Preface

This report series presents progress on DSN supporting research and technology, advanced development and engineering, and implementation, and DSN operations which pertain to mission-independent or multiple-mission development as well as to support of flight projects. Each issue presents material in some, but not all, of the following categories in the order indicated.

Description of the DSN

Mission Support
- Interplanetary Flight Projects
  Planetary Flight Projects
  Manned Space Flight Project
  Radio Science Experiments
  Advanced Flight Projects

Advanced Engineering
  Tracking and Navigational Accuracy Analysis
  Communications Systems Research
  Communications Elements Research
  Supporting Research and Technology

Development and Implementation
  Space Flight Operations Facility Development
  Ground Communications Facility Development
  Deep Space Instrumentation Facility Development
  DSN Projects and Systems Development

Operations and Facilities
  DSN Operations
  Space Flight Operations Facility Operations
  Ground Communications Facility Operations
  Deep Space Instrumentation Facility Operations
  Facility Engineering

In each issue, the part entitled "Description of the DSN" describes the functions and facilities of the DSN and may report the current configuration of one of the six DSN systems (tracking, telemetry, command, monitoring, simulation, and operations control).

The work described in this report series is either performed or managed by the Tracking and Data Acquisition organization of JPL for NASA.