

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

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms, definitions and abbreviated terms .....</b>	<b>1</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3.2</b>	<b>Abbreviated terms .....</b>	<b>1</b>
<b>4</b>	<b>Overview of face-to-face speech translation .....</b>	<b>1</b>
<b>4.1</b>	<b>General .....</b>	<b>1</b>
<b>4.2</b>	<b>Functional components of F2F speech translation .....</b>	<b>2</b>
<b>5</b>	<b>Functional requirements .....</b>	<b>2</b>
<b>5.1</b>	<b>General requirement .....</b>	<b>2</b>
<b>5.2</b>	<b>Speech recognition requirements .....</b>	<b>3</b>
<b>5.3</b>	<b>Language translation requirements .....</b>	<b>3</b>
<b>5.4</b>	<b>Speech synthesizer requirements .....</b>	<b>3</b>
<b>6</b>	<b>System architectures of F2F speech translation .....</b>	<b>4</b>
<b>6.1</b>	<b>General .....</b>	<b>4</b>
<b>6.2</b>	<b>Two persons with embedded F2F speech translation devices .....</b>	<b>4</b>
<b>6.3</b>	<b>Two persons with remote speech translation functions .....</b>	<b>6</b>
<b>6.4</b>	<b>Mixture of 6.2 and 6.3 .....</b>	<b>7</b>
<b>6.5</b>	<b>Adding one more speaker to F2F speech translation conversation .....</b>	<b>9</b>
<b>6.6</b>	<b>Two person with only one fixed F2F speech translation device .....</b>	<b>10</b>
	<b>Annex A (informative) History of F2F speech translation .....</b>	<b>13</b>
	<b>Annex B (informative) An example scenario of F2F speech translation protocol .....</b>	<b>18</b>
	<b>Bibliography .....</b>	<b>19</b>