The objective of the Telemetry and Orbital Test Station (TOTS) is to bring the data to the engineers rather than the engineers to the data. A more recent and evolving objective for TOTS is also to share the data to support the operations community at operational and factory sites away from the Space Park facility in Redondo Beach, California.

TOTS primarily supports On-Orbit Operations for the Defense Support Program (DSP) early warning satellites. This includes Early on-orbit Test (EOT), Trending and Performance Analysis, in-depth Technical Analysis, and Anomaly Resolution.
The TOTS team consists of Northrop Grumman Space Technology satellite operations engineers, ground station engineers and shared Space Park satellite subsystem engineers. These engineers can support DSP operations at the various Air Force operational sites from the Space Park facility round-the-clock and can respond to emergencies with very short notice. This results in quicker, better response, reduced travel and better teamwork with the Air Force and associates.

To receive DSP telemetry data for real-time operations and sharing of information with the DSP Operations Community, TOTS has high-speed communications line connections with that operations community. It is connected to the Air Force operations site at Schriever Air Force Base, Colorado, the SBIRS Mission Control Station (MCS) at Buckley Air Force Base, Colorado and the Interim MCS Backup (IMCSB) in Boulder, Colorado.

TOTS is also connected to the Northrop Grumman Satellite Payload Orbital Test Station (SPOTS), Azusa, California; the Aerospace Research Center, El Segundo, California; the Air Force SBIRS System Program Office at Los Angeles Air Force Base, California, and the Northrop Grumman DSP Assembly, Test, and Integration area at Space Park.

TOTS functions as the long-term archival center for DSP state-of-health telemetry and uses multiple computerized tools to store, recall, process, analyze, and display that satellite telemetry. These tools include the Satellite Integration Test System (SITS); Satellite Telemetry Archival and Retrieval System (STARS); Satellite Tool Kit; Dynamic Display System; Operations Tools Enhancement (OTE) Workstations; TOTS Secure Network; the Document Support System (DSS); Secure Video Teleconferencing, and Secure Voice Communications.