

COMMITTEE T1
CONTRIBUTION

Document Number T1A1.5/92-161

STANDARDS PROJECT: Analog Interface Performance Specifications for Digital
Video Conferencing/Video Telephony Service

TITLE: Five Test Scenes from PictureTel

ISSUE ADDRESSES: Additional videoconferencing test sequences, including
audio

SOURCE: PictureTel Corporation - Bob Reynolds

DATE: October 9, 1992

DISTRIBUTION TO: T1A1.5

KEYWORDS: Video Conferencing, Video Telephony, Video Quality,
Subjective Quality, Objective Quality,
Video Test Sequences

DISCLAIMER:

Five Test Scenes from PictureTel

1. Introduction

This contribution presents five test scenes typical of videoconferencing applications. We offer them as candidates for the suite of test sequences to be part of T1A1.5's video quality assessment procedure.

2. Methods and Media

All scenes have been captured in Betacam-SP format, with stereo audio tracks. Room views used an RGB studio-quality three chip camera and an S-video high-end consumer quality camcorder camera. Document scenes were captured with a standard document camera stand, typical of today's videoconferencing systems. Audio was captured using a pair of tabletop cardioid microphones approximately three feet apart, pointed at the presenter, in a carpeted room having some fan noise.

3. Scenes Captured

3.1 "Filter"

Duration: approx. 50 seconds. Presentation of hand drawn block diagram and equations, using a document camera.

3.2 "Yosemite"

Duration: approx. 55 seconds. Pointing and gesturing at a detailed map, using a document camera.

3.3 "Numbers"

Duration: approx 30 seconds. Discussion of a table of numbers, with hand gesturing under a document camera.

3.4 "Vowels"

Duration: approx 3 1/2 minutes. Whiteboard presentation using a three chip room camera. Can be easily edited into small vignettes.

3.5 "Inspections"

Duration: approx. 65 seconds. Stand up presentation, including scene cuts to and from a document camera. The document camera was gen-locked to the room camera, an S-video high-end consumer quality camcorder. The presenter switched between video sources using the document camera's mechanical video switch.