

**INTERNATIONAL
STANDARD**

**ISO/IEC
15444-16**

First edition
2019-09

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

Part 16:

**Encapsulation of JPEG 2000 Images
into ISO/IEC 23008-12**

Withheld



Reference number
ISO/IEC 15444-16:2019(E)

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Published in Switzerland

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This document was prepared by ITU-T as ITU-T T.815 (06/2019) and drafted in accordance with its editorial rules. It was assigned to Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

A list of all parts in the ISO/IEC 15444 series can be found on the ISO website.

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**INTERNATIONAL STANDARD ISO/IEC 15444-16
RECOMMENDATION ITU-T T.815****Information technology – JPEG 2000 image coding system –
Encapsulation of JPEG 2000 images into ISO/IEC 23008-12****Summary**

ISO/IEC 23008-12 specifies a framework for the interchange of images and image sequences using tools defined in the International Organization for Standardization (ISO) base media file format (ISO/IEC 14496-12), which is commonly used worldwide. This framework is defined independently of the formats of the images and image sequences, allowing a wide range of such formats to be used in combination with ISO/IEC 23008-12.

To simplify the use of the JPEG 2000 family of image formats (Rec. ITU-T T.8xx series | ISO/IEC 15444) in applications that use the ISO base media file format, this Recommendation | International Standard specifies the encapsulation of these image formats in the framework defined in ISO/IEC 23008-12.

Recommendation ITU-T T.815 (2019) is a common text with ISO/IEC 15444-16:2019, both in their first edition.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T T.815	2019-06-13	16	11.1002/1000/11830

Keywords

Images, ISO base media file format, JPEG 2000.

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

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**INTERNATIONAL STANDARD
ITU-T RECOMMENDATION****Information technology – JPEG 2000 image coding system –
Encapsulation of JPEG 2000 images into ISO/IEC 23008-12****1 Scope**

This Recommendation | International Standard specifies the encapsulation of image formats specified in the JPEG 2000 family of Recommendations | International Standards in the framework defined in ISO/IEC 23008-12.

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. At the time of publication, the editions indicated in dated references were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.

2.1 Identical Recommendations | International Standards

- Recommendation ITU-T T.800 (latest) | ISO/IEC 15444-1: (latest), *Information technology – JPEG 2000 image coding system – Core coding system*.
- Recommendation ITU-T T.802 (latest) | ISO/IEC 15444-3: (latest), *Information technology – JPEG 2000 image coding system – Motion JPEG 2000*.

2.2 Paired Recommendations | International Standards equivalent in technical content

None.

2.3 Additional references

- ISO/IEC 23008-12:2017, *Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 12: Image file format*.