

ISO 22514-6:2013-02 (E)

Statistical methods in process management - Capability and performance - Part 6: Process capability statistics for characteristics following a multivariate normal distribution

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	3
5	Process analysis	4
6	Use of multivariate process capability and performance assessment	4
7	Calculation of process capability and process performance	4
7.1	Description of Types I and II	4
7.2	Designation and symbols of the indices	5
7.3	Types c and c process capability index	8
7.4	Types a and Type b process capability index	10
8	Examples	11
8.1	Two-dimensional position tolerances	11
8.2	Position and dimension of a slot	16
Annex A (informative) Derivation of formulae		20
Annex B (informative) Shaft imbalance example		25
Annex C (informative) Hole position example		29
Annex D (informative) Construction of the quality function		33
Bibliography		34