

RELEASE NOTICE

July 03, 2018

TO: DSN Document 810-005 Distribution
FROM: DSN Systems Engineering
SUBJECT: Release 44 for DSN Document 810-005

Modules 211 and 301 for Document 810-005, Deep Space Network (DSN) Telecommunications Link Design Handbook have been revised and are being released. A summary of changes for the affected Modules is as follows:

- **211, Rev. D; Wideband Very Long Baseline Interferometry**
 - Updated to reflect the current capability
- **301, Rev. L; Coverage and Geometry**
 - Estimated locations (geodetic, geocentric, etc.) for new BWG antennas DSS-53 and DSS-56 in Spain. The uncertainty is rather large (3 meters) because the calculations were based on the surveyed position of a marker at the bottom of the pedestal room excavation, where the surface was still quite rough and un-level.
 - New transmit horizon mask for DSS-34, based on polynomial fits to the radiometric measurements, for use in ATMC (antenna terrain mask controller). Similar polynomial fits for DSS-36 are in the existing module, also use in ATMC.
 - New CCW and CW cable wrap limits for all antennas. These are the SPS software limits presently in use. Previous limits were “generic”, rounded off to the nearest 5 degrees, approximately.

A copy of the updated modules can be obtained at the following URL:

<http://deepspace.jpl.nasa.gov/dsndocs/810-005/>

Should you want to subscribe, unsubscribe, or have further questions about this document release notice, please contact Christine Chang at 818-354-4264 or send email to Christine.Chang@jpl.nasa.gov

Should you have any technical questions regarding an 810-005 module, please see the contact list at the following URL:

<http://deepspace.jpl.nasa.gov/dsndocs/810-005/contact.cfm>

A copy of this release notice is also available at:

<http://deepspace.jpl.nasa.gov/dsndocs/810-005/relnote44.pdf>