



Infrastructure & Automation



Overall Objective

Identify, develop, and demonstrate new system infrastructure and automation technologies to reduce the cost and increase the efficiency of TMOD in meeting mission operations and science needs of present and future customers.

Goals and Products

- F** • **Automation of Ground System Operations** - Operational prototype for automated DSN Fault Detection Isolation & Recovery (FDIR)
- T** • **Advanced Telecommunications Protocols** - Prototype & validate CCSDS File Delivery (CFDP), relay and end to end protocols
- O** • **Adaptive Ops Concepts and Products** - flight and ground components for spacecraft-initiated ops
- I** • **Integrated Mission Services** - Integration of short term & long-range DSN scheduling

