



MEDIN v3.0 to v3.1 Metadata Standard

Change log

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Introduction

This is a list of changes applied to the MEDIN v3.0 guidance document, required as a consequence of work arising through developments of the GEMINI v2.3 discovery metadata profile, and through ongoing work on developments of MEDIN tools and interactions within the MEDIN Standards Working Group. The results of the changes are that the MEDIN guidance document has iterated to v3.1.

Changes

Change number	Section of standard affected	Change details
1	Cover page	Added in section on licence conditions for using Standard, following CC-BY, including logo.
2	Throughout document	Added hyperlinks to appropriate Annex wherever an Annex is referenced in each element text.
3	Section 2. Data Discoverability	Two paragraphs added to text, highlighting issue of consent for signposting of personal data as a consequence of GDPR
4	Section 2. Data Discoverability	New Section 2.1. Date and time formatting included to guide users on the ISO 8601 combinations allowed to represent date and time. Resulted in edits to Elements 11.2.3, 13.2.3, 15.2.3, 16.1.2, 16.2.2, 16.3.2, 16.4.1, 16.4.2, 25.1.3 and 26 so their text refers back to Section 2.1.
5	Table in Section 3. Using this document	For element 'Unique resource identifier', changed requirement level for services to N/A as this element is not relevant to services. Altered Spatial Resolution requirement level for services to N/A Altered Temporal Reference requirement level for services to Mandatory
6	Element 31 Hierarchy Level Name	Example in v3.0 of standard was incorrect and should only have text that stated "series" or "service" – not a short title.

		Fixed this by removing example 3 and changed example 2 to 'service'. Altered encoding example to refer to 'series' and not a free text abstract-style description.
7	Element 5 Resource locator	Part of the XML example for how Resource Locator was encoded was changed to match GEMINI (see detailed description below)
8	Element 6 Unique resource identifier	Changed conditionality to C to reflect that it is not applicable to services. Added text to indicate lack of applicability to services. Encoding wrongly stated use of RS_Identifier so corrected to MD_Identifier. Sub-element 6.1 re-worded to state explicitly that for DOIs, the resource needs to be encoded with an xlink anchor to the URL of the doi landing page. Added in encoding example showing how DOIs should be encoded in the XML.
9	Element 7 Coupled resource	Changed example URL to refer to medin.portal.org.uk instead of oceannet.portal.org
10	Element 32 Spatial representation type	Clarified that list of spatial representation types is a subset of ISO codelist, not entire code list. Also adjusted appendix M to only show appropriate terms.
11	Element 12 Geographic bounding box	Changed the guidance around defining a single point to match GEMINI, stating that in this use case, both e/w and n/s boundaries should match. Remove encoding example that was in v3.0 for single point as this was not the GEMINI encoding.
12	Element 13 Extent	Minor edit to clarify that comment about c64 vocabulary specifically relates to Charting Progress 2, and not to the wider ICES areas and rectangles which are mentioned in the same sentence.
13	Element 15 Spatial Reference System	Sub-Element 15.1 typo 'occurrences' replaced by 'occurrences'
14	Element 16 Temporal reference	Changed requirement level to Mandatory as Date of publication is mandatory for services. Revised order and numbering of sub-elements so that Date of Publication comes first, as the only mandatory sub-element Begin date and end date are conditional for services, so re-worded to reflect this. Edited examples so that the date formats were correct – v3.0 showed 00s in dates

		<p>when absence is more appropriate e.g. shift from 1952-06-00 to just 1952-06</p> <p>Added in a line into Section 16.4 Temporal Extent mandating that beginPeriod and endPeriod XML must have an ID related to it and provided details, including that resource UUID is allowed as id.</p>
15	Element 18 Spatial resolution	<p>Changed requirement level for services to not applicable as ISO 19193 cannot service spatial resolution in XML. Added in a line after the section on recording service resolution in the Abstract, clarifying that the spatial resolution for services refers to the spatial resolution of the datasets/series that the service operates on. Removed mention of services from sub-element 18.1.</p> <p>Added clarification that, for distance, decimal values as well as integers are acceptable.</p>
16	Element 19 Additional information	<p>Updated main text of element to clarify that DOI references to sources of additional information are included. Added Example 3 and an XML encoding example to include a DOI reference to a journal article.</p>
17	Element 20 Limitations on public access	<p>Changed occurrence level for main element to single occurrence.</p> <p>Change occurrence level for sub-element 20.1 to single occurrence.</p> <p>Removed reference to ISO allowing different options to 'otherRestrictions'</p> <p>Sub-element 20.2 re-drafted to make clear that one entry must reference the INSPIRE Metadata registry via an xlink Anchor but other additional entries do not have that requirement.</p> <p>Added XML example with two accessConstraints, one not using xlink</p>
18	Element 21 Conditions for access and use	<p>Added sentence to main text explaining what the difference is between 'conditions applying for access and use' and 'limitation on public access'.</p> <p>Changed occurrence level for main element to single occurrence.</p> <p>Re-drafted text in Conditions for Access and Use to clarify single occurrence of UseConstraints but multiple occurrences of otherConstraints. To help this, changed element structure to introduce two new sub-elements, 21.1. Use Constraints and 21.2 Other Constraints – these were</p>

		implicit in v3.0 but have now been made explicit. Element 21.1 now has text to cover INSPIRE requirement of use of otherRestrictions. Element 21.2 text provides guidance on what other constraints may be.
19	Element 22 Responsible party	Added reminder to main text that supply of personal information needs to account for GDPR as newly described in Section 2. Data Discoverability. Emphasised in example XML encoding that Metadata Point of Contact is encoded in a different space to the other responsible party roles e.g. MD_Metadata/gmd:contact as opposed to gmd:identificationInfo/gmd:pointofContact Removed facsimile from one of the examples
20	Element 25 Conformity	Updated text to clarify that one conformity statement must reference an INSPIRE specification, even if only to indicate the data resource is not conformant. Text now indicates this requirement is applicable to both series/dataset and service metadata. Added in a reference to C48 as vocabulary required to reference the MEDIN data guidelines. Sub-element 25.2 typo "identifies" changed to "identifies" In the example XML, added the GEMINI example of how to encode conformance when the dataset is unknown/inapplicable.
21	Element 27 Metadata standard name	Changed text and encoding example to show that use of the controlled vocabulary M25 is now mandatory for this element. Edited description to indicate text content should be the preferred label of the anchor element that points to the concept in M25. Edited text example to reflect preferred label of MEDIN element in M25.
22	Element 28 Metadata Standard version	Changed version number from 3.0 to 3.1 in example and XML example
23	Annex B	Changed text to say that files are available from MEDIN via request and they will be published on the MEDIN website
24	Table L13 Annex J	Typo in description of bathyberthentic: 'inorporates' replaced by 'incorporates'

Change 6 detailed description

Resource locator encoding in v3.0 included the following line in the example XML:

```
<gmd:distributionFormat gco:nilReason="inapplicable"/>
```

This differed from the encoding in GEMINI 2.3 and was accordingly replaced in v3.1 by the following XML snippet

```
<gmd:distributionFormat>
  <gmd:MD_Format>
    <gmd:name>
      <gco:CharacterString>Unknown</gco:CharacterString>
    </gmd:name>
    <gmd:version gco:nilReason="inapplicable" />
  </gmd:MD_Format>
</gmd:distributionFormat>
```