SMPTE STABLE DOCUMENT

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The SMPTE Operations Manual for Standards states:

> *A document should be stabilized if it is believed to be substantially correct, does not contain harmful or misleading recommendations, may still be relevant to equipment or practices in use, is stable, but does not represent current technology, and need not be subject to future reviews.*
>
> *A Stable document shall still be made available and offered for sale by the Society, but it shall be prefaced by a cover page explaining its current status.*
>
> *At any time, a Technology Committee may revise, amend, or otherwise initiate a new Project on a Stable document.*

A Stable document is "In Force", and not deprecated or withdrawn.

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Note:

SMPTE "Stable" documents were previously described as "Archived" and the attached document may be marked as "Archived". The status of a SMPTE document described as "Archived" is exactly as described above for a "Stable" document.

Stable documents may not adhere to the latest style and format of SMPTE documents, or to current usage of normative language. Suitable care should be taken in interpretation.

Reaffirmed 2009

REAFFIRMED 2002

RP 115-1997
Revision of RP 115-1983

SMPTE RECOMMENDED PRACTICE

Dimensions of Photographic Control and Data Record on 35-mm Motion-Picture Release Prints

1 Scope

This practice specifies the lateral location and dimensions of a photographic control and data record on 35-mm motion-picture release prints, the width scanned by the control and data reproducer, and the reproducer spectral sensitivity.

2 Data record

2.1 The dimensions and lateral location of the control and data record shall be as specified in the figure and table.

2.2 The recording and reproducing slit images shall be positioned at an angle of 90° ± 1° to the reference edge of the film.

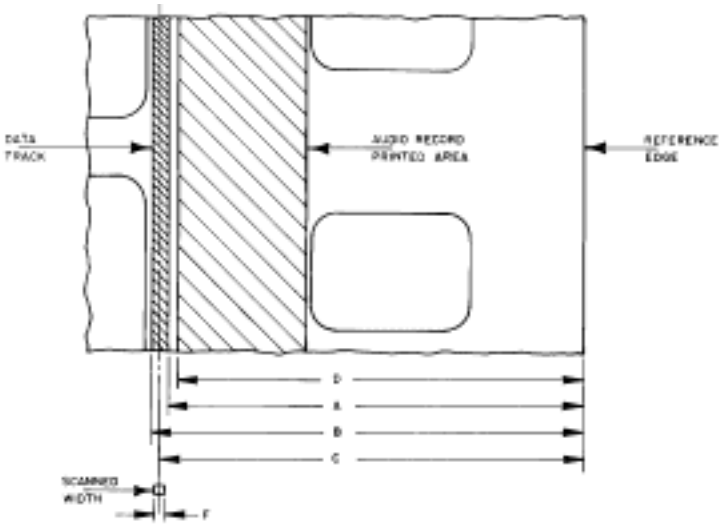

Figure 1 – Dimensions

Table 1 – Specifications

Dimensions	Inches	Millimeters
A	0.292 ± 0.001	7.42 ± 0.03
B	0.302 ± 0.001	7.67 ± 0.03
C	0.297 ± 0.001	7.54 ± 0.03
D	0.281 ref	7.14 ref
F	0.005 ± 0.001	0.13 ± 0.03

Approved January 22, 1997

3 Reproducer spectral sensitivity

The peak or maximum response of the combination of the control and data track reproducer, light source, filter, and receptor shall be at 550 nm + 130 nm – 0 nm. The integrated response of this combination to all wavelengths greater than 800 nm shall be less than 5% of the total integrated response measured from 400 nm to 800 nm.

Annex A (informative)
Explanatory note

A.1 The spectral response specified in clause 3 is intended to ensure that the control and data track will be adequately reproduced whether the track image is formed of dyes, silver, or dyes and silver. Restriction of the infrared response is necessary because the dyes used in conventional color motion-picture films do not absorb infrared light effectively. Since dirt and scratches on the film will absorb infrared light, restriction of the infrared response will improve the signal-to-noise ratio of the system.

A.2 Particular care must be taken with printer and projector alignment when printing and projecting motion-picture release prints containing control and data records to minimize the risk of the audio scanned area covering any part of the control and data record, or projecting the data track on the screen.