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**AMENDMENT 1**  
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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*

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This document was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics*.

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## Geographic information — Data quality

### AMENDMENT 1: Describing data quality using coverages

*Page 1, Clause 3*

Delete normative reference:

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

*Page 1, Clause 3*

Change normative reference:

ISO/TS 19103:2005, *Geographic information — Conceptual schema language*

to

ISO 19103:2015, *Geographic information — Conceptual schema language*

in Clause 3 and in all other instances throughout the document, to reflect the new version.

*Page 1, Clause 3*

Change normative reference:

ISO 19135:2005, *Geographic information — Procedures for item registration*

to

ISO 19135-1:2015, *Geographic information — Procedures for item registration — Part 1: Fundamentals*

in Clause 3 and in all other instances throughout the document, to reflect the new version.

*Page 5, 5.2*

Delete:

QE Quality Extended [ISO 19115-2:2009]

Replace Figure 2 with the following:

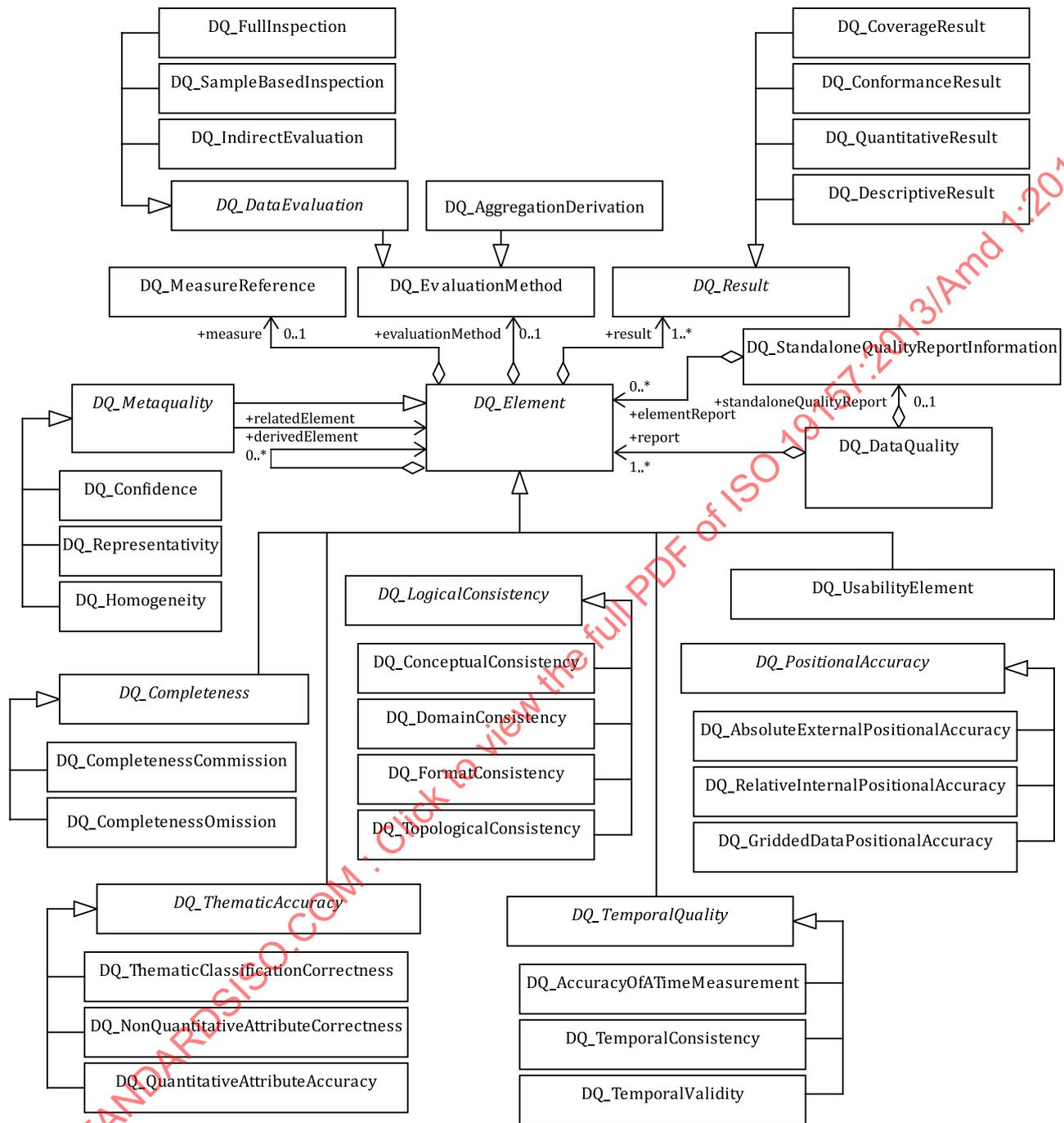


Figure 2 — Overview of the components of data quality

Replace Figure 8 with the following:

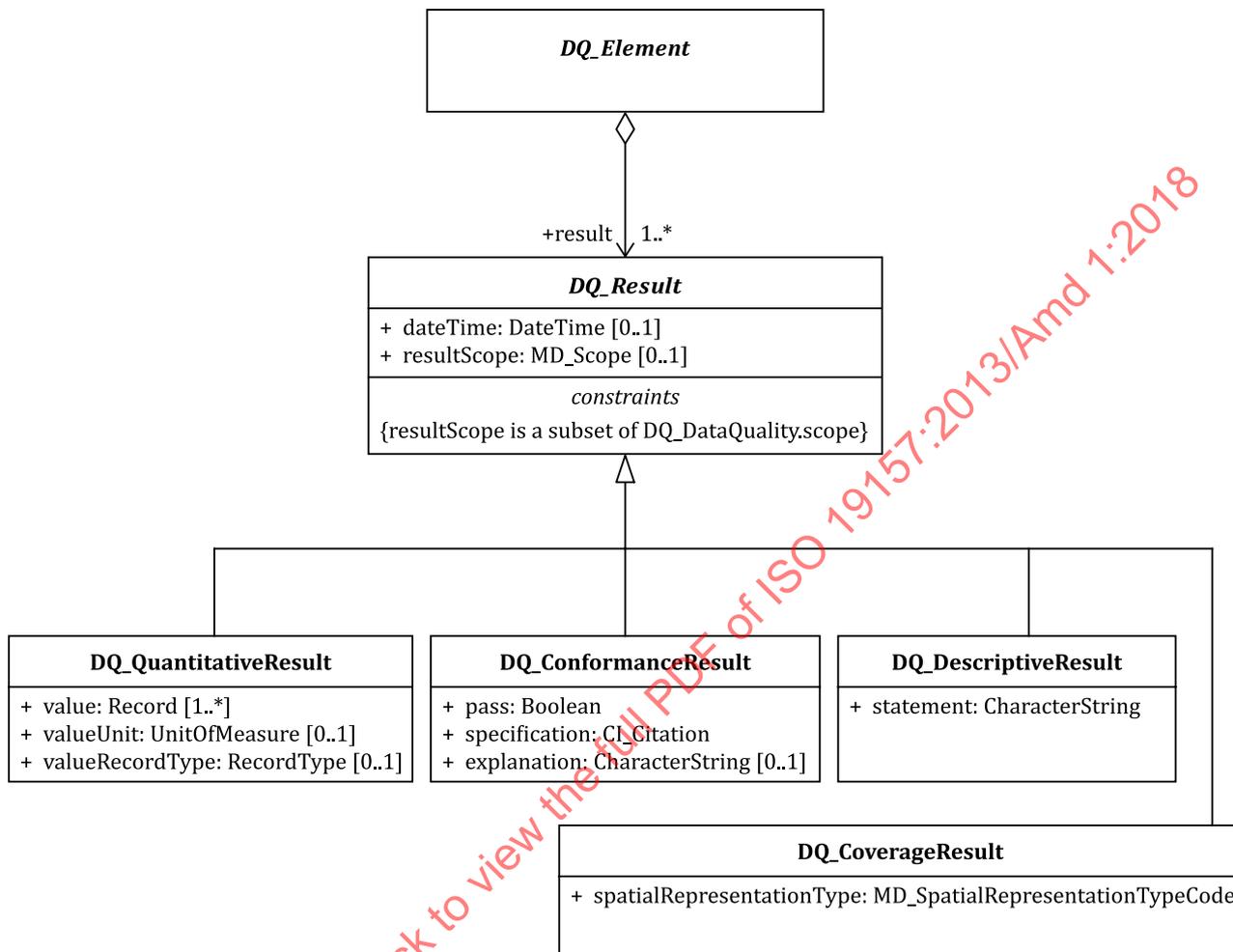


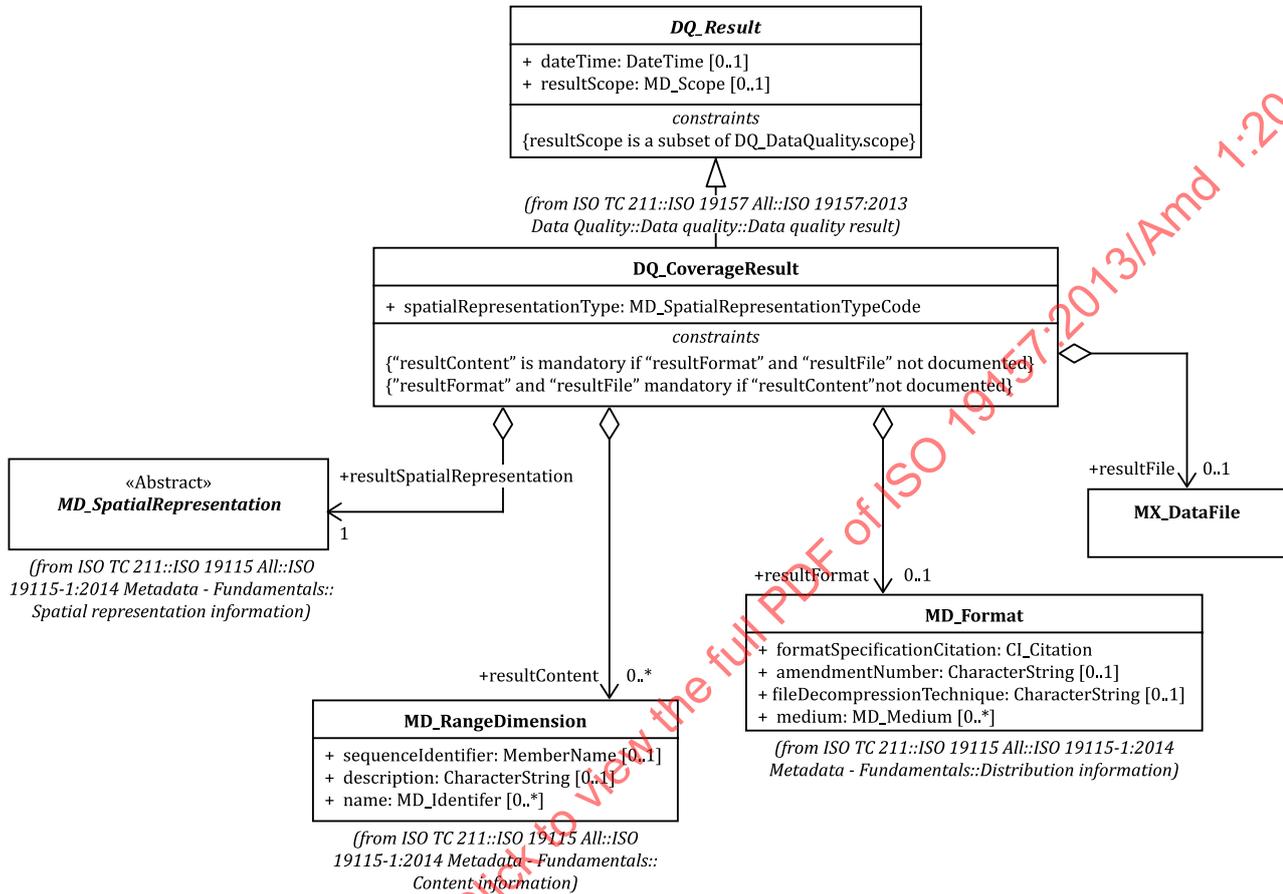
Figure 8 — Data quality result

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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**

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.

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.	<i>DQ_Result</i>	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	0	1	Class	MD_Scope (ISO 19115-1)
58.	dateTime	Date when the result was generated	0	1	Class	DateTime (see ISO 19103:2015)
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 are 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	0	1	Character-String	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 19103:2015)