

ESMD Commercial Development Policy (ECDP)

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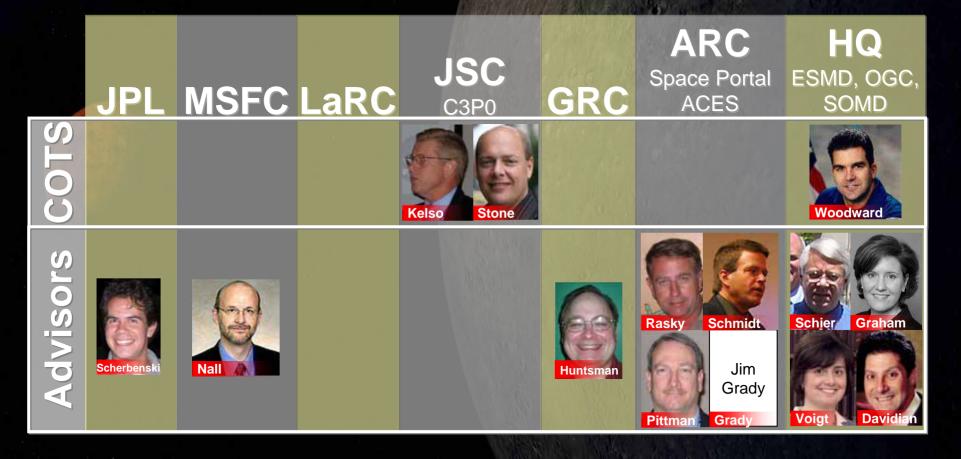
Agenda



- ESMD Commercial Development Team
- ECDP Definition and Overview
- ECDP Constructs
- ECDP Activities

ESMD Commercial Development Team





Definition of "Commercial Development"



A Transition of the state of th	Technology Commercialization	Commercial Development		
Gov't Role	Supplier of Technological Assets	Customer of Commercial Space Capabilities		
Policy	NPD 7500.2	ECDP		
TRL	1-6	6-9		
Leverag ing	None to Low	Medium to High		

ECDP - Scope



 The ECDP provides ESMD with a set of best practices, ideas, and concepts which all ESMD programs, projects, and activities should be cognizant of and work toward with respect to encouraging commercial space capabilities.

ECDP - Objectives



- To encourage the development of commercial space capability industries.
- To accomplish NASA exploration mission goals at a lower cost and cost risk to NASA.
- Through "fixed price" acquisition of commercial goods and services.

ECDP - Goals



To Encourage...

- The development of commercial space capabilities and markets.
- "Buy Commercial" instead of "Government Provided" decisions.
- Commercial representation and opportunities in NASA's exploration architectures.

ECDP - Approach



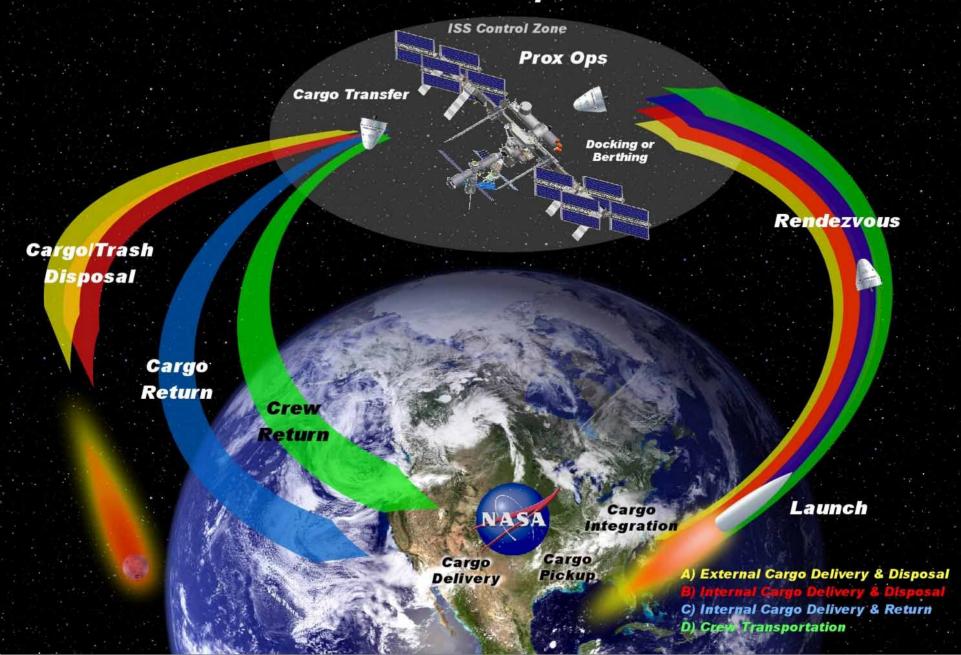
- Coordinated set of policy elements that encourage the private-sector to <u>develop</u>, <u>demonstrate</u>, <u>provide</u>, <u>and support</u> commercial space capabilities.
- Fair, open, and non-intrusive execution that allows the private-sector to retain IP rights and market share.
- Emerging space <u>business community identifies</u> <u>viable commercial sectors</u> for NASA encouragement.

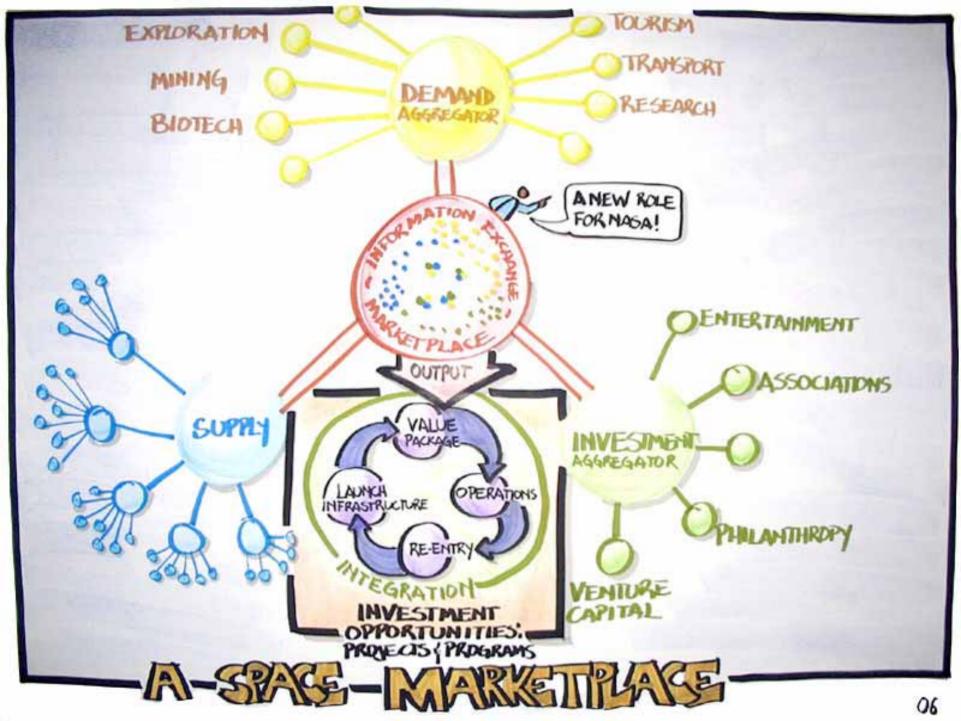
ECDP Barriers of Entry and Policy Elements



Policy Elements	Targeted Barriers of Entry	Encourage Investment	Encourage Production	Encourage Demand
Multi-Phased Programs		√ ₀ 33		✓
Being a Reliable Customer		/	/	✓
• "Encourage Commercial Space" Evaluation Criteria			✓	✓
Parallel Government- Commercial Efforts		✓	✓	
 Community Presence, Involvement, Dialogue, Support 			✓	✓
• ESMD Use of Space Capa	of Commercial abilities	✓		✓

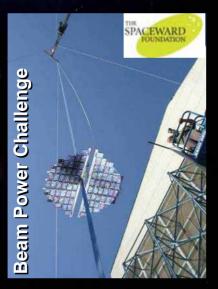
NASA Commercial Crew/Cargo Project Commercial Orbital Transportation Service





Centennial Challenges

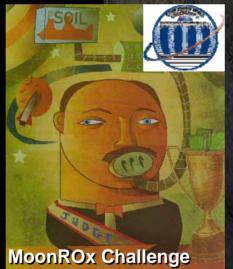




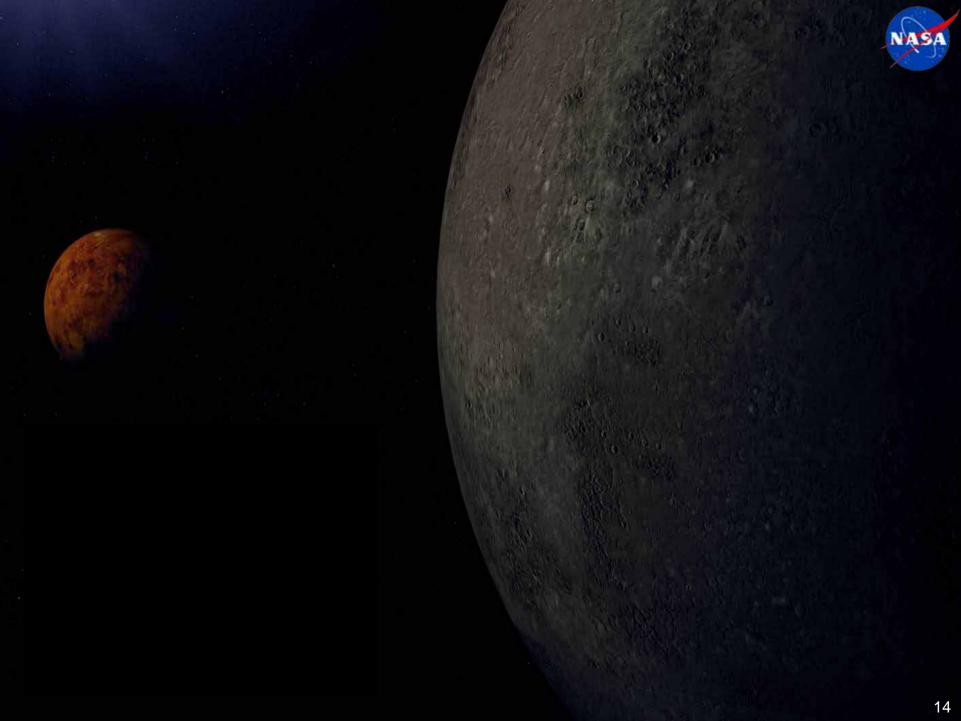












Potential New Directions: Multi-Phase Programs PRIZE Billions **FAR 12 Contracts** The Ultimate Goal Increasing Performance Limited Performance **Funded Space Act** Identifies Potential Suppliers, Customers Increased Performance Technology Demo for Competitive Award for Potential Investors Capability Demo **Prize Competition**

ECDP Next Steps in 2008



- Elevate ECDP to Agency-Level Policy
- Continue Internal Communication Efforts
- Solicit External Comments, Feedback, and Input at the Upcoming Events

ECDP Feedback Solicitation



- Any and All Feedback on ECDP is Welcome
- Please Give or Send Comments to
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