# ISO/IEC 20382-2:2017-10 (E)

## Information technology - User interface - Face-to-face speech translation - Part 2: System architecture and functional co mponents

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Terms,definitionsandabbreviatedterms ..... 1
3.1 Terms and definitions ..... 1
3.2 Abbreviated terms ..... 1

4 Overview of face-to-face speech translation ..... 1
4.1 General ..... 1
4.2 Functional components of F2F speech translation ..... 2

5 Functional requirements ..... 2
5.1 General requirement ..... 2
5.2 Speech recognition requirements ..... 3
5.3 Language translation requirements ..... 3
5.4 Speech synthesizer requirements ..... 3

6 System architectures of F2F speech translation ..... 4
6.1 General ..... 4
6.2 Two persons with embedded F2F speech translation devices ..... 4
6.3 Two persons with remote speech translation functions ..... 6
6.4 Mixture of 6.2 and 6.3 ..... 7
6.5 Adding one more speaker to F2F speech translation conversation ..... 9
6.6 Two person with only one fixed F2F speech translation device ..... 10

Annex A (informative) History of F2F speech translation ..... 13

Annex B (informative) An example scenario of F2F speech translation protocol ..... 18

Bibliography ..... 19