ISO/IEC 15444-6:2013-07 (E)

Information technology - JPEG 2000 image coding system - Part 6: Compound image file format

Contents

Page

Reference number INTERNATIONAL STANDARD 15444-6 Second edition 2013-07-15 Information technology -- JPEG 2000 image coding system -- Part 6: Compound image file format Technologies de l'information -- Système de codage d'images JPEG 2000 -- Partie 6: Format de fichier d'image de composant COPYRIGHT PROTECTED DOCUMENT means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester. ISO copyright office Case postale 56 CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org Published in Switzerland Rec. ITU-T T.805 (01/2012) iii CONTENTS 1 Scope 1

2 Normative references 1
2.1 Identical Recommendations ..... International Standards|1
2.2 ITU, IEC and ISO references 2
2.3 Additional references 2

3 Definitions 3

4 Abbreviations 4

5 General arrangement 4
5.1 Mixed raster content model 5
5.2 File elements and structure 6
5.3 Hidden text metadata 14
5.4 JPM use scenarios 15

Annex A - Compound image file structure 18

A.1 File identification 18
A.2 File organization 18
A.3 Box definition 20
A.4 Boxes used in a compound image file 20

Annex B - Box definitions 23

B.1 File level boxes 23
B.2 Page level boxes 29
B.3 Layout object level boxes 31
B.4 Object level boxes 33
B.5 JP2 codestream element boxes 36
B.6 General/common boxes 37

Annex C - Metadata 49

C.1 Adding intellectual property rights information in JPM 49
C.2 Adding vendor specific information to the JPM file format 49

Annex D - Profiles 50

D.1 JPM profiles 50
D.2 Decompression profiles 51

Annex E 52

Annex F - Hidden text and annotations storage 53

F.1 Storage of HTX in JPM 53
F.2 Compression of HTX 53

Annex G - Hidden text and annotations types and elements 54

G.1 Overview 54
G.2 Types 55
G.3 Common attributes 56
G.4 Elements 58

Annex H - Hidden text and annotations schema 69

H.1 XML schema 69

Annex I - Hidden text and annotations examples 70

I.1 Example 1 70
I.2 Example 2 72
I.3 Example 3 72

iv Rec. ITU-T T.805 (01/2012) Annex J - Guidelines for constructing URLs for JPM files 90

J.1 Pages and layout objects 90
J.2 Metadata boxes 90
J.3 Labels 90
J.4 Page collections 91
J.5 Page thumbnails 91
J.6 Document thumbnail 91
J.7 Byte ranges 91