

# **Science Data Processing Segment PDR**

## **Introduction**

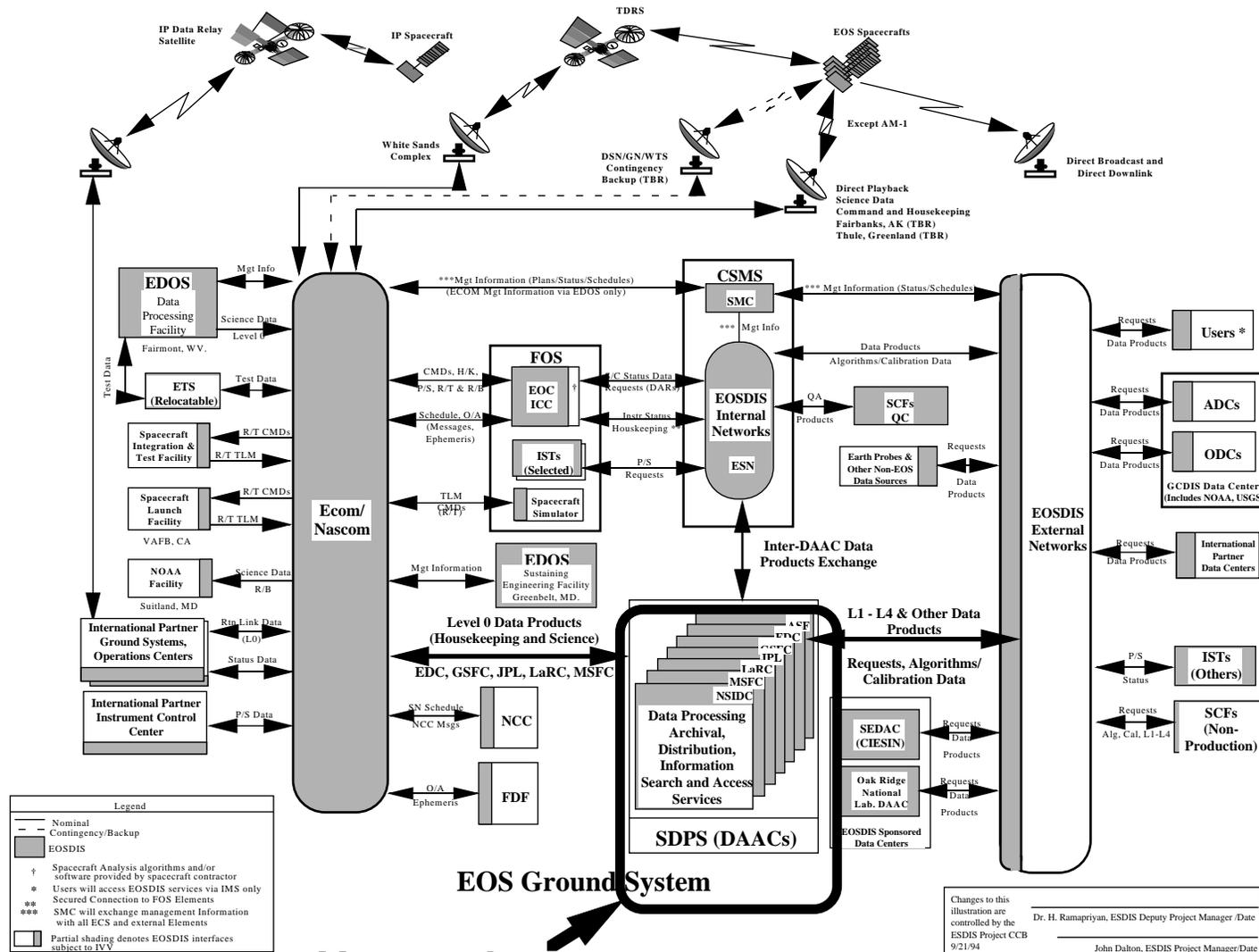
**Marti Szczur**

**Science Data Processing Manager**

**ESDIS Project**

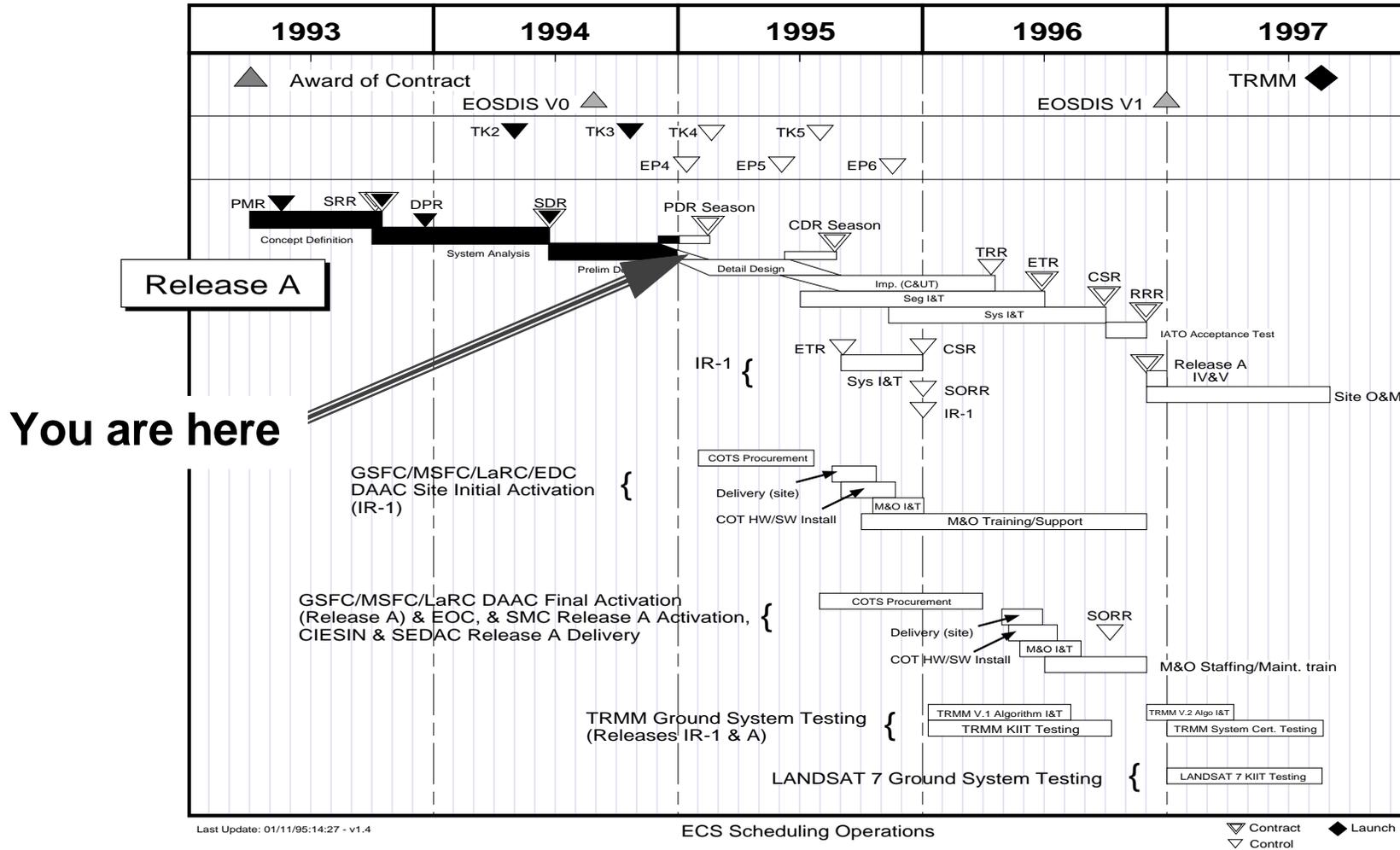
**Nasa Goddard Space Flight Center**

# EOS Ground System

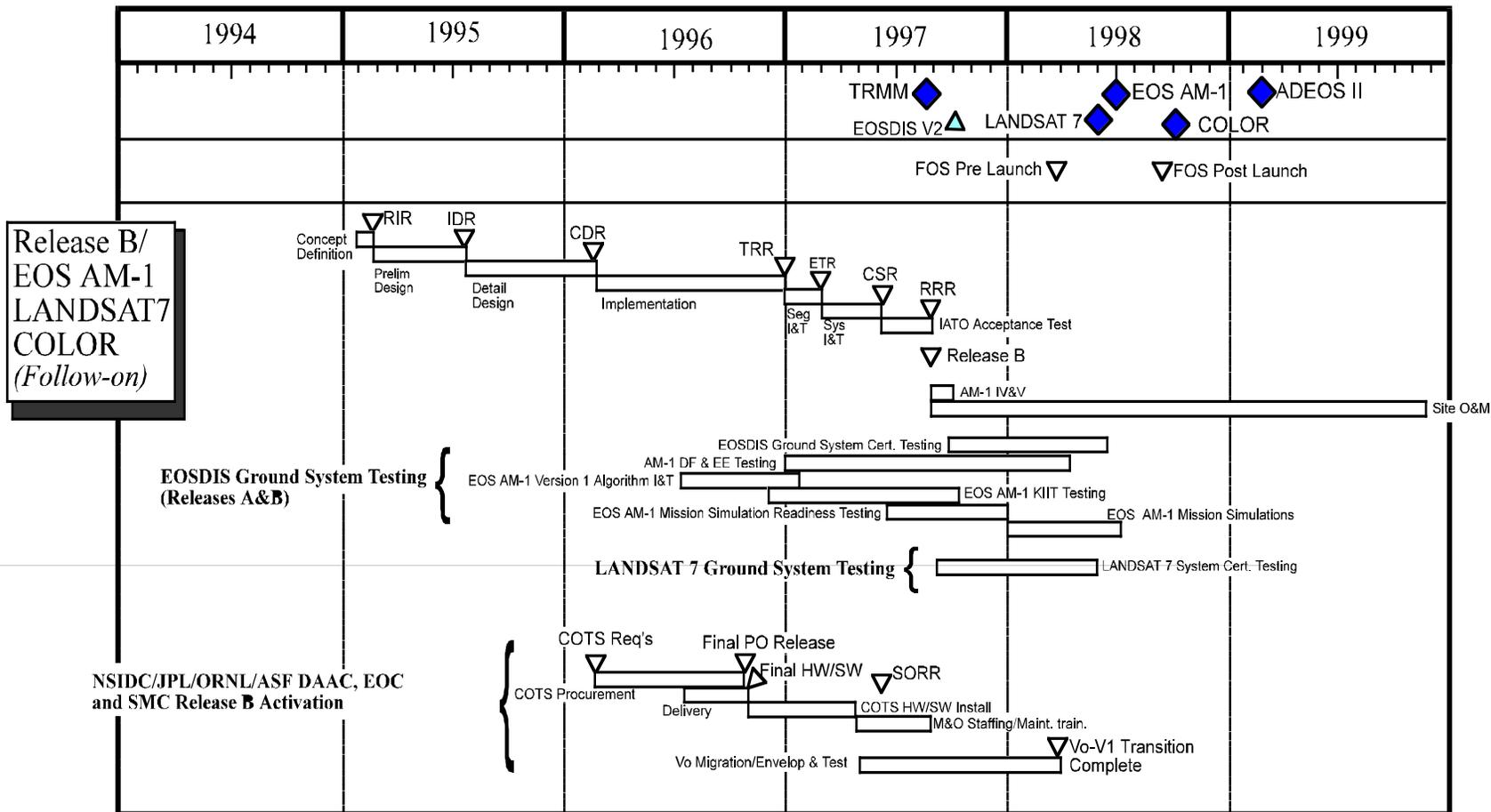


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# Release A Schedule Overview (baselined)



# Release B Schedule Overview (not baselined)



Last Modification: 11/23/94:11:03 - v 3

ECS Scheduling Operations

# **Key External Design-related Activities between SDR and PDR**

- **Independent Architecture Study Review - 9/95**
- **Data Modeling WG Workshops - 8/94, 12/94 and Telecons**
- **Design WG Biweekly Telecons - 7/94-2/95**
- **Level 4 Requirements Review - 12/94**
- **PDPS Toolkit 3 Reviews & Delivery - 10/94**
- **AHWGP Meetings/Telecons**
- **Evaluation Package 3 Analysis & Report, summer, '94**
- **Evaluation Package 4 Reviews & Delivery - 8/94-12/94**
- **V0 Operational Prototype Delivery - 8/94**
- **V0 UVA Tirekickers Workshop - 10/94**
- **NRA/CAN Workshop - 1/95**
- **Closure of all (39) SDPS-related RIDs generated at SDR**

# **Key External Design-related Activities planned between PDR and CDR**

- **Release B Release Initiation Review (RIR) - 3/95**
- **Algorithm I&T Workshop - spring '95**
- **Planning and Scheduling Workshops - summer '95**
- **EP Prototype Workshop1 - spring '95**
- **EP 6 Objectives and Design Reviews - spring, summer '95**
- **Toolkits 4 and 5 Deliveries - 3/95, 7/95**
- **Science Information System Focus Team Meeting (SISFT) - spring '95**
- **Working Group Meetings/Telecons**
  - **AdHoc Data Integration Working Group**
  - **AdHoc Working Group on Production (ADWGP)**
  - **Design Working Group**
  - **Data Modeling Working Group**
  - ***AdHoc Working Group on Consumers***

# **PDR Purpose**

**Determine if SDPS is ready to proceed to detailed design and ready to begin selection/acquisition of COTS hardware and software**

- Present highlights of the preliminary design phase and the supporting engineering activities
- Respond to high priority issues surfaced at the SDPS Level 4 requirements workshop
- Identify specific areas which require or would benefit from additional attention before proceeding into detail design

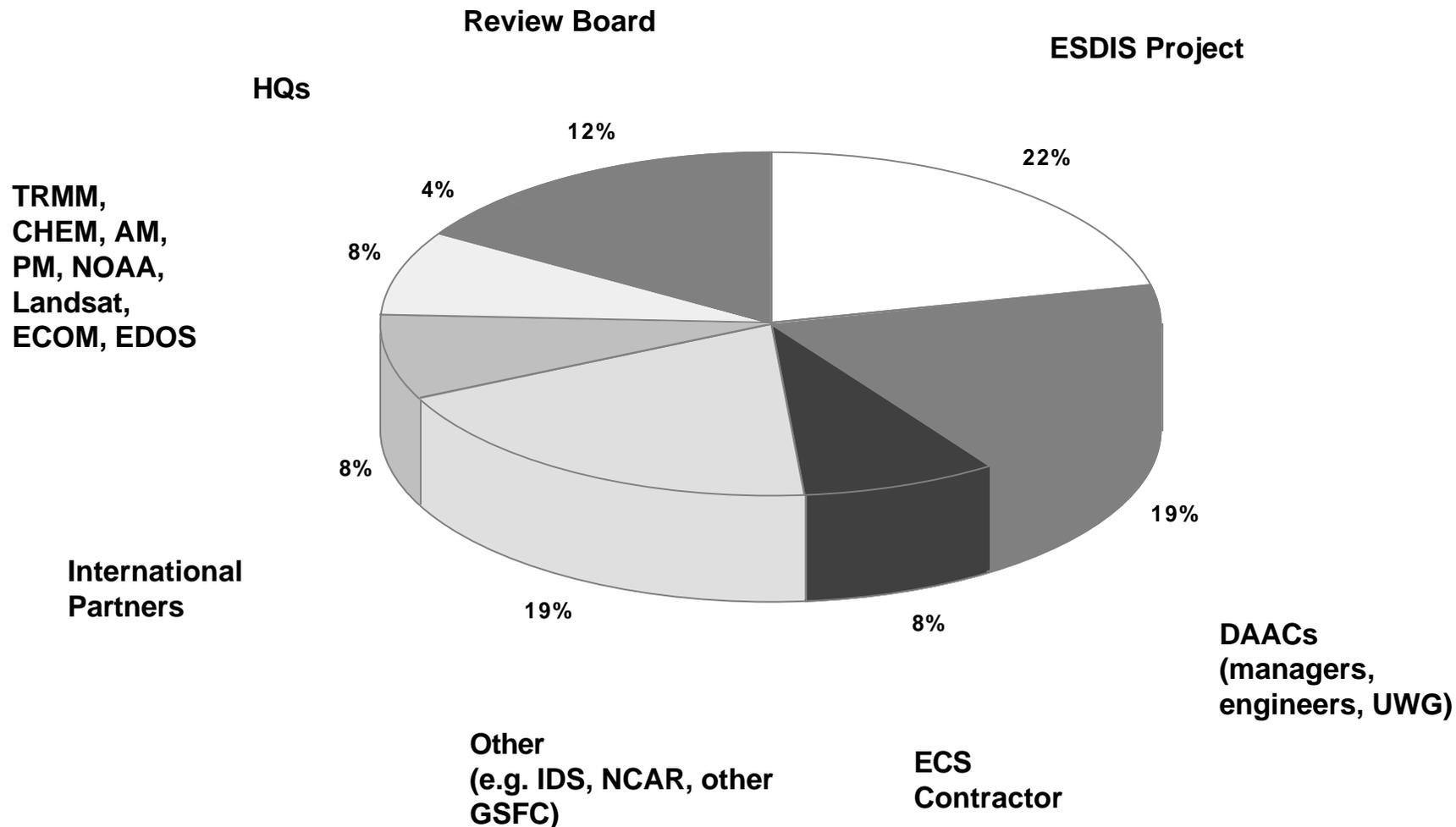
**The PDR is NOT a tutorial on the ECS Science Data Processing System.**

**ECS is a formal, baselined system with baselined requirements. Any issues against the baseline are outside scope of this PDR.**

# SDPS PDR Review Board (20)

<u>PANEL MEMBERS</u>	<u>ESDIS ROLE(s)</u>	<u>DAAC/Center Association</u>
Bill Mack, Co-chair	Office of Flight Assurance	GSFC
Moshe Priel, Co-chair	ASTER IT, AHWGP, DWG	JPL
Bruce Barkstrom	CERES PI, EOS Advisory Panel, AHWGP, DWG, IWG	LaRC
Graham Bothwell	MISR IT, AHWGP	LaRC
Chris Daly	ECS System Engineer	GSFC
Phil Davis	Independent, Earth Science Directorate	GSFC/ Code 900
Bill Emery	EOS Advisory Panel, DWG, Tirekicker	GSFC/UWG
David Glover	EOS Advisory Panel, Tirekicker, IWG	JPL/UWG
Chris Harris	DAAC, M&O	LaRC
Greg Hunolt	ECS DAAC Systems/Science Ops Manager	GSFC
Cathy LaPenta	DAAC Manager, M&O	MSFC
Chris Lynnes	DAAC Engineer, DWG, M&O	GSFC
Ed Masuoka	MODIS IT, AHWGP	GSFC
Jim Milligan	Independent, HST Project	GSFC
Lyn Oleson	DAAC Manager, M&O	EDC
Nancy Palm	Independent, Earth Science Directorate	GSFC/Code 931
Skip Reber	GSFC's MTPE Project Scientist	GSFC
Ricky Rood	DAO PI, EOS Advisory Panel, IWG	GSFC
Kevin Schaeffer	HQ's MTPE/SDPS Project Manager, DWG	NASA/HQ
John Wolfgang	Independent, Engineering Directorate	GSFC

# PDR Attendee Composition



# **Review Process and “Guidelines”**

- **Hold questions until end of presentation sections - in many cases, your question will be addressed in a subsequent slide**
- **Board will capture issues - to keep the Review moving, in-depth dialogues will be deferred, after initial discussion.**
- **Anyone can write a RID against PDR slides - preferable to submit RID via a Board Member**
- **Comments on documents are welcome. RID forms can be used and comments will be used to improve final versions of formal documents.**
- **End of each day - Board meets for wrap-up and issue review**
- **Friday morning (closed session) - Board will analyze, prioritize issues, resolve where possible, assign actions and responsibilities**
- **Friday afternoon - Board will present issues to NASA and HAIS management**

***Sorry, no scheduled breaks due to aggressive agenda. Break on “as needed” basis.***

# **RID Process**

- **RIDs may be generated during PDR by audience or Board**
  - **Board will assign priority and responsibility to “Issue” RIDs**
  - **RID team will assign priority and responsibility to “presentation” RIDS**
  - **Comments on documentation will be logged and utilized during final preparation of documentation. RID team may elevate a comment(s) to an Issue RID.**
- **Week ending 2/24:**
  - **All RIDs against presentations are due.**
  - **All comments on PDR documents are due.**
  - **Submission via email is preferable, FAX okay.**
  - **All Issue RIDs and RIDs against presentations will be entered by RID team into Master RID Database**
- **February 28: ECS PDR Wrap-up**
  - **Synopsis of Priority 1 RIDs and workoff schedule**
- **Week ending 3/22: Final documents delivered and initial RID responses due from HAIS**

# **Additional Help...where, how, what**

***Fill-in-the-blank* forms are available to collect questions about...**

- In what documents (and where in the documents) will I find details/further information about

\_\_\_\_\_ ?

- How will SDPS handle the following scenario

\_\_\_\_\_ ?

- I have another question .....

\_\_\_\_\_ ?