

# ISO 21398:2007-06 (E)

## Hard coal and coke - Guidance to the inspection of mechanical sampling systems

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normatives references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Safety .....</b>	<b>2</b>
<b>5</b>	<b>General considerations .....</b>	<b>2</b>
<b>5.1</b>	<b>Precision .....</b>	<b>2</b>
<b>5.2</b>	<b>Bias .....</b>	<b>2</b>
<b>5.3</b>	<b>Operation of sampling system .....</b>	<b>2</b>
<b>6</b>	<b>Establishment of inspection system .....</b>	<b>3</b>
<b>6.1</b>	<b>General .....</b>	<b>3</b>
<b>6.2</b>	<b>Audit -- External .....</b>	<b>3</b>
<b>6.3</b>	<b>Audit -- Internal .....</b>	<b>4</b>
<b>6.4</b>	<b>Operational inspections .....</b>	<b>4</b>
<b>7</b>	<b>Procedures .....</b>	<b>4</b>
<b>7.1</b>	<b>Audit -- External .....</b>	<b>4</b>
<b>7.2</b>	<b>Audit -- Internal .....</b>	<b>5</b>
<b>7.3</b>	<b>Operational inspections .....</b>	<b>6</b>
<b>8</b>	<b>Quality control .....</b>	<b>6</b>
<b>8.1</b>	<b>General .....</b>	<b>6</b>
<b>8.2</b>	<b>Sampling ratio .....</b>	<b>6</b>
<b>8.3</b>	<b>Coefficient of variation .....</b>	<b>7</b>
<b>8.4</b>	<b>Extraction ratio .....</b>	<b>7</b>
<b>8.5</b>	<b>Sampling records .....</b>	<b>7</b>
<b>8.6</b>	<b>Operators' inspection report .....</b>	<b>8</b>
<b>Annex A (informative) Monitoring coal sampling ratios using control charts .....</b>		<b>11</b>
<b>Annex B (informative) Examples of sampling checklists .....</b>		<b>15</b>
<b>Annex C (informative) Example of sampling plant operators inspection report .....</b>		<b>18</b>
<b>Annex D (informative) Example of sampling plant operations inspection summary .....</b>		<b>23</b>
<b>Bibliography .....</b>		<b>25</b>