

# ISO 18926:2012-06 (E)

## Imaging materials - Information stored on magneto-optical (MO) discs - Method for estimating the life expectancy based on the effects of temperature and relative humidity

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Purpose and assumptions .....</b>	<b>1</b>
2.1	Purpose .....	1
2.2	Assumptions .....	1
<b>3</b>	<b>Normative references .....</b>	<b>1</b>
<b>4</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>5</b>	<b>Measurements .....</b>	<b>3</b>
5.1	Summary .....	3
5.2	Byte error rate (BER) .....	3
5.3	Test equipment .....	4
5.4	Test specimen .....	4
<b>6</b>	<b>Accelerated stress test plan .....</b>	<b>4</b>
6.1	General .....	4
6.2	Stress conditions .....	5
6.3	Accelerated test cell sample population .....	7
6.4	Time intervals .....	7
<b>7</b>	<b>Data evaluation .....</b>	<b>7</b>
7.1	Lognormal distribution model .....	7
7.2	Eyring acceleration model .....	8
7.3	Acceleration factor .....	9
7.4	Survivor analysis .....	9
<b>8</b>	<b>Disclaimer .....</b>	<b>10</b>
<b>Annex A (normative) Ten-step analysis outline .....</b>		<b>11</b>
<b>Annex B (informative) Example of a test plan and data analysis .....</b>		<b>12</b>
<b>Bibliography .....</b>		<b>21</b>