
**Information technology — Individualized
adaptability and accessibility in
e-learning, education and training —**

**Part 2:
“Access for all” personal needs and
preferences for digital delivery**

*Technologies de l'information — Adaptabilité et accessibilité
individualisées en e-apprentissage, en éducation et en formation —*

*Partie 2: Besoins personnels en matière d'«accès pour tous» et
préférences de prestation numérique*

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 24751-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 36, *Information technology for learning, education, and training*.

ISO/IEC 24751 consists of the following parts, under the general title *Information technology — Individualized adaptability and accessibility in e-learning, education and training*:

- *Part 1: Framework and reference model*
- *Part 2: “Access for all” personal needs and preferences for digital delivery*
- *Part 3: “Access for all” digital resource description*

Future parts will address non-digital resource description, personal needs and preferences for non-digital resources, personal needs and preferences for description of events and places, digital description of events and places, and language accessibility and human interface equivalencies (HIEs) in e-learning applications.

Information technology — Individualized adaptability and accessibility in e-learning, education and training —

Part 2: “Access for all” personal needs and preferences for digital delivery

1 Scope

This part of ISO/IEC 24751 provides a common information model for describing the learner or user needs and preferences when accessing digitally delivered resources or services. This description is one side of a pair of descriptions used in matching user needs and preferences with digital delivery (as described in ISO/IEC 24751-1). This model divides the personal needs and preferences of the learner or user into three categories:

- a. Display: how resources are to be presented and structured;
- b. Control: how resources are to be controlled and operated; and,
- c. Content: what supplementary or alternative resources are to be supplied.

This part of ISO/IEC 24751 is intended to meet the needs of learners with disabilities (as defined in ISO/IEC 24751-1) and of anyone in a disabling context.

The purpose of this part of ISO/IEC 24751 is to provide a machine-readable method of stating user needs and preferences with respect to digitally based education or learning. This part of ISO/IEC 24751 can be used independently, for example to deliver the required or desired user interface to the learner/user, or in combination with ISO/IEC 24751-3 to deliver digital resources that meet a user's needs and preferences.

2 Normative references

The following referenced documents are indispensable for the application 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.

2.1 ISO/IEC

ISO 639-2:1998 (E/F), *Codes for the representation of names of languages — Part 2: Alpha-3 code/Codes pour la représentation des noms de langue — Partie 2: Code alpha-3*

2.2 Referenced specifications

IETF RFC 3986 Uniform Resource Identifier (URI): Generic Syntax [RFC 3986],
{<http://www.ietf.org/rfc/rfc3986.txt>}