

Table 6-8 lists the space-side suite of protocols used to produce the space communication cross-support services provided by the ABA ESLT. These services and associated protocols are referenced by the requirements in this and other sections.

**Table 6-8: Space Side Protocols for ABA ESLT Space Communications Services**

Functions (Protocols)	RAF (space-to-ground)	RCF (space-to-ground)	ROCF (space-to-ground)	F-CLTU (ground-to-space)	FF-CSTS (ground-to-space)
TM Space Data Link Protocol [10]	N4	O3:C2	O3:C2		
AOS Space Data Link Protocol [9]	N4	O3:C2	O3:C2		O3:C2
Fixed Length Frame USLP [58]	N4	R3:C2	R3:C2		R3:C2
TC Space Data Link Protocol [31]	N4			N5	O4:C3
Variable Length Frame USLP [58]	N4	C3	C3	N5	R4:C3
TM Sync and Channel Coding [32]	O2:C1	O2:C1	O2:C1		O2:C1
TC Sync and Channel Coding [8]	O2:C1	O2:C1	O2:C1	C1	O2:C1
RF and Modulation (401) [34]	O1	O1	O1	O1	O1
VCM [???	O, N1	O, N1	O, N1	O, N1	O, N1
Optical Coding and Sync [67]					
Optical Comm Physical Layer [66]	O1, N2	O1, N2	O1, N2	O1, N2	O1, N2
DVB-S2 Sync and Channel Coding and Physical Layer [57]	O1, N3	O1, N3	O1, N3	O1, N3	O1, N3
SCCC Sync and Channel Coding and Physical Layer [56]	O1, N3	O1, N3	O1, N3	O1, N3	O1, N3