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Information technology — User interfaces — Worldwide availability of personalized computer environments

Technoloies de l'information — Interfaces utilisateurs — Disponibilité mondiale des environnements informatiques personnalisé

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Foreword

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 35, *User interfaces*.

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Introduction

In today's world, people are getting more and more mobile and access to the Internet is becoming ever more important. When moving around, people are encountering different kinds of hardware, all capable of communicating with the Internet, but having different user interfaces, such as computers with different national keyboards, mobile telephones and TV sets. The purpose of this Technical Report is to provide a way to make access as uniform as possible in a culturally and linguistically acceptable way so that users can have the almost the same personal user interface to their environments on the Internet wherever they go. Some areas of concern are the different keyboards or other inputting devices, different protocols for accessing the personal user environment via the Internet, and having uniform access to different Internet hosting environments.

The data in this Technical Report is meant for a general audience and is not specifically meant for research/engineering.

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Information technology — User interfaces — Worldwide availability of personalized computer environments

1 Scope

This Technical Report describes methods to enable access to a personal computing environment via the Internet, with a culturally and linguistically convenient and uniform personal user interface, on different types of hardware.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1
user
individual interacting with the system

[SOURCE: ISO 1503:2008, 3.11]

2.2
user requirements
description of the set of user needs for the software

[SOURCE: ISO/IEC 14143-1:2007, 3.12, modified]

2.3
(open system) environment
comprehensive set of interfaces, services, and supporting formats, plus user aspects, for interoperability and/or portability of applications, data, or information, as specified by information technology International Standards and profiles

[SOURCE: ISO/IEC/TR 10000-1:1998, 3.2.2, modified]

2.4
server
in a computer network, a functional unit that provides services to workstations, to personal computers or to other functional units

[SOURCE: ISO/IEC 2382:2015, 2120558]

2.5
program
prepared sequence of instructions to the system to accomplish a defined task

[SOURCE: ISO/IEC/IEEE 9945:2009, 3.300, modified]

2.6
application program interface
API
definition of syntax and semantics for providing computer system services

[SOURCE: ISO/IEC/IEEE 9945:2009, 3.19, modified]

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