

## Proposed Recommended Practice

A proposed revision of Recommended Practice *RP 5, Dimensions for Patch Splices in 2-in. Video Magnetic Tape*, is published here for a trial period and public review. Comments should be addressed to Alex E. Alden, Staff Engineer, at Society Headquarters prior to January 10, 1964. If no adverse criticism is received by that date, the proposal will be submitted to the SMPTE Board of Governors for final approval.

First issued in 1960, the Recommended Practice has been modified to reflect current usage of the 7.5 IPS speed for magnetic video tape recording. —A.E.A.

## Erratum

Proposed SMPTE Recommended Practice RP 16, published in the October, 1963, *Journal*, pp. 813–814, showed the position of the frame pulses incorrectly. In Fig. 1a, the pulse should have been positioned between the second and third video tracks after the track containing the vertical synchronizing pulse; Fig. 1b should have had the pulse positioned as the centerline of the fifth video track after the track containing the vertical synchronizing pulse.

# PROPOSED SMPTE RECOMMENDED PRACTICE RP 5 (Revision of RP 5-1960)

## Dimensions of Patch Splices in 2-In. Video Magnetic Tape

### Introduction

This Recommended Practice originated in the Video Tape Recording Committee as a Proposed American Standard. At the November 12, 1958, meeting of the Committee it was decided that industry needs could best be met in this instance by an SMPTE Recommended Practice which was subsequently published in the February 1960 *Journal*. The initiating committee revised the recommendation to include the slower tape speed of 7.5 ips.

### Recommendations

#### 1. Scope

1.1 This Recommended Practice specifies the dimensions and location of patch-type splices in magnetic video tape of 2-in. width. The recommendations are intended primarily for application in recording and reproducing studio practice.

#### 2. Location of the Splice

- 2.1 The angle of the cut with respect to the guided edge of the tape shall be as given in the diagram and table.
- 2.2 The cut shall be centered between two recorded video tracks and so located as to maintain continuity of video synchronizing pulse timing (Note 1).
- 2.3 The separation between the two cut edges after splicing shall not exceed 0.001 in. at any point along the cut.
- 2.4 The longitudinal distance between corresponding points on the recorded transverse video tracks immediately preceding and following the splice shall not depart from the average distance between successive tracks by more than  $\pm 0.0005$  in. (Note 1).

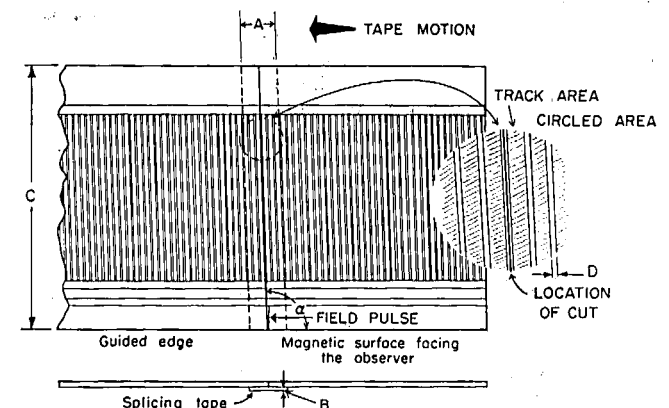
#### 3. Splicing Tape

3.1 The dimensions of the splicing tape shall be as given in the diagram and table.

#### 4. Characteristics of the Splice

- 4.1 The splicing tape on a finished splice shall not extend beyond the edges of the magnetic video tape.
- 4.2 The guided edge of the magnetic tape on the two sides of the splices shall lie on a common straight line when the tape surface is constrained to lie in a plane.

Note 1: Paragraphs 2.2 and 2.4 apply only to recorded tapes.



Note: Drawing not to scale

Dimensions*	Rate of Tape Travel	
	7.5 ips	15 ips
A Width of splicing tape	0.25 nom	0.25 nom
B Thickness of splicing tape	0.0007 max	0.0007 max
C Width of magnetic tape	2.0 nom	2.0 nom
D Distance between recorded tracks	0.0028 nom	0.0056 nom
α Angle of cut	90° 17' ± 3'	90° 33' ± 3'

\* All dimensions in inches except α.