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**Information technology — JPEG  
Systems —**

**Part 1:  
Packaging of information using  
codestreams and file formats**

*Technologies de l'information — Systèmes JPEG —*

*Partie 1: Emballage des informations utilisant les flux de codes et les  
formats de fichier*



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## Foreword

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

## Introduction

This part of ISO/TR 19566 provides an overview for users of ISO/IEC standards in the use of common JPEG syntax elements at the systems layer for current and future International Standards developed by ISO/IEC.

With the development of coding technologies, ISO/IEC has defined a number of different file formats and multiple variants of codestream syntax. Many of these are specialized to dedicated use cases or compression algorithms. Consequently, it is difficult to maintain an overview about existing file formats, their capabilities and their architectures.

This part of ISO/TR 19566 aims to describe common architectural concepts for file formats and codestream formats. By these means, it lays out guidelines for future file formats and codestream syntax. By observing these guidelines, future International Standards may fit into an overall operable Systems infrastructure that can handle all tools standardized by the ISO/IEC body.

# Information technology — JPEG Systems —

## Part 1:

# Packaging of information using codestreams and file formats

## 1 Scope

This part of ISO/TR 19566 describes common elements of a system layer for JPEG standards, referred to as JPEG Systems.

This part of ISO/TR 19566 describes the common architecture of file formats and codestream formats used in JPEG standards. It is intended that all future Systems components support codestreams and file formats following these guidelines.