

Second Guam Antenna System

Currently, the Guam Remote Ground Terminal (GRGT) has only one Space to Ground Link (SGL) antenna and one End to End Test (EET) antenna. Should the SGL antenna fail, the station would be down for all customers until it could be repaired. To mitigate the risks of operating without redundancy, this project will add a second SGL and EET antenna for the GRGT.

This second set of antennas will be similar in capability to the existing GRGT antennas and will be located in a straight line due south of the existing antennas. Only antennas, radomes, and interconnections are a part of this project. No Space to Ground Link Terminal (SGLT) will be added; however, capabilities for interconnections will be installed to allow a future SGLT to

work with these new antennas. The requirements phase was just recently completed with the System Requirements Review (SRR) in January 2004. The project is currently in the design phase with the Preliminary Design Review/Critical Design Review (PDR/CDR) scheduled for April 26, 2004. Facilities construction will begin in September 2004. Antennas, radomes, and the interfacilities link construction will begin in February 2005. Completion of all work is expected in May 2005, with operations beginning in June 2005.

If you have any questions, don't hesitate to contact Andre Fortin, email: Andre.Fortin@nasa.gov, phone: 301-286-7829.

By Andre Fortin
 Contact at (301) 286-7829
 Andre.Fortin@nasa.gov

4
5
2

