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A document should be stabilized if it is believed to be substantially correct, does not contain harmful or misleading recommendations, may still be relevant to equipment or practices in use, is stable, but does not represent current technology, and need not be subject to future reviews.

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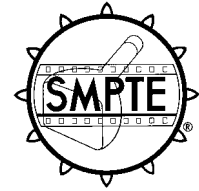
Stable documents may not adhere to the latest style and format of SMPTE documents, or to current usage of normative language. Suitable care should be taken in interpretation.

SMPTE RECOMMENDED PRACTICE

RP 107-1995

Revision of RP 107-1988

Video and Audio Reference Tape for 1-in Type B Helical-Scan Format



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1 Scope

This practice specifies a video and audio reference tape to be used with 1-in type B helical-scan video tape recorders as defined in ANSI/SMPTE 15M. It is to be used for:

indication of video frequency response characteristics for both main and sync channels of the reproducing system;

adjustment of gain of the video reproducing system;

comparison of carrier frequencies of the video recording system;

verification of level and phase of the control track recording system;

adjustment of the gain of the program audio reproducing system;

indication of the audio frequency response of the audio reproducing system;

comparison of the audio recording gain and frequency response characteristics of the audio recording system;

verification of levels and timings of time code information recorded on audio 3 record.

revision, and parties to agreements based on this practice are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below.

ANSI S4.6-1982 (R1992), Method of Measuring Recorded Flux of Magnetic Sound Records at Medium Wavelengths

ANSI/SMPTE 12M-1995, Television, Audio and Film — Time and Control Code

ANSI/SMPTE 17M-1992, Television Analog Recording — 1-in Type B Helical Scan — Frequency Response and Operating Level

ANSI/SMPTE 26M-1995, Video Recording — 1-in Helical-Scan Recorders — Raw Stock for Reference Tapes

ANSI/SMPTE 29M-1995, Television Analog Recording — 1-in Type B Reference Recorders — Basic System and Transport Geometry

ANSI/SMPTE 30M-1995, Television Analog Recording — 1-in Type B Reference Recorders — Records on Reference Tapes

EIA 189-A, Encoded Color Bar Signal

EIA Industrial Electronic Tentative Standard No. 1, Color Television Studio Picture Line Amplifier Output Drawing

IEEE 205-1958 (R1972), Method of Measurement of Television Luminance Signal Levels

NAB Standard for Magnetic Tape Recording and Reproducing (Reel-to-Reel)

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this practice. At the time of publication, the editions indicated were valid. All standards are subject to