

Summary Table of the 16 packets (Saleh Al-Harthi)

segment	“Type” code	Slot occupancy	SCO link	ACL link	User Payload ² (Bytes)	[FEC, CRC ³]	Symm. Max Rate ⁴ (kbps)	Asymm. Max Rate (kbps) [F, R]	T _{SCO}
1 ⁵	0000	For Control Data	NULL	NULL	No payload	No payload	--	--	--
	0001		POLL	POLL	No payload	No payload	--	--	--
	0010		FHS	FHS	18+2CRC	[2/3, y]	--	--	--
	0011		DM1	DM1	0-17 +1 header	[2/3, y]	108.8	[108.8, 108.8]	--
2	0100	1	undefined	DH1	0-27 +1 header	[n, y]	172.8	[172.8, 172.8]	--
	0101		HV1 ⁶	undefined	10	[1/3, n]	64.0	--	2
	0110		HV2	undefined	20	[2/3, n]	64.0	--	4
	0111		HV3	undefined	30	[n, n]	64.0	--	6
	1000		DV ⁷	undefined	10 +(0-9)D +1headerD +2CRC D	[2/3, y] D	64.0 +57.6D	--	2
	1001		undefined	AUX1	0-29 +1header	[n, n]	185.6	[185.6, 185.6]	--
3	1010	3 ⁸	undefined	DM3	0-121 +2header	[2/3, n]	258.1	[387.2, 54.4]	--
	1011		DH3	0-183 +2header	[n, y]	390.4	[585.6, 86.4]	--	
	1100		undefined	undefined	--	--	--	--	--
	1101		undefined	undefined	--	--	--	--	--
4	1110	5	undefined	DM5	0-224 +2header	[2/3, y]	286.7	[477.8, 36.3]	--
	1111		DH5	0-339 +2header	[n, y]	433.6	[723.2, 57.6]	--	

1. The number following the ACL packet name refers to the number of occupied slots. This is not true for SCO packets, see footnote 6 below.
2. All headers in this column refer to “payload headers”. Note that a “payload header” is defined *only* for ACL packets.
3. When the letter “y” appears, it indicates “yes”, meaning that a 2-byte CRC is used to protect the payload. The letter “n” indicates “no”, meaning no CRC is used.
4. Based on the maximum “User Payload” bytes indicated in this table.
5. In addition to these four packets of “segment 1”, the “ID packet” is also common to both the SCO and ACL links, however, the “ID packet” consists only of the access code and does not contain the header.
6. The numbers, 1, 2, and 3, following the HV packet name refers to one of three schemes of FEC encoding: a 1/3-, a 2/3-rate, and no FEC, respectively. No *payload header* is present in all voice fields, i.e., no *payload header* in HV1, HV2, HV3, and the *voice field part of the DV packet*. HV1, HV2, and HV3 carry, respectively, 1.25ms, 2.5ms, and 3.75ms, of speech
7. Items followed by “D” relate to data field only. The payload of the “DV” packet is divided into a *voice field* (10 bytes, not protected by FEC) and a *data field* (up to 12 bytes including 1 byte payload header and 2 bytes CRC) encoded with a rate 2/3 FEC. Since the DV packet has to be sent at regular intervals due to its synchronous (voice) content, it is listed under the SCO packet types. The voice field is never retransmitted, i.e., always new.
8. Note that only the ACL link packets may occupy multiple (3 or 5) slots.