



NASA EVM Update

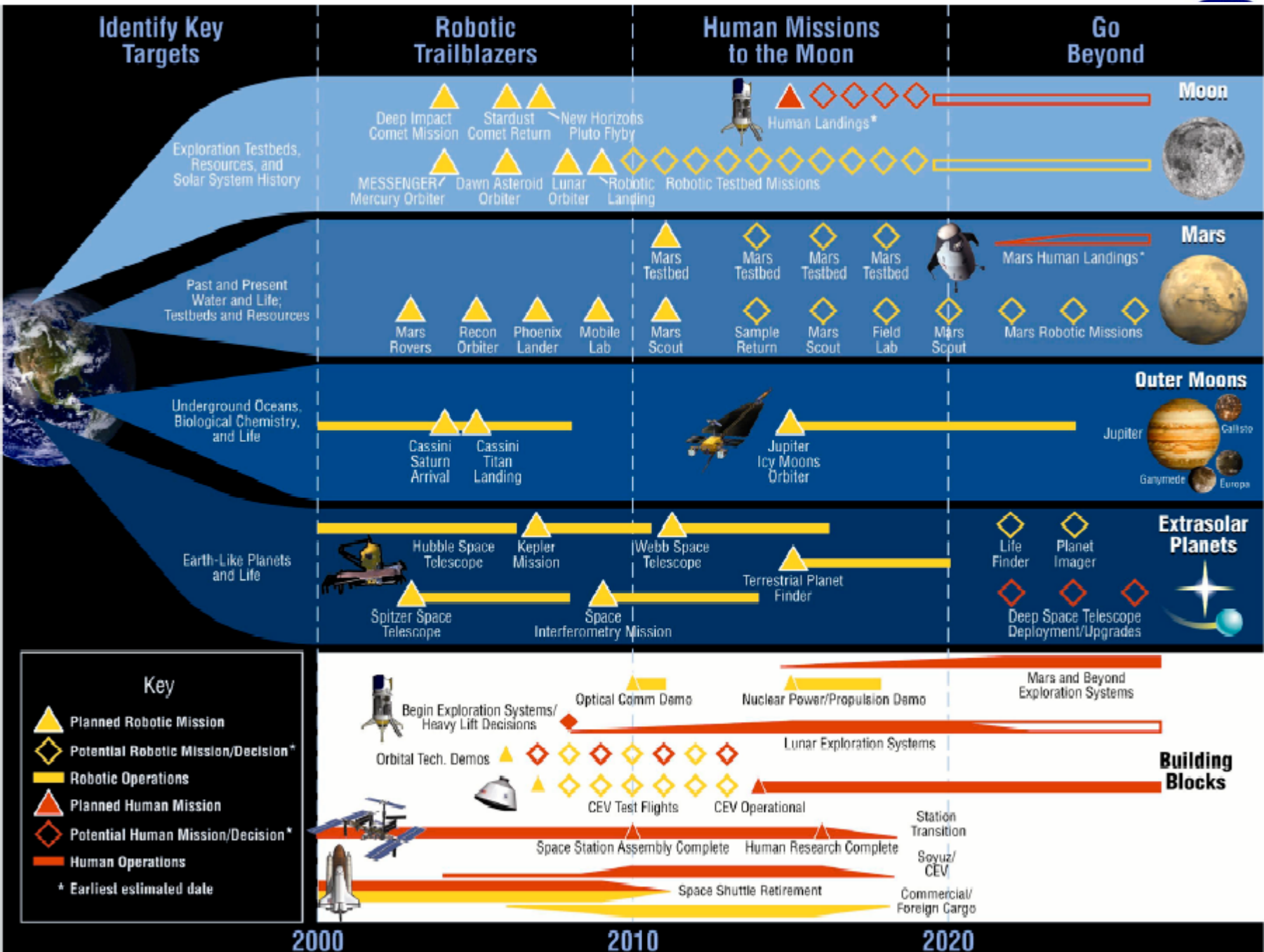
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Office of Exploration Systems (OExS) Formed



NASA EVM Update

- **NASA is establishing an acquisition approach and process to support the President's Vision for Moon and Mars Exploration**
- **Agency is realigning programs which previously fell under other NASA Enterprises/Centers**
- **Developing an Organizational Structure at NASA HQs & Centers to support this mission**
- **Craig E. Steidle has been selected as the Agency Associate Administrator for Exploration systems**
- **Jim Nehman named Director/Program Executive Office (PEO)**
 - **Human & Robotic Technology**
 - **Project Constellation**
 - **Project Prometheus**



Identify Key Targets

Robotic Trailblazers

Human Missions to the Moon

Go Beyond

Moon



Mars



Outer Moons



Extrasolar Planets



Exploration Testbeds, Resources, and Solar System History

Past and Present Water and Life; Testbeds and Resources

Underground Oceans, Biological Chemistry, and Life

Earth-Like Planets and Life

Deep Impact Comet Mission
Stardust Comet Return
New Horizons Pluto Flyby
MESSENGER Mercury Orbiter
Dawn Asteroid Orbiter
Lunar Orbiter
Robotic Landing



Human Landings*
Robotic Testbed Missions

Mars Testbed
Mars Testbed
Mars Testbed
Mars Testbed
Mars Scout
Sample Return
Mars Scout
Field Lab
Mars Scout



Mars Human Landings*
Mars Robotic Missions

Cassini Saturn Arrival
Cassini Titan Landing



Jupiter Icy Moons Orbiter



Hubble Space Telescope
Kepler Mission

Webb Space Telescope

Terrestrial Planet Finder

Spitzer Space Telescope

Space Interferometry Mission

Life Finder
Planet Imager
Deep Space Telescope Deployment/Upgrades

Key

- Planned Robotic Mission
- Potential Robotic Mission/Decision*
- Robotic Operations
- Planned Human Mission
- Potential Human Mission/Decision*
- Human Operations
- * Earliest estimated date



Begin Exploration Systems/ Heavy Lift Decisions

Optical Comm Demo

Nuclear Power/Propulsion Demo

Mars and Beyond Exploration Systems



Orbital Tech. Demos

Lunar Exploration Systems

Building Blocks



CEV Test Flights

CEV Operational

Station Transition

Soyuz/CEV

Commercial/Foreign Cargo

Space Station Assembly Complete

Human Research Complete

Space Shuttle Retirement

2000

2010

2020



NASA is Committed to EVM

NASA EVM Update

Craig Steidle's Letter to Center Directors dated April 5, 2004

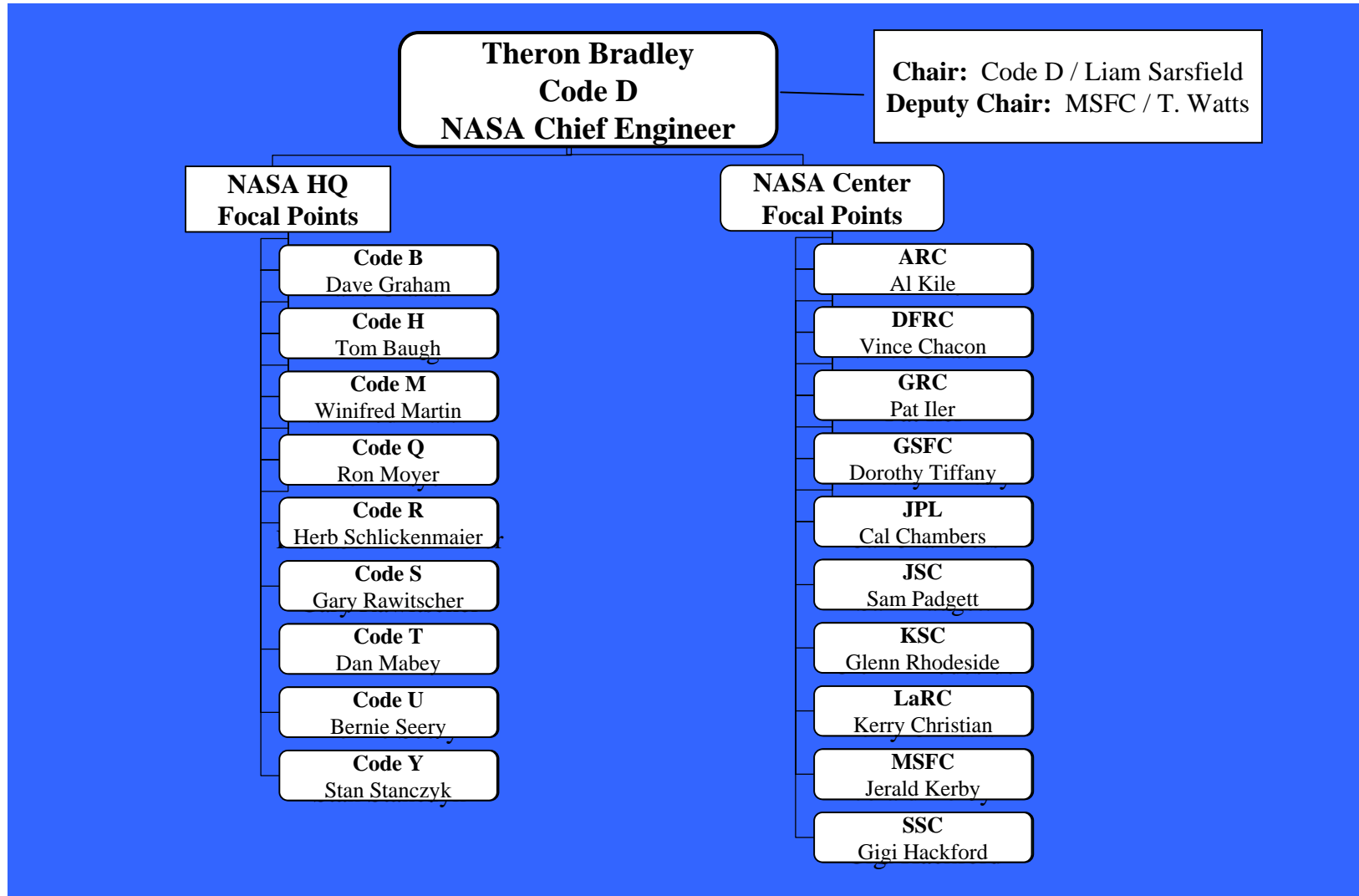
- **Highlights from and EVM perspective:**
 - I committed to Mr. O'keefe that I would establish discipline in my program and demand accountability from my program managers....
 - IBRs will be conducted on all transferring programs to OExS
 - Continuing programs will be expected to make rapid progress towards the consolidation of EVMS baselines, information systems, and management protocols during the remainder of FY04
 - Contract cost and schedule deviations greater than 10% will trigger a detailed variance analysis explaining the reasons for the cost/schedule deviation and the corrective action proposed
 - All Programs under OExS authority will be managed using EVM in FY2005

NASA is committed to EVM

NASA EVM Focal Point Council



NASA EVM Update





EVM Focal Point Charter

NASA EVM Update

- **Provide Agency EVM leadership and direction to NASA Program and Project Managers by proactively addressing EVM needs, requirements and issues**
- **Guide the implementation of EVM in a consistent, practical, and value added manner, in order for it to be utilized as an integrated management process fundamental to NASA management culture**
- **Ensure that documented EVM processes, applications, and analytical tools are available to support NASA programs and projects**
- **Oversee the development and implementation strategy for a formal EVM training curriculum**

Agency EVM Focal Point Council Planning Teams

NASA EVM Update



The NASA Chief Engineer has formed the following teams to support the PM Community in Agency EVM Activities and Issues:

- **Policy & Guidance Team**
- **Management Reporting & Utilization Team**
- **Training Team**
- **Data Analysis Tools and Processes Team**
- **In-House EVM Team**
- **WBS Utilization and Effectiveness Team**
- **Schedule Processes, Practices, and Tools Team**

Summary



- **EVM Focal Point Council Planning Teams will present their recommendations to NASA HQs (Code D) on May 5-6.**
- **Agency EVM Policy will be incorporated into the revised NPR 7120.5C for Agency Project Management.**
 - **A separate Agency EVM Handbook will be issued to provide guidance on policy implementation.**
- **The NASA Chief Engineer's Office (Code D), the Marshall Space Flight Center (Agency Principle Center for EVM), and Center EVM Focal Points will be offering support to OExS in their EVM initiatives.**