

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 1189**

CINEMATOGRAPHY

**RECORDED CHARACTERISTIC FOR MAGNETIC SOUND RECORDS
ON 35 mm PERFORATED FILM**

1st EDITION

April 1971

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 1189, *Cinematography – Recorded characteristic for magnetic sound records on 35 mm perforated film*, was drawn up by Technical Committee ISO/TC 36, *Cinematography*, the Secretariat of which is held by the American National Standards Institute (ANSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 645, which was circulated to all the ISO Member Bodies for enquiry in January 1964. This Draft was then modified in accordance with the comments received, and a second Draft ISO Recommendation No. 645 was circulated to all the ISO Member Bodies for enquiry in September 1965. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	France	Romania
Belgium	Germany	Sweden
Brazil	Hungary	Switzerland
Czechoslovakia	Israel	United Kingdom
Canada	Italy	U.S.S.R.
Chile	New Zealand	
Denmark	Poland	

The following Member Body opposed the approval of the second Draft :

Netherlands

This second Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

CINEMATOGRAPHY

RECORDED CHARACTERISTIC FOR MAGNETIC SOUND RECORDS ON 35 mm PERFORATED FILM

1. SCOPE

This ISO Recommendation specifies the recorded characteristic for magnetic sound records on 35 mm magnetic film and 35 mm motion-picture film with magnetic striping when used at the nominal speed of 24 frames (18 in or 45.6 cm) per second or 25 frames (18.7 in or 47.5 cm) per second.

NOTE. — This ISO Recommendation and relevant portions of Recommendation No. 265-2 of the CCIR have substantially the same technical content.

2. RECORDED CHARACTERISTIC

- 2.1 With constant electromotive force applied to the input of the recording chain, the curve of recorded surface induction versus frequency should rise with increasing frequency in conformity with the admittance of a series combination of a capacitance and resistance having a time constant of 35 μ s.
- 2.2 The corresponding reproducing characteristic is that which gives a flat response when reproducing a sound track recorded with the relative surface induction levels stated in clause 2.1.

3. TOLERANCES

Magnetic sound records on 35 mm films should be recorded to the characteristic specified in clause 2.1 within the tolerances given in the Figure on the next page.