

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

Contents		Page
Foreword.....		iv
Introduction.....		v
1 Scope.....		1
2 Normative references.....		1
3 Terms, definitions, symbols and abbreviated terms.....		1
3.1 Terms and definitions.....		1
3.2 Symbols.....		2
3.3 Abbreviated terms.....		3
4 Process analysis.....		3
5 Time-dependent distribution models.....		3
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
6 Process capability and performance indices.....		17
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
7 Reporting process performance/capability indices.....		23
Bibliography.....		24