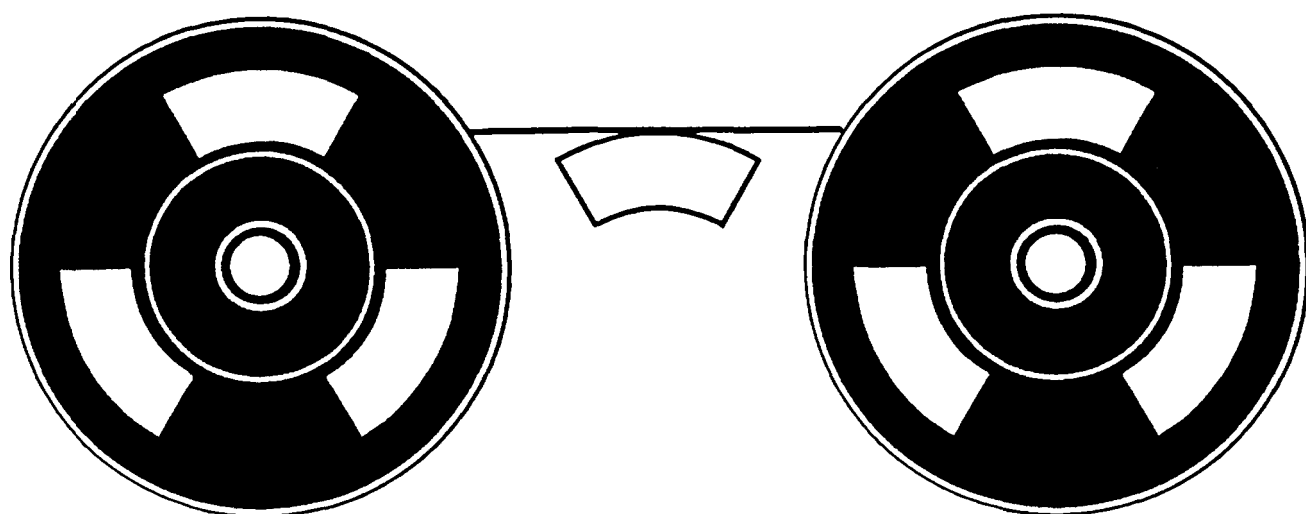




INTERNATIONAL TELECOMMUNICATION UNION

1992 - CCIR RECOMMENDATIONS

(New and revised as of 15 September 1992)



RBR SERIES

SOUND AND TELEVISION RECORDING



INTERNATIONAL RADIO CONSULTATIVE COMMITTEE

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Recommendation 781 (1992)

HDTV telecine colour balance for film programmes

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RECOMMENDATION 781

HDTV TELECINE COLOUR BALANCE FOR FILM PROGRAMMES

(Question 113/11)

(1992)

The CCIR,

considering

- a) that Recommendation 709 recommends D_{65} as the reference white point for the HDTV studio and for programme exchange;
- b) that the programmes originally available on colour film will also be exchanged in the form of telecine transfers to HDTV tape;
- c) that it may be necessary to re-adjust the colour balance of programmes on colour film since it tends to change with age, especially in non-optimal storage conditions;
- d) that irrespective of such changes with ageing, it may be desirable to correct the colour balance of a programme on film, to match the colour balance of other programmes adjacent to it in the broadcast schedule;
- e) that telecines are sometimes used as post-production tools, to adjust film colour for creative reasons, and full flexibility in colour adjustment is required for this application,

recommends

1. that the colour balance of HDTV telecines should be aligned to provide equi-level primary signals when scanning a white area on film that is balanced for a D_{65} illuminant;
 2. that, when scanning faded or poorly balanced films, the colour balance should be adjusted to provide equi-level primary signals on those areas of the film that are deemed to have been intended to approximate white point D_{65} ; such colour adjustment should preferably be performed on each reel of the film or on each sequence in some extreme cases such as the case of films spliced together from various sources;
 3. that HDTV telecines should optionally be capable of a wide range of colour adjustments, in order that they may also be used in a flexible way as creative post-production tools.
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