

JPEG Standards Activities

- n **JPEG Standard**
- n **JBIG Standard**
- n **JPEG/LS Standard**
- n **JPEG 2000**
 - **Part 1**
 - **Part 2**
 - **Part 6**
 - **Part 7**

JPEG Standard

- n **Discrete Cosine Transform Algorithm(DCT)**
- n **Lossy Compression**
- n **Entropy Encoder using Huffman Algorithm**
- n **JPEG File Format**

JBIG Standard

- n **JPEG-based lossless standard for bi-level graphic images and text**
- n **Arithmetic Coding**
- n **Grey-scale and color-based**
- n **Limited number of bits per pixel**
- n **High compression used for transmission**
- n **Similar to Group 3 & Group 4 fax**

JPEG/LS Standard

- n **Uses JPEG file format**

- n **Entropy encoding produces lossless compression**
- n **Does not employ the DCT**

JPEG 2000 Activities

- n **Based on Wavelet Transform Algorithm**
- n **Flexible bit rates**
- n **Robust file format**

MPEG & JPEG

Data Management System

- n **NIST hosted online web site**
- n **FTP upload & download**
- n **Document Registration**
- n **Password Control**
- n **Search & Retrieval Capabilities**