



**International
Standard**

ISO/IEC 23773-3

**Information technology —
User interfaces for automatic
simultaneous interpretation
systems —**

**Part 3:
System architecture**

*Technologies de l'information — Interfaces utilisateur pour les
systèmes d'interprétation simultanée automatique —*

Partie 3: Architecture du système

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	2
5 Architecture of simultaneous interpretation system	2
5.1 General.....	2
5.2 Continuous speech recognition module.....	4
5.2.1 General.....	4
5.2.2 Feature extraction/noise processing.....	5
5.2.3 Utterance adaptation.....	5
5.2.4 Multiple decoder.....	5
5.2.5 Interfaces of submodules.....	5
5.3 Interpretation unit extraction module.....	5
5.3.1 General.....	5
5.3.2 Input buffer manager.....	6
5.3.3 Unit separating morpheme analyser.....	6
5.3.4 Voice unit analyser.....	6
5.3.5 Interpretation unit former.....	6
5.3.6 Interfaces of submodules.....	6
5.4 Real-time simultaneous interpretation module.....	6
5.4.1 General.....	6
5.4.2 Rule-based translation.....	8
5.4.3 Machine learning (ML)-based translation.....	8
5.4.4 Context management.....	8
5.4.5 Hybrid translation (rule+DNN).....	8
5.4.6 Interfaces of submodules.....	8
5.5 Incremental knowledge learning module.....	9
5.5.1 General.....	9
5.5.2 Error-based enhancement.....	9
5.5.3 Knowledge extraction/learning.....	9
5.5.4 Knowledge support and tools.....	9
5.5.5 Knowledge adaptation.....	10
5.5.6 Interfaces of submodules.....	10
5.6 Presentation of translation results.....	10
5.6.1 General.....	10
5.6.2 Personalized speech synthesis.....	11
5.6.3 Text presentation on the screen.....	11
5.6.4 Error correction for translation results.....	11
5.6.5 Interfaces of submodules.....	11
Bibliography	12

Foreword

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Introduction

Communication between users of different languages is a global trend that is increasing. Real-time, automatic simultaneous interpretation is needed for different applications such as video calls, live lecture translation and wearable translation devices. Market demands for real-time automatic simultaneous interpretation of free-style continuous utterances in the travel sector, global event management, as well as for phone calls, lectures or meetings, are also increasing. A standardized user interface (UI) for automatic simultaneous interpretation systems fulfils these different needs for communication.

ISO/IEC 23773-1 provides a general description of an automatic simultaneous interpretation system designed to interoperate among different natural languages for spontaneous speech and text.

While traditional speech-to-speech translation described in ISO/IEC 20382-1 and ISO/IEC 20382-2 addresses the functional equivalent of consecutive interpretation, this document focuses on the functional equivalent of simultaneous interpretation.

ISO/IEC 23773-2 provides the requirements and functional components for the UI of automatic simultaneous interpretation systems.

This document provides a reference architecture for automatic simultaneous interpretation systems including functional modules and communication interfaces in a high-level approach.

Information technology — User interfaces for automatic simultaneous interpretation systems —

Part 3: System architecture

1 Scope

This document provides a description of a system architecture for real-time automatic simultaneous interpretation systems for spontaneous speech designed to interoperate among different natural languages.

While traditional speech-to-speech translation addresses the functional equivalent of consecutive interpretation, this document focuses on the functional equivalent of simultaneous interpretation.

This document does not cover sign language interpretation.

2 Normative references

There are no normative references in this document.