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Information technology — Picture coding methods —

Part 1: Identification

*Technologies de l'information — Méthodes de codage d'image —
Partie 1: Identification*



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Foreword

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In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 9281-1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

ISO/IEC 9281 consists of the following parts, under the general title *Information technology — Picture coding methods*:

- *Part 1: Identification*
- *Part 2: Procedure for registration*

Annexes A and B of this part of ISO/IEC 9281 are for information only.

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Introduction

This part of ISO/IEC 9281 specifies the identification methods for coding of pictorial information in digital form where the information can be stored, processed or interchanged by telecommunications or by the exchange of physical storage media. Techniques are provided to switch between picture coding methods in the picture coding environment, as well as to switch between the picture coding environment and coding systems according to ISO 2022. Thus, this part of ISO/IEC 9281 is limited to coding and does not address functional aspects which are covered by other International Standards, e.g. ISO 8613.

ISO 2022 deals with byte-oriented coding and extension techniques for graphic characters and control functions, and assigns specific areas of the code table to graphic characters and to control functions. In picture coding this structure cannot be retained. Picture coding methods constitute, therefore, coding systems different from that of ISO 2022. Indeed, the control functions may take the form of operations (opcodes) and operands.

Because this part of ISO/IEC 9281 is intended to serve as a basis for a number of other standards for specific picture coding methods, an introduction to its basic concepts is included in annex B.

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