

Table 1: 8 state trellis - message bits sent to the filter

Present State	encoder - filter (recent, old)	Input	Next State	encoder - filter
0	00 00	0	0	00 00
0	00 00	1	5	10 11
1	00 11	0	0	00 00
1	00 11	1	5	10 11
2	01 01	0	4	10 00
2	01 01	1	1	00 11
3	01 10	0	4	10 00
3	01 10	1	1	00 11
4	10 00	0	6	11 01
4	10 00	1	3	01 10
5	10 11	0	6	11 01
5	10 11	1	3	01 10
6	11 01	0	2	01 01
6	11 01	1	7	11 10
7	11 10	0	2	01 01
7	11 10	1	7	11 10