

# ISO 22514-2:2026-02 (E)

## Statistical methods in process management - Capability and performance - Part 2: Process capability and performance of time-dependent process models

---

<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, definitions, symbols and abbreviated terms</b>	<b>1</b>
3.1	Terms and definitions	1
3.2	Symbols	2
3.3	Abbreviated terms	3
<b>4</b>	<b>Process analysis</b>	<b>3</b>
<b>5</b>	<b>Time-dependent distribution models</b>	<b>3</b>
5.1	Model A1	6
5.2	Model A2	8
5.3	Model B	9
5.4	Model C1	10
5.5	Model C2	12
5.6	Model C3	13
5.7	Model C4	14
5.8	Model D	16
<b>6</b>	<b>Process capability and performance indices</b>	<b>17</b>
6.1	Methods for determination of performance and capability indices — Overview	17
6.1.1	General geometric method	17
6.1.2	Calculation of location	19
6.1.3	Calculation of dispersion	19
6.1.4	Calculation of $X_{0,135\%}$ , $X_{50\%}$ , and $X_{99,865\%}$	20
6.2	One-sided specification limits	20
6.3	Use of different calculation methods	22
<b>7</b>	<b>Reporting process performance/capability indices</b>	<b>23</b>
Bibliography		24