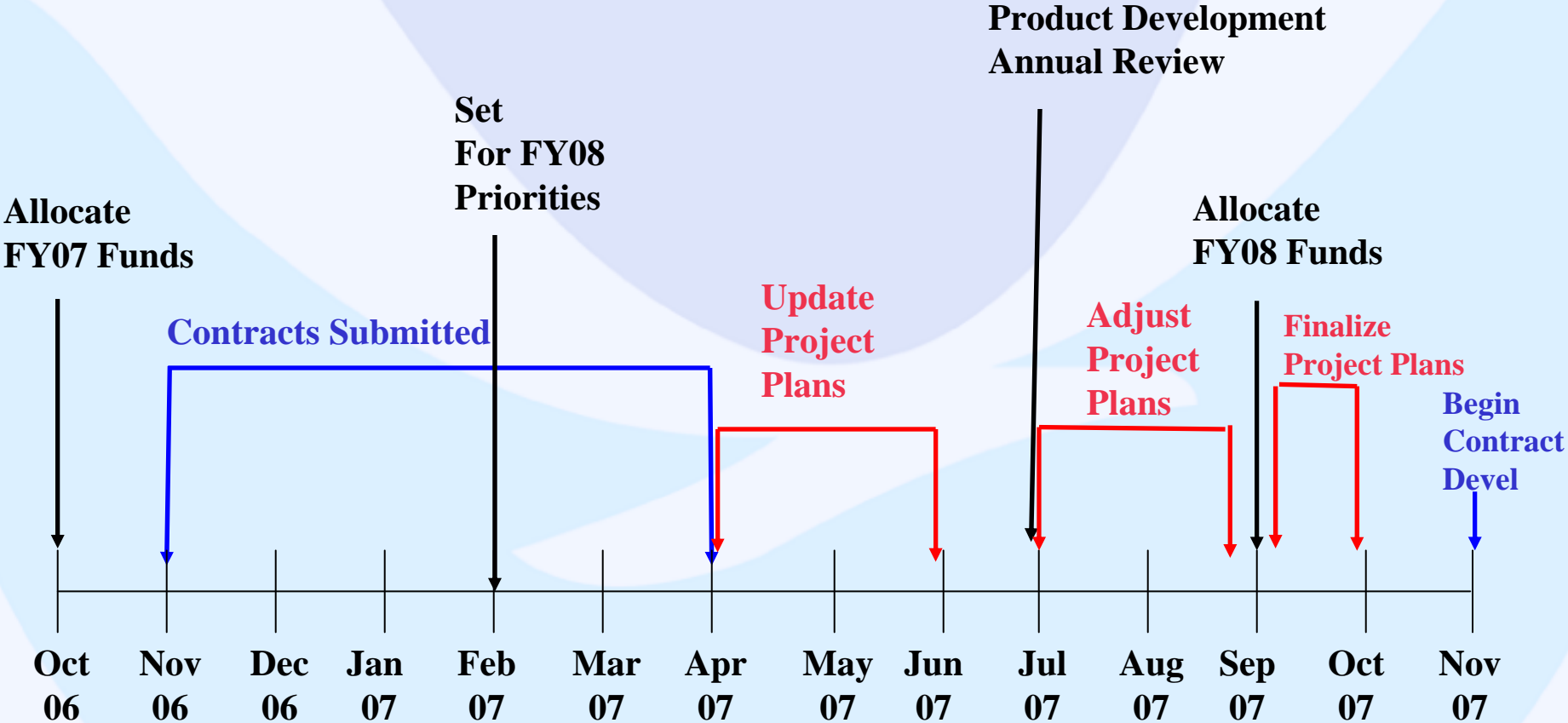


# Questions

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# Backup Slides

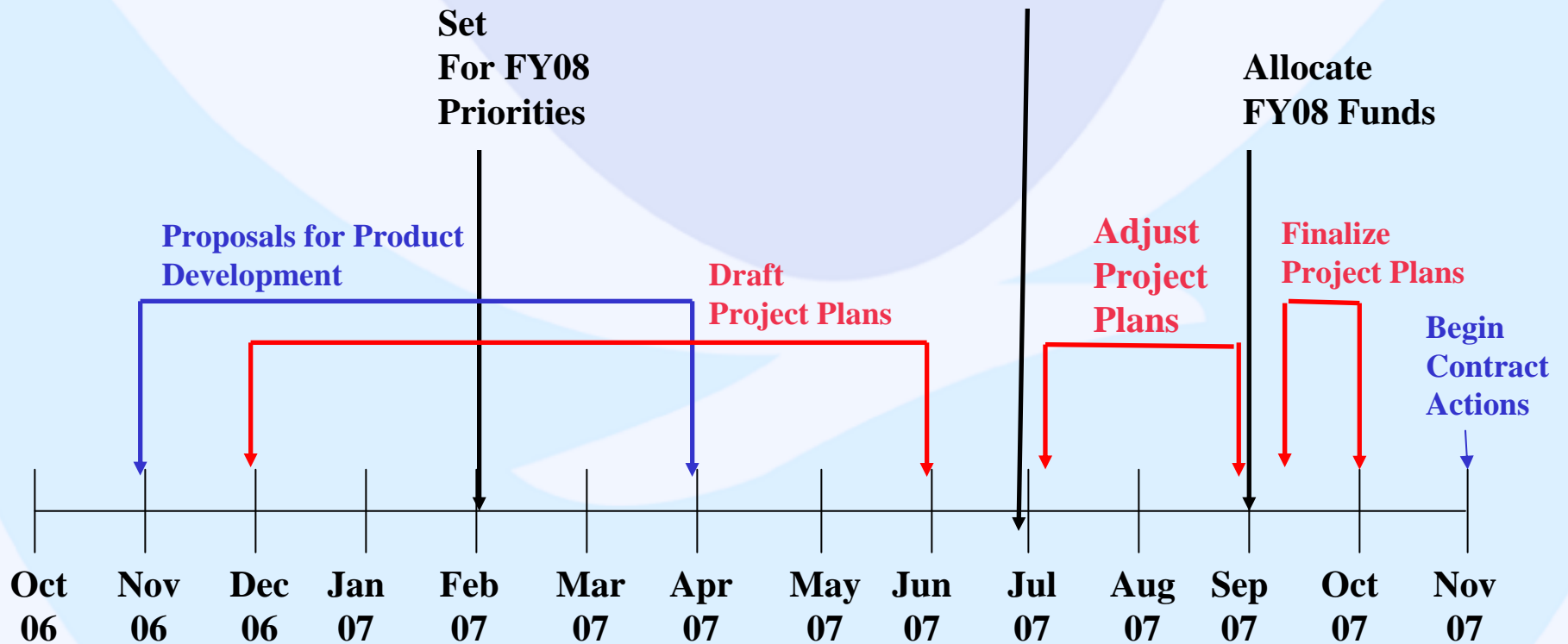
# FY07 and FY08 Product Timelines For Funded Projects



**Management**  
**Project Leads**  
**Project Leads, Management, Contracting Officer**

# FY08 Product Timelines New Starts

## Product Development Annual Review



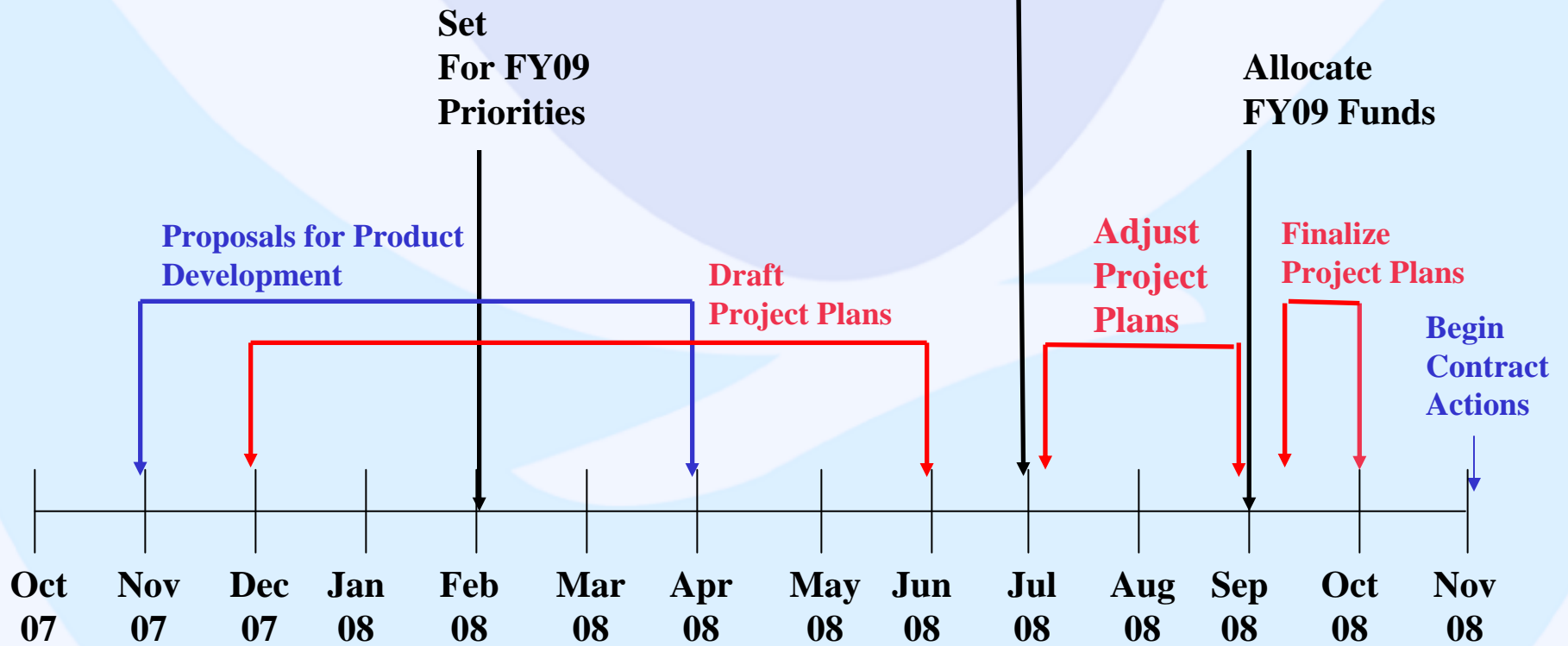
Management

Project Leads

Project Leads, Management, Contracting Officer

# FY09 Product Timelines New Starts

## Product Development Annual Review



Management

Project Leads

Project Leads, Management, Contracting Officer