

RFC-023 Response 4

1. Please provide your name, organization and contact information, including email address. (This information will not be shared.)

2. Are you answering for your entire organization, for a smaller group, or individually?

a) Entire organization

b) Smaller group (please specify) MetSis development

c) Individual response

3. Are you a data producer, data consumer, or both?

a) Producer b) Consumer c) Both

4. Please describe how the DIF is used in your organization.

We use DIF as one of our metadata-formats to exchange metadata information. Metadata is harvested and exported to international partners i.e. for IPY purposes in DIF to GCMD and for the WMO Information System (WIS) in ISO19139

5. Does this technical note contain internal inconsistencies? If so, please provide details.

I don't understand the need of 'Online_Resource'. The 'Related_URL' field could cover that.

It don't see how to translate this from/to ISO. ISO has a similar field: gmd:dataSetURI, but that field allows for multiple instances and allows for URIs in addition to URLs. The Related_URL equivalent in ISO is, I think, gmd:distributionInfo/gmd:MD_Distribution/gmd:transferOptions/gmd:MD_DigitalTransferOptions/gmd:onLine/gmd:CI_OnlineResource/gmd:linkage/gmd:URL.

6. Is any part of the technical note ambiguous or poorly explained? If so, please provide details.

As mentioned in a e-mail earlier to Scott A. Ritz, the dates as:
DIF_Creation_Date Last_DIF_Revision_Date Future_DIF_Review_Date
Dataset_Release_Date Start_Date Stop_Date Publication_Date
should allow for second resolution as the DateTime in ISO, i.e. YYYY-MM-DDThh:mm:ssZ

Currently, the type of the dates is a 'xsd:string' which is very lax. It might be easier for producers to set it to 'xsd:date' or 'xsd:dateTime'.

We would also like to extend the list of Related_URL/Type with two fields to be able to connect the DIF to the WMO Global Telecommunication System (GTS), which contains a 24 hour cache of near real-time data. We use currently for that the GTSFileIdentifier and the GTSInstancePattern:

```
<Related_URL>
  <URL_Content_Type>
    <Type>GTSFileIdentifier</Type>
  </URL_Content_Type>
  <URL>urn:x-wmo:md:int.wmo.wis.test3::IUSA11ENMI</URL>
  <Description>
    File-Identifier connecting to Global Telecommunication System (GTS)
  </Description>
</Related_URL>
<Related_URL>
  <URL_Content_Type>
    <Type>GTSInstancePattern</Type>
  </URL_Content_Type>
  <URL>A_IUSA11ENMI*_ENMI_*</URL>
  <Description>
    Instance pattern connecting to GTS 24hour cache
  </Description>
</Related_URL>
```

This is then translated to WIS compatible ISO19139 metadata as:

```
<gmd:fileIdentifier><gco:CharacterString>urn:x-
wmo:md:int.wmo.wis.test3::UENO12ENMI</gco:CharacterString></gmd:fileIdentifi
er>
```

...

```
<gmd:identifier>
  <gmd:RS_Identifier id="InstancePattern">
    <gmd:code>
      <gco:CharacterString>A_UENO12ENMI*_ENMI_*</gco:CharacterString>
    </gmd:code>
    <gmd:codeSpace>
      <gco:CharacterString>Instance Pattern of WIS GIS
      Cache</gco:CharacterString>
    </gmd:codeSpace>
  </gmd:RS_Identifier>
</gmd:identifier>
```

7. How will your organization or group respond to the DIF changes documented in this technical note? In particular, do you plan to update existing DIFs to take advantage of the new sub-fields available for publications / references?

We will adapt the changes as soon as possible.