

# ISO/TS 19138:2006-12 (E)

## Geographic information - Data quality measures

---

<b>Contents</b>	<b>Page</b>
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Conformance .....	1
3 Normative references .....	1
4 Terms and definitions .....	1
5 Relationships to other standards .....	2
6 Register .....	3
7 Components of a data quality measure .....	3
7.1 List of components .....	3
7.2 Component details .....	4
7.3 Standardized data quality measures .....	6
Annex A (normative) Abstract test suite .....	7
A.1 Test case identifier: Component test .....	7
A.2 Test case identifier: Name test .....	7
A.3 Test case identifier: Data quality element and subelement test .....	7
A.4 Test case identifier: Data quality basic measure test .....	8
A.5 Test case identifier: Definition test .....	8
A.6 Test case identifier: Description test .....	8
A.7 Test case identifier: Parameter test .....	8
A.8 Test case identifier: Data quality value type test .....	8
A.9 Test case identifier: Source reference test .....	9
A.10 Test case identifier: Example test .....	9
Annex B (normative) Structure of data quality measures .....	10
B.1 Components defining a data quality measure .....	10
B.2 Mapping of the components to ISO 19115 and ISO 19135 .....	11
B.3 UML-diagram for data quality measure .....	11
Annex C (normative) Data quality basic measures .....	14
C.1 Purpose of data quality basic measures .....	14
C.2 Counting-related data quality basic measures .....	14
C.3 Uncertainty-related data quality basic measures .....	15
Annex D (normative) List of data quality measures .....	19
D.1 Completeness .....	19
D.2 Logical consistency .....	23
D.3 Positional accuracy .....	37
D.4 Temporal accuracy .....	58
D.5 Thematic accuracy .....	61
Bibliography .....	68