

# ISO 15530-3:2011-10 (E)

## Geometrical product specifications (GPS) - Coordinate measuring machines (CMM): Technique for determining the uncertainty of measurement - Part 3: Use of calibrated workpieces or measurement standards

---

<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>1</b>
<b>4</b>	<b>Symbols .....</b>	<b>2</b>
<b>5</b>	<b>Requirements .....</b>	<b>3</b>
<b>5.1</b>	<b>Operating conditions .....</b>	<b>3</b>
<b>5.2</b>	<b>Similarity conditions .....</b>	<b>3</b>
<b>6</b>	<b>Principle of the uncertainty evaluation using calibrated workpieces .....</b>	<b>4</b>
<b>7</b>	<b>Procedure .....</b>	<b>4</b>
<b>7.1</b>	<b>Measuring equipment .....</b>	<b>4</b>
<b>7.2</b>	<b>Execution .....</b>	<b>4</b>
<b>7.3</b>	<b>Calculation of the uncertainty .....</b>	<b>5</b>
<b>7.4</b>	<b>Applying the substitution method: special considerations .....</b>	<b>9</b>
<b>8</b>	<b>Reverification of the measurement uncertainty .....</b>	<b>9</b>
<b>9</b>	<b>Interim check of the measurement uncertainty .....</b>	<b>10</b>
<b>Annex A (informative) Examples of application .....</b>		<b>11</b>
<b>Annex B (informative) Relation to the GPS matrix model .....</b>		<b>16</b>
<b>Bibliography .....</b>		<b>18</b>