

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

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SOURCE: Delta Information Systems, Inc.; USA

TITLE: A Signal Generator to Test N x 384 Kbps Decoders

BACKGROUND

At the meeting of the Specialists Group in Nuremberg AT&T and Delta Information Systems (DIS) agreed to jointly investigate the feasibility of developing a signal generator to test N x 384 Kbps decoders. Also at that meeting representatives of several nations expressed they will purchase this equipment. The purpose of this contribution is to provide a progress report on the Signal Generator project.

STATUS OF SIGNAL GENERATOR DEVELOPMENT

British Telecom has supplied AT&T with the algorithm software used in their simulation studies. AT&T is now using this software to compress a short image sequence and will supply their output tape to DIS very shortly. DIS will convert the AT&T tape to a serial bit stream by performing the variable length coding function and formatting the data according to the ISDN structure defined by the Specialists Group.

The serial bit stream generated by DIS will be stored on a floppy disk which will be inserted into the Signal Generator for operation. Key characteristics of the Signal Generator unit are listed below:

- Size: 19"W x 11.5"H x 16.5"D
- Power: 200 watts
- Operator Control: Standard CRT Terminal via RS-232 interface
- Bit Rate: 384 Kbps; can be increased later
- Number of Image Sequences: One initially; can be increased later
- Global attributes (PGMV, GGMV, QUANT 1, TYPE 2): Not included; can be added later
- Audio: Not included
- Data: Not included
- Signals on connector: Data output, clock output, ground
- Implementation Technique: VME Bus

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SCHEDULE

The Signal Generator will be available June 1987.

NUMBER OF UNITS

France	1
Germany	1
Japan	3 - 4
Netherlands	1
UK	1 - 2
	<u>7 - 9</u>

PRICE

Assuming eight Signal Generator units are purchased, the budgetary price will be in the range of \$25,000.

DELIVERABLES

- Signal Generator including floppy disk module and CRT controller
- Floppy Disk containing serial bit stream
- Operator's Manual