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**Cinematography — Manufacturer-printed  
latent image identification information for  
35 mm motion-picture colour-print film —  
Specifications**

*Cinématographie — Information d'identification d'image latente, imprimée  
par le fabricant, sur film cinématographique impression couleur 35 mm —  
Spécifications*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 17332 was prepared by Technical Committee ISO/TC 36, *Cinematography*.

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# Cinematography — Manufacturer-printed latent image identification information for 35 mm motion-picture colour-print film — Specifications

## 1 Scope

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

This International 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 soundtrack recording, etc.

## 2 Application

This International Standard applies to the latent image information applied onto the edge of 35 mm colour-print film by the film manufacturer.

## 3 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 491:1995, *Cinematography — 35 mm motion-picture film and magnetic film — Cutting and perforating dimensions*.

## 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 ISO 491 with Type P perforations (print film).

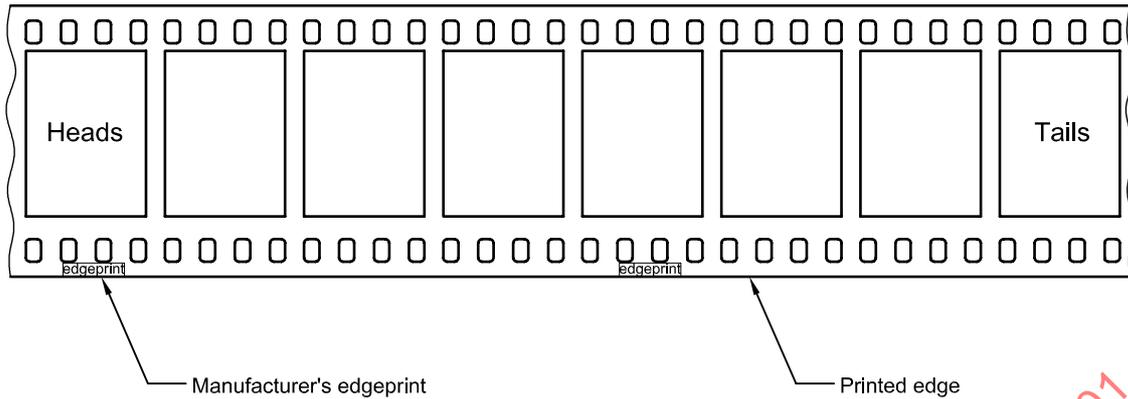


Figure 1 — General format

## 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 areas between the perforations are reserved for data recording in subsequent operations (i.e., soundtracks, time codes, etc.).

### 5.4 Content

The specific content of this information shall be at the discretion of the manufacturer, for example, film and batch number. The edgeprint may also include a control dot for print density control, approximately 1,2 mm (0,05 in) in diameter.

### 5.5 Repeat frequency

The repeat frequency ( $F$ ) of the edgeprint (see Figure 2) shall be at the discretion of the manufacturer. Typically, this repeat frequency is 914 mm (36 in) 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., soundtracks, 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  $D_{\min} + 0,20$ .