



<p>ISO/IEC JTC 1/SC 29/WG 1 (ITU-T SG8)</p> <p>Coding of Still Pictures</p> <table><tr><td style="text-align: center;"><p>JBIG Joint Bi-level Image Experts Group</p></td><td style="text-align: center;"><p>JPEG Joint Photographic Experts Group</p></td></tr></table>		<p>JBIG Joint Bi-level Image Experts Group</p>	<p>JPEG Joint Photographic Experts Group</p>
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**INTERNATIONAL ORGANISATION FOR STANDARDISATION
ORGANISATION INTERNATIONALE DE NORMALISATION
ISO/IEC JTC1/SC29/WG1
CODING OF STILL PICTURES**

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Press Release

For immediate release

Contact Louis Sharpe (pr@jpeg.org)
San Francisco, April 24, 2009

**JPEG XR enters FDIS status,
JPEG File Interchange Format (JFIF) to be standardized as JPEG Part 5**

The Joint Photographic Experts Group (JPEG) is a Working Group of ISO/IEC, the International Organisation for Standardization / International Electrotechnical Commission, (ISO/IEC JTC 1/SC 29/WG 1) and of the International Telecommunication Union (ITU-T SG16), responsible for the popular JPEG, JPEG 2000 and more recently, the JPSearch, JPEG XR families of imaging standards. The WG1 group meets nominally three times a year, in Europe, North America and Asia. The latest meeting was held on April 20 – 24, 2009, in Maui, Hawaii, USA, hosted by the US National Body.

In JPEG XR (ISO/IEC 29199), the Committee achieved substantial progress on the JPEG XR image coding system specifications by moving forward to final committee draft (FCD) ballot for a JPEG XR conformance testing suite (ISO/IEC 29199-4) and JPEG XR reference software (ISO/IEC 29199-5). These draft specifications, which will be made publicly available in June 2009 on the www.jpeg.org web site, will greatly aid the development of products supporting JPEG XR image coding. Development of a motion JPEG XR standard for moving images encoded by JPEG XR (ISO/IEC 29199-3) is also under way. The Motion JPEG XR specification is currently undergoing the committee draft (CD) ballot phase of the ISO/IEC approval process. The JPEG XR (29199-2) specification, is in its final draft international standard (FDIS) balloting period in ISO/IEC and has achieved final approval in ITU-T partner standardization organization. In ITU-T, the JPEG XR image coding specification is now formally designated as ITU-T Recommendation T.832.

The popular JPEG File Interchange Format (JFIF), which has been the de-facto file format for images encoded by the original JPEG encoding standard, (ISO/IEC 10918-1 | ITU-T T.81) has not been part of the original ISO standard. At this meeting, the JPEG Committee formally established an Ad Hoc Group to standardize JFIF. It will be designated as JPEG Part 5 (10918-5), and will provide an opportunity to include new developments relating to image metadata such as JPSearch metadata into the JFIF file format. The formal work will start at the next (49th) WG1 Meeting in Sardinia, July 13 – 17, 2009.

In JPSearch (ISO/IEC 24800, Still Image Search), the Part 2 Committee Draft – “Registration, Identification, and Management of Schema and Ontology” has been released. The notable achievement of this version is that a set of elements for JPSearch core metadata has been defined. The mechanism for registration, identification, and management of various metadata schemas is defined to ensure the interoperability among users of various different metadata specifications for their images. In addition, a new part, JPSearch Part 6 – Reference Software has been proposed to provide reference software for JPSearch.

The Digital Cinema (DC) ad hoc group has been very successful in seeing its work adopted by the industry which is continuing the deployment of Digital Cinema systems. The broadcast application group has progressed the new broadcast profiles. Comments and requirements are welcome and can be sent to JPEG Committee after registering at broadcast-subscribe@jpeg.org.

At the meeting, the Advance Image Coding and Evaluation Methodologies (AIC), JPEG committee received a number of contributions regarding subjective evaluation of JPEG, JPEG XR and JPEG 2000 coding standards, and based on these results issued guidelines and a Call for Contributions for subjective evaluation methodologies and compression technologies. The committee looks forward to further subjective evaluation results to be submitted from experts and interested parties at the next JPEG meeting in Sardinia.

The following presentations were made at plenary sessions:

- “Accurate Identifying Method of JPEG2000 Images for Digital Cinema, “ and “Proposal of Multicast Transmission of Packetized JPG2000 Codestreams,” both by Dr. Takahiro Fukuhara, Sony Corporation.
- “JPEG – Still photography brought to life,” by Dr. Daniel Lee, eBay.

“We are glad to see that JPEG XR has received final approval by ITU-T as Recommendation T.832. We are very excited about the opportunity to standardize the popular JFIF format as JPEG Part 5, and the opportunity to include new developments in image metadata such as JPSearch metadata into the format which will help the advancement of image search,” said Dr. Daniel Lee of eBay, Convener of the JPEG committee.

The JPEG web site (<http://www.jpeg.org>) has sponsorship opportunities for all companies involved in developments around JPEG. The marketing departments of interested companies should contact the webmaster, Richard Clark (webmaster@jpeg.org), for this high-traffic site.

The next (49th) WG 1 Meeting will be held in Sardinia, Italy, hosted by the Italian National Body, July 13 – 17, 2009.

More information about JPEG and its work is available at www.jpeg.org or by contacting Lou Sharpe, the JPEG PR Chair at pr@jpeg.org.

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