
**Information technology — Concepts
and usage of metadata —**

**Part 23:
Data element exchange (DEX) for a
subset of ISO/IEC 11179-3**

*Technologies de l'information — Concepts et utilisation des
métadonnées —*

*Partie 23: Échange d'éléments de données (DEX) pour un sous-
ensemble de l'ISO/IEC 11179-3*

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

A list of all parts in the ISO/IEC 19583 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The ISO/IEC 11179 series addresses the semantics of data, the representation of data, and the registration of the descriptions of that data, i.e. metadata. While ISO/IEC 11179-3 provides the basic conceptual model for a metadata registry (MDR) in which information about metadata can be recorded and maintained, implementers and users of the registries described in the ISO/IEC 11179 series require further guidance to exchange data element definitions with each other via a standard-based protocol. It is necessary to have a common protocol and message semantics to be able to communicate with an MDR to locate the data elements given the search criteria and exchange metadata of data elements by addressing the technical and semantic interoperability challenges.

This document was developed to describe a message exchange framework specification for communicating a subset of data element metadata with an ISO/IEC 11179-3 MDR.

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