Ensuring Mission Ops Team Success Throughout the Lifecycle

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Challenges

- Vigilance throughout lifecycle
- Mission complexity
- Corporate knowledge retention
- Large variety of operations paradigms
- Competing priorities
- Long duration missions
- Transition of flight system developers to ops
- Diminishing budgets, tight schedules
- Decentralized approach
- Training: a “neglected discipline”
Drivers & Game Changers

• Loss of Mars Global Surveyor
• “Near misses”
• High accountability
• Growing recognition of ops criticality to mission success
• Increased emphasis on process
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How We’re Evolving

• Critical Events Readiness Review
• Extended Mission Review
• Training and certification
• Growing awareness
  — Knowledge Management
  — Documentation currency
  — Cross project info sharing