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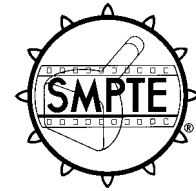
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SMPTE RECOMMENDED PRACTICE

RP 53-1993

Revision of RP 53-1983

Scene-Change Methods for Printing 35-mm, 16-mm and 8-mm Type S Motion-Picture Film



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1 Scope

1.1 This practice specifies the dimensions and location of a scene-change notch or cueing spot for actuating the printer light-change mechanism when printing 35-mm, 16-mm, and 8-mm type S motion-picture films. (See annex A.1 for a frame-count cueing method which is more commonly utilized.)

1.2 Although this practice specifies a notch or a cueing spot for actuating the printer light mechanism, at no time should a film contain both.

2 35-mm motion-picture film

2.1 Scene-change notch

2.1.1 The dimensions and location of the scene-change notch shall be as specified in figure 1 and table 1. (See annex A.2 for alternate method of forward and reverse printing.)

2.1.2 The scene notch centerline shall be 4.500 in (114.30 mm) after the scene change with respect to the direction of film travel through the printer.

2.1.3 For forward and backward printing, a second notch placed in accordance with figure 1 may be added to the opposite edge of the film, and (observing the change in the direction of travel) the centerline distance between the two notches shall be two times dimension A in table 1.

2.2 Scene-change cueing spot

2.2.1 The dimensions and location of the scene-change cueing spot shall be as specified in figure 2 and table 2. (See annex A.3 for alternate method of forward and reverse printing.)

2.2.2 The cueing spot shall be placed 5.97 in (151.6 mm) after the scene change with respect to the direction of film travel through the printer.

2.2.3 The cueing spot preferentially shall be placed on the emulsion side of the film.

2.2.4 The cueing spot shall consist of an adhesive-backed metallic foil (preferably rounded at all four corners).

2.2.5 For forward and backward printing, a second cueing spot placed in accordance with figure 2 may be added to the opposite edge of the film, and (observing the change in the direction of travel) the centerline distance between the two cueing spots shall be two times dimension A in table 2.

3 16-mm motion-picture film

3.1 Scene-change notch

3.1.1 The dimensions and location of the scene-change notch shall be as specified in figure 1 and table 1. (See annex A.2 for alternate method of forward and reverse printing.)

3.1.2 The scene notch centerline shall be centered on the 20th perforation after the scene change (5.99 in [152.1 mm]) with respect to the direction of film travel through the printer.

3.1.3 For forward and backward printing, a second notch placed in accordance with figure 1 may be added to the opposite edge of the film, and (observing the change in the direction of travel) the centerline distance between the two notches shall be two times dimension A in table 1.