

PROPOSED wording:

Field 14.011: Compression algorithm (CGA) (Duplicated for 15.011 and 19.011)

This mandatory ASCII field shall specify the algorithm used to compress the transmitted grayscale images.

This field shall contain the code from Table X to indicate the compression method used for this record type; note an entry of "NONE" in this field indicates that the data contained in this record is uncompressed.

For those images that are to be compressed using a lossy algorithm, WSQ shall be used for images transmitted at 500 ppi; JPEG 2000 shall be used for images transmitted at 1000 ppi.

Use of JPEG 10918 (Lossy) is deprecated for any new implementations.

See Section 5.6.1. and the *Profile for 1000 ppi Fingerprint Compression* for additional information on the usage of JPEG 2000 for the compression of fingerprint images.

The domain registrar maintains a registry of acceptable compression techniques and corresponding codes that may be used as they become available.

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For those images that are to be compressed, this field shall contain the code from Table X to indicate the compression method used for this record type.

The preferred methods for the compression of fingerprint images are WSQ for those images scanned or transmitted at 500 ppi or JPEG 2000 for those images scanned and transmitted at 1000 ppi.

Use of JPEG 2000 (Lossy) for 500ppi images is not allowed. Use of WSQ for 1000ppi images is not allowed. Use of JPEG 10918 (Lossy) is deprecated for any new implementations.

See Section 5.6.1 and the *Profile for 1000 ppi Fingerprint Compression* for additional information on the usage of JPEG 2000 for the compression of fingerprint images.

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