

State	I with Poll out	I with Poll in	RR with Poll out	RR with Poll in	RR with out P	RR with in P	REJ with Poll out	REJ with Poll in	REJ with out P	REJ with in P	RNR with Poll out	RNR with Poll in	RNR with out P	RNR with in P	SABM either	DISC either
S1 Disconnected	DM		DM				DM				DM				UA, S5*	DM**
S2 Link Setup															UA, S5*	DM, S1
S3 Frame Reject	FRMR		FRMR				FRMR				FRMR				UA, S5*	UA, S1
S4 Disconnect Rqst	DM, S1		DM, S1				DM, S1				DM, S1				DM, S1	UA, S1
S5 Information Xfr	RR	I	RR	I	I	RR	RR	I	I	RR, S9	RR, S9	S9		UA	UA, S1	
S6 REJ Frame Sent	RR, S5	I, S5	RR	I	I	RR	RR	I	I	RR, S15	RR, S15	S15		UA, S5	UA, S1	
S7 Waiting Acknow.	RR	I	RR	I	I	RR	RR	I	I	RR, S12	RR, S12	S12		UA, S5	UA, S1	
S8 Device Busy	RNR	RNR	RNR	I	I	RNR	RNR	I	I	RNR, S10	RNR, S10	S10		UA	UA, S1	
S9 Remote Device Busy	RR	RR	RR, S5	I, S5	RR, S5	RR, S5	RR, S5	I, S5	I, S5	RR	RR			UA, S5	UA, S1	
S10 Both Devices Busy	RNR	RNR	RNR, S8	I, S8	RNR, S8	RNR, S8	RNR, S8	I, S8	I, S8	RNR	RNR			UA, S8	UA, S1	
S11 Waiting Acknow. and Device Busy	RNR	RNR	RNR	I	I	RNR	RNR	I	I	RNR, S13	RNR, S13	S13		UA, S8	UA, S1	
S12 Waiting Acknow. and Remote Busy	RR	RR	RR, S7	I, S7	RR, S7	RR, S7	RR, S7	I, S7	I, S7	RR	RR			UA, S5	UA, S1	
S13 Waiting Acknow. Both Devices Busy	RNR	RNR	RNR, S11	I, S11	RNR, S11	RNR, S11	RNR, S11	I, S11	I, S11	RNR	RNR			UA, S8	UA, S1	
S14 REJ Sent and Device Busy	RNR	RNR	RNR	I	I	RNR	RNR	I	I	RNR, S16	RNR, S16	S16		UA, S8	UA, S1	
S15 REJ Sent and Remote Busy	RR, S9	RR, S9	RR, S6	I, S6	RR, S6	RR, S6	RR, S6	I, S6	I, S6	RR	RR			UA, S5	UA, S1	
S16 REJ Sent and Both Devices Busy	RNR	RNR	RNR, S14	I, S14	RNR, S14	RNR, S14	RNR, S14	I, S14	I, S14	RNR	RNR			UA, S5	UA, S1	

* DM, S1 if unable to establish link
 ** UA if received frame is without poll

Fig. A1 -- Level 2 state table for command frames received

State	RR with Final out	RR with- F	REJ with Final out	REJ with- F	RNR with Final out	RNR with- F	UA either	DM either	FRMR either
S1 Disconnected									
S2 Link Setup							S5	S1	
S3 Frame Reject									SABM, S2
S4 Disconnect Rqst							S1	S1	
S5 Information Xfr	I	I	I	I	S9	S9		SABM, S2	SABM, S2
S6 REJ Frame Sent	I	I	I	I	S15	S15	SABM, S2	SABM, S2	SABM, S2
S7 Waiting Acknow.	I, S5	I	I, S5	I	S9	S12	SABM, S2	SABM, S2	SABM, S2
S8 Device Busy	I	I	I	I	S10	S10	SABM, S2	SABM, S2	SABM, S2
S9 Remote Device Busy	I, S5	I, S5	I, S5	I, S5			SABM, S2	SABM, S2	SABM, S2
S10 Both Devices Busy	I, S8	I, S8	I, S8	I, S8			SABM, S2	SABM, S2	SABM, S2
S11 Waiting Acknow. and Device Busy	I, S8	I	I, S8	I	S10	S13	SABM, S2	SABM, S2	SABM, S2
S12 Waiting Acknow. and Remote Busy	I, S5	I, S7	I, S5	I, S7			SABM, S2	SABM, S2	SABM, S2
S13 Waiting Acknow. Both Devices Busy	I, S8	I, S11	I, S8	I, S11			SABM, S2	SABM, S2	SABM, S2
S14 REJ Sent and Device Busy	I	I	I	I	S16	S16	SABM, S2	SABM, S2	SABM, S2
S15 REJ Sent and Remote Busy	I, S6	I, S6	I, S6	I, S6			SABM, S2	SABM, S2	SABM, S2
S16 REJ Sent and Both Devices Busy	I, S14	I, S14	I, S14	I, S14			SABM, S2	SABM, S2	SABM, S2

Fig. A2 -- Level 2 state table of response frames received

State	Local Start Cmdnd	Local Stop Cmdnd	Station Becomes Busy	Busy Condition Clears	T1 Expires	T3 Expires	N2 is Exceeded	Invalid N(S) Received	Invalid N(R) Received	Unrecgd Frame Received
S1 Disconnected	SABM, S2									
S2 Link Setup		DISC, S4			SABM	SABM	S1			
S3 Frame Reject	SABM, S2	DISC, S4			FRMR	FRMR	SABM, S2			
S4 Disconnect Rqst	SABM, S2				DISC	DISC	S1			
S5 Information Xfr	SABM, S2	DISC, S4	RNR, S8		RR _c , S7	RR _c , S7		REJ, S6	FRMR, S3	FRMR, S3
S6 REJ Frame Sent	SABM, S2	DISC, S4	RNR, S14		RR _c , S7	RR _c , S7	SABM, S2		FRMR, S3	FRMR, S3
S7 Waiting Acknow.	SABM, S2	DISC, S4	RNR, S11		RR _c		SABM, S2		FRMR, S3	FRMR, S3
S8 Device Busy	SABM, S2	DISC, S4		RR, S5	RNR _c , S11	RNR _c , S11		RNR	FRMR, S3	FRMR, S3
S9 Remote Device Busy	SABM, S2	DISC, S4	RNR, S10		RR _c , S12	RR _c , S12		REJ, S15	FRMR, S3	FRMR, S3
S10 Both Devices Busy	SABM, S2	DISC, S4		RR, S9	RNR _c , S13	RNR _c , S13		RNR	FRMR, S3	FRMR, S3
S11 Waiting Acknow. and Device Busy	SABM, S2	DISC, S4		RR, S7	RNR _c		SABM, S2		FRMR, S3	FRMR, S3
S12 Waiting Acknow. and Remote Busy	SABM, S2	DISC, S4	RNR, S13		RR _c		SABM, S2		FRMR, S3	FRMR, S3
S13 Waiting Acknow. Both Devices Busy	SABM, S2	DISC, S4		RR, S12	RNR _c		SABM, S2		FRMR, S3	FRMR, S3
S14 REJ Sent and Device Busy	SABM, S2	DISC, S4		RR, S6	RNR _c , S11	RNR _c , S11		RNR	FRMR, S3	FRMR, S3
S15 REJ Sent and Remote Busy	SABM, S2	DISC, S4	RNR, S16		RR _c , S12	RR _c , S12			FRMR, S3	FRMR, S3
S16 REJ Sent and Both Devices Busy	SABM, S2	DISC, S4		RR, S15	RNR _c , S11	RNR _c , S11			FRMR, S3	FRMR, S3

Note: S frames with the notation XXXc are to be sent as commands, all others as responses

Fig. A3 -- Level 2 state table miscellaneous inputs

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