HDLC, continued

All frames use the same flag.

Information (I) Frames

Control Frame

7	6	5	4	3	2	1	0	
0	N(S)			P/F	N(R)			

Bit-Stuffing

The transmitter inserts a 0 after 5 consecutive 1s.

When the receiver is receiving data, after seeing 5 consecutive 0s, it checks the next bit. If it is a 0, then it simply strips it out. If it is a 1, however, it knows it is the flag byte and acts accordingly.

Supervisory (S) Frames

The control frame is structured a little differently than the control field of the I-frame. It starts off with a 10, then two bits for S,

Control Frame

7	6	5	4	3	2	1	0
1	0	CODE		P/F	N(R)		

CODE can be SREJ, REJ, RR, RNR

RR = Receiver Ready

RNR = Receiver Not Ready

Unnumbered (U) Frames

Used for doing link establishment. When one side it wants to establish a link with the other side, it sends U frames that is used for negotiating.

Control Frame

7	6	5	4	3	2	1	0
1	1	М		P/F	M		

