

# ISO/IEC 19761:2003-02 (E)

## Software engineering - COSMIC-FFP - A functional size measurement method

---

<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 and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Symbols and abbreviated terms .....</b>	<b>5</b>
<b>5</b>	<b>Unit of Measurement .....</b>	<b>5</b>
<b>6</b>	<b>Measurement activities .....</b>	<b>6</b>
<b>6.1</b>	<b>General .....</b>	<b>6</b>
<b>6.2</b>	<b>Determination of the purpose and scope of the FSM .....</b>	<b>6</b>
<b>6.3</b>	<b>Identification of the FUR .....</b>	<b>6</b>
<b>6.4</b>	<b>Identification of software layers .....</b>	<b>6</b>
<b>6.4.1</b>	<b>Identify software layers .....</b>	<b>6</b>
<b>6.4.2</b>	<b>Characteristics of software layers .....</b>	<b>7</b>
<b>6.5</b>	<b>Identification of software boundaries .....</b>	<b>7</b>
<b>6.6</b>	<b>Identification of functional processes .....</b>	<b>8</b>
<b>6.7</b>	<b>Identification of data groups .....</b>	<b>8</b>
<b>6.8</b>	<b>Identification of data movements .....</b>	<b>8</b>
<b>6.9</b>	<b>Classification of data movements .....</b>	<b>8</b>
<b>6.9.1</b>	<b>Entry .....</b>	<b>8</b>
<b>6.9.2</b>	<b>Exit .....</b>	<b>9</b>
<b>6.9.3</b>	<b>Read .....</b>	<b>9</b>
<b>6.9.4</b>	<b>Write .....</b>	<b>9</b>
<b>6.10</b>	<b>Calculation of the Functional Size .....</b>	<b>10</b>
<b>6.10.1</b>	<b>Assignment of a size unit .....</b>	<b>10</b>
<b>6.10.2</b>	<b>Aggregation of functional size for a functional process .....</b>	<b>10</b>
<b>6.10.3</b>	<b>Aggregation of functional size for the identified FURs for each piece of software to be measured .....</b>	<b>10</b>
<b>6.10.4</b>	<b>Calculation of Functional Size of changes to the FURs .....</b>	<b>11</b>
<b>7</b>	<b>Local customizations .....</b>	<b>11</b>
<b>8</b>	<b>Measurement Reporting .....</b>	<b>11</b>
<b>8.1</b>	<b>Labelling .....</b>	<b>11</b>
<b>8.2</b>	<b>Customization .....</b>	<b>11</b>
<b>8.3</b>	<b>Documentation of the measurement results .....</b>	<b>12</b>
	<b>Annex A (informative) Extraction of Functional User Requirements .....</b>	<b>13</b>
	<b>Annex B (informative) Allocation of Functional User Requirements (FUR) .....</b>	<b>15</b>
	<b>Bibliography .....</b>	<b>17</b>