

TABLE 8b—AUXILIARY DATA WORD ADDRESS
CODES—Continued

No.	I ₁₃	I ₁₄	I ₁₅	I ₁₆	I ₁₇	I ₁₈	I ₁₉	I ₂₀
9.	0	0	1	0	0	1	0	1
10.	0	0	1	0	1	0	0	0
11.	0	0	1	0	1	1	1	1
12.	0	0	1	1	0	0	0	1
13.	0	0	1	1	0	1	1	0
14.	0	0	1	1	1	0	1	1
15.	0	0	1	1	1	1	0	0
16.	0	1	0	0	0	0	1	1
17.	0	1	0	0	0	1	0	0
18.	0	1	0	0	1	0	0	1
19.	0	1	0	0	1	1	1	0
20.	0	1	0	1	0	0	0	0
21.	0	1	0	1	0	1	1	1
22.	0	1	0	1	1	0	1	0
23.	0	1	0	1	1	1	0	1
24.	0	1	1	0	0	0	0	1
25.	0	1	1	0	0	1	1	0
26.	0	1	1	0	1	0	1	1
27.	0	1	1	0	1	1	0	0
28.	0	1	1	1	0	0	1	0
29.	0	1	1	1	0	1	0	1
30.	0	1	1	1	1	0	0	0
31.	0	1	1	1	1	1	1	1
32.	1	0	0	0	0	0	1	0
33.	1	0	0	0	0	1	0	1
34.	1	0	0	0	1	0	0	0
35.	1	0	0	0	1	1	1	1
36.	1	0	0	1	0	0	0	1
37.	1	0	0	1	0	1	1	0
38.	1	0	0	1	1	0	1	1
39.	1	0	0	1	1	1	0	0
40.	1	0	1	0	0	0	0	0

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CODES—Continued

No.	I ₁₃	I ₁₄	I ₁₅	I ₁₆	I ₁₇	I ₁₈	I ₁₉	I ₂₀
41.	1	0	1	0	0	1	1	1
42.	1	0	1	0	1	0	1	0
43.	1	0	1	0	1	1	0	1
44.	1	0	1	1	0	0	1	1
45.	1	0	1	1	0	1	0	0
46.	1	0	1	1	1	0	0	1
47.	1	0	1	1	1	1	1	0
48.	1	1	0	0	0	0	0	1
49.	1	1	0	0	0	1	1	0
50.	1	1	0	0	1	0	1	1
51.	1	1	0	0	1	1	0	0
52.	1	1	0	1	0	0	1	0
53.	1	1	0	1	0	1	0	1
54.	1	1	0	1	1	0	0	0
55.	1	1	0	1	1	1	1	1
56.	1	1	1	0	0	0	1	1
57.	1	1	1	0	0	1	0	0
58.	1	1	1	0	1	0	0	1
59.	1	1	1	0	1	1	1	0
60.	1	1	1	1	0	0	0	0
61.	1	1	1	1	0	1	1	1
62.	1	1	1	1	1	0	1	0
63.	1	1	1	1	1	1	0	1
64.	0	0	0	0	0	0	0	0

NOTE 1: Parity bits I₁₉ and I₂₀ are chosen to satisfy the equations:

$$I_{13} + I_{14} + I_{15} + I_{16} + I_{17} + I_{18} + I_{19} = \text{EVEN}$$

$$I_{14} + I_{16} + I_{18} + I_{20} = \text{EVEN}$$

TABLE 8C—AUXILIARY DATA

Word (See note 6)	Data content	Type of data	Maximum time be- tween trans- missions (Seconds)	Bits used	Range of values	Least sig- nifi- cant bit
A1	Preamble	Digital	1.0	12	.....	.....
	Address .....	.....	.....	8	.....	.....
	Approach azimuth antenna offset .....	.....	.....	10	− 511 m to + 511 m (See note 3)	1 m
	Approach azimuth to MLS datum point distance. ....	.....	.....	13	0 m to 8 191 m	1 m
	Approach azimuth antenna alignment with runway centerline. ....	.....	.....	12	− 20.47° to 20.47° (See note 3) ..	0.01°
	Approach azimuth antenna coordinate system. ....	.....	.....	1	(See note 2) .....	.....
	Spare .....	.....	.....	13	.....	.....
A2	Parity .....	.....	.....	7	(See note 1) .....	.....
	Preamble	Digital	1.0	12	.....	.....
	Address .....	.....	.....	8	.....	.....
	Approach elevation antenna offset .....	.....	.....	10	− 511 m to + 511 m (See note 3)	1 m
	MLS datum point to threshold distance .....	.....	.....	10	0 m to 1 023 m	1 m
	Approach elevation antenna height .....	.....	.....	7	− 6.3 m to + 6.3 m (See note 3)	0.1 m
	Spare .....	.....	.....	22	.....	.....
A3	Parity .....	.....	.....	7	(See note 1) .....	.....
	Preamble	Digital	(See note 4)	12	.....	.....
	Address .....	.....	.....	8	.....	.....
	DME offset .....	.....	.....	10	− 511 m to + 511 m	1 m
	DME to MLS datum point distance .....	.....	.....	14	− 8 191 m to + 8 191 m (See note 3).	1 m
	Spare .....	.....	.....	25	.....	.....
	Parity .....	.....	.....	7	(See note 1) .....	.....
A4	Preamble	Digital	(See note 5)	12	.....	.....
	Address .....	.....	.....	8	.....	.....
	Back azimuth antenna .....	.....	.....	10	− 511 m to + 511 m (See note 3)	1 m
	Back azimuth to MLS datum point distance .....	.....	.....	11	0 m to 2 047 m	1 m