CCITT SGXV

Working Party XV/1

January 1988

Specialists Group of Coding for Visual Telephony

SOURCE: Delta Information Systems, Inc; USA

TITLE: Status of N x 384 Kbps Test Generator

Six Test Signal Generators have been delivered during the period July to September 1987. Only one user (NEC) has reported results form feeding the TSG output to a decoder. This showed generally correct results, except that the Reversing Bars using inter coefficients did not give the expected results, and there was a slight irregularity to the motion of the Moving Edge.

A revised set of PROMs containing the video signal will be completed this month.

The new PROMs will change the following items:

o   The Reversing Bars inter coefficients will be changed to give the desired results.

o   All intra-coded GOBs will include chrominance blocks, so that all pixels will have their colors defined.

o   In two GOBs, 18 different colors will be produced that are intended to match the colors on a standard color chart. See attached figure.

o   One block will be coded to produce a detailed black and white pattern, using all 64 coefficients.

Test image chart — GOB-based test pattern

GOB NO.	1	2	3	4	5	6	7	8	9	10	11	
1–4	23	44	65	86	107	128	149	170	191	212	233	GRAY BARS
5	Start ↘	33		→ 2 pels/picture			222				←Finish	MOVING EDGE
6	23	44	65	86	107	128	149	170	191	212	233	GRAY BARS
7	BLACK	PURPLE	YELLOW GREEN	ORANGE YELLOW	BLUE	GREEN	RED	FOLIAGE	BLUE FLOWER	BLUISH GREEN	WHITE	COLOR BARS
8	23	44	65	86	107	128	149	170	191	212	233	GRAY BARS
9	BLACK	ORANGE	PURPLISH BLUE	MODERATE RED	YELLOW	MAGENTA	CYAN	DARK SKIN	LIGHT SKIN	BLUE SKY	WHITE	COLOR BARS
10	23	44	65	86	107	128	149	170	191	212	233	GRAY BARS
11	23/233	44/212	65/191	86/170	107/149		149/107	170/86	191/65	212/44	233/23	REVERSING BARS
12						Detailed Block						
14	23	44	65	86	107	128	149	170	191	212	233	GRAY BARS
17												COLOR NOISE

TEST IMAGE