Table 1: 16 state trellis - message bits sent to the filter

Present State	encoder - filter (recent, old)	Input	Next State	encoder - filter
0	00 00 00	0	0	00 00 00
0	00 00 00	1	10	10 11 00
1	00 00 11	0	0	00 00 00
1	00 00 11	1	10	10 11 00
2	00 11 01	0	1	00 00 11
2	00 11 01	1	11	10 11 11
3	00 11 10	0	1	00 00 11
3	01 11 10	1	11	10 11 11
4	01 01 01	0	8	10 00 01
4	01 01 01	1	2	00 11 01
5	01 01 10	0	8	10 00 01
5	01 01 10	1	2	00 11 01
6	01 10 00	0	9	10 00 10
6	01 10 00	1	3	00 11 10
7	01 10 11	0	9	10 00 10
7	01 10 11	1	3	00 11 10
8	10 00 01	0	12	11 01 00
8	10 00 01	1	6	01 10 00
9	10 00 10	0	12	11 01 00
9	10 00 10	1	6	01 10 00
10	10 11 00	0	13	11 01 11
10	10 11 00	1	7	01 10 11
11	10 11 11	0	13	11 01 11
11	10 11 11	1	7	01 10 11
12	11 01 00	0	4	01 01 01
12	11 01 00	1	14	11 10 01
13	11 01 11	0	4	01 01 01
13	11 01 11	1	14	11 10 01
14	11 10 01	0	5	01 01 10
14	11 10 01	1	15	11 10 10
15	11 10 10	0	5	01 01 10
15	11 10 10	1	15	11 10 10