

RECOMMENDATION ITU-R BR.781-1*

HDTV TELECINE COLOUR BALANCE FOR FILM PROGRAMMES

(Question ITU-R 113/11)

(1992-1994)

The ITU Radiocommunication Assembly,

considering

- a) that Recommendation ITU-R BT.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 different levels of neutral areas on film;
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 be neutral; such colour adjustments may have to be performed on a scene-to-scene basis;
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.

* This Recommendation should be brought to the attention of the International Organization for Standardization (ISO).