

citation.date

Information about when events happen is critical for documenting many kinds of resources. The ISO CI_Date structure includes a value for a date /dateTime and a type for that value. The translation used is:

AdditionalAttribute/Name > gmd:CI_Date/gmd:dateType/gmd:CI_DateTypeCode

AdditionalAttribute/Values/Value > gmd:CI_Date/gmd:date/gco:DateTime

This approach has some immediate validation problems. ISO assumes that the date/datetime are compliant with [ISO 8601](#) and there is a controlled codeList for ISO date types (CI_DateTypeCode). The ECHO data do not conform to either of these requirements.

Examples:

ECHO: /Granule/AdditionalAttributes/AdditionalAttribute

```
<AdditionalAttribute>
  <Name>EarliestAcquisitionDate</Name>
  <Values>
    <Value>1984-12-09Z</Value>
  </Values>
</AdditionalAttribute>
<AdditionalAttribute>
  <Name>LatestAcquisitionDate</Name>
  <Values>
    <Value>2001-03-26Z</Value>
  </Values>
</AdditionalAttribute>
```

ISO: /gmi:MI_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date

```
<gmd:date>
  <gmd:CI_Date>
    <gmd:date>
      <gco:DateTime>1984-12-09Z</gco:DateTime>
    </gmd:date>
    <gmd:dateType>
      <gmd:CI_DateTypeCode codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodeLists.xml#CI\_DateTypeCode"
        codeListValue="EarliestAcquisitionDate">EarliestAcquisitionDate</gmd:CI_DateTypeCode>
      </gmd:dateType>
    </gmd:CI_Date>
  </gmd:date>
  <gmd:date>
    <gmd:CI_Date>
      <gmd:date>
        <gco:DateTime>2001-03-26Z</gco:DateTime>
      </gmd:date>
      <gmd:dateType>
        <gmd:CI_DateTypeCode codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCodeLists.xml#CI\_DateTypeCode"
          codeListValue="LatestAcquisitionDate">LatestAcquisitionDate</gmd:CI_DateTypeCode>
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
```