

T-BERD 224 Technology

Loop Codes

The following is a listing of loop codes available as generation and detection patterns with the installation of the BERT Option.

Loop Codes Descriptions

Type	Equip. Location	Bit Pattern		Description
		<i>Loop Up</i>	<i>Loop Down</i>	
DDS-ALT	OCU	x010 1010	N/A	Alternating Office Channel Unit loop code.
	OCU+HL96	x010 1010	N/A	Alternating Office Channel Unit loop code behind HL96NY.
	HL96NY	x010 1010	N/A	Alternating HL96NY Office Channel Unit loop code.
	DSU	x010 1100	N/A	Alternating Data Service Unit loop code.
	CHANNEL	x010 1000	N/A	Alternating Channel Service Unit loop code.
	CHAN+1R	x010 1000	N/A	Alternating Channel Service Unit behind one repeater loop code.
	CHAN+2R	x010 1000	N/A	Alternating Channel Service Unit behind two repeaters loop code.
	1st RPTR	x010 1000	N/A	Alternating First Local Loop repeater loop code.
	2nd RPTR	x010 1000	N/A	Alternating Second Local Loop repeater loop code.
DDS-LAT	OCU	**	**	Latching Office Channel Unit loop code.
	CHANNEL	**	**	Latching Channel Service Unit loop code.
	DS0-DP (Location 1-8)	**	**	Latching DS0-Dataport loop code. When more than one DS0-DP is present, select location of DS0-DP from 1-8.
	LSI	**	**	Latching Line Side Interface (HL222) loop code.
	NEI	***	***	Latching Network Element and Adtran repeater and loop code.
	DSU	**	**	Latching Data Service Unit loop code.

(continued on back)



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Loop Codes Descriptions (cont.)

Type	Equip. Location	Bit Pattern		Description
T1	CSU	<i>Loop Up</i>	<i>Loop Down</i>	Customer Service Unit loop code.
		10000	100	
	FAC1	1100	1110	In-band 4-bit facility or network (or smart jack) loop codes.
	FAC2	11000	11100	In-band 5-bit facility or network (or smart jack) loop codes.
	PROGRAM	10000	100	3- to 8-bit programmable loop codes.
	ESF-LIN	0111 0000	0001 1100	ESF out-of-band Line loop codes transmitted left to right.
	ESF-PAY	0010 1000	0100 1100	ESF out-of-band Payload loop codes transmitted left to right.
	ESF-NET	0100 1000	0010 0100	ESF out-of-band Network loop codes transmitted left to right.
FAC3	100000	100	In-band 6-bit facility or network (or smart jack) loop codes.	

NOTES: ** As described in TR-TSY-000476, Issue 3, April 1987.

*** As described in TR-OPT-000489.

x = Subrate framing bit when the byte is transmitted or received as a DS0A or DS0B 19.2 kb/s signal. Framing bit pattern determined by DS0A or DS0B 19.2 kb/s data rate.

x = A "don't care" mode when the byte is received at a DS0A subrate, except DS0A 19.2 kb/s.

x = A "1" when the byte is transmitted at a DS0A subrate, except DS0A 19.2 kb/s.

*x = A "0" when control codes (except **IDLE**) are transmitted at the DS0A 56 kb/s rate.*

*x = A "don't care" mode when control codes (except **IDLE**) are received at the DS0A 56 kb/s rate.*

*x = A "1" when the **IDLE** code is transmitted or received at the DS0A 56 kb/s rate.*



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