SLOVENSKI STANDARD
SIST EN ISO 19157:2015/oprA1:2017

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Geografske informacije - Kakovost podatkov - Dopolnino 1: Opisovanje kakovosti podatkov z uporabo slojev (ISO 19157:2013/DAmd 1:2017)

Geographic information - Data quality - Amendment 1: Describing data quality using coverages (ISO 19157:2013/DAmd 1:2017)

Information géographique - Qualité des données - Amendement 1: Décrire la qualité des données en utilisant les couvertures (ISO 19157:2013/DAmd 1:2017)

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03.120.99	Drugi standardi v zvezi s kakovostjo	Other standards related to quality
07.040	Astronomija. Geodezija. Geografija	Astronomy. Geodesy. Geography
35.240.70	Uporabniške rešitve IT v znanosti	IT applications in science

SIST EN ISO 19157:2015/oprA1:2017 en,fr,de

DRAFT AMENDMENT

ISO 19157:2013/DAM 1

ISO/TC **211**

Secretariat: **SIS**

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Geographic information — Data quality

AMENDMENT 1: Describing data quality using coverages

Information géographique — Qualité des données

AMENDEMENT 1: Décrire la qualité des données en utilisant les couvertures

ICS: 35.240.70

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The committee responsible for this document is ISO/TC 211 *Geographic information/Geomatics.*

Introduction

The purpose of this document is to add a fourth method for describing the data quality of geographic information using a coverage geospatial type. This method was previously defined in ISO 19115-2:2009 extending the data quality model in ISO 19115:2003. Since the data quality model was moved to ISO 19157 with the revision of 19115 (ISO 19115-1) this one data quality class, QE_CoverageResult, is best moved to ISO 19157 as well.

Geographic information — Data quality

AMENDMENT 1: Describing data quality using coverages

Page 1, Clause 3

Delete: ISO 19115-2:2009, *Geographic information — Metadata — Part 2: Extensions for imagery and gridded data*

Page 5, 5.2

Delete: QE Quality Extended [ISO 19115-2:2009]

Page 7, 7.1

Replace Figure 2 with the following:

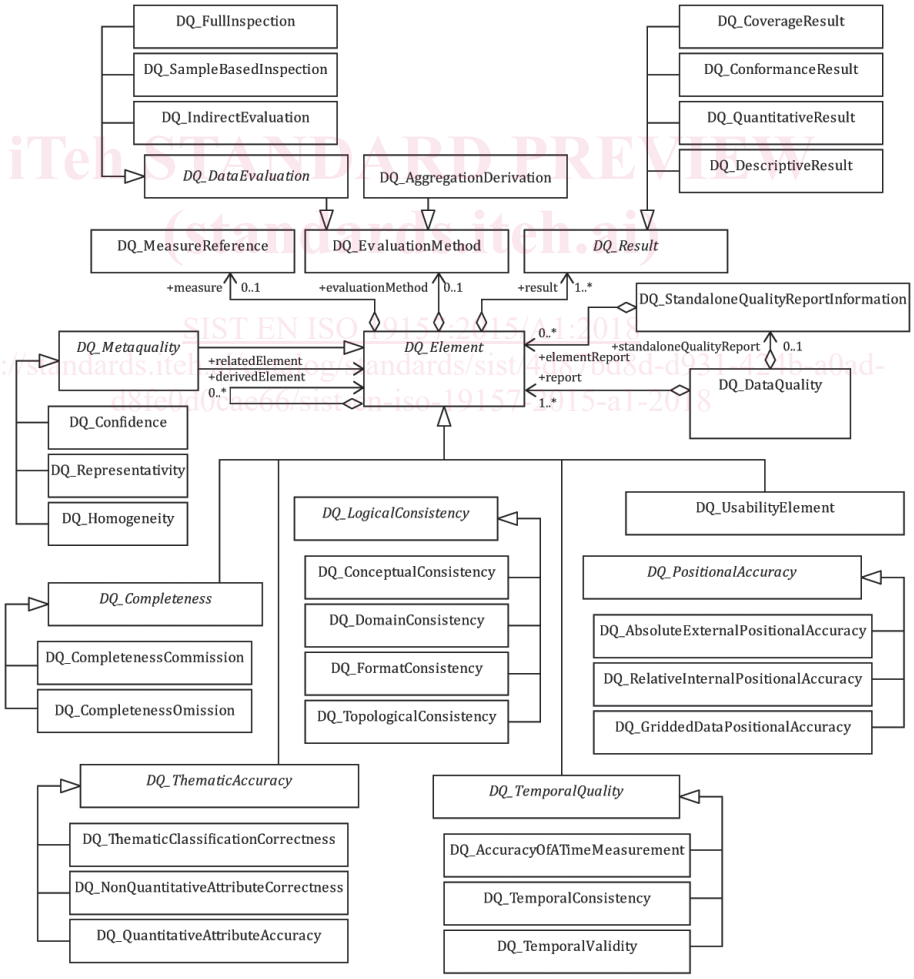

Figure 2 — Overview of the components of data quality

Page 13, 7.4.4.

Replace Figure 8 with the following:

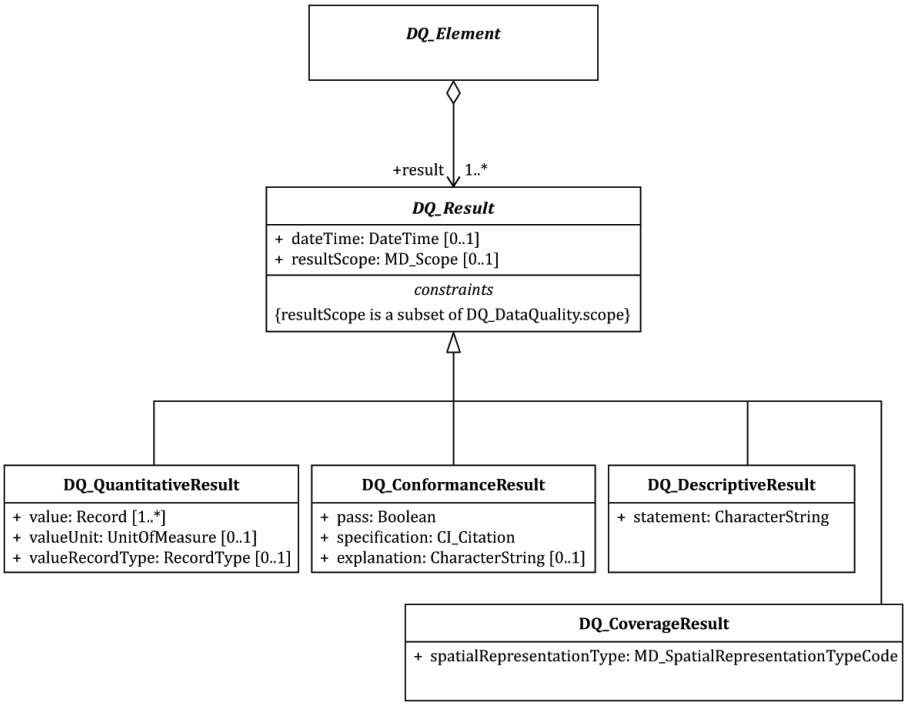

Figure 8 — Data quality result

Page 14, 7.4.4.5

Replace 7.4.4.5 with the following:

7.4.4.5 Coverage result

A coverage result is the result of a data quality evaluation, organized as a coverage, see Figure 8.1

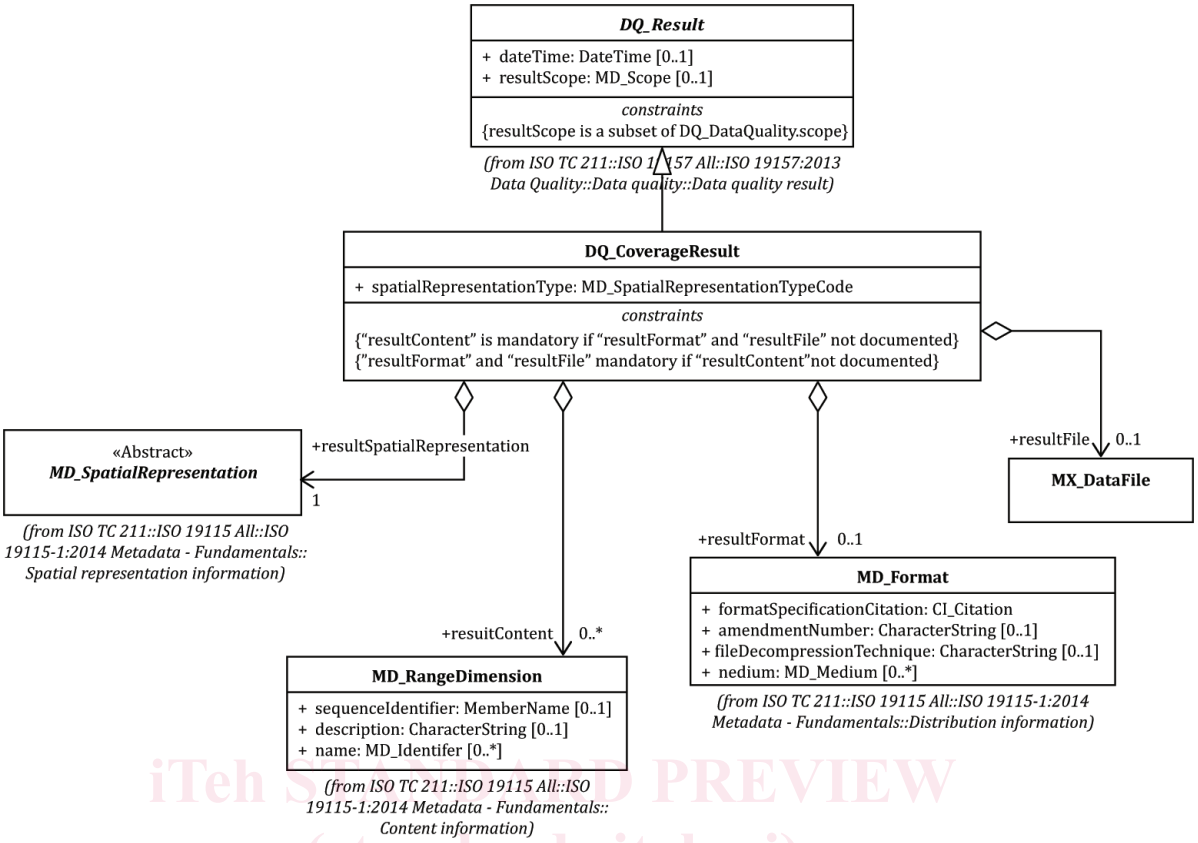

Figure 8.1 — Coverage result

Page 23, 10.1, 1st paragraph

Replace 10.1, 1st paragraph with the following:

Data quality shall be reported as metadata in compliance with Clause 7, Clause 10, Annex C, and ISO 19115-1:2014

Page 26, A.3 a)

Replace A.3 a), with the following:

a) Test purpose: To verify that the data quality metadata is reported in conformance with ISO 19115-1:2014.

Pages 42, 43 and 44, C.2.1.5

Replace Table C.5 with the following:

Table C.5 — Data quality result

	Name / Role Name	Definition	Obligation / Condition	Maximum occurrence	Data type	Domain
56.	*DQ_Result*	generalization of more specific result classes	Use obligation from referencing object	Use maximum occurrence from referencing object	Class <<Abstract>>	Line 57-58
57.	resultScope	scope of the result	O	1	Class	MD_Scope (ISO 19115-1)
58.	dateTime	Date when the result was generated	O	1	Class	DateTime (see ISO/ TS 19103:2005)
59.	DQ_ConformanceResult	information about the outcome of evaluating the obtained value (or set of values) against a specified acceptable conformance quality level	Use obligation from referencing object	Use maximum occurrence from referencing object	Specified Class (DQ_Result)	Lines 60-62 and 57-58
60.	specification	citation of product specification or user requirement against which data is being evaluated	M	1	Class	CI_Citation <<DataType>> (see ISO 19115-1:2014, B.3.2.1)
61.	explanation	explanation of the meaning of conformance for this result	O	1	CharacterString	Free text
62.	pass	indication of the conformance result where 0 = fail and 1 = pass	M	1	Boolean	1 = yes 0 = no
63.	DQ_QuantitativeResult	the values or information about the value(s) (or set of values) obtained from applying a data quality measure	Use obligation from referencing object	Use maximum occurrence from referencing object	Specified Class (DQ_Result)	Lines 64-66 and 57-58
64.	value	Quantitative value or values, content determined by the evaluation procedure used, accordingly with the value type and valueStructure defined for the measure	M	N	Class	Record (see ISO/ TS 19103:2005)
65.	valueUnit	value unit for reporting a data quality result	O	1	Class	UnitOfMeasure (see ISO/TS 19103:2005)
66.	valueRecordType	value type for reporting a data quality result, depends on the implementation	O	1	Class	RecordType <<Metaclass>> (see ISO/TS 19103:2005)
67.	DQ_DescriptiveResult	data quality descriptive result	Use obligation from referencing object	Use maximum occurrence from referencing object	Specified Class (DQ_Result)	Lines 68 and 57-58
68.	statement	textual expression of the descriptive result	M	1	CharacterString	Free text
68.1	DQ_CoverageResult	result of a data quality measure organising the measured values as a coverage	Use obligation from referencing object	Use maximum occurrence from referencing object	Specified class (DQ_Result)	Lines 68.2-68.6 and 57-58