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Standard**

ISO/IEC 19566-10

**Information technology — JPEG
Systems —**

**Part 10:
Reference software**

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Foreword

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Introduction

The JPEG Universal Metadata Box Format (JUMBF) provides a mechanism to embed and refer generic metadata in JPEG files. Specific content types can be assigned to identify the specific type of the embedded metadata.

This document describes a reference software implementation that handles JUMBF data according to the Content Types specified in ISO/IEC 19566-5. Initially, the JUMBF reference dataset is presented, consisting of standalone JUMBF files as well as JPEG-1 encoded images. In addition, the respective validation procedure is specified which enables the validation of candidate implementations of ISO/IEC 19566-5. Finally, a detailed analysis of the Java reference implementation of ISO/IEC 19566-5 is presented, demonstrating the software design which is followed to support the JUMBF data model.

Information technology — JPEG Systems —

Part 10: Reference software

1 Scope

This document specifies a reference software implementation of ISO/IEC 19566-5. The reference software is accompanied with a reference dataset which provides an extensive list of the various JUMBF data structures specified in ISO/IEC 19566-5.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 19566-5, *Information technologies — JPEG systems — Part 5: JPEG universal metadata box format (JUMBF)*