

**ISO**

*Revised*

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION  
R 71**

**CINEMATOGRAPHY  
PHOTOGRAPHIC SOUND RECORD ON 16 mm PRINTS**

**1st EDITION —  
December 1958**

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## BRIEF HISTORY

The ISO Recommendation R 71, *Photographic Sound Record on 16 mm Prints*, was drawn up by Technical Committee ISO/TC 36, *Cinematography*, the Secretariat of which is held by the American Standards Association, Inc. (ASA).

In April 1948, the Technical Committee Secretariat proposed the study of the question, and that the American standard Z22.41-1946 be taken as a basis for discussion.

ISO/TC 36 considered the proposal at its first meeting, which was held in New York in June 1952. It entrusted the Secretariat with the drawing up of a draft proposal based on the American standard, taking into account certain improvements decided upon at the meeting.

The draft proposal was submitted in September 1954 to the members of the Technical Committee and adopted as a Draft ISO Recommendation, no objection having been raised.

In May 1955, the Draft ISO Recommendation was submitted to all the ISO Member Bodies, but Technical Committee ISO/TC 36 decided at its second meeting, held in Stockholm in June 1955, to introduce some improvements.

In March 1957, the Draft thus amended was submitted to all the ISO Member Bodies as a second Draft ISO Recommendation, and was approved by the following 19 (out of a total of 38) Member Bodies:

*Australia	*Ireland	Romania
Belgium	Italy	Spain
*Bulgaria	Japan	Sweden
Canada	*Mexico	Switzerland
*Denmark	*New Zealand	United Kingdom
*Greece	*Portugal	U.S.A.
*Hungary		

No Member Body opposed approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in December 1958, to accept it as an ISO RECOMMENDATION.

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\* These Member Bodies stated that they had no objection to the Draft being approved.

CINEMATOGRAPHY  
PHOTOGRAPHIC SOUND RECORD ON 16 mm PRINTS

1. SCOPE

1.1 This ISO Recommendation specifies the location and dimensions of variable area and variable density sound records for the photographic printing of sound on 16 mm motion-picture film perforated along one edge. Also specified is the area scanned in the sound reproducer.

2. DIMENSIONS

2.1 The dimensions are as specified in the figures and table.

2.2 The sound is displaced from the center of the corresponding picture by a distance of 26 frames  $\pm \frac{1}{2}$  frame in the direction of film travel during normal projection.

Dimension	Millimeters		Inches	
A	0.46	max.	0.018	max.
B	2.79	max.	0.110	max.
	2.49	min.	0.098	min.
C	1.52	+ 0.15	0.060	+ 0.006
		- 0.03		- 0.001
D	1.47	$\pm 0.05$	0.058	$\pm 0.002$
E	2.03	+ 0.10	0.080	+ 0.004
		- 0.03		- 0.001
F	1.47	$\pm 0.03$	0.058	$\pm 0.001$
G	1.83	max.	0.072	max.
	1.78	min.	0.070	min.

