

SMPTE STANDARD

ANSI/SMPTE 300-2002Reaffirmation and Redesignation
of ANSI/SMPTE 300-1997

for Motion-Picture Color Print Film (35-mm) — Manufacturer-Printed Latent Image Identification Information



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1 Scope

This standard specifies the position, dimensions, content, and exposure of human-readable, latent image information applied onto 35-mm color print film. This information is normally exposed onto the film at the time of manufacture.

This standard also specifies spectral densities and a film area which is not to be exposed by the film manufacturer, thus leaving it available for subsequent customer data recording such as sound track recording, etc.

2 Application

This standard applies to the latent image information applied on the edge of 35-mm color print film by the film manufacturer.

3 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

ANSI/SMPTE 139-1996, Motion-Picture Film (35-mm) — Perforated KS

4 General format

4.1 Format

The general format of the manufacturer's latent image identification information shall be as shown in figure 1. The film edge with the latent information shall be known as the printed edge.

4.2 Film

This identification information is intended to be printed onto film cut and perforated in accordance with ANSI/SMPTE 139.

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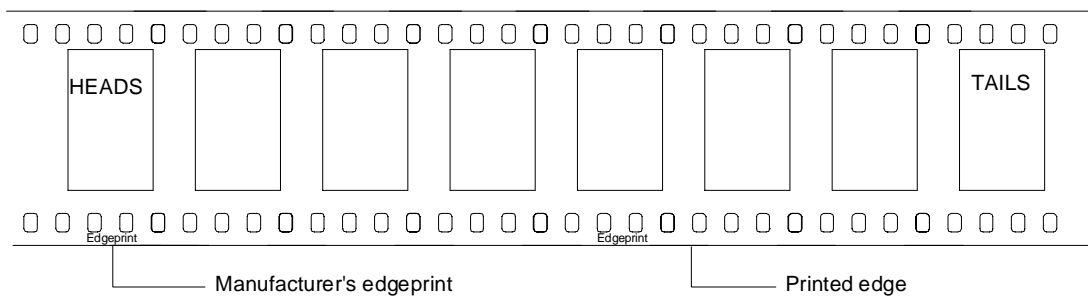


Figure 1 – General format

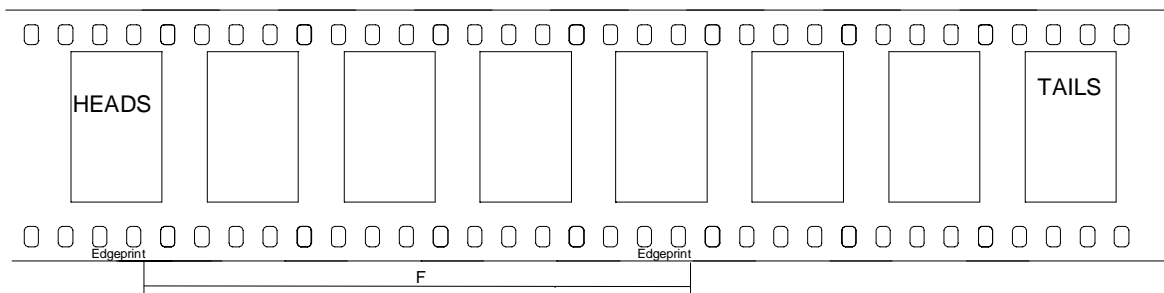


Figure 2 – Edgeprint repeat frequency

5 Human-readable edgeprint information

5.1 Information

At the discretion of the manufacturer, human-readable, latent image information may be printed onto the film at the time of manufacture.

5.2 Dimensions

The height and position of the latent image information shall be located in the margin between the edge of the film and the perforations on one edge of the film. The edge of the film with the edgeprint is designated the “printed edge” by the manufacturer.

5.3 Use of other margin areas

No latent image information shall be placed along the opposite edge of the film (nonprinted edge). This area and the area between the perforations are reserved for data recording in subsequent operations (i.e., sound tracks, time codes, etc.).

5.4 Content

The specific content of the information shall be at the discretion of the manufacturer. However, this information usually includes manufacturer information, film and batch number information, and other manufacturer data. The edgeprint may also include a control dot for print density control, approximately 0.05 in (1.2 mm) in diameter.

5.5 Repeat frequency

The repeat frequency of the edgeprint (figure 2) shall be at the discretion of the manufacturer. Typically, this repeat frequency is 36 in (914 mm) or less.

5.6 Exposure

5.6.1 The latent image information shall be applied such that the blue and/or green sensitive layers of the film are exposed. Exposure of the red sensitive layer is reserved for data recording in subsequent operations (i.e., sound tracks, time codes, etc.). The status A red density of the edgeprint after the film is processed through the manufacturer's recommended process shall not exceed $D_{\min} + 0.20$.

5.6.2 The density of the manufacturer's edgeprint shall be such that it is human-readable in ordinary room lighting.

5.7 Orientation

The edgeprint may be placed in one of several orientations at the discretion of the film manufacturer. When the film is held with the emulsion toward the viewer and the head toward the right, the edgeprint may be in any one of the following orientations:

- right side up, reading from head to tail;
- upside down, reading from head to tail;
- right side up, reading from tail to head;
- upside down, reading from tail to head.