

## Exiv2 - Bug #800

### Missing Photoshop IRB types (8BIM, PHUT, DCSR, AgHg)

13 Jan 2012 04:32 - Michael Ulbrich

<b>Status:</b>	Closed	<b>Start date:</b>	13 Jan 2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Michael Ulbrich	<b>% Done:</b>	100%
<b>Category:</b>	image format	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.23		

#### Description

The assumption that image resource blocks (IRB) in JPEG (APP13) and PSD images always start with type designator "8BIM" is wrong. An image with a valid IRB introduced by type designator "AgHg" was found. Writing metadata to such an image leads to error message "Input data does not contain a valid image" in case of JPEG and "This does not look like a Photoshop image" for PSD images. This finding was verified against exiftool sources, which in addition to the common "8BIM" list "PHUT", "DCSR" and "AgHg" as IRB type designators that have been found in rare cases.

A patch and appropriate test cases will be provided and committed ASAP.

#### Associated revisions

##### Revision 2646 - 13 Jan 2012 07:32 - Volker Grabsch

#800: Added and unified support for multiple IRB types (8BIM, AgHg, DCSR, PHUT) in JPEG and PSD images

##### Revision 2650 - 16 Jan 2012 05:56 - Volker Grabsch

#800: Restore binary compatibility

#### History

##### #1 - 13 Jan 2012 07:36 - Volker Grabsch

- Status changed from New to Resolved

- % Done changed from 0 to 100

I just committed r2646 which fixes this issue. The patch is a collective effort of Michael and me.

##### #2 - 13 Jan 2012 20:47 - Andreas Huggel

Thanks, Michael and Volker for a very complete fix! Especially for also updating the tests. Only issue I have with the change is that it breaks the binary compatibility of the upcoming release. What if we keep `bimId_[]` in `jpgimage.hpp` for the time being and just mark it as obsolete?

##### #3 - 16 Jan 2012 05:56 - Volker Grabsch

Agreed. In r2650 I restored binary compatibility.

I didn't find any special conventions about marking things as deprecated in Exiv2, so I just added "deprecated" to the comments. Please check if that fits into the project coding style.

**#4 - 17 Jan 2012 06:55 - Andreas Huggel**

Thanks! There is no convention for this process yet, the comments are fine.

**#5 - 03 May 2012 17:14 - Andreas Huggel**

*- Status changed from Resolved to Closed*