

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MSD 3 : Statistical Methods for Quality , Data Analytics and Reliability

**Scope:** Formulation of standards relating to statistical techniques, data analytics, reliability with a view to propagating their knowledge in industry and promoting their application for quality improvement.

**Liaison:** **ISO TC-69 (P): Applications of statistical methods ISO TC-69 SC-5 (P): Acceptance sampling ISO TC-69 SC-6 (P): Measurement methods and results ISO TC-69 SC-7 (P): Applications of statistical and related techniques for the implementation of Six Sigma ISO TC-69 SC-8 (P): Application of statistical and related methodology for new technology and product development ISO TC-69 (P): Applications of statistical methods ISO TC-69 SC-5 (P): Acceptance sampling ISO TC-69 SC-6 (P): Measurement methods and results ISO TC-69 SC-7 (P): Applications of statistical and related techniques for the implementation of Six Sigma ISO TC-69 SC-8 (P): Application of statistical and related methodology for new technology and product development**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10427 (Part 1):1982	Designs for industrial experimentation: Part 1 standard designs	April, 2021	-	Indigenous
2	IS 10427 (Part 2):2006	Designs for industrial experimentation: Part 2 orthogonal arrays (First Revision)	June, 2025	-	Indigenous
3	IS 10645 (Part 1):2016 ISO 22514-1:2014 ISO 22514-1: 2014	Statistical methods in process management - Capability and performance: Part 1 general principles and concepts (Third Revision)	October, 2021	-	Identical under dual numbering
4	IS 10645 (Part 2):2019 ISO 22514-2 : 2017 ISO 22514-2: 2017	Statistical methods in process management capability and performance: Part 2 process capability and performance of time dependent process models (Fourth Revision)	April, 2023	-	Identical under dual numbering
5	IS 10645 (Part 4):2019 ISO 22514-4 : 2016 ISO 22514-4: 2016	Statistical methods in process management - capability and performance: Part 4 process capability estimates and performance measures (Third Revision)	April, 2023	-	Identical under dual numbering
6	IS 10645 (Part 3):2022 22514-3 ISO 22514-3: 2020	Statistical methods in process management - Capability and performance: Part 3 machine performance studies for measured		-	Identical under dual numbering

		data on discrete parts Fourth Revision			
7	IS 10645 (Part 7):2023 ISO 22514-7 :2021 ISO 22514-7 :2021	Statistical methods in process management Capability and performance Part 7: Capability of measurement processes Amendment - 1		1	Identical under dual numbering
8	IS 10645 (Part 8):2023 ISO 22514-8 :2014 ISO 22514-8 :2014	Statistical methods in process management Capability and performance Part 8: Machine performance of a multi-state production process		-	Identical under dual numbering
9	IS 10645 (Part 5):2023 ISO 22514-5 :2019 ISO 22514-5 :2019	Statistical methods in process management Capability and performance Part 5: Process capability estimates and performance for attributive characteristics		-	Identical under dual numbering
10	IS 10645 (Part 6):2023 ISO 22514-6 :2013 ISO 22514-6 :2013	Statistical methods in process management Capability and performance Part 6: Process capability statistics for characteristics following a multivariate normal distribution		-	Identical under dual numbering
11	IS/ISO 11843-2:2000 ISO 11843-2: 2000	Capability of detection: Part 2 methodology in the linear calibration case Amendment - 1	December, 2014	1	Identical under single numbering
12	IS/ISO 11843-1:1997 ISO 11843-1:1997 ISO 11843 : PART 1 : 1997	Capability of detection: Part 1 terms and definitions	April, 2023	-	Identical under single numbering
13	IS/ISO 11843-2:2000 ISO 11843-2:2000 ISO 11843-2: 2000	Capability of detection: Part 2 methodology in the linear calibration case Amendment - 1	April, 2023	1	Identical under single numbering
14	IS/ISO 11843-3:2003 ISO 11843-3:2003 ISO 11843-3: 2003	Capability of detection: Part 3 methodology for determination of the critical value for the response variable when no calibration data are used	April, 2023	-	Identical under single numbering
15	IS/ISO 11843-4:2003 ISO 11843-4:2003 ISO 11843-4: 2003	Capability of detection: Part 4 methodology for comparing the minimum detectable value with a given value	April, 2023	-	Identical under single numbering
16	IS/ISO 11843-5:2008 ISO 11843-5 : 2008 ISO 11843-5: 2008	Capability of detection: Part 5 methodology in the linear and non-Linear calibration cases	April, 2023	1	Identical under single numbering
17	IS/ISO/TR 11843-8:2021 ISO/TR 11843-8:2021 ISO/TR 11843-8:2021	Capability of detection Part 8: Guidance for the implementation of the ISO 11843 series		-	Identical under single numbering
18	IS/ISO 11843-6:2019 11843-6 ISO 11843-6: 2013	Capability of detection -- Part 6: Methodology for the determination of the critical value and the minimum detectable value in		-	Identical under single numbering

		Poisson distributed measurements by normal approximations (First Revision)			
19	IS 12347:1988	Analysis of means - A graphical procedure	March, 2025	-	Indigenous
20	IS 12348:1988  Decision taken to Reaffirm and Archive	Use of probability papers	May, 2020	-	Indigenous
21	IS/ISO 13528:2022 ISO 13528 :2022 IS/ISO 13528 : 2022	Statistical Methods for Use in Proficiency Testing by Interlaboratory Comparison (First Revision)		-	Identical under single numbering
22	IS 14277:2024	Statistical Interpretation of Test Results – Estimation of Mean, Standard Deviation and Regression Coefficient – Confidence Interval (First Revision)		-	Indigenous
23	IS 14978:2002	New seven tools for quality management	March, 2025	-	Indigenous
24	IS 15202 (Part 1):2002 ISO 11462-1:2001 ISO 11462-1:2001	Guidelines for implementation of statistical process control (SpC): Part 1 elements of SPC	November, 2022	-	Identical under dual numbering
25	IS 15202 (Part 4):2023 ISO/TR 11462-4:2022 ISO/TR 11462-4:2022	Guidelines for implementation of statistical process control SPC Part 4: Reference data sets for measurement process analysis software validation		-	Identical under dual numbering
26	IS 15202 (Part 2):2012 ISO 11462-2:2010 ISO 11462-2:2010	Guidelines for implementation of statistical process control (SPC): Part 2 catalogue of tools and techniques	April, 2022	-	Identical under dual numbering
27	IS 15280:2003	Quality function deployment	March, 2025	-	Indigenous
28	IS 15393 (Part 4):2021 5725-4 5725-4: 2020	Accuracy trueness and precision of measurement methods and results -- Part 4: Basic method for the determination of the trueness of a standard measurement method (First Revision)		-	Identical under dual numbering
29	IS 15393 (Part 1):2003 ISO 5725-1:1994 ISO 5725-1: 1994	Accuracy (Trueness And Precision) of measurement methods and results: Part 1 general principles and definitions	November, 2022	-	Identical under dual numbering
30	IS 15393 (Part 3):2003 ISO 5725-3:1994 ISO 5725-3: 1994	Accuracy (Trueness And Precision) of measurement methods and results: Part 3 intermediate measures of the precision of a standard measurement method	November, 2022	-	Identical under dual numbering
31	IS 15393 (Part 5):2003 ISO 5725-5:1998 ISO 5725-5 1998	Accuracy (Trueness And Precision) of measurement methods and results: Part 5 alternative methods for the determination of the precision of a standard measurement method	November, 2022	-	Identical under dual numbering

32	IS 15393 (Part 6):2003 ISO 5725-6:1994 ISO 5725-6: 1994	Accuracy (Trueness And Precision) of measurement methods and results: Part 6 use in practice of accuracy values Amendment - 1	November, 2022	1	Identical under dual numbering
33	IS 15393 (Part 2):2021 ISO 5725-2 ISO 5725-2: 2019	Accuracy trueness and precision of measurement methods and results -- Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method		-	Identical under dual numbering
34	IS 15431:2003	Seven basic tools for quality management	May, 2025	-	Indigenous
35	IS 15436 (Part 2):2014 ISO 11648-2:2001 ISO 11648-2: 2001	Statistical aspects of sampling from bulk materials: Part 2 sampling of particulate materials	April, 2023	-	Identical under dual numbering
36	IS 15436 (Part 1):2004 ISO 11648-1 ISO 11648-1: 2003	Statistical aspects of sampling from bulk materials: Part 1 general principles	November, 2022	-	Identical under dual numbering
37	IS 1548:2024	Lot Sampling "Manual on Basic Principles (Third Revision)		-	Indigenous
38	IS 15550:2005	Failure mode effects analysis	March, 2025	-	Indigenous
39	IS 15564:2005	Benchmarking	March, 2025	-	Indigenous
40	IS 16123 (Part 1):2013 ISO 13053-1 : 2011 ISO 13053-1:2011	Quantitative methods in process improvement - Six sigma: Part 1 the dmaic methodology	November, 2022	-	Identical under dual numbering
41	IS 16123 (Part 2):2013 ISO 13053-2 : 2011 ISO 13053-2:2011	Quantitative methods in process improvement - Six sigma: Part 2 tools and techniques	November, 2022	-	Identical under dual numbering
42	IS 16174:2014 ISO 10725 : 2000 ISO 10725: 2000	Acceptance sampling plans and procedures for the inspection of bulk materials	April, 2023	-	Identical under dual numbering
43	IS 16177:2014 ISO 11095 : 1996 ISO 11095:1996	Linear calibration using reference materials	April, 2023	-	Identical under dual numbering
44	IS 16179:2026 ISO 10576-1 : 2003	Statistical Methods - Guidelines for the Evaluation of Conformity with Specified Requirements		-	Identical under dual numbering
45	IS 16179 (Part 1):2014 ISO 10576-1 : 2003 ISO 10576-1 : 2003	Statistical methods - Guidelines for the evaluation of conformity with specified requirements: Part 1 general principles	April, 2023	-	Identical under dual numbering
46	IS 16181:2014 ISO 11453 : 1996 ISO 11453:1996	Statistical interpretation of data - Tests and confidence intervals relating to proportions	April, 2023	-	Identical under dual numbering
47	IS/ISO 16269-6:2014 ISO 16269-6 : 2014 ISO 16269-6:2014	Statistical interpretation of data: Part 6 determination of statistical tolerance intervals	April, 2022	-	Identical under single numbering
48	IS/ISO 16269-7:2001 ISO 16269-7 : 2001 ISO 16269 : Part 7 :	Statistical interpretation of data: Part 7 median - Estimation and confidence intervals	May, 2021	-	Identical under single numbering

	2001				
49	IS/ISO 16269-4:2010 ISO 16269-4 : 2010 ISO 16269-4:2010	Statistical interpretation of data: Part 4 detection and treatment of outliers	May, 2021	-	Identical under single numbering
50	IS/ISO 16269-8:2004 ISO 16269-8 : 2004 ISO 16269 : Part 8 : 2004	Statistical interpretation of data: Part 8 determination of prediction intervals	March, 2025	-	Identical under single numbering
51	IS/ISO 16337:2021 16337 16337	Application of statistical and related methods to new technology and product development process Robust tolerance design RTD		-	Identical under single numbering
52	IS 16522:2016 ISO 16336 : 2014 ISO 16336:2014	Applications of statistical and related methods to new technology and product development process - Robust parameter design (RPD)	October, 2021	-	Identical under dual numbering
53	IS 16716:2018	Robust Estimation for Location and Scale Parameters	June, 2025	-	Indigenous
54	IS/ISO/TR 18532:2009 ISO/TR 18532 : 2009 ISO/TR 18532:2009	Guidance on the application of statistical methods to quality and to industrial standardization	May, 2022	-	Identical under single numbering
55	IS 19506:2026	Statistical methods Six Sigma Basic criteria underlying benchmarking for Six Sigma in organisations		-	
56	IS 19507:2026	Quantitative Methods in Process Improvement - Six Sigma - Competencies for Key Personnel and their Organizations in relation to Six Sigma and Lean Implementation		-	
57	IS 2:2022	RULES FOR ROUNDING OFF NUMERICAL VALUES (Second Revision)		1	Indigenous
58	IS/ISO 21748:2017 ISO 21748 : 2017 ISO 21748:2017	Guidance for the use of repeatability, reproducibility and trueness estimates in measurement uncertainty evaluation (First Revision)	May, 2022	-	Identical under single numbering
59	IS 2500 (Part 1):2000 ISO 2859-1:1999 ISO 2859-1:1999	Sampling procedures for inspection by attributes: Part 1 sampling schemes indexed by acceptance quality limit (AQL) for lot - By - Lot inspection (Third Revision)	September, 2021	2	Identical under dual numbering
60	IS 2500 (Part 5):2021 2859-4 ISO 2859-4: 2020	Sampling procedures for inspection by attributes -- Part 4: Procedures for assessment of declared quality levels ( First Revision)		-	Identical under dual numbering
61	IS 2500 (Part 4):2014 ISO 2859-3 : 2005 ISO 2859-3:2005	Sampling procedures for inspection by attributes: Part 4 skip - Lot sampling procedures	April, 2023	-	Identical under dual numbering
62	IS 2500 (Part 6):2014 ISO 2859-5 : 2005	Sampling procedures for inspection by attributes: Part 6 system of sequential sampling plans indexed	April, 2023	-	Identical under dual numbering

	ISO 2859-5:2005	by acceptance quality limit (AQL) for lot - By - Lot inspection			
63	IS 2500 (Part 3):2021 2500-3 ISO 2859-2 : 2020	Sampling procedures for inspection by attributes -- Part 2: Sampling plans indexed by limiting quality LQ for isolated lot inspection		-	Identical under dual numbering
64	IS/ISO 28591:2017 ISO 28591 : 2017 ISO 28591	Sequential Sampling Plans by Attributes	March, 2025	-	Identical under single numbering
65	IS/ISO 28592:2017 ISO 28592:2017 ISO 28592:2017	Double sampling plans by attributes with minimal sample sizes indexed by producers risk quality PRQ and consumers risk quality CRQ		-	Identical under single numbering
66	IS/ISO 28593:2017 ISO 28593 : 2017 ISO 28593	Acceptance Sampling Procedures by attributes "Accept Zero Sampling System Based on Credit Principle for Controlling Outgoing Quality	May, 2022	-	Identical under single numbering
67	IS/ISO 28594:2017 ISO 28594:2017 ISO 28594:2017	Combined accept-zero sampling systems and process control procedures for product acceptance		-	Identical under single numbering
68	IS/ISO 28598-1:2017 ISO 28598-1:2017 ISO 28598-1:2017	Acceptance sampling procedures based on the allocation of priorities principle APP Part 1: Guidelines for the APP approach		-	Identical under single numbering
69	IS/ISO 28598-2:2017 ISO 28598-2:2017 ISO 28598-2:2017	Acceptance sampling procedures based on the allocation of priorities principle APP Part 2: Coordinated single sampling plans for acceptance sampling by attributes		-	Identical under single numbering
70	IS/ISO 28640:2010 ISO 28640 : 2010 ISO 28640 : 2010	Random variate generation methods	April, 2023	-	Identical under single numbering
71	IS/ISO 28801:2011 ISO 28801 : 2011 ISO 28801 : 2011	Double Sampling Plans by Attributes with Minimal Sample Sizes, Indexed by Producer's Risk Quality (PRQ) and Consumer's Risk Quality (CRQ)	April, 2023	-	Identical under single numbering
72	IS/ISO 3951-3:2007 ISO 3951-3 : 2007 ISO 2007	Sampling procedures for inspection by variables: Part 3 double sampling schemes indexed by acceptance quality limit (AQL) for lot - By - Lot inspection	April, 2021	-	Identical under single numbering
73	IS/ISO 3951-4:2011 ISO 3951-4 : 2011 ISO 2011	Sampling procedures for inspection by variables: Part 4 procedures for assessment of declared quality levels	May, 2021	-	Identical under single numbering
74	IS/ISO 3951-5:2006 ISO 3951-5 : 2006 ISO 2006	Sampling procedures for inspection by variables: Part 5 sequential sampling plans indexed by acceptance quality Limit (AQL) for inspection by variables (Known Standard Deviation)	April, 2021	-	Identical under single numbering
75	IS/ISO 3951-2:2016 ISO 3951-2 : 2013 ISO 3951-2:2013	Sampling procedures for inspection by variables: Part 2 general specification for single sampling plans indexed by acceptance quality	October, 2021	-	Identical under single numbering

		limit (AQL) for lot - By - Lot inspection of independent quality characteristics			
76	IS/ISO 3951-1:2022 ISO 3951-1: 2022 ISO 3951-2	Sampling procedures for inspection by variables Part 1: Specification for single sampling plans indexed by acceptance quality limit AQL for lot-by-lot inspection for a single quality characteristic and a single AQL First Revision		-	Identical under single numbering
77	IS/ISO 39511:2018 ISO 39511 : 2018 39511	Sequential Sampling Plans for Inspection by Variables for Percent Nonconforming ( Known Standard Deviation )	March, 2025	-	Identical under single numbering
78	IS 397 (Part 6):2025 ISO 7870-6:2024 ISO 7870-6:2024	Methods for Statistical Quality Control During Production Part 6: EWMA control charts for the process mean First Revision		-	Identical under dual numbering
79	IS 397 (Part 9):2021 7870-9 ISO 7870-9: 2020	Methods for statistical quality control during production -- Part 9: Control charts for stationary processes	March, 2025	-	Identical under dual numbering
80	IS 397 (Part 10):2024 ISO 7870-2: 2023 ISO 7870-2: 2023	Methods for statistical quality control during production $\bar{X}$ & $s$ Part 10: Shewhart control charts		-	Identical under dual numbering
81	IS 397 (Part 8):2018 ISO 7870-8 : 2017 ISO 7870-8: 2018	Methods for Statistical Quality Control during Production Part 8 Charting Techniques for Short Runs and Small Mixed Batches	November, 2022	-	Identical under dual numbering
82	IS 397 (Part 3):2019 ISO 7870-5 : 2014 ISO 7870-5 : 2014	Methods for Statistical Quality Control during Production Part 3 Specialized Control Charts ( Second Revision )	April, 2023	-	Identical under dual numbering
83	IS 397:2021 ISO 7870-1	Methods for Statistical Quality Control during Production - Part 0 Guidelines for Selection of Control Charts	March, 2025	-	Not Equivalent
84	IS 397 (Part 5):2021 ISO 7870-3:2020 ISO 7870-3:2020	Methods for statistical quality control during production – Part 5: Acceptance control charts (First Revision)	March, 2025	-	Identical under dual numbering
85	IS 397 (Part 4):2022 7870-4 ISO 7870-4 : 2021	Methods for statistical quality control during production: Part 4 Cumulative sum charts Third Revision		-	Identical under dual numbering
86	IS 4905:2015 ISO 24153 : 2009 ISO 24153: 2009	Random sampling and randomization procedures (First Revision)	March, 2025	-	Identical under dual numbering
87	IS 5002:2024	Method for Determination of Sample Size to Estimate the Average Quality of a Lot or Process (First Revision)		-	Indigenous
88	IS 6200 (Part 1):2018	Statistical tests of significance: Part 1 normal, t - And f - Tests (Fourth Revision)	December, 2024	-	Indigenous
89	IS 6200 (Part 2):2004	Statistical tests of significance: Part 2 X <sup>2</sup> - Test (Second Revision)	May, 2020	-	Indigenous

90	IS 6200 (Part 3):2003	Statistical tests of significance: Part 3 tests for normality (Second Revision)	December, 2024	-	Indigenous
91	IS 6200 (Part 4):2008	Statistical tests of significance: Part 4 non - Parametric tests (First Revision)	December, 2024	-	Indigenous
92	IS 7200 (Part 1):2019	Presentation of statistical data: Part 1 tabulation and summarization (Third Revision)	June, 2025	-	Indigenous
93	IS 7200 (Part 2):1975	Presentation of statistical data: Part 2 diagrammatic representation of data	October, 2021	-	Indigenous
94	IS 7300:2003	Methods of regression and correlation (Second Revision)	March, 2025	-	Indigenous
95	IS 7600:1975	Analysis of variance	October, 2021	-	Indigenous
96	IS 7920 (Part 4):2016 ISO 3534-4 : 2013 ISO 3534-4:2013	Statistics - Vocabulary and symbols: Part 4 survey sampling	May, 2022	-	Identical under dual numbering
97	IS 7920 (Part 1):2012 ISO 3534-1:2006	Statistical - Vocabulary and symbols: Part 1 general statistical terms and terms used in probability (Third Revision)	April, 2022	-	Indigenous
98	IS 7920 (Part 2):2012 ISO 3534-2:2006 ISO 3534-2:2006	Statistics - Vocabulary and symbols: Part 2 applied statistics (Third Revision)	April, 2022	-	Identical under dual numbering
99	IS 7920 (Part 3):2018 ISO 3534-3 : 2013 ISO 3534-3:2013	Statistics - Vocabulary and symbols: Part 3 design of experiments (Third Revision)	October, 2022	-	Identical under dual numbering
100	IS 9300 (Part 1):1979	Statistical models for industrial applications: Part 1 discrete models	April, 2021	1	Indigenous
101	IS 9300 (Part 2):1989	Statistical models for industrial applications: Part 2 continuous models (First Revision)	June, 2025	2	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MSD 3 (28178)	Data ethics - Ethical use of Data by Organisation - Guidelines
2	MSD 3 (28266) Revision of: IS 6200:2003	Statistical Tests of Significance Part 3 Test for normality

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MSD 3 (00542)	Applications of statistical and related methods to new technology and product development process -- Robust parameter design RPD
2	MSD 3 (00435)	Sequential Sampling Plans for Inspection by Attributes Adoption of ISO 8422 2006
3	MSD 3 (00478) Revision of: IS 7200:2019	Presentation of statistical data Part 1 Tabulation and summarization Third Revision of IS 7200 Part 1
4	MSD 3 (00477) Revision of: IS 6200:2018	Statistical Tests of Significance - Part 1 Normal t- and F-Tests Fourth Revision of IS 6200 Part 1
5	MSD 3 (00545)	Methods for Quality Control During Production Part 5 Acceptance Control Charts Adoption of ISO 7870-3 2012
6	MSD 3 (00548) Revision of: IS 10645:2004	Statistical methods in process management -- Capability and performance Part 1 General principles and concepts Third Revision of IS 10645
7	MSD 3 (00549) Revision of: IS 10645:2004	Statistical methods in process management Capability and performance Part 2 Process Capability and Performance of time dependent process models
8	MSD 3 (00550) Revision of: IS 10645:2004	Statistical methods in process management - Capability and performance -- Part 3 Machine performance studies for measured data on discrete parts
9	MSD 3 (00552)	Sampling Procedures for Inspection by Variables Part 1 Specification for Single Sampling Plans Indexed by Acceptable Quality Limit AQL for Lot-by-Lot Inspection for a Single Quality Characteristic and a Single AQL
10	MSD 3 (00553)	Sampling Procedures for Inspection by Variables Part 2 General Specification for Single Sampling Plans Indexed by Acceptable Quality Limit AQL for Lot-by-Lot Inspection of Independent Quality Characteristics
11	MSD 3 (00554)	Sampling Procedures for Inspection by Variables Part 3 Double Sampling Schemes Indexed by Acceptable Quality Limit AQL for Lot-by-Lot Inspection
12	MSD 3 (00555)	Sampling Procedures for Inspection by Variables Part 4 Procedures for Assessment of Declared Quality Levels
13	MSD 3 (00556)	Sampling Procedures for Inspection by Variables Part 5 Sequential Sampling Plans Indexed by Acceptable Quality Limit AQL for Inspection by Variables known standard deviation
14	MSD 3 (00557)	Sampling Procedures for Inspection by Variables Part 6 Sequential Sampling Plans for Percent Nonconforming known Standard Deviation
15	MSD 3 (00439)	Statistical interpretation of data Part 4 Detection and treatment of outliers Superseded IS 8900 1978
16	MSD 3 (00441)	Statistical Interpretation of Data Part 7 Median Estimation and Confidence Intervals
17	MSD 3 (00442)	Statistical Interpretation of Data Part 8 Determination of Prediction Intervals
18	MSD 3 (00480) Revision of: IS 7920:2018	Statistics - Vocabulary and Symbols Part 3 Design of Experiments Third Revision of IS 7920 Part 3
19	MSD 3 (00482)	Statistical Interpretation of Data -- Part 6 Determination of Statistical Tolerance Intervals
20	MSD 3 (00481)	Statistics - Vocabulary and Symbols Part 4 Survey Sampling
21	MSD 3 (00535)	Capability of Detection Part 6 Methodology for the determination of the critical value and the minimum detectable value in Poisson distributed measurement by normal approximations Adoption of ISO 11843-6 2014
22	MSD 3 (00537)	Guidance on the application of statistical methods to quality and to industrial standardization
23	MSD 3 (00538)	Accuracy trueness and precision of measurement methods and results -- Practical guidance for the use of IS 15393 Part 2 2003 ISO 5725-2 1994 in designing implementing and statistically analyzing

		inter-laboratory reapeitability and reproducibility results
24	MSD 3 (00573)	Statistical Methods for use in proficiency testing by interlaboratory comparison
25	MSD 3 (00574)	Sampling Inspection Procedures - Part 1 Attribute Sampling Plans Indexed by Acceptable Quality Limit AQL for Lot-by-Lot Inspection Amendment - 2
26	MSD 3 (00587)	Robust estimation for location and scale parameters
27	MSD 3 (11681) Revision of: IS 397:2018	Methods for Statistical Quality Control During Production Part 4 Cumulative Sum Chart
28	MSD 3 (11801) Revision of: IS 397:2019	Methods for Statistical Quality Control during Production Part 3 Specialized Control Charts
29	MSD 3 (11802)	Methods for Statistical Quality Control during Production Part 6 EWMA Control Charts
30	MSD 3 (11803)	Methods for Statistical Quality Control during Production Part 8 Charting techniques for short runs and small mixed batches
31	MSD 3 (11804)	Statistical methods in process management - Capability and performance - Part 4 Process capability estimates and performance measures
32	MSD 3 (11805) Revision of: IS 10645:2019	Statistical methods in process management -- Capability and performance Part 2 Process capability estimates and performance of time-dependent process models
33	MSD 3 (11833) Revision of: IS/ISO 21748:2017	Guidance for the Use of Repeatability Reproducibility and Trueness Estimates in Measurement Uncertainty Evaluation
34	MSD 3 (12586) Revision of: IS 397:2003	Methods for Statistical Quality Control during Production - Part 0 Guidelines for Selection of Control Charts
35	MSD 3 (13403)	Capability of Detection Part 5 Methodology in the Linear and Non-Linear Calibration Cases Amendment - 1
36	MSD 3 (13843)	Sequential sampling plans for inspection by attributes
37	MSD 3 (13844)	Double sampling plans by attributes with minimal sample sizes indexed by producers risk quality PRQ and consumers risk quality CRQ
38	MSD 3 (13845)	Acceptance sampling procedures by attributes Accept-zero sampling system based on credit principle for controlling outgoing quality
39	MSD 3 (13846)	Combined accept-zero sampling systems and process control procedures for product acceptance
40	MSD 3 (13851)	Acceptance sampling procedures based on the allocation of priorities principle APP Part 1 Guidelines for the APP approach
41	MSD 3 (13852)	Acceptance sampling procedures based on the allocation of priorities principle APP Part 2 Coordinated single sampling plans for acceptance sampling by attributes
42	MSD 3 (15641)	Sequential sampling plans for inspection by variables for percent nonconforming known standard deviation
43	MSD 3 (16388) Revision of: IS 397:2015	Methods for statistical quality control during production Part 5 Acceptance control charts First Revision
44	MSD 3 (16390) Revision of: IS 2500:1995	Sampling procedures for inspection by attributes -- Part 2 Sampling plans indexed by limiting quality LQ for isolated lot inspection
45	MSD 3 (16391) Revision of: IS 2500:2014	Sampling procedures for inspection by attributes -- Part 4 Procedures for assessment of declared quality levels First Revision
46	MSD 3 (16392) Revision of: IS 15393:2003	Accuracy trueness and precision of measurement methods and results -- Part 2 Basic method for the determination of repeatability and reproducibility of a standard measurement method
47	MSD 3 (16393) Revision of: IS 15393:2003	Accuracy trueness and precision of measurement methods and results -- Part 4 Basic method for the determination of the trueness of a standard measurement method First Revision
48	MSD 3 (16408) Revision of: IS 2:1960	RULES FOR ROUNDING OFF NUMERICAL VALUES Second Revision
49	MSD 3 (16413) Revision of: IS/ISO 11843:2013	Capability of detection -- Part 6 Methodology for the determination of the critical value and the minimum detectable value in Poisson distributed measurements by normal approximations First Revision
50	MSD 3 (16414)	Capability of detection Part 7 Methodology based on stochastic properties of instrumental noise
51	MSD 3 (17548) Revision of: IS 397:2018	Methods for statistical quality control during production Part 4 Cumulative sum charts Third Revision
52	MSD 3 (17549) Revision of: IS 10645:2016	Statistical methods in process management - Capability and performance Part 3 machine performance studies for measured data on discrete parts Fourth Revision
53	MSD 3 (17561)	Methods for statistical quality control during production -- Part 9 Control charts for stationary processes
54	MSD 3 (17857)	Sampling procedures for inspection by attributes Part 1 sampling schemes indexed by acceptance quality limit AQL for lot - By - Lot inspection Third Revision Amendment - 3
55	MSD 3 (18231)	Application of statistical and related methods to new technology and product development process

		Robust tolerance design RTD
56	MSD 3 (19733)	Statistical methods in process management Capability and performance Part 5 Process capability estimates and performance for attributive characteristics
57	MSD 3 (19734)	Statistical methods in process management Capability and performance Part 6 Process capability statistics for characteristics following a multivariate normal distribution
58	MSD 3 (19735)	Statistical methods in process management Capability and performance Part 7 Capability of measurement processes
59	MSD 3 (19736)	Statistical methods in process management Capability and performance Part 8 Machine performance of a multi-state production process
60	MSD 3 (19737)	Guidelines for implementation of statistical process control SPC Part 4 Reference data sets for measurement process analysis software validation
61	MSD 3 (19738)	Capability of detection Part 8 Guidance for the implementation of the ISO 11843 series
62	MSD 3 (20721) Revision of: IS/ISO 3951:2013	Sampling procedures for inspection by variables Part 1 Specification for single sampling plans indexed by acceptance quality limit AQL for lot-by-lot inspection for a single quality characteristic and a single AQL First Revision
63	MSD 3 (20963) Revision of: IS 14277:1996	Statistical Interpretation of Test Results Estimation of Mean Standard Deviation and Regression Coefficient Confidence Interval
64	MSD 3 (20969) Revision of: IS 1548:1981	Manual on Basic Principles of Lot Sampling Third Revision
65	MSD 3 (21307) Revision of: IS/ISO 13528:2015	Statistical methods for use in proficiency testing by interlaboratory comparison
66	MSD 3 (21325)	RULES FOR ROUNDING OFF NUMERICAL VALUES Second Revision
67	MSD 3 (22839) Revision of: IS 5002:1969	Method for Determination of Sample size to Estimate the Average Quality of a lot or Process First Revision
68	MSD 3 (23314)	Methods for statistical quality control during production Part 10 Shewhart control charts
69	MSD 3 (24997)	Quality of Measurement Results Criteria for Variation in Repeat-Replicate Testing
70	MSD 3 (26672) Revision of: IS 397:2018	Methods for Statistical Quality Control During Production Part 6 EWMA control charts for the process mean First Revision
71	MSD 3 (27775)	Capability of detection Part 2 methodology in the linear calibration case Amendment - 1
72	MSD 3 (27776)	Accuracy Trueness And Precision of measurement methods and results Part 5 alternative methods for the determination of the precision of a standard measurement method Amendment - 1
73	MSD 3 (27778)	Accuracy Trueness And Precision of measurement methods and results Part 6 use in practice of accuracy values Amendment - 1
74	MSD 3 (27939) Revision of: IS 6200:2004	Statistical Tests of Significance Part 1 Normal t- Chi-squared F-Tests First Revision
75	MSD 3 (27963)	Statistical Methods - Guidelines for the Evaluation of Conformity with Specified Requirements
76	MSD 3 (28031)	Statistical methods in process management Capability and performance Part 7 Capability of measurement processes Amendment - 1
77	MSD 3 (28078)	Statistical methods Six Sigma Basic criteria underlying benchmarking for Six Sigma in organisations
78	MSD 3 (28093)	Capability of detection Part 5 methodology in the linear and non - Linear calibration cases Amendment - 1
79	MSD 3 (28095)	Quantitative Methods in Process Improvement - Six Sigma - Competencies for Key Personnel and their Organizations in relation to Six Sigma and Lean Implementation
80	MSD 3 (28687) Revision of: IS 15393:2003	Accuracy trueness and precision of measurement methods and results Part 1 General principles and definitions
81	MSD 3 (28690) Revision of: IS 15393:2003	Accuracy trueness and precision of measurement methods and results Part 3 Intermediate precision and alternative designs for collaborative studies
82	MSD 3 (28692) Revision of: IS 6356:2021	Capability of detection Part 7 Methodology based on stochastic properties of instrumental noise
83	MSD 3 (28696)	Experimental designs for evaluation of uncertainty Use of factorial designs for determining uncertainty functions

**Total Published Standards:99 Total Standards Under development:85**

### Aspect Wise Report

Product : 1  
Code of Practices : 10

Methods of Test : 21  
Terminology : 4  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 61  
Service Specification : 0  
Process Specification : 0  
Unclassified : 2

**Annexure-I :List of Indian Standards Withdrawn/Superseded**

SI. No.	IS No. & Year	Title
1	IS 10645:2004	Methods for Estimation of Process Capability and Process Performance
2	IS 12801:1989	Pareto Diagram And Cause And Effect Diagram
3	IS 13131:1991	Statistical Tolerance Interval - Methods for Determination
4	IS 14977:2001	Control charts based on inspection by gauging
5	IS 16188:2017 ISO 8422 : 2006 ISO 8422:2006	Sequential sampling plans for inspection by attributes
6	IS 16510:2016 ISO 8423:2008	Sequential sampling plans for inspection by variables for percent nonconforming Known Standard Deviation
7	IS/ISO/TR 22971:2005 ISO/TR 22971 : 2005 ISO/TR 22971 : 2005	Accuracy Trueness and Precision of Measurement Methods and Results - Practical Guidance for the Use of ISO 5725-2 1994 in Designing Implementing and Statistically Analysing Interlaboratory Repeatability and Reproducibility Results
8	IS 2500 (Part 2):1965	Sampling inspection procedures Part 2 inspection by variables for percent defective
9	SP 28:1994	Handbook on Statistical Quality Control
10	IS 397 (Part 2):2003	Method for statistical quality control during production Part 2 control charts for attributes Third Revision
11	IS 397 (Part 1):2003	Method for statistical quality control during production Part 1 control charts for variables Second Revision
12	IS 5420 (Part 1):1969	Guide on precision of test methods Part 1 Principles and applications
13	IS 5420 (Part 2):1973	Guide on precision of test methods Part 2 Inter laboratory testing
14	IS 8900:1978	Criteria for the rejection of outlying observations

**Annexure-II :List of Indian Product Standards**

SI. No.	IS No. & Year	Title
1	IS 16179:2026	Statistical Methods - Guidelines for the Evaluation of Conformity with Specified Requirements