

IEEE BTS G-2.1 Audio Video Techniques Committee
Subcommittee G-2.1.6 Video Compression, Task Force on Imaging Test Materials

To: IEEE Subcommittee G-2.1.6

Date: November 8, 1997

From: David Fibush

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Subject: Report of the Task Force meeting held at the
ATTC in Alexandria, VA, November 4th

Attendees:

Charles Fenimore fenimore@eeel.nist.gov

Dave Fibush davef@tv.tv.tek.com

Alan Godber agodber@idt.net

Walt Husak whusak@attc.org

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The purpose of the meeting was to view test sequences down converted from 1125-line HD to 525-line SDTV. All material was viewed on a component monitor with SDI input from a D5 VTR. These were primarily sequences selected at the previous task force meeting.

CRC	Flower Garden #1	(CRC = Communications Research Center, Canada)
CRC	Flower Garden #2	
CRC	Paddle Boat	
CRC	Flags/Pennants	
	Roller Coaster with Water	
	Amish People	
	Rotating Pyramids	
	Connections GFX 30 FPS	
	Fax Machine	
	Metal Tube with Chairs	
	Tulips	
	Sculptures	
	Paint Store	
	Mannequins	
	Christa	
	End Zone	
	Dream Team	
	Picnic with noise	
ITU	Mobile and Calendar	

The conclusion is that all sequences are acceptable as reference scenes for 525-line measurement system evaluation. There did not appear to be any reason to not use them for other evaluation purposes as well. The only possible exception would be use of somewhat larger letters (closer zoom) on the fax machine as the resolution capability of the 525-line system is not a good match for the text size.

Down conversions to 625-line were not available and there is concern that the temporal conversion would produce undesirable artifacts. Certainly down conversion to 525-line is acceptable so it may be more appropriate for the members of the ITU experts group who usually work with 625-line systems to set up a viewing session when down conversion is available. Although not discussed at the meeting, it might be possible for Walt Husak to prepare a 625-line D1 tape to be sent to Europe for viewing.

