

ISO 19157:2013-12 (E)

Geographic information - Data quality

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	2
5	Abbreviated terms	4
5.1	Abbreviations	4
5.2	Package abbreviations	5
6	Overview of data quality	5
7	Components of data quality	6
7.1	Overview of the components	6
7.2	Data quality unit	7
7.3	Data quality elements	8
7.4	Descriptors of data quality elements	11
7.5	Metaquality elements	14
7.6	Descriptors of a metaquality element	15
8	Data quality measures	16
8.1	General	16
8.2	Standardized data quality measures	16
8.3	User defined data quality measures	16
8.4	Catalogue of data quality measures	16
8.5	List of components	17
8.6	Component details	18
9	Data quality evaluation	20
9.1	The process for evaluating data quality	20
9.2	Data quality evaluation methods	21
9.3	Aggregation and derivation	23
10	Data quality reporting	23
10.1	General	23
10.2	Particular cases	24
Annex A (normative) Abstract test suites		26
Annex B (informative) Data quality concepts and their use		28
Annex C (normative) Data dictionary for data quality		34
Annex D (normative) List of standardized data quality measures		50
Annex E (informative) Evaluating and reporting data quality		96

Annex F (informative) Sampling methods for evaluating	119
Annex G (normative) Data quality basic measures	127
Annex H (informative) Management of data quality measures	132
Annex I (informative) Guidelines for the use of Quality Elements	135
Annex J (informative) Aggregation of data quality results	144
Bibliography	146