ISO/IEC 20382-1:2017-10 (E)

Information technology - User interfaces - Face-to-face speech translation - Part 1: User interface

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms 2

5 Overview of face-to-face speech translation 2
5.1 General 2
5.2 Service flow 3
5.3 Service types 4
5.4 Service mode 4
5.5 Service situation 4

6 Functional requirements 4
6.1 User communication requirements 4
6.1.1 General 4
6.1.2 Required 4
6.1.3 Optional 4
6.2 User interface requirements 5
6.2.1 General 5
6.3 User device requirements 5
6.3.1 General 5
6.4 Accessibility requirements 5
6.4.1 General 5

7 Functional components of face-to-face speech translation 6
7.1 Service protocol among functional components 6
7.2 User communication functional block 7
7.2.1 General 7
7.2.2 Steps for user communication 7
7.2.3 Translation session connection 8
7.2.4 Translation session disconnection 9
7.2.5 Translation session end condition 10
7.3 User interface functional block 11
7.3.1 General 11
7.3.2 Setup of the initial translation environments 11
7.3.3 Correction/selection function of speech recognition results: 12
7.4 User device functional block 12
7.4.1 General 12
7.4.2 SRWC pairing function for search for users and VI control 12
7.4.3 Wearable device functions 12
7.4.4 Communication between devices and message representation 13
7.5 Accessibility functional block 13
7.5.1 General 13
7.5.2 Multi-modal input functions 13

7.5.3 Multi-modal output functions 13
7.5.4 Voice input and output functions 13
7.5.5 Accessibility functions for the application user interface (UI) 13
7.5.6 Simple language, or controlled language function 13

Annex A (informative) Comparison of standardization activities for speech translation 14

Bibliography 15