

TABLE 8a—BASIC DATA WORDS—Continued

Data bit #	Data item definition	LSB value	Data bit value
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Note 1: Transmit throughout the Approach Azimuth guidance sector at intervals of 1.0 seconds or less.

Note 2: The all zero state of the data field represents the lower limit of the absolute range of the coded parameter unless otherwise noted.

Basic Data Word No. 4

1	Preamble	N/A	1
2	.....	1	1
3	.....	1	1
4	.....	0	0
5	.....	1	1
6	.....	1	1
7	.....	0	0
8	.....	0	0
9	.....	0	0
10	.....	1	1
11	.....	0	0
12	.....	0	0
13	Approach azimuth magnetic orientation (0° to 359°).	1°	1°
14	.....	2°	2°
15	.....	4°	4°
16	.....	8°	8°
17	.....	16°	16°
18	.....	32°	32°
19	.....	64°	64°
20	.....	128°	128°
21	.....	256°	256°
22	Back azimuth magnetic orientation (0° to 359°).	1°	1°
23	.....	2°	2°
24	.....	4°	4°
25	.....	8°	8°
26	.....	16°	16°
27	.....	32°	32°
28	.....	64°	64°
29	.....	128°	128°
30	.....	256°	256°
31	Parity: (13 + 14 + 15. . . + 30 + 31 = odd).	N/A	N/A
32	Parity: (14 + 16 + 18. . . + 30 + 32 = odd).	N/A	N/A

Note 1: Transmit at intervals of 1.0 second or less throughout the Approach Azimuth guidance sector, except when Back Azimuth guidance is provided. See Note 8.

Note 2: The all zero state of the data field represents the lower limit of the absolute range of the coded parameter unless otherwise noted.

Basic Data Word No. 5

1	Preamble	N/A	1
2	.....	1	1
3	.....	1	1
4	.....	0	0
5	.....	1	1
6	.....	1	1
7	.....	1	1
8	.....	0	0
9	.....	1	1
10	.....	1	1
11	.....	0	0
12	.....	0	0
13	Back azimuth proportional coverage negative limit (0° to –42°).	2°	–2°
14	.....	.....	–4°
15	.....	.....	–8°

TABLE 8a—BASIC DATA WORDS—Continued

Data bit #	Data item definition	LSB value	Data bit value
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16			–16°
17			–32°
18	Back azimuth proportional coverage positive limit (0° to + 42°).	2°	2°
19	.....	.....	4°
20	.....	.....	8°
21	.....	.....	16°
22	.....	.....	32°
23	Back azimuth beamwidth (0.5° to 4.0°) See note 7.	0.5°	0.5°
24	.....	.....	1.0°
25	.....	.....	2.0°
26	Back azimuth status .....	.....	See Note 10
27	do .....	.....	Do.
28	do .....	.....	Do.
29	do .....	.....	Do.
30	do .....	.....	Do.
31	Parity: (13 + 14 + 15. . . + 30 + 31 = odd).	N/A	N/A
32	Parity: (14 + 16 + 18. . . + 30 + 32 = odd).	N/A	N/A

Note 1: Transmit only when Back Azimuth guidance is provided. See note 9.

Note 2: The all zero state of the data field represents the lower limit of the absolute range of the coded parameter unless otherwise noted.

Basic Data Word No. 6

1	Preamble	N/A	1
2	.....	.....	1
3	.....	.....	1
4	.....	.....	0
5	.....	.....	1
6	.....	.....	0
7	.....	.....	0
8	.....	.....	0
9	.....	.....	1
10	.....	.....	1
11	.....	.....	0
12	.....	.....	1
13–30	MLS ground equipment identification (Note 3).	.....	.....
13	Character 2	N/A	B1
14	.....	.....	B2
15	.....	.....	B3
16	.....	.....	B4
17	.....	.....	B5
18	.....	.....	B6
19	Character 3	N/A	B1
20	.....	.....	B2
21	.....	.....	B3
22	.....	.....	B4
23	.....	.....	B5
24	.....	.....	B6
25	Character 4	N/A	B1
26	.....	.....	B2
27	.....	.....	B3
28	.....	.....	B4
29	.....	.....	B5
30	.....	.....	B6
31	Parity: (13 + 14 + 15. . . + 30 + 31 = odd).	N/A	N/A
32	Parity: (14 + 16 + 18. . . + 30 + 32 = odd).	N/A	N/A

Note 1: Transmit at intervals of 1.0 second or less throughout the Approach Azimuth guidance sector, except when Back Azimuth guidance is provided. See note 8.