

RELEASE NOTICE

September 01, 2021

TO: DSN Document 810-005 Distribution
FROM: DSN Systems Engineering
SUBJECT: Release 57 for DSN Document 810-005

Module 202D and 206D for Document 810-005, Deep Space Network (DSN) Telecommunications Link Design Handbook had been revised and are being released. A summary of changes for the affected Module is as follows:

- **202 (Revision D); Doppler Tracking**
 - Corrected equation (8) for the case of OQPSK
 - Added comments on recommended minimum carrier loop signal-to-noise ratio
 - Added a new Subsection 2.1.4 on carrier loop bandwidth
 - Corrected Figures 3, 4, and 5
- **206 (Revision D); Telemetry General Information**
 - Made minor updates to reflect current and near future station changes
 - Updated to Figure 1 to reflect station changes
 - Added LDPC rates.
 - Added DSS-56 and DSS-53

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

<https://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:

<https://deepspace.jpl.nasa.gov/dsndocs/810-005/contact-us/>

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