

CCITT SGXV
Working Party XV/1
Specialists Group on Coding
for Visual Telephony

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Oslo , March 7-10 , 1989

Title : RM7 simulations at 64 Kbit/s ; Full CIF & QCIF

Source : FRANCE

Statistics :RM7 ; Full CIF format
 Bit rate :59.4 Kbit/s
 Source :CNET - FRANCE TELECOM
 Date : 2/21/1989

Sequence Frame rate	CLAIRE 10 Hz	MISS A. 10 Hz	TREVOR 10 Hz
R.M.S. Y C	3.11 2.48	3.30 3.00	6.07 2.61
S.N.R. Y C	38.27 40.24	37.77 38.59	32.46 39.79
Step size	19.10	18.83	39.32
Nbr of non zeroes	Y: 3.26 C: 1.70	2.60 1.38	2.11 1.04
Nbr of zeroes	Y: 5.93 C: 2.69	4.26 1.74	3.17 .11
MACRO BLOCK TYPE			
Overflow	0	0	2
Fixed	280	225	235
Fixed MC	7	22	36
Inter	61	75	26
Inter MC	46	72	79
Intra	0	0	14
NUMBER OF BITS			
MB Attributes	530	677	572
E O B	987	1418	1061
Motion vectors	348	618	1006
Coefficients : Y C	3785 280	2606 580	2775 564
Total	5930	5899	5978

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Sequence Frame rate	SALESMAN 10 Hz	SWING 10 Hz	BL. JA. 10 Hz
R.M.S. Y C	6.72 2.82	4.50 3.44	5.57 3.19
S.N.R. Y C	31.58 39.14	35.07 37.39	33.22 38.05
Step size	26.25	24.74	30.76
Nbr of non zeroes	Y: 2.90 C: 1.25	3.28 3.42	5.27 2.31
Nbr of zeroes	Y: 9.05 C: 1.73	23.69 16.15	10.10 5.19
MACRO BLOCK TYPE			
Overflow	0	3	5
Fixed	272	314	311
Fixed MC	7	2	6
Inter	77	70	52
Inter MC	34	4	19
Intra	4	1	1
NUMBER OF BITS			
MB Attributes	572	369	362
E O B	968	741	670
Motion vectors	271	62	159
Coefficients : Y C	3949 171	3866 889	4271 469
Total	5931	5927	5931

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Sequence Frame rate	CLAIRE 10 Hz	MISS A. 10 Hz
R.M.S. Y C	37.82 41.43	37.62 38.89
S.N.R. Y C	33.35 39.56	34.55 37.56
Step size	21.50	25.56
Nbr of non zeroes	Y: 8.35 C: 5.30	8.53 4.55
Nbr of zeroes	Y:11.45 C:10.71	10.14 8.96
MACRO BLOCK TYPE		
Overflow	2	2
Fixed	57	50
Fixed MC	1	6
Inter	29	25
Inter MC	8	13
Intra	0	0
NUMBER OF BITS		
MB Attributes	172	179
E O B	375	441
Motion vectors	48	92
Coefficients : Y C	4365 589	4030 1017
Total	5549	5759

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Sequence Frame rate	SALESMAN 10 Hz	TREVOR 10 Hz	BL. JA. 10 Hz
R.M.S. Y C	34.41 41.28	34.17 40.57	34.56 40.26
S.N.R. Y C	28.41 30.64	31.72 39.74	30.43 37.80
Step size	22.84	26.31	28.27
Nbr of non zeroes	Y: 8.69 C: 2.49	6.48 1.92	13.02 4.22
Nbr of zeroes	Y: 16.58 C: 6.08	10.76 2.76	17.20 12.20
MACRO BLOCK TYPE			
Overflow	3	0	8
Fixed	58	49	64
Fixed MC	0	3	0
Inter	31	18	22
Inter MC	4	24	2
Intra	0	2	0
NUMBER OF BITS			
MB Attributes	169	176	117
E O B	363	468	255
Motion vectors	29	197	17
Coefficients : Y C	4807 212	5052 167	4550 408
Total	5580	6060	5347