

# PROPOSED SMPTE RECOMMENDED PRACTICE

## Metadata Dictionary Registry of Metadata Element Descriptions

RP 210.4  
Proposed  
Revision of RP 210.2-2001

PROPOSED  
SMPTE RECOMMENDED PRACTICE

## Specifications for 3-Perforation Test and Alignment Film for 35-mm Motion Pictures

RP 216

Page 1 of 2 pages

### 1 Scope

This metadata dictionary contents practice defines a registry of metadata element descriptions for association with essence or other metadata. A full explanation is contained in SMPTE 335M.

The metadata dictionary structure defined in SMPTE 335M covers the use of metadata for all types of essence (video, audio, and data in their various forms). The standard specifies that any application must conform both to:

- (a) the definitions and formats in SMPTE 335M; and
- (b) this metadata dictionary contents practice.

The standard and this practice must be used together as a pair — neither must be used in isolation.

This practice contains a representation of the SMPTE metadata dictionary registry contents in the form of an excel spreadsheet, and other representations will be made available as specified in SMPTE 335M.

### 2 Normative references

SMPTE 298M-1997, Television — Universal Labels for Unique Identification of Digital Data  
SMPTE 335M-2001, Television — Metadata Dictionary Structure  
SMPTE 359M-2001, Television and Motion Pictures — Dynamic Documents

All other normative references are contained in the registry itself as part of each metadata element description.

### 3 Registry structure

The following is intended as an informative note only. A full explanation is contained in SMPTE 335M.

For convenience of the management of the registry, metadata elements are listed under the six distinct classes of identification: administration, interpretation, parametric, process, relational, and spatio-temporal. Two further classes are reserved for organizationally registered metadata and one for experimental use.

Copyright © 2002 by THE SOCIETY OF  
MOTION PICTURE AND TELEVISION ENGINEERS  
595 W. Hartsdale Ave., White Plains, NY 10607  
(914) 761-1100

Page 1 of 6 pages

### 1 Scope

This practice specifies the format, dimensions, and optical densities of a test and alignment chart for 3-perforation 35-mm motion-picture film. The image is designed for use as an operational alignment tool for telecine.

### 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 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.

SMPTE 59-1998, Motion-Picture Film (35-mm) — Camera Aperture Images and Usage

SMPTE 96M-1999, Television — 35- and 16-mm Motion-Picture Film — Scanned Image Area

ISO 5-2:1991, Photography — Density Measurements — Part 2: Geometric Conditions for Transmission Density

### 3 Purpose

This practice specifies a film image pattern designed to provide a television picture for aligning, adjusting, and checking basic setup parameters for transfer of 35-mm 3-perforation motion-picture film on a telecine or film scanner.

### 4 Description

A reproduction of the test pattern is shown in figure 1.

Figure 2 shows various attributes of the test chart. These are described below. All dimensions of the test chart are given as a percentage of picture height (see figure 3).

#### 4.1 Film stock

The pattern shall be produced on 35-mm camera original black-and-white film stock, utilizing short-pitch B&H perforations. The images shown in this practice are positive images.

#### 4.2 Film optical properties

##### 4.2.1 Density

All densities shall be measured in accordance with ISO 5-2.

##### 4.2.2 Black density

All black items and alphanumeric labels shall have a minimum density of at least 1.9 nominal.

##### 4.2.3 White density

All white items shall have a density no greater than 0.2 (nominally clear).

#### 4.3 Pattern and background

The dimensions of the test chart are given as a percentage of picture height and shall be reproduced with a tolerance of  $\pm 0.1\%$  of the frame height. The specific dimensions are given on the chart in figure 3.

The background density of the image shall be fixed to 0.8 nominal.

Copyright © 2002 by THE SOCIETY OF  
MOTION PICTURE AND TELEVISION ENGINEERS  
595 W. Hartsdale Ave., White Plains, NY 10607  
(914) 761-1100

THIS PROPOSAL IS PUBLISHED FOR COMMENT ONLY