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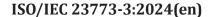
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Information technology — User interfaces for automatic simultaneous interpretation systems —

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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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.