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Information technology — User interfaces — Voice commands —

Part 4: Management of voice command registration

*Technologies de l'information — Interfaces utilisateurs —
Commandes vocales —*

Partie 4: Gestion de l'enregistrement des commandes de voix



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

ISO/IEC 30122 consists of the following parts, under the general title *Information technology — User interfaces — Voice commands*:

- *Part 1: Framework and general guidance*
- *Part 2: Constructing and testing*
- *Part 3: Translation and localization*
- *Part 4: Management of voice command registration*

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Introduction

This part of ISO/IEC 30122 describes supplementary procedural information, requirements and criteria that apply to a collection of voice command standards published as a web-accessible voice command database. It is based on the second paragraph of Annex SL, Procedures for the development and maintenance of standards in database format supplemented to ISO/IEC Directives as Procedures specific to ISO. This part of ISO/IEC 30122 is not in conflict with Annex SL or ISO/IEC Directives.

The advantages of the collection of voice command standards as an electronic database include the following:

- the database represents a serious source one can rely on;
- the database can be easily maintained and updated.

The procedure of voice command standardization is as follows.

- a) According to ISO/IEC 30122-1, the person creating the voice command decides the Title and Function attributes of the proposed voice command.
- b) According to ISO/IEC 30122-2 and ISO/IEC 30122-3, the person creating the voice command decides the Phrase of command attribute of the proposed voice command in at least one ISO/IEC official language.
- c) According to this part of ISO/IEC 30122, VT 30122 validates the appropriateness of the proposed voice command as an international standard. If it is approved as an international standard, the voice command is published as an international standard through the voice command database.

After the standardization, the following procedure may be conducted.

- d) According to ISO/IEC 30122-2 and ISO/IEC 30122-3, each country gives attributes of the standardized voice command in each language.
- e) According to ISO/IEC 30122-2, each country tests the voice command and speech recognition system in each language.