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## ANNEX

### METADATA IMPLEMENTING RULES

#### PART C

##### Instructions on multiplicity and conditions of the metadata elements

The metadata describing a resource shall comprise, as regards a spatial data set or a spatial data set series, the metadata elements or groups of metadata elements listed in Table 1 and, as regards a spatial data set service, the metadata elements or groups of metadata elements listed in Table 2.

Those metadata elements or groups of metadata elements shall be in accordance with the expected multiplicity and the related conditions set out in Tables 1 and 2.

When no condition is expressed in relation to a particular metadata element, that element shall be mandatory.

The tables present the following information:

- the first column contains the reference to the paragraph in Part B of the Annex defining the metadata element or group of metadata elements,
- the second column contains the name of the metadata element or group of metadata elements,
- the third column specifies the multiplicity of a metadata element. The expression of the multiplicity follows the unified modelling language (UML) notation for multiplicity, in which:
  - 1 means that there shall be only one instance of this metadata element in a result set,
  - 1..\* means that there shall be at least one instance of this element in a result set,
  - 0..1 indicates that the presence of the metadata element in a result set is conditional but can occur only once,
  - 0..\* indicates that the presence of the metadata element in a result set is conditional but the metadata element may occur once or more,
  - when the multiplicity is 0..1 or 0..\*, the condition defines when the metadata elements is mandated,
- the fourth column contains a conditional statement if the multiplicity of the element does not apply to all types of resources. All elements are mandatory in other circumstances.

TABLE 1

Metadata for spatial data sets and spatial data set series

Reference	Metadata elements	Multiplicity	Condition
1.1	Resource title	1	
1.2	Resource abstract	1	
1.3	Resource type	1	
1.4	Resource locator	0..*	Mandatory if a URL is available to obtain more information on

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			the resource, and/or access related services.
1.5	Unique resource identifier	1..*	
1.7	Resource language	0..*	Mandatory if the resource includes textual information.
2.1	Topic category	1..*	
3	Keyword	1..*	
4.1	Geographic bounding box	1..*	
5	Temporal reference	1..*	
6.1	Lineage	1	
6.2	Spatial resolution	0..*	Mandatory for data sets and data set series if an equivalent scale or a resolution distance can be specified.
7	Conformity	1..*	
8.1	Conditions for access and use	1..*	
8.2	Limitations on public access	1..*	
9	Responsible organisation	1..*	
10.1	Metadata point of contact	1..*	
10.2	Metadata date	1	
10.3	Metadata language	1	

TABLE 2

## Metadata for spatial data services

Reference	Metadata element	Multiplicity	Condition
1.1	Resource title	1	
1.2	Resource abstract	1	
1.3	Resource type	1	
1.4	Resource locator	0..*	Mandatory if linkage to the service is available.

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1.6	Coupled resource	0..*	Mandatory if linkage to data sets on which the service operates are available.
2.2	Spatial data service type	1	
3	Keyword	1..*	
4.1	Geographic bounding box	0...*	Mandatory for services with an explicit geographic extent.
5	Temporal reference	1..*	
6.2	Spatial resolution	0..*	Mandatory when there is a restriction on the spatial resolution for this service.
7	Conformity	1..*	
8.1	Conditions for access and use	1..*	
8.2	Limitations on public access	1..*	
9	Responsible organisation	1..*	
10.1	Metadata point of contact	1..*	
10.2	Metadata date	1	
10.3	Metadata language	1	

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**Changes and effects yet to be applied to the whole legislation item and associated provisions**

- Annex 1-3 inserted by [S.I. 2018/1338 reg. 10\(6\)](#)
- Annex 4 Annex renumbered as Annex 4 by [S.I. 2018/1338 reg. 10\(7\)](#)
- Annex 4 Pt. B para. 7.1 word substituted by [S.I. 2018/1338 reg. 10\(8\)\(f\)\(ii\)\(bb\)](#)
- Annex 4 Pt. B para. 7.1 words inserted by [S.I. 2018/1338 reg. 10\(8\)\(f\)\(ii\)\(aa\)](#)
- Annex 4 Pt. B para. 5 words omitted by [S.I. 2018/1338 reg. 10\(8\)\(c\)](#)
- Annex 4 Pt. B para. 7.1 words omitted by [S.I. 2018/1338 reg. 10\(8\)\(f\)\(i\)](#)
- Annex 4 Pt. B para. 7.2 words omitted by [S.I. 2018/1338 reg. 10\(8\)\(g\)](#)
- Annex 4 Pt. D para. 2 words omitted by [S.I. 2018/1338 reg. 10\(10\)\(a\)](#)
- Annex 4 Pt. B para. 3 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(a\)](#)
- Annex 4 Pt. B para. 4 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(b\)](#)
- Annex 4 Pt. B para. 6 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(d\)](#)
- Annex 4 Pt. B para. 7 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(e\)\(i\)](#)
- Annex 4 Pt. B para. 7 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(e\)\(ii\)](#)
- Annex 4 Pt. B para. 8.1 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(h\)](#)
- Annex 4 Pt. B para. 8.2 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(i\)\(i\)](#)
- Annex 4 Pt. B para. 8.2 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(i\)\(ii\)](#)
- Annex 4 Pt. B para. 9 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(j\)](#)
- Annex 4 Pt. B para. 10 words substituted by [S.I. 2018/1338 reg. 10\(8\)\(k\)](#)
- Annex 4 Pt. C words substituted by [S.I. 2018/1338 reg. 10\(9\)](#)
- Annex 4 Pt. D para. 2 words substituted by [S.I. 2018/1338 reg. 10\(10\)\(b\)](#)
- Annex 4 Pt. D para. 2 words substituted by [S.I. 2018/1338 reg. 10\(10\)\(c\)](#)
- Annex 4 Pt. D para. 2 words substituted by [S.I. 2018/1338 reg. 10\(10\)\(d\)](#)