

# **Satellite Products and Services Review Board**

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Chief, Satellite Services Division**

# **Satellite Products and Services Review Board (SPSRB)**

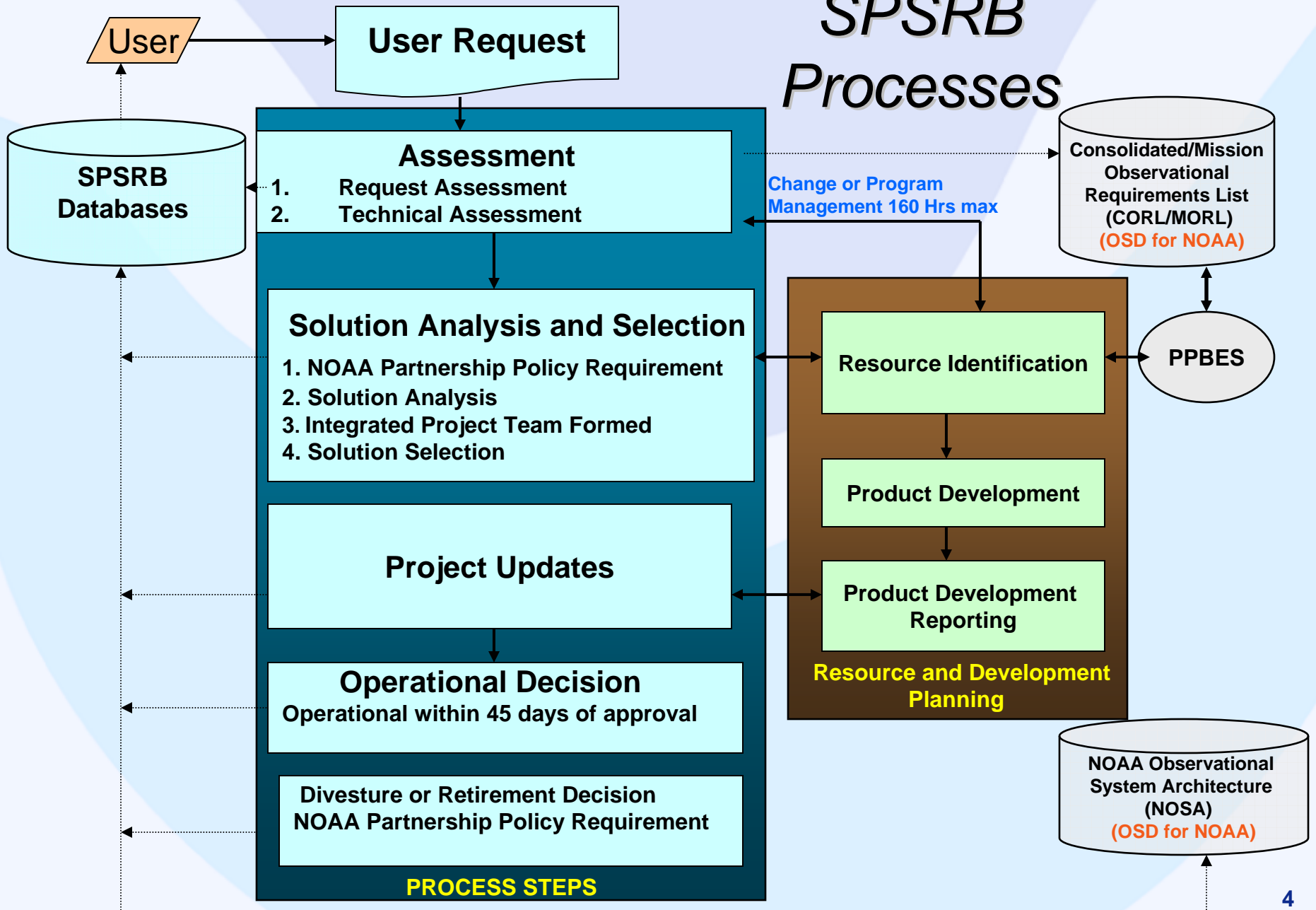
- **Composed of principals from OSDPD, STAR and OSD**
- **Provides oversight and decision authority to effectively manage NOAA's satellite product life cycle process**
  - Addresses user requests to enhance current products or generate new products in line with requirements of NOAA Mission Goals
  - Focuses on the transition of research into operations
  - Manages product development projects
  - Allows for divestiture and retirement of products
- **Provides a powerful evaluation mechanism**
  - Enables a more efficient use of personnel, fiscal and information technology resources
- **Meets monthly (third Wednesday in Room 707 NSC) and moderated by executive secretary**

# Research to Operations

- **Three Distinct Paths**

- **User Request:** Users can identify a need for new or improved observations or products.
- **Mature Science Development:** Scientists can identify maturing scientific development or algorithm thought to provide significant user benefit.
- **NOAA Program/NESDIS Project Manager Directed Project:** NOAA/NESDIS program or project managers can provide requirements to develop new or improved products. These acquisition managers formulate plans to acquire the new products

# Key SPSRB Processes



# Key Tools and Resources

- **SPSRB Web Site**

- <http://projects.osd.noaa.gov/spsrb/>

- SPSRB Process Paper

- [http://projects.osd.noaa.gov/spsrb/spsrb\\_info.htm](http://projects.osd.noaa.gov/spsrb/spsrb_info.htm)

- User Request Tracking

- [https://requesttracker.osd.noaa.gov/admin\\_login.asp](https://requesttracker.osd.noaa.gov/admin_login.asp)

- SPSRB Decision Briefs

- [http://projects.osd.noaa.gov/spsrb/dec\\_briefs.htm](http://projects.osd.noaa.gov/spsrb/dec_briefs.htm)

- Proposal for Product Development; Declaring Product Operational

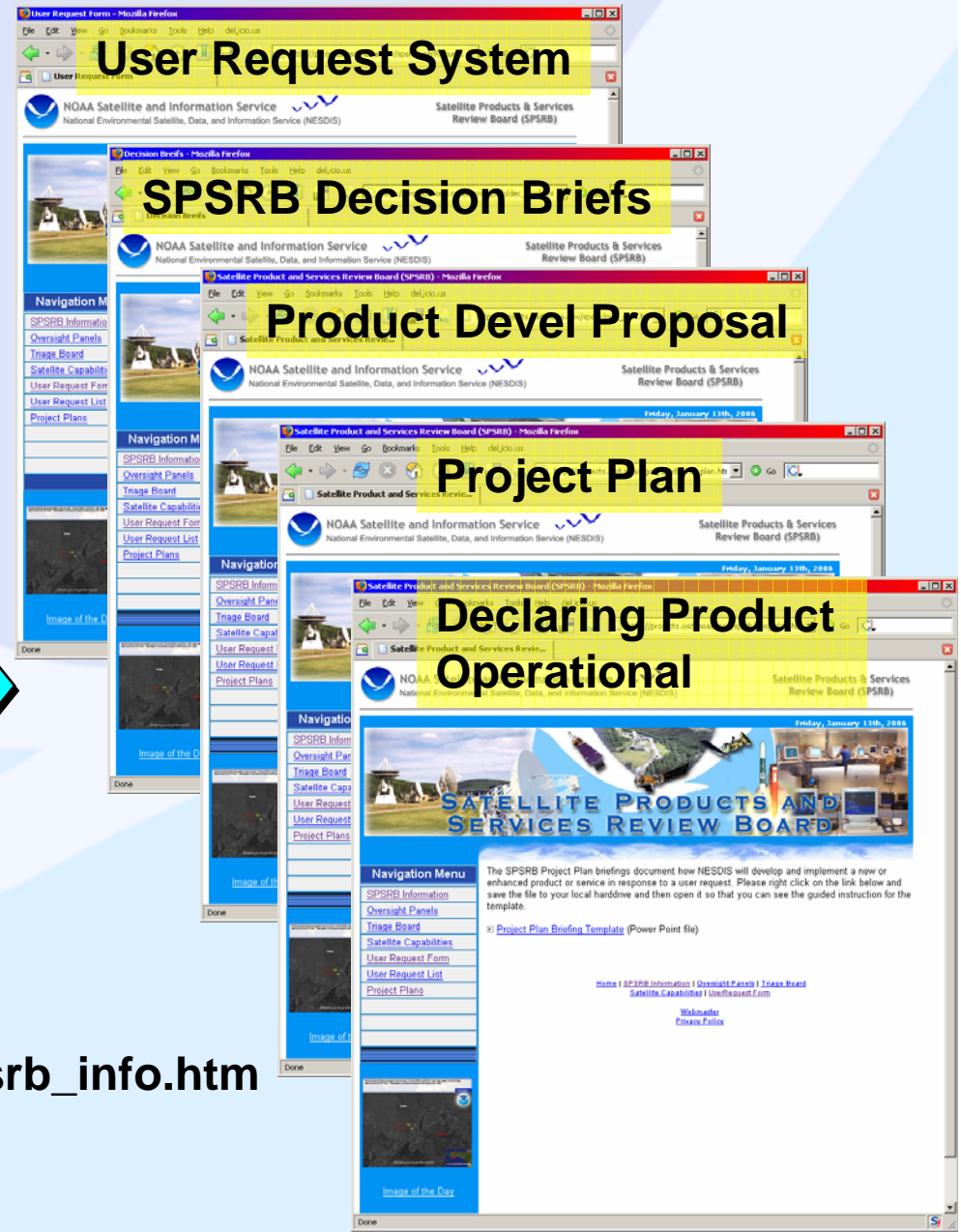
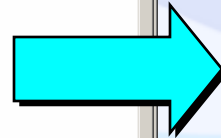
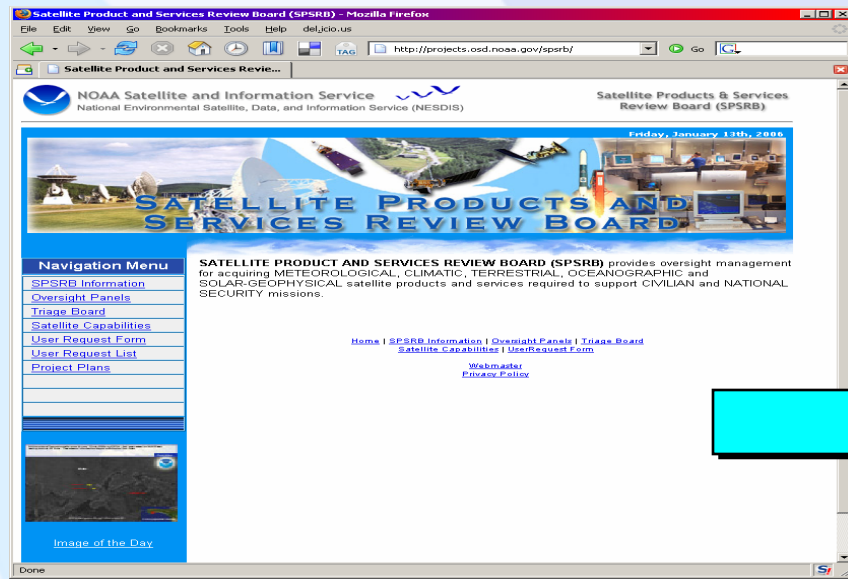
- Project Plan

- [http://projects.osd.noaa.gov/spsrb/proj\\_plan.htm](http://projects.osd.noaa.gov/spsrb/proj_plan.htm)

- **SPSRB Process Improvement Working Group (SPIWG)**  
**SPSRB Executive Secretary**  
**SPSRB Manager**

# SPSRB Web Site

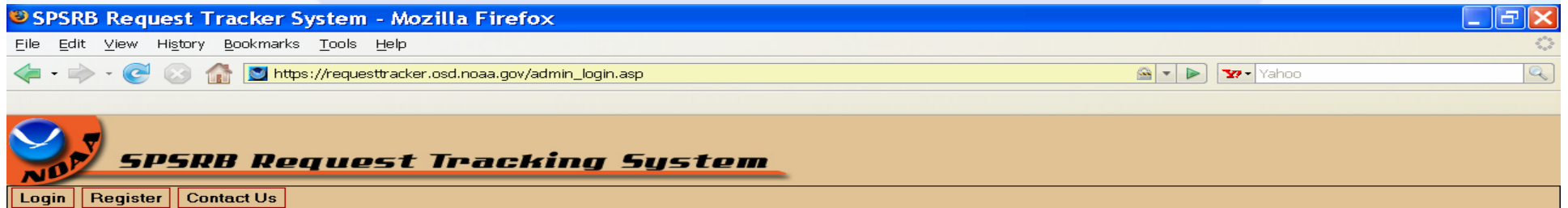
<http://projects.osd.noaa.gov/spsrb/>



## SPSRB Process Paper:

[http://projects.osd.noaa.gov/spsrb/spsrb\\_info.htm](http://projects.osd.noaa.gov/spsrb/spsrb_info.htm)

- **SPSRB Request Tracker Secure Log In**
  - [https://requesttracker.osd.noaa.gov/admin\\_login.asp](https://requesttracker.osd.noaa.gov/admin_login.asp)



To create or track an SPSRB Request please log into your account. If you do not have an account, please use the Register button to register and create an account.



# USER REQUEST

- **Request for Product Development**
  - Submitted on website by government user (.gov or .mil) or user partnered with gov, mil agency (EPA, NOS, NMFS, NWS, AF, Navy)
- **SPSRB Manager is automatically notified**
  - Assesses request for completeness
  - Sends back to user if not complete
  - Validates request against CORL/MORL
  - Initiates technical assessment by three NESDIS offices



# INITIAL TECHNICAL ASSESSMENT

- **Purpose**

- Conduct capabilities assessment and determine if it is technically feasible to satisfy the user request
- Provide NESDIS management the opportunity to determine the optimum way to address the user request

- **Potential outcomes**

- Send back to technical team for more information
- Seek guidance/additional information from NOAA advisory or management bodies
- Validate the user request
- Reject the user request
- Determine potential solutions
  - Change Management - can request be handled in OSDPD using criteria of 160 hours of effort?
  - Proposal for Product Development
    - New start
    - Enhancement

# Solution Analysis and Selection

- **Purpose**
  - Identify viable technical solutions
  - Select/gain approval of the most cost-effective product development solution
  - Implementation of final product that satisfies the operational need
- **Key Processes**
  - NOAA Policy Partnership Requirement
    - satisfies NOAA Mission Goals
  - Integrated Products Team (IPT) Formed
    - assign lead branch
    - include user and Oversight Panel member
    - Resources available from OSDPD, STAR, OSD, OSO
    - Include data center and IT system architecture representative
  - Explore options
  - Develop proposal for product development
  - SPSRB approves product development recommendation and directs a project plan be developed
  - Initiate Resource Identification phase

# Oversight Panel-Co-Chairs

**Atmospheric Chemistry (AC) - (Larry Flynn, Donna McNamara)**

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**Calibration (CAL) - (Changyong Cao /Cecil Paris)**

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**Ocean Color (CLR) - (Michael Ondrusek /Linda Stathoplos)**

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**Earth Radiation Budget (ERB) - (Istvan Laszlo/Hanjun Ding)**

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**Image, Cloud, Aérosol (ICA) - (Dan Lindsey /George Serafino)**

[Dan.Lindsey@noaa.gov](mailto:Dan.Lindsey@noaa.gov) [George.Serafino@noaa.gov](mailto:George.Serafino@noaa.gov)

**Instrument Data base (IDOP) - (Vincent Tabor/Lei Shi)**

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**Navigation (NAV) - (Sam Chen /Emily Harrod)**

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**Ocean (OCN) - (William Pichel/John Sapper)**

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**Precipitation (PRE) - (Bob Kuligowski /Limin Zhao)**

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**Soundings (SOU) - (Chris Barnett/Awdhesh Sharma)**

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**Surface (SUR) - (Jerry Zhan/Matthew Seybold)**

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**Services (SVC) - (Jim Heil/Christopher O'Connors)**

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**Winds (WIN) - (Jaime Daniels/Antonio Irving)**

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# Resource Identification

- **Purpose**

- Identify funding resources for high priority product development projects

- **Key Processes**

- Annual Satellite Product Review (August)
  - primary mechanism to acquire funding for product development (research to operations) projects
  - uses SPSRB project plan on-line template to define how products transition from research to operations
  - Executive Board recommends funding allocations
  - ensure funding for hardware, science quality assurance and long-term maintenance once in operations
- Funded projects are tracked by management through a standard reporting process

# Product Development

- **Purpose**
  - Guide product development through project phases of development, pre-operations and operations
- **Key Processes**
  - Conduct system design reviews to ensure final product application meets requirements
  - Develop and approve Plan of Operations
    - develop Algorithm Theoretical Basis Document (ATBD)
    - adhere to standards for software coding and IT security
    - identify plans for archival, long-term maintenance and quality monitoring
    - identify and adhere to published standards for system documentation and metadata
  - Performance of product development projects are monitored for schedule, cost, and capability
  - End of project development is decision on whether to transition to operations

- Product Development Projects Monitored for Cost, Schedule, Capability and Performance

SPSRB Request Tracker System - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://140.90.233.48/products/admin\_project.asp

NOAA SPSRB Project Database Management System

LogOut My Profile Database Administration Search Reports Feedback Change Rights to User

Welcome Tom Schott  
 Wednesday, February 13, 2008  
 Welcome to the Project Database Managements  
 Release 1.07109.I07312.  
 Please use the Feedback form or email [Michael Naghdi](mailto:Michael.Naghdi) to report any issues or comments.

Update Status

**Project Manager**

Project ID	Last Update	Project Leads	Project Name	product Deliverables	Appr Dev Beg Date	Actual or Projected Dev Beg Date	Appr Pre_op Beg Date	Actual or Projected Pre_op Beg Date	Appr Ops Beg Date	Actual or Projected Ops Beg Date	Cost Status	Schd Status	Capb Status	Perf Status
111	<a href="#">2/13/2008</a>	Bashar.Al-Mallah@noaa.gov	A Tropical Test	A Tropical Test	2/29/2008	N/A	2/27/2009	N/A	2/26/2010	N/A	Green	Green	Green	Green
112	<a href="#">2/13/2008</a>	tom.schott@noaa.gov	A Tropical Test	A Tropical Test	2/29/2008	N/A	2/27/2009	N/A	2/26/2010	N/A	Green	Green	Green	Green
84	<a href="#">2/1/2008</a>	tom.schott@noaa.gov	done	dond	1/7/2008	1/7/2008	1/16/2008	1/16/2008	2/1/2008	2/1/2008	Green	Green	Green	Green
74	<a href="#">1/28/2008</a>	tom.schott@noaa.gov	wind test	more winds	1/28/2008	N/A	1/26/2009	N/A	1/25/2010	N/A	Green	Green	Green	Green
59	<a href="#">1/10/2008</a>	tom.schott@noaa.gov	volcano test	ash detection test	1/31/2008	N/A	1/30/2009	N/A	1/31/2010	N/A	Green	Green	Green	Green

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# Product Retirement

- **Purpose**
  - To retire products no longer deemed of value to the user or cost effective to produce
- **Key Processes**
  - Three categories of events that may result in retirement including: system-driven, user-driven and/or fiscally-driven events
    - System-driven - satellite failure; new satellite instrument; new improved product or new IT system
    - User-driven - annual product revalidation/customer satisfaction; agreed decommissioning or replacement product
    - Fiscally-driven – inadequate funding for production operations; development/implementation funding not realized or refocus of organizational mission
  - User notification and assess impact on users
  - Request user comments, review and seek SPSRB decision
  - Final notification and appeal process if necessary

**Questions?**