SMPTE STANDARD

Amendment 1-2009 to SMPTE 370M-2006

for Television —
Data Structure for DV-Based Audio, Data and Compressed Video at 100 Mb/s 1080/60i, 1080/50i, 720/60p, 720/50p — Amendment 1

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Approved
June 15, 2009

Foreword

SMPTE (the Society of Motion Picture and Television Engineers) is an internationally-recognized standards developing organization. Headquartered and incorporated in the United States of America, SMPTE has members in over 80 countries on six continents. SMPTE's Engineering Documents, including Standards, Recommended Practices, Engineering Guidelines and Registered Disclosure Documents, are prepared by SMPTE's Technology Committees. Participation in these Committees is open to all with a bona fide interest in their work. SMPTE cooperates closely with other standards-developing organizations, including ISO, IEC and ITU.

SMPTE Engineering Documents are drafted in accordance with the rules given in Part XIII of its Administrative Practices.

SMPTE Standard Amendment 1 to SMPTE 370M was prepared by Technology Committee 22TV.

1 Scope

The purpose of this amendment is to correct codeword errors in Table 28 of SMPTE 370M-2006.

2 Amendment of Table 28

Replace Table 28 of SMPTE 370M-2006 with the following Table.

Table 28 – Codewords of variable length coding

(Run, amp)		Code	Length	(Run, amp)		Code	Length	(Run, amp)		Code	Length
0	1	00s	2+1	11	1	111100000s	9+1	7	2	111110110000s	12+1
0	2	010s	3+1	12	1	111100001s		8	2	111110110001s	
EOB		0110	4	13	1	111100010s		9	2	111110110010s	
1	1	0111s	4+1	14	1	111100011s		10	2	111110110011s	
0	3	1000s		5	2	111100100s		7	3	111110110100s	
0	4	1001s		6	2	111100101s		8	3	111110110101s	
2	1	10100s	5+1	3	3	111100110s		4	5	111110110110s	
1	2	10101s		4	3	111100111s		3	7	111110110111s	
0	5	10110s		2	4	111101000s		2	7	111110111000s	
0	6	10111s		2	5	111101001s		2	8	111110111001s	
3	1	110000s	6+1	1	8	111101010s		2	9	111110111010s	
4	1	110001s		0	18	111101011s		2	10	111110111011s	
0	7	110010s		0	19	111101100s		2	11	111110111100s	
0	8	110011s		0	20	111101101s		1	15	111110111101s	
5	1	1101000s	7+1	0	21	111101110s		1	16	111110111110s	
6	1	1101001s		0	22	111101111s		1	17	111110111111s	
2	2	1101010s		5	3	1111100000s	10+1	6	0	1111110000110	13
1	3	1101011s		3	4	1111100001s		7	0	1111110000111	
1	4	1101100s		3	5	1111100010s		| R |	| 0 |	1111110	Binary notation of R R = 6 to 61	
0	9	1101101s		2	6	1111100011s					
0	10	1101110s		1	9	1111100100s					
0	11	1101111s		1	10	1111100101s		61	0	1111110111101	
7	1	11100000s	8+1	1	11	1111100110s		0	23	1111111000010111s	15+1
8	1	11100001s		0	0	11111001110	11	0	24	1111111000011000s	
9	1	11100010s		1	0	11111001111		| 0 |	| A |	1111111	Binary notation of A A = 23 to 255	s
10	1	11100011s		6	3	11111010000s	11+1				
3	2	11100100s		4	4	11111010001s					
4	2	11100101s		3	6	11111010010s					
2	3	11100110s		1	12	11111010011s		0	255	1111111111111111s	
1	5	11100111s		1	13	11111010100s					
1	6	11101000s		1	14	11111010101s					
1	7	11101001s		2	0	111110101100	12				
0	12	11101010s		3	0	111110101101					
0	13	11101011s		4	0	111110101110					
0	14	11101100s		5	0	111110101111					
0	15	11101101s									
0	16	11101110s									
0	17	11101111s									