

ISO/IEC JTC1/SC29/WG1
(ITU-T SG8)

Coding of Still Pictures

JBIG

Joint Bi-level Image
Experts Group

JPEG

Joint Photographic
Experts Group

TITLE: JPEG 2000 Press Release - Rochester

SOURCE: MJP2 AHG

PROJECT: JPEG 2000 Part 1 & 3

STATUS: Information

REQUESTED

ACTION: Dissemination through National Bodies and press contacts

DISTRIBUTION: WG1 delegates, WG1 website and reflectors

Contact:

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Press Release

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Rochester, 18 August 2000

For immediate release

JPEG 2000 Standardization Moving Quickly
JPEG 2000 Part 1 Final Draft International Standard released;
Motion JPEG 2000 Working Draft 2.0 created and
Reference Software now available

Rochester, NY USA – 18 August 2000 – Experts from the ISO working group, designated as ISO/IEC JTC1 SC29 /WG 1 and better known as JPEG, announced today that the standardization of JPEG 2000 Part 1 has reached Final Draft International Standard status (FDIS). Concurrently, Motion JPEG 2000 reached the important stage of Working Draft 2.0, the Verification Model 3.0 and Reference Software are now available to WG 1 experts involved in the development of the Standard. Motion JPEG 2000 (MJP2) is on schedule to become an International Standard in November of 2001.

Dr. Daniel Lee, the WG 1 convener, noted that “the release of the FDIS is the culmination of years of very hard work by WG 1 experts and signals that implementations can be expected shortly”. Dr. Lee pointed out that Motion JPEG 2000 is advancing quickly. “MJP2 will be used in many different areas: in applications where it is desired to have a single codec for both still pictures and motion sequences -a common feature of digital still cameras-, also for very high quality motion pictures –medical imaging and motion picture production- and for video in error prone environments, such as wireless and the Internet.”

Dr. Lee also noted that “the technical experts working on the Motion JPEG 2000 standard will be creating the Committee Draft of the proposed International Standard at the next WG 1 meeting in December”. This is an important stage in the development of the standard. The Committee Draft represents the WG 1 experts proposed technical recommendations and the draft of the proposed International Standard. Dr. Lee also noted that “at this stage it is important for parties interested in implementing or utilizing the proposed Standard become involved to address requirements for intended applications.”

Motion JPEG 2000 is a Standard for image sequences that leverages the powerful wavelet based JPEG 2000 Part 1 standard. The Standard will allow one or more JPEG 2000 compressed image sequences, synchronized audio and metadata to be stored in the Motion JPEG 2000 file format (MJ2). In order to facilitate interoperability between other SC 29 standards – JPEG 2000 and MPEG – Motion JPEG 2000 is targeting compatibility with the JPEG 2000 file format (JP2) and the MPEG-4 file format (MP4). In addition, Motion JPEG 2000 will allow support for both lossless and lossy compression in a single codec.

ISO/IEC JTC1 SC 29 WG 1 is the international standardization organization established to develop standards for image compression. The next meeting of WG1 will be in New Orleans, LA, USA, 4-8 December 2000. For additional information, please contact Bernard Brower, (Bernard.Brower@kodak.com), PR Chair or Eric Edwards, (Eric.Edwards@am.sony.com), Motion JPEG 2000 AHG Chair. Information on JPEG 2000 can be found at www.jpeg.org.