



NATIONAL INSTITUTE FOR ROCKET PROPULSION SYSTEMS

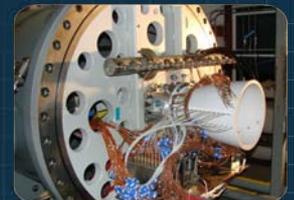
## Cross Cutting Integration Team

Joint Army Navy NASA Air Force 8<sup>th</sup> Modeling and Simulation/6<sup>th</sup> Liquid Propulsion/5<sup>th</sup> Spacecraft Propulsion  
Joint Subcommittee Meeting

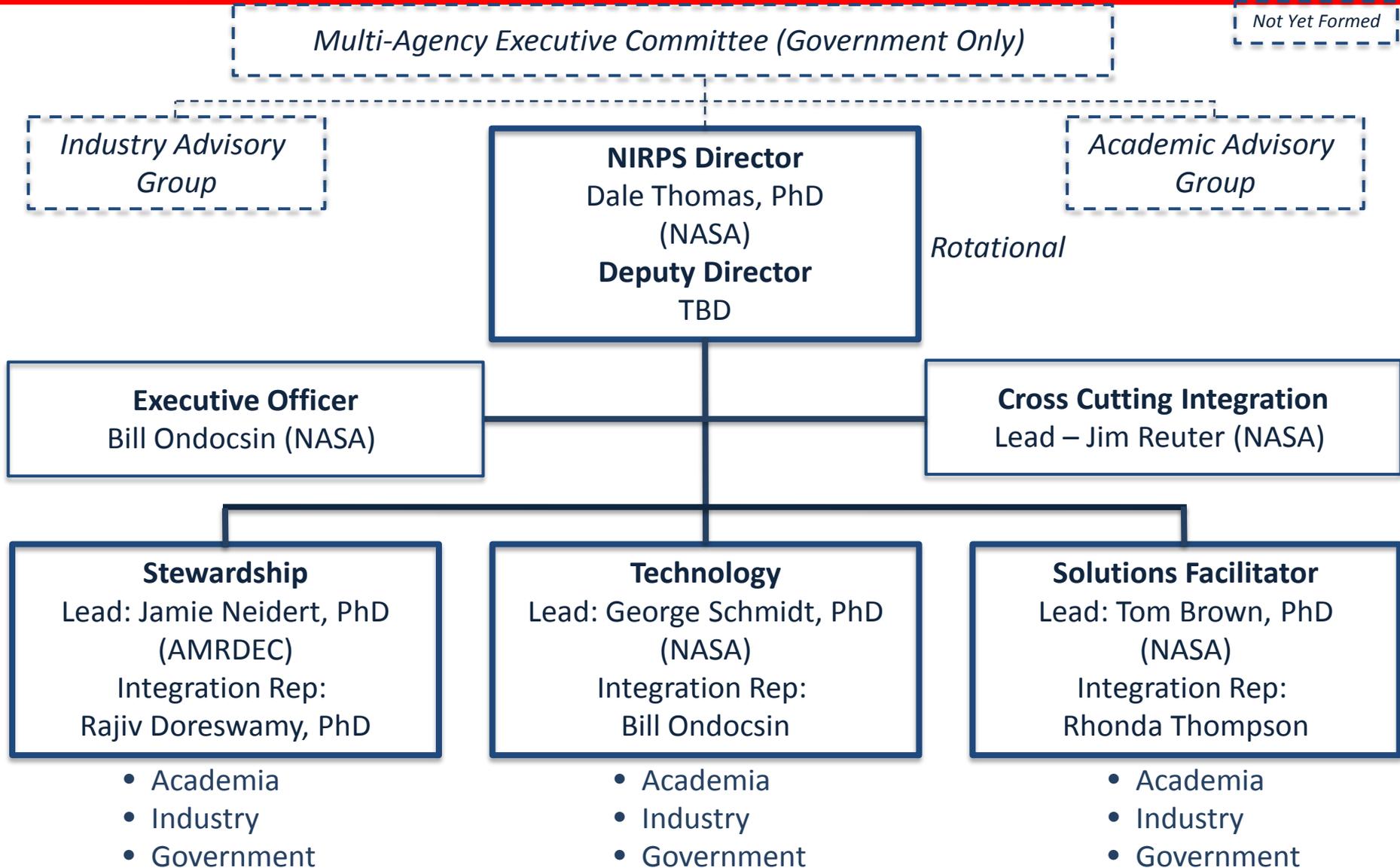
December 5-9, 2011

**Jim Reuter**

Senior Executive for Tech and Integration  
NASA Marshall Space Flight Center



# NIRPS Planning Organization



# Cross Cutting Integration Team Membership

Jim Reuter                      Cross Cutting Integration Team Lead

Jamie Neidert                      Stewardship Team Lead

Rajiv Doreswamy                      Stewardship Team Integration Rep

George Schmidt                      Technology Team Lead

Bill Ondocsin                      Technology Team Integration Rep

Tom Brown                      Solutions Facilitator Team Lead

Rhonda Thompson                      Solutions Facilitator Integration Rep

# Grand Challenges



# Inter-relationships of Strategy Teams

Grand Challenge	Stewardship	Technology	Solutions Facilitator
Support the competitiveness and resilience of the industrial base	Primary	Secondary	Secondary
Reduce development and sustainment costs for missile and rocket systems	Primary	Secondary	Secondary
Collaborate across agencies for missile and rocket propulsion system development	Secondary	Secondary	Primary
Foster access to facilities and expertise across Government, industry, and academia	Secondary	Secondary	Primary
Develop and implement an integrated science and technology plan for propulsion systems	Secondary	Primary	Secondary
Invigorate the STEM pipeline	Secondary	Primary	Secondary

# Plan

Outline the 'Plan of Attack'

Initial Strategy Development

Proceed to Implementation

Forum: JANNAF  
December 5, 2011

January 31, 2012

National Space Symposium  
April 16-19, 2012

- Activities:
- Grand Challenges identified
  - Preliminary review of 40+ studies
  - Key issues/concerns categorized
  - Preliminary Governance/Organization structure
  - Strategy Teams formed
  - Key participants identified

- Initial strategy developed by Strategy Teams
- Scope assessment of challenges and actions
- Initial inputs for budget planning identified
- Opportunities & constraints identified – inter-relationships with standing forums & associations

- Charter
- MOA's & agreements in place
- Finalized Governance/Organization structure and operating plan
- Refined strategy approaches
- Initial implementation into budgetary planning