

## Proposed SMPTE Recommended Practice

# Magnetic Coating of 16mm Magnetic-Photographic Sound Record

A Proposed SMPTE Recommended Practice, Magnetic Coating of 16mm Magnetic-Photographic Sound Record, is published here for a three month period of trial and criticism. All comments should be sent to Henry Kogel, Staff Engineer, prior to August 15, 1955. If no adverse comments are received, the proposal will then be submitted to the Society's Board of Governors for approval as an SMPTE Recommended Practice.

This proposal originated in the Magnetic Recording Subcommittee in April 1953 as a Proposed American Standard. It was revised several times in an attempt to overcome objections raised within the subcommittee. These objections were concerned with the width of the magnetic coating and its location, whether to place it on the inside half or the outside half of the photographic track. Agreement was finally reached on the question of coating width but there was a great deal of hesitancy on standardizing on one particular location, without a good deal more experience to justify one position over the other. However, lack of an industry-wide directive was also considered undesirable. To solve the dilemma, it was agreed to process the proposal in the interim period as an SMPTE Recommended Practice. Unanimity was achieved on this basis and the proposal published here was approved by the Magnetic Recording Subcommittee, Sound Committee and the Standards Committee.—H.K.

### 1. Scope

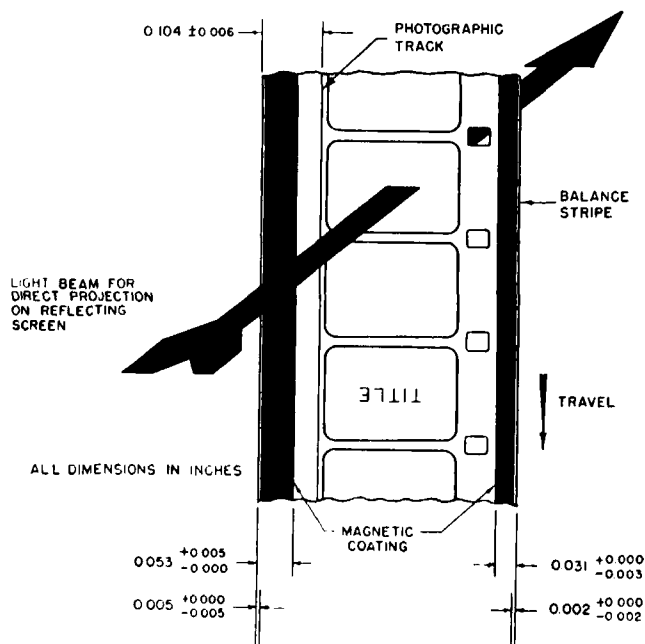
1.1 This Recommended Practice specifies the dimensions and location of the magnetic coating which is applied to 16mm prints containing picture and photographic sound for the purpose of employing both a magnetic sound and the existing photographic sound record.

### 2. Magnetic Coating

2.1 The dimensions and location of the magnetic coating is specified in the diagram below.

2.2 The magnetic coating shall be on the side of the film toward the lamp on a projector arranged for direct projection on a reflection type screen.

- NOTE: 1. This is not recommended for unilateral variable area track.
2. The balance stripe is optional.
3. It is essential that American Standard Z22.41-1946, or latest revision thereof, be followed in recording the photographic sound.



## motion-picture standards

On the following pages is published a new American Standard: PH22.99-1955, 35mm Magnetic Azimuth Alignment Test Film; and revisions of three existing standards: PH22.42-1955, 16mm Sound-Focusing Test Film; PH22.45-1955, 16mm 400-Cycle Signal-Level Test Film; PH22.57-1955, 16mm Buzz-Track Test Film.

These four standards and the history of their development were published in the February 1954 Journal. It should be noted that each of the standards as approved by the American Standards Association and published herein differ to a greater or lesser degree from the standards previously published for trial and comment.—H. K.