

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 72

CINEMATOGRAPHY

SOUND RECORDS AND SCANNING AREA
OF 35 mm DOUBLE WIDTH PUSH-PULL SOUND PRINTS
NORMAL AND OFFSET CENTERLINE TYPES

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 72, *Sound Records and Scanning Area of 35 mm Double Width Push-Pull Sound Prints - Normal and Offset Centerline Types*, 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 1952, the Technical Committee Secretariat proposed the study of the question, and that the American standards Z22.69-1948 (normal centerline type) and Z22.70-1948 (offset centerline type) 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 each of the two American standards, taking into account certain improvements decided upon at the meeting.

The two draft proposals were submitted in September 1954 to the members of the Technical Committee and adopted as Draft ISO Recommendations, no objection having been raised.

In May 1955, the two Draft ISO Recommendations were 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 Drafts thus amended were submitted to all the ISO Member Bodies as second Draft ISO Recommendations and were approved by the following 21 (out of a total of 38) Member Bodies:

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

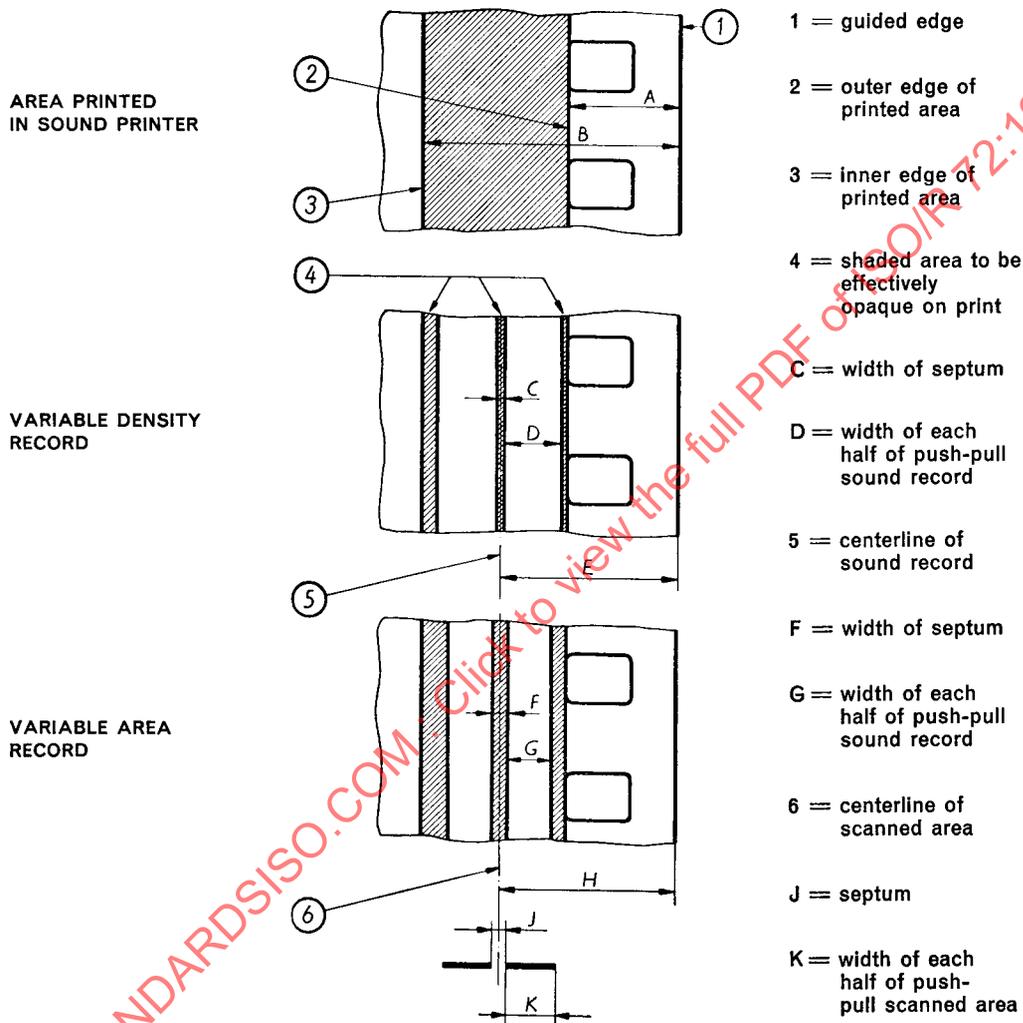
The French Member Body opposed approval of these Drafts.

The two Draft ISO Recommendations were then submitted by correspondence to the ISO Council, which decided, in December 1958, to accept them as ISO RECOMMENDATIONS. On the proposal of the General Secretariat, it was decided to group the two ISO Recommendations into one.

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

CINEMATOGRAPHY

**SOUND RECORDS AND SCANNING AREA
OF 35 mm DOUBLE WIDTH PUSH-PULL SOUND PRINTS
NORMAL AND OFFSET CENTERLINE TYPES**



Dimension	Normal centerline type		Offset centerline type	
	Millimeters	Inches	Millimeters	Inches
A	4.85 ± 0.05	0.191 ± 0.002	4.85 ± 0.05	0.191 ± 0.002
B	10.66 min.	0.420 min.	10.66 min.	0.420 min.
C	0.254 ± 0.038	0.0100 ± 0.0015	0.254 ± 0.038	0.0100 ± 0.0015
D	2.41 ± 0.05	0.095 ± 0.002	2.41 ± 0.05	0.095 ± 0.002
E	7.44 ± 0.05	0.293 ± 0.002	7.98 ± 0.05	0.314 ± 0.002
F	0.61 ± 0.03	0.024 ± 0.001	0.61 ± 0.03	0.024 ± 0.001
G	1.93 ± 0.03	0.076 ± 0.001	1.93 ± 0.03	0.076 ± 0.001
H	7.44 ± 0.03	0.293 ± 0.001	7.98 ± 0.03	0.314 ± 0.001
J	0.41 ± 0.03	0.016 ± 0.001	0.41 ± 0.03	0.016 ± 0.001
K	2.13 ± 0.05	0.084 ± 0.002	2.13 ± 0.05	0.084 ± 0.002