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# SMPTE STABLE DOCUMENT

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*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.*

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**A Stable document is “In Force”, and not deprecated or withdrawn.**

**\* \* \* \* \***

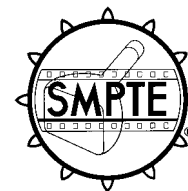
**Note:**

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**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.**

**SMPTE STANDARD****ANSI/SMPTE 48-1995**Revision of  
ANSI/SMPTE 48-1989

# for Motion-Picture Film (16-mm) — Picture and Sound Contact Printing — Printed Areas



Page 1 of 2 pages

**1 Scope**

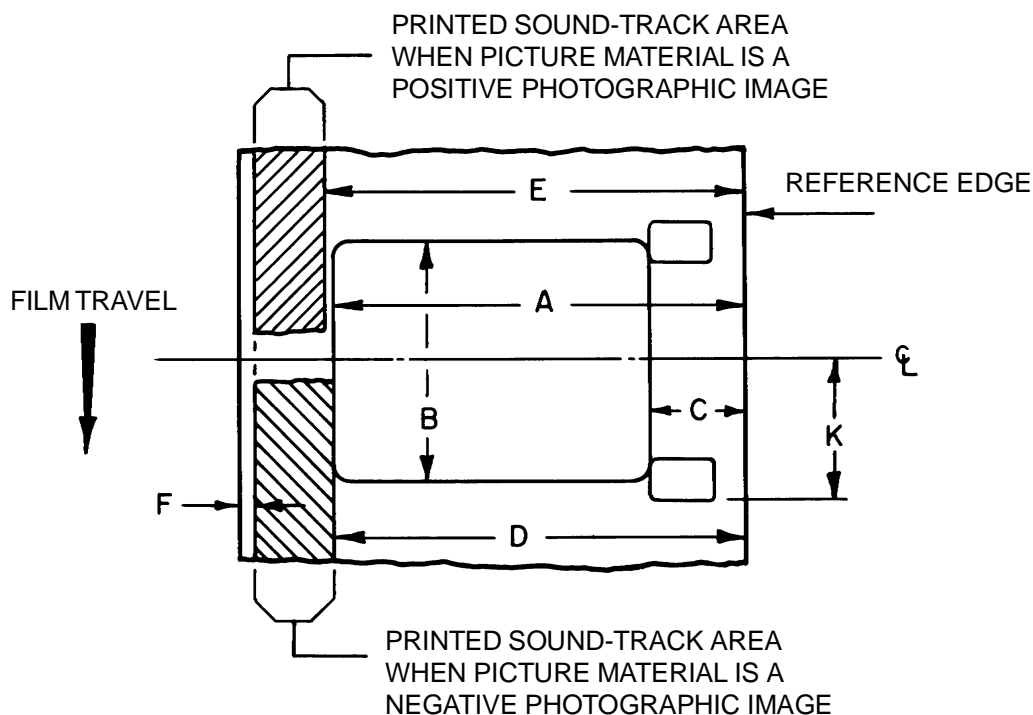
This standard specifies the location and size of the printed picture and photographic sound track areas for both negative/positive and reversal contact printing operations. An opaque line should appear between picture and sound in the finished print. The dimensions given for picture-printed area and for the two widths of sound-printed area provide for an overlap of picture- and sound-printed areas, or for a gap between them. The specific aperture to be used for printing sound will be chosen to provide the desired black line, as

dictated by the printing materials and processing conditions in use.

**2 Dimensions**

**2.1** The dimensions shall be as given in figure 1 and table 1.

**2.2** Dimension F is specified for prints which do not contain a control and data record. For prints which do, dimension F should be 0.005 in (0.13 mm) max.



**Figure 1 – Picture and sound track areas**

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**Table 1 – Specifications**

Dimensions	Inches	Millimeters
A <sup>1)</sup>	0.513 + 0.002	13.03 + 0.05
B for negative/positive <sup>2)</sup>	0.306 ± 0.002	7.77 ± 0.05
B for reversal	0.292 ± 0.002	7.42 ± 0.05
C	0.108 + 0.002	2.74 + 0.05
D for negative/positive	0.513 – 0.002	13.03 – 0.05
E for reversal <sup>1)</sup>	0.517 + 0.002	13.13 + 0.05
F <sup>3)</sup>	0.018 max	0.46 max
K <sup>2)</sup>	0.175 ± 0.002	4.44 ± 0.05
<sup>1)</sup> The processing technique may make it impossible to avoid a clear septum between picture and sound areas. The presence of such a clear septum shall not be cause for rejection of prints, so long as it remains between the minimum A dimension and the maximum E dimension. <sup>2)</sup> Dimensions B and K are applicable only to contact printing by the step process. <sup>3)</sup> See 2.2.		

**Annex A (informative)****Additional data****Explanatory note**

Although this standard applies to release prints for distribution and international exchange, it recognizes that dailies or

special prints may be made to accommodate special experimental formats; i.e., those wherein wider format original photography utilizes portions of the 16-mm film area generally used for sound track, perforations, etc.