

CCSDS RECOMMENDED PRACTICE FOR SPACE COMMUNICATIONS CROSS SUPPORT—
ARCHITECTURE REQUIREMENTS DOCUMENT

- C1 M IF the underlying physical channel is an RF link conforming to CCSDS 401, ELSE N/A.
- C2 M IF the underlying sync and channel coding protocol is TM Sync and Channel Coding, DVB-S2 Sync and Channel Coding, DVB-S2 Sync and Channel Coding, or Optical Coding and Sync, ELSE N/A.
- C3 M IF the underlying sync and channel coding protocol is TC Sync and Channel Coding, ELSE N/A.

- O1 Set of options for physical layer protocol, one of which must be used.
- O2 Set of options for sync and channel coding over an RF communication link, one of which must be used.
- O3 Set of options for space data link protocol over fixed-length-frame sync and coding protocols.
- O4 Set of options for space data link protocol over variable-length-frame sync and coding protocols.

- N1 The use of VCM is optional, but is available only when the physical layer uses RF modulation.
- N2 Optical coding and modulation must be implemented as a pair of sublayers.
- N3 DVB-S2 and SCCC are combined coding and modulation protocols.
- N4 The SLE RAF service transfers TM, AOS, variable-length USLP, and fixed-length USLP frames. Because the transfer frame format is opaque to the RAF service, it is also capable of carrying other fixed-length data units.
- N5 The SLE F-CLTU service transfers CLTUs containing TC and variable-length USLP frames. Because the CLTU format is opaque to the RAF service, it is also capable of carrying other variable-length data units.