### Service Request parameter definition

The parameters in the Service Request are defined in Table 1. All times are UTC Earth receive time.

Table 1 : Definition of Delta-DOR Service Request Parameters

| **Parameter** | **Units** | **Description** |
| --- | --- | --- |
| RequestId | YYYY-DDD**T**HH:MM:SS | Issue date (ID) of the service request |
| FormatVersion | N/A | File format version (integer) |
| MissionId | N/A | 4-character name of mission requesting the service |
| ConfigId | N/A | Receiver configuration (ID) to be used |
| ScId | N/A | Spacecraft ID, as used in Scan Table and Channel Table |
| ScName | N/A | 4-character spacecraft name |
| ScFlux | dBm/m2 | Spacecraft flux, normalized to 1 AU distance |
| Pol | N/A | Spacecraft received signal polarization (RCP or LCP) |
| Carrier | Hz | Spacecraft carrier transmitter frequency |
| DorOn | YYYY-DDD**T**HH:MM:SS | Start time for reception of spacecraft DOR tones |
| DorOff | YYYY-DDD**T**HH:MM:SS | End time for reception of spacecraft DOR tones |
| QuId | N/A | Quasar ID, as used in Scan Table |
| QuName | N/A | Quasar name as given in Quasar Catalog (space replaced by underscore) |
| QuFlux | Jy | Flux density of quasar |
| TrkStn | N/A | 4 character station ID |
| Network | N/A | Network that the tracking station belongs to |
| TrackStart | YYYY-DDD**T**HH:MM:SS | Start time for tracking station |
| TrackEnd | YYYY-DDD**T**HH:MM:SS | End time for tracking station |
| DdorEpoch | YYYY-DDDTHH:MM:SS | Begin time for DDOR recording activity |
| ScanNum | N/A | Scan number |
| ScanSource | N/A | Source ID (must be a listed ScId or QuId) |
| ScanStart | HH:MM:SS | Scan start time, time past DDOR Epoch |
| Duration | HH:MM:SS | Scan duration |
| ScSampleRate | Hz | Spacecraft recording channel bandwidth |
| ScSampleSize | bits/sample | Spacecraft recording channel sample resolution |
| QuSampleRate | Hz | Quasar recording channel bandwidth |
| QuSampleSize | bits/sample | Quasar recording channel sample resolution |
| ChanNum | N/A | Logical recording channel number |
| ScAssoc | N/A | Spacecraft to associate with recording channel (must be a listed ScId) |
| SigComp | N/A | Spacecraft signal component (CARRIER or SUBCAR or DORTONE) |
| DeltaFlux | dB | Spacecraft signal component flux relative to carrier signal |
| CohFlg | N/A | Coherency flag: T if signal component is a submultiple of the carrier (i.e. DOR Tone); F if signal component is an independent subcarrier |
| DorMult | N/A | DOR tone multiplier given as the ratio of two integers. Only used if CohFlg is ‘T’ |
| Subcar | Hz | Subcarrier frequency. Only used if CohFlg is ‘F’ |
| Harm | N/A | Harmonic number for either DOR tone or subcarrier. Used in both cases in which CohFlg is either ‘T’ or ‘F’. |