



# GOES-R Ground Segment Project Update

**Vanessa Griffin**

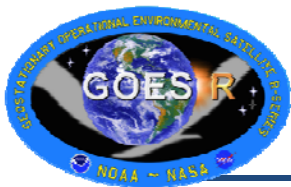
Project Manager, GOES-R Ground Segment Project

American Meteorological Society Annual Meeting

Atlanta, Georgia

January 20, 2010

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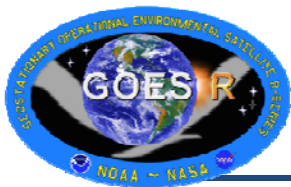


# GOES-R Ground Segment Objectives

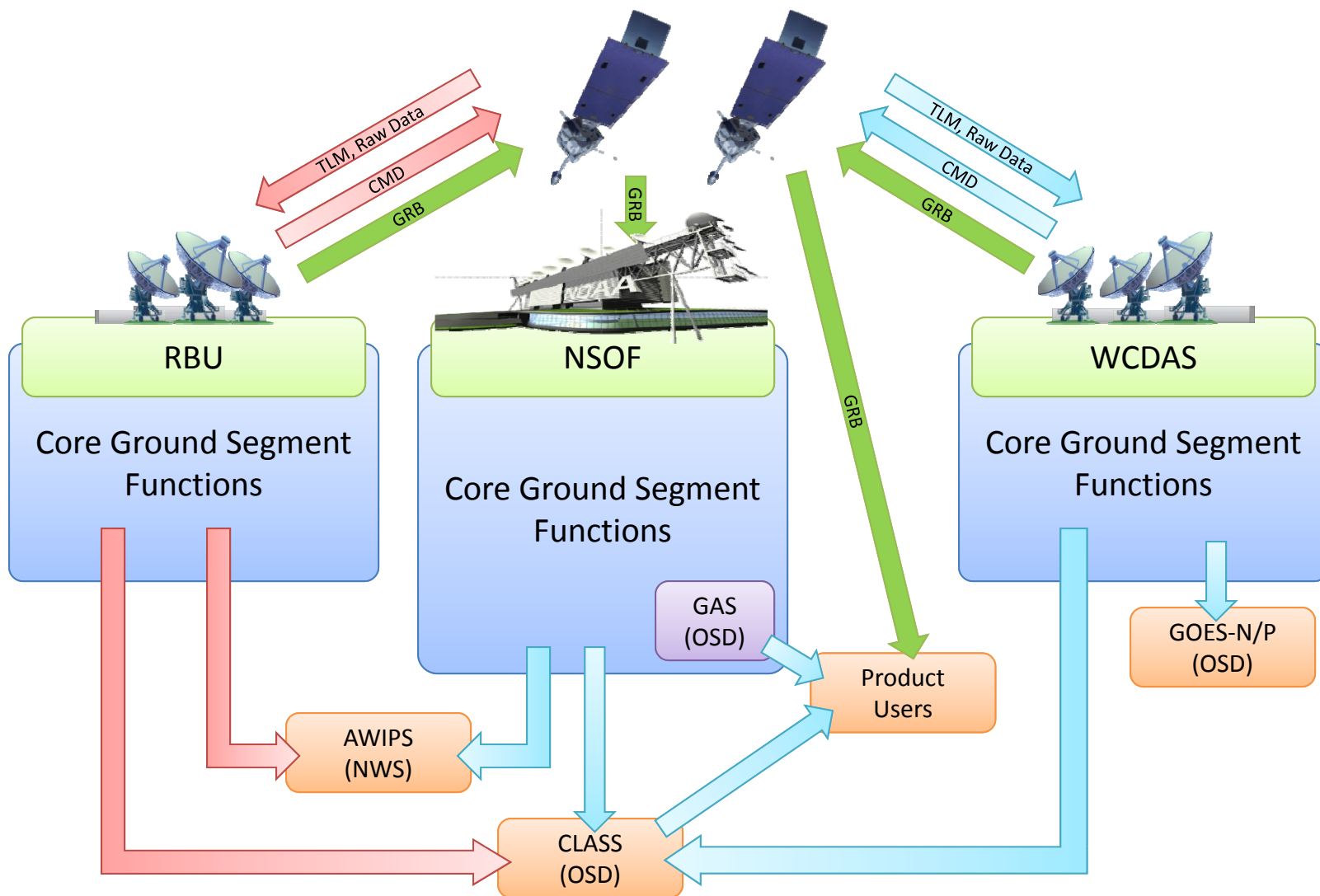
- Support the primary mission operations goals to launch and operate the spacecraft
- Design, develop, integrate and test the Ground Segment minimizing the GOES-R overall program costs
- Minimize the impact to existing users during the transition to GOES-R



- Provide cost-effective sustainment and maintenance once transitioned to Government operations
- Provide cost-effective and timely solutions to meet evolving Ground Segment requirements
  - Open standards
  - Modular, scalable, flexible system design
  - Industry standard system and software engineering practices
- Maintain compatibility with existing and enhanced versions of NOAA institutional systems required to support the GOES-R spacecraft

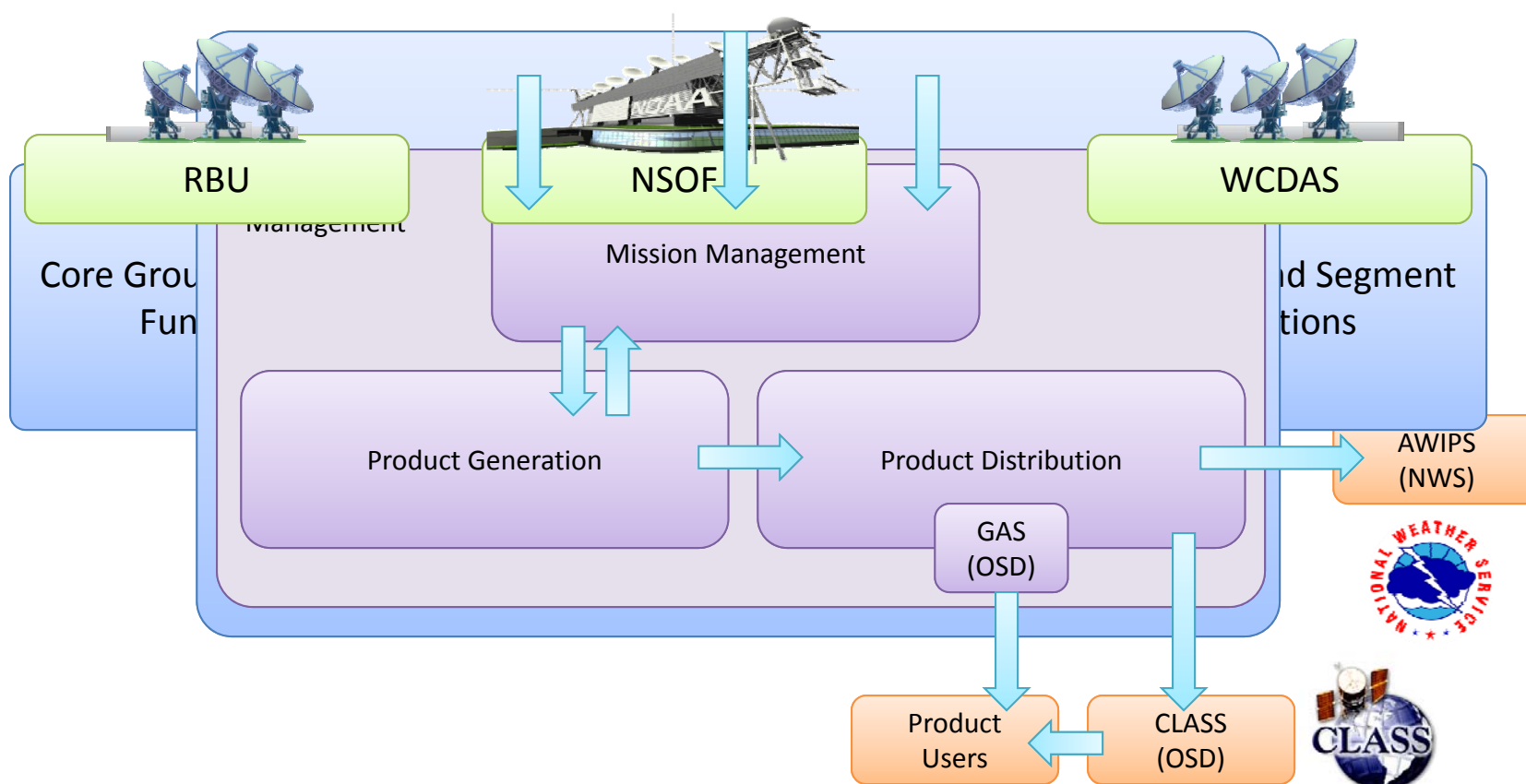


# Notional Functional Overview



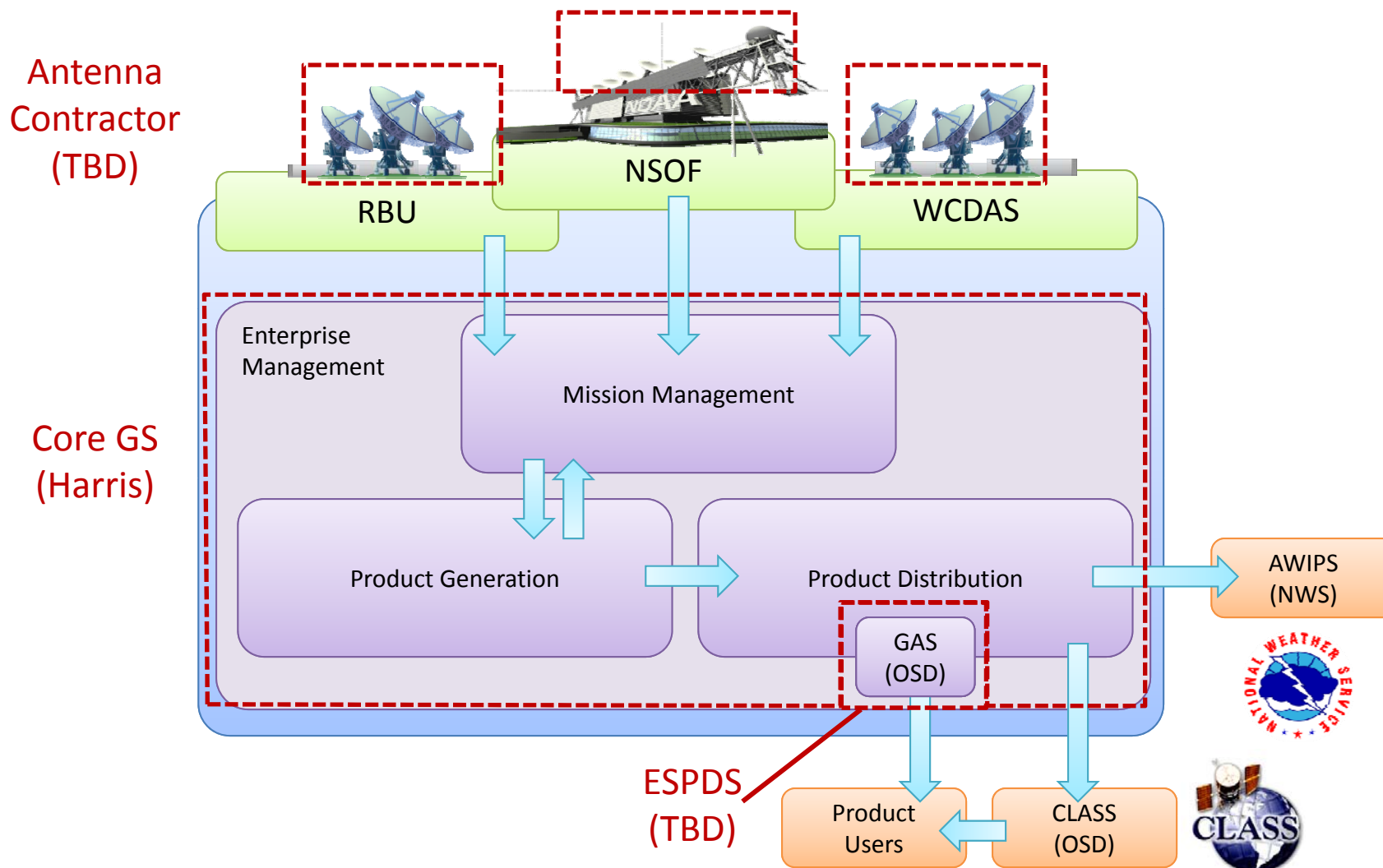


# Core Ground Segment Functions





# Ground Segment Contracts





# Core GS Contractor: Harris Corporation

- Government Communications Systems Division (GCSD), Melbourne, FL
  - Awarded May 27, 2009
  - 10-year, \$736M (with options) cost plus award fee contract
  - Does not include life-cycle operations and maintenance costs occurring after May, 2019
  - Optional priced CLINs: Improved latency and refresh rates (Option 1) and additional Level 2+ Products (Option 2)



- Subcontractors



Harris IT Services (HITS)



Boeing Mission Operations



Honeywell Technology Solutions Inc.



Atmospheric and Environmental  
Research Inc. (AER)



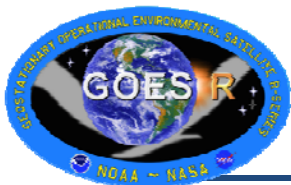
Applied Research and  
Engineering Sciences (ARES)



Carr Astronautics



Wyle Information  
Systems LLC



# Core GS Execution Status

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- GOES-R and Harris have established a collaborative and effective working environment
- Harris facility near GOES-R Program office opens next month



Recent technical reviews:

- **System Requirements Review (SRR):** Joint Harris/Government SRR passed with green rating (October 2009).
- **Integrated Baseline Review (IBR):** Government review of Harris concluded proper integration of planned cost and schedule into the contract baseline (November 2009).



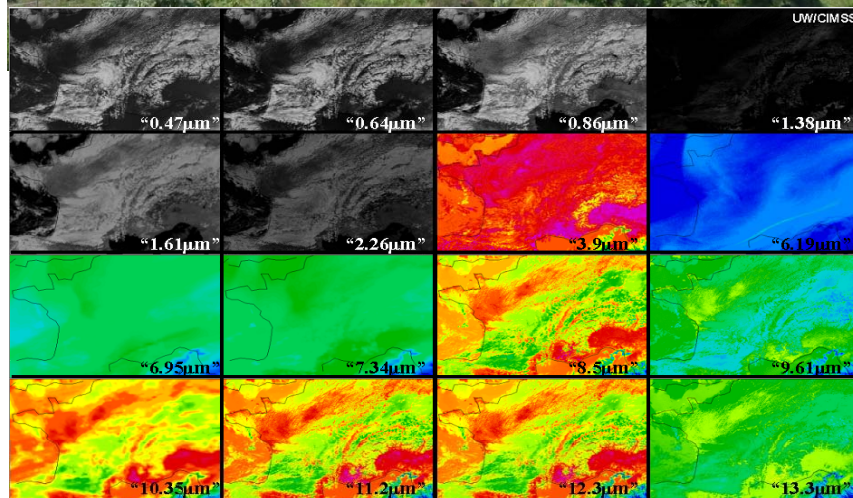
# Affiliated Development Status

## Remote Backup

- Lease signed
- Site preparation to begin June 2010



Fairmont, WV



## Antenna System:

- Source selection in progress
- Contract award June 2010



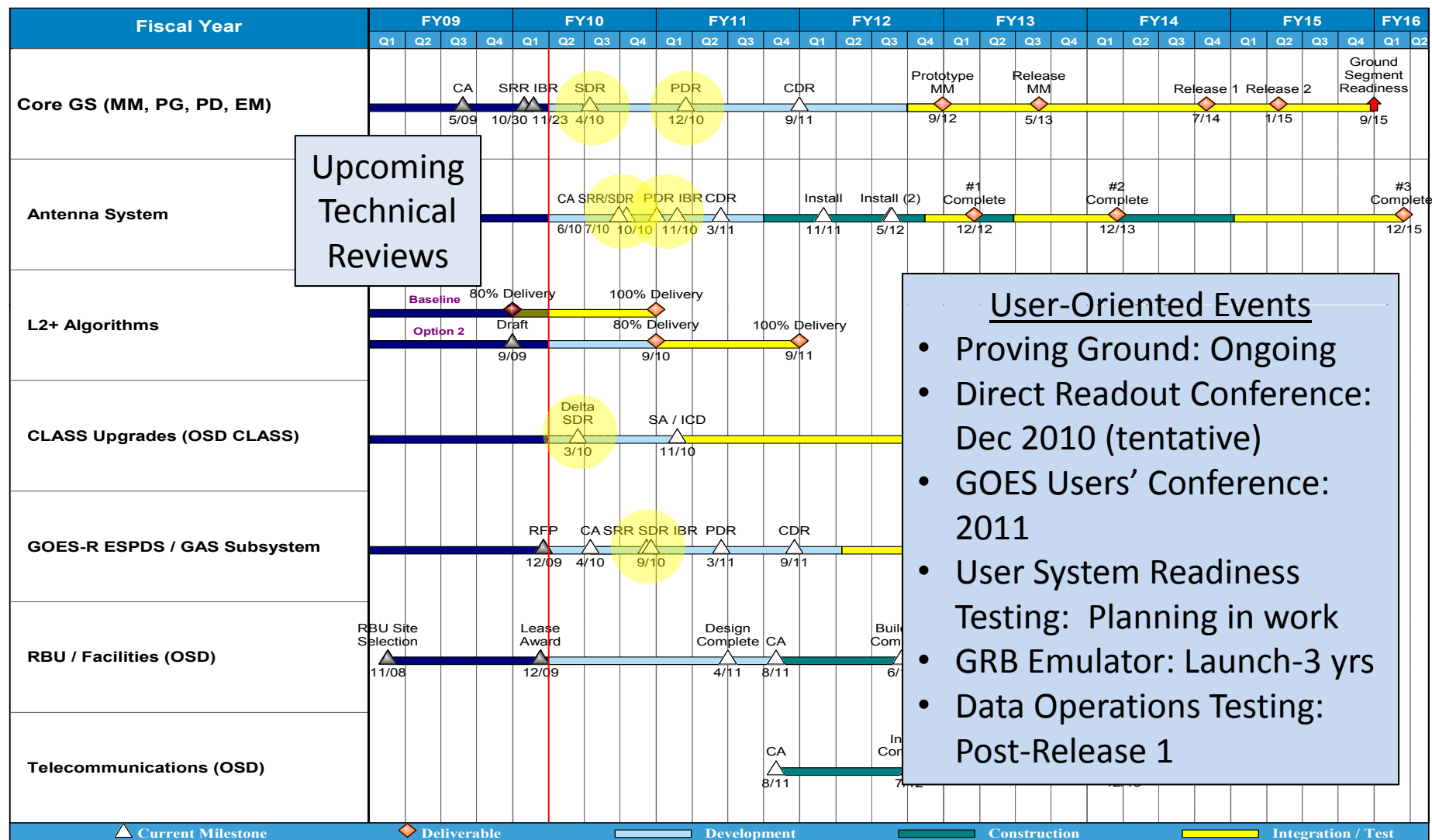
Wallops, VA

## ESPDS/GAS

- RFP released
- Proposals due 2/1
- Contract award June 2010



# Project Schedule





## Questions?

Answers to questions submitted at the GOES  
Users' Conference will be posted online soon at  
[www.goes-r.gov](http://www.goes-r.gov)

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