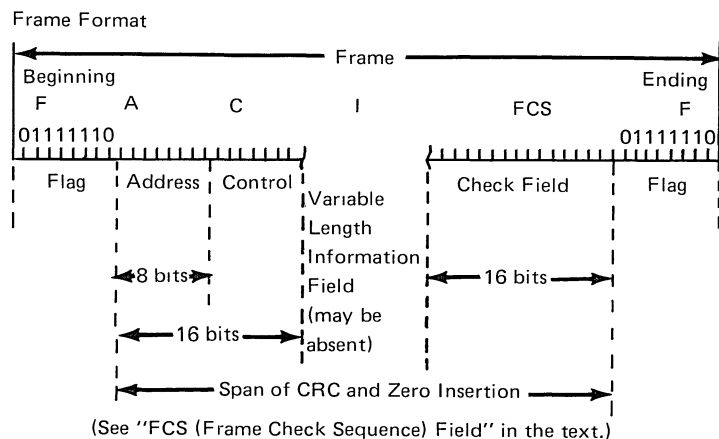


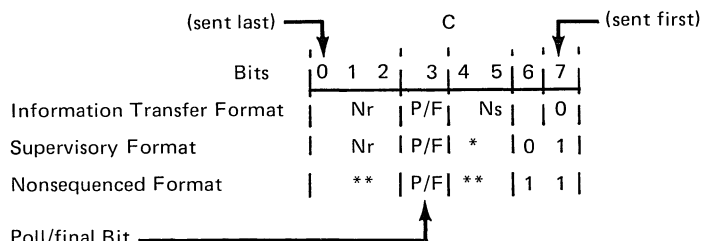
Data Transmission Codes

The SDLC attachment allows data communications using any eight bit data code including EBCDIC or ASCII.



Fields of the SDLC Transmission Frame

Control Field and P/F Bit



*Codes for supervisory commands/responses
 **Codes for nonsequenced commands/responses

Each C-field format contains the format identifier and p/f bits. The codes for the C-field commands and responses are shown below.

Format (Note 1)	Binary Configuration		Acronym	Command	Response	I Field Prohibited	Resets Nr and Ns	Conforms frames through Nr 1	Defining Characteristics
	Sent Last	Sent First							
NS	000	P/F	0011	NSI	X	X			Command or response that requires nonsequenced information
	000	F	0111	RQI		X			Initialization needed, expect SIM
	000	P	0111	SIM	X		X		Set initialization mode. the using system prescribes the procedures.
	100	P	0011	SNRM	X		X	X	Set normal response mode; transmit on command.
	000	F	1111	ROL		X	X		This station is off-line.
	010	P	0011	DISC	X		X		Do not transmit or receive information.
	011	F	0011	NSA		X	X		Acknowledge NS commands.
	100	F	0111	CMDR		X			Nonvalid command received; must receive SNRM, DISC, or SIM.
	101	P/F	1111	XID	X	X			System identification in I field.
	001	O/1	0011	NSP	X		X		Response optional if no P-bit.
111	P/F	0011	TEST	X	X			Check pattern in I field.	
S	Nr	P/F	0001	RR	X	X	X	X	Ready to receive.
	Nr	P/F	0101	RNR	X	X	X	X	Not ready to receive.
	Nr	P/F	1001	REJ	X	X	X	X	Transmit or retransmit, starting with frame Nr.
I	Nr	P/F	Ns 0	I	X	X		X	Sequenced I-frame

Note 1. NS = nonsequenced. S = supervisory. I = information.

Sequence		Part	EC 374831			
30F8AA	1 of 2	6826717	7-1-78			

Sequence		Part	EC 374831				
30F8AA	2 of 2	6826717	7-1-78				

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SDLC INDICATOR CONSOLE SWITCHES AND DISPLAY:

<i>SWITCH POSITION:</i>	<i>INDICATOR MEANING:</i>	<i>SWITCH POSITION:</i>	<i>INDICATOR MEANING:</i>
00000000	DCB Word 0 (Control Word)	01101000	SDLC Control 0 - Flag Detected 1 - Buffer Service Request 2 - Idle Detect 3 - Abort Detect 4 - Overrun 5 - B/M Clocking Selected 6 - Answer Tone Jumpered 7 - Modem Delay Selected
00001000	DCB Word 0 Low Order Byte		
00010000	DCB word 5 High Order Byte (Chain Addr)		
00011000	DCB Word 5 Low Order Byte (Chain Addr)		
00100000	DCB Word 6 High Order Byte (Byte Cnt)		
00101000	DCB Word 6 Low Order Byte (Byte Cnt)	01110000	Secondary Station Address
00110000	DCB Word 7 High Order (Data Address)	11100000	0 - 7 Lamp Test All Lamps Flashing
00111000	DCB Word 7 Low Order (Data Address)	11101000	Modem Status 0 = Data Terminal Ready 1 = Data Set Ready 2 = Request To Send 3 = Clear To Send 4 = Ring Indicator 5 = Half Rate Selected 6 = Transmit Mode 7 = Receive Mode
01000000	Residual Status Block Low Order Byte		
01001000	Interrupt Status Byte		
01010000	Status Word 2 High Order Byte		
01011000	DCB Word 4 High Order Byte (Status Addr)		
01100000	DCB Word 4 Low Order Byte (Status Addr)	11110000	Enable DTR Reset
		11111000	Reset Data Terminal Ready