

ISO 11462-1:2001-06 (E)

Guidelines for implementation of statistical process control (SPC) - Part 1: Elements of SPC

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	SPC applications	2
4.1	Process characteristics	2
4.2	Production characteristics	2
4.3	Techniques for control and models of processes	3
5	SPC objectives and organization	3
5.1	SPC objectives	3
5.2	Financial motive for SPC	4
5.3	Relationships	4
5.4	SPC organization	5
6	Conditions for statistical process control	5
6.1	Management support	5
6.2	Understanding of SPC tools and methods	6
6.3	Quality management system	6
7	Elements of a statistical process control system	6
7.1	Process documentation and control plan	6
7.2	Definition of process targets and limits	7
7.3	Measurement system evaluation and control	7
7.4	Documented work instructions	8
7.5	Employee training and involvement in process data	8
7.6	Process data recording and collection	9
7.7	Traceability and production sequence identification	10
7.8	Subcontractor performance evaluation	10
7.9	Process input sequencing	10
7.10	Process logs	11
7.11	Process reliability	11
7.12	Process output monitoring system	12
7.13	Process control system	12
7.14	Short-term variability assessment	12
7.15	Long-term variability assessment	13
7.16	Communicating the results of process analyses	14
7.17	Customer information system	14
7.18	Internal SPC audits	14
7.19	SPC projects and teams	15
7.20	Process improvement, optimization and troubleshooting	15
Annex A (normative)	Terms and definitions	16
Bibliography		23