This program was written by Behçet Açıkmese, Marco B. Quadrrelli, and Linh Phan of Caltech for NASA’s Jet Propulsion Laboratory.

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### Tool for Merging Proposals Into DSN Schedules

A Practical Extraction and Reporting Language (Perl) script called “merge7da” has been developed to facilitate determination, by a project scheduler in NASA’s Deep Space Network, of whether a proposal for use of the DSN could create a conflict with the current DSN schedule. Prior to the development of merge7da, there was no way to quickly identify potential schedule conflicts; it was necessary to submit a proposal and wait a day or two for a response from a DSN scheduling facility. By using merge7da to detect and eliminate potential schedule conflicts before submitting a proposal, a project scheduler saves time and gains assurance that the proposal will probably be accepted. merge7da accepts two input files, one of which contains the current DSN schedule and is in a DSN-standard format called “7da.”

The other input file contains the proposal and is in another DSN-standard format called “C1/C2.” merge7da processes the two input files to produce a merged 7da-format output file that represents the DSN schedule as it would be if the proposal were to be adopted. This 7da output file can be loaded into various DSN scheduling software tools now in use.

This program was written by Terrapet Khasamorpan, John Koek, and Jared CalI of Caltech for NASA’s Jet Propulsion Laboratory.

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