



Information technology — Computer graphics and image processing — Image Processing and Interchange (IPI) — Functional specification —

Part 2:

Programmer's imaging kernel system application program interface

TECHNICAL CORRIGENDUM 1

*Technologies de l'information — Infographie et traitement de l'image — Traitement de l'image et échange (IPI) —
Spécification fonctionnelle —*

Partie 2: Interface de programme d'application PIKS

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO/IEC 12087-2:1994 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

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Add the following note below Table 9:

For the Foundation profile, support 2 image resampling is limited to bilinear interpolation.

Page 90

Update the accumulator error codes: add 15; delete 12, 14, 24 and 44.

Page 98

Update the `allocate_composite_identifier_array` error codes: delete 12 and 14.

Page 99

Update the allocate_composite_identifier_list error codes: delete 12 and 14.

Page 104

Update the allocate_histogram error codes: delete 12 and 14.

Page 108

Update the allocate_image error codes: add 4, 16, 22, 42, 61 (for profiles < Scientific) and 101.

Page 110

Update the allocate_lut error codes: delete 12 and 14.

Page 112

Update the allocate_matrix error codes: add 101; delete 12, 14, 111 and 112.

Page 113

Replace remark with:

Remarks:

1. The array_size tuple contains parameters of the ND data type
2. The key_pixel tuple contains parameters of the SD data type
3. The scale factor shall be unity for BD, ND, RD and CD data type arrays
4. For SD data type arrays, the scale factor shall be used by implementations as an indirect means of specifying arrays with fractional elements. For example, in an implementation, an image could be convolved with an SD impulse response function array, and then be divided by the scale factor to achieve the equivalent of convolution with a fractional impulse response function array.

Page 114

Update the allocate_neighbourhood_array error codes: add 16, 22 and 42.

Page 116

Update the allocate_pixel_record error codes: add 16, 22 and 42.

Page 118

Update the allocate_roi error codes: add 1, 2, 3, 16, 22 and 42.

Page 120

Update the allocate_static_array error codes: add 16, 22 and 42.

Page 122

Update the allocate_tuple error codes: delete 12 and 14.