

# ISO 6980-3:2006-10 (E)

## Nuclear energy - Reference beta-particle radiation - Part 3: Calibration of area and personal dosimeters and the determination of their response as a function of beta radiation energy and angle of incidence

---

<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>2</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Procedures applicable to all area and personal dosimeters .....</b>	<b>9</b>
4.1	General principles .....	9
4.2	Determination of the calibration factor and of the correction factor .....	12
<b>5</b>	<b>Particular procedures for area dosimeters .....</b>	<b>13</b>
5.1	General principles .....	13
5.2	Quantities to be measured .....	13
<b>6</b>	<b>Particular procedures for personal dosimeters .....</b>	<b>13</b>
6.1	General principles .....	13
6.2	Quantity to be measured .....	13
6.3	Experimental conditions .....	13
<b>7</b>	<b>Presentation of results .....</b>	<b>15</b>
7.1	Records and certificates .....	15
7.2	Statement of uncertainties .....	15
<b>Annex A (normative) Symbols and abbreviated terms .....</b>		<b>17</b>
<b>Annex B (normative) Reference conditions .....</b>		<b>19</b>
<b>Annex C (informative) Conversion coefficients for some beta reference radiation fields .....</b>		<b>21</b>
<b>Bibliography .....</b>		<b>23</b>