
**Information technology — JPEG 2000
image coding system: Core coding
system**

**AMENDMENT 3: Profiles for broadcast
applications**

*Technologies de l'information — Système de codage d'images JPEG
2000: Système de codage de noyau*

AMENDEMENT 3: Profils pour applications de diffusion



Reference number
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Foreword

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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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INTERNATIONAL STANDARD
RECOMMENDATION ITU-T

Information technology – JPEG 2000 image coding system:
Core coding system

Amendment 3

Profiles for broadcast applications

1) Subclause 2.2

Add the following normative references to subclause 2.2:

- ISO 11664-1:2007 (CIE S 014-1/E:2006), *Colorimetry – Part 1: CIE standard colorimetric observers*.
- ISO 26428-1:2008, *Digital cinema (D-cinema) distribution master – Part 1: Image characteristics*.
- Recommendation ITU-R BT.601-6 (2007), *Studio encoding parameters of digital television for standard 4:3 and wide screen 16:9 aspect ratios*.
- Recommendation ITU-R BT.709-5 (2002), *Parameter values for the HDTV standards for production and international programme exchange*.

2) Clause 3

Add the following definitions to clause 3, and adjust the numbering of the other definitions as necessary:

access unit: A coded representation of one video frame.

instantaneous bit rate: For each frame, corresponds to the size of the contiguous codestream for the frame in bits multiplied by the frame rate.

3) Table A.10

Add the following rows to Table A.10 (prior to the line specifying that other values are reserved):

0000	0001	0000	0001	Broadcast Contribution Single Tile Profile Level 1
0000	0001	0000	0010	Broadcast Contribution Single Tile Profile Level 2
0000	0001	0000	0011	Broadcast Contribution Single Tile Profile Level 3
0000	0001	0000	0100	Broadcast Contribution Single Tile Profile Level 4
0000	0001	0000	0101	Broadcast Contribution Single Tile Profile Level 5
0000	0010	0000	0101	Broadcast Contribution Multi-tile Profile Level 5
0000	0011	0000	0110	Broadcast Contribution Multi-tile Reversible Profile Level 6
0000	0011	0000	0111	Broadcast Contribution Multi-tile Reversible Profile Level 7