

4.0. CIF dictionary register dictionary

CIFDIC_DICTIONARY

The single category CIFDIC_DICTIONARY contains all the attributes required to identify and locate an individual public CIF dictionary file. Although the primary version of this dictionary is maintained as a DDL1 dictionary, the data names have an embedded period character after the category prefix to allow strict isomorphism with a DDL2 equivalent.

Example 1 – extract from the IUCr CIF dictionary register identifying several revisions of the core CIF dictionary.

```
loop_
  _cifdic_dictionary.name
  _cifdic_dictionary.version
  _cifdic_dictionary.DDL_compliance
  _cifdic_dictionary.reserved_prefix
  _cifdic_dictionary.URL
  _cifdic_dictionary.description
  cif_core.dic . 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cif_core.dic
    'Core CIF Dictionary'
  cif_core.dic 1.0 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cifdic.C91
    'Original Core CIF Dictionary'
  cif_core.dic 2.0.1 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cif_core_2.0.1.dic
    'Core CIF Dictionary'
  cif_core.dic 2.1 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cif_core_2.1.dic
    'Core CIF Dictionary'
  cif_core.dic 2.2 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cif_core_2.2.dic
    'Core CIF Dictionary'
  cif_core.dic 2.3 1.4 .
    ftp://ftp.iucr.org/pub/cifdics/cif_core_2.3.dic
    'Core CIF Dictionary'
```

_cifdic_dictionary.DDL_compliance (char)

The version string of the CIF dictionary definition language (DDL) used to record data item attributes in the dictionary.

Appears in list.

[cifdic_dictionary]

_cifdic_dictionary.description (char)

A succinct textual description of the dictionary.

Appears in list.

[cifdic_dictionary]

_cifdic_dictionary.name (char)

The string used as an identifying label within the dictionary file (as data item **_dictionary_name** for DDL1 dictionaries or **_dictionary.title** for DDL2 dictionaries).

Appears in list as essential element of loop structure.

[cifdic_dictionary]

_cifdic_dictionary.reserved_prefix (char)

A prefix reserved for use within a dictionary not maintained directly by COMCIFS. The value of this data item must match an entry in the register of reserved prefixes maintained by COMCIFS (<http://www.iucr.org/iucr-top/cif/spec/reserved.html>). The special CIF value '.' ('inapplicable') is used in the case of COMCIFS-maintained dictionaries.

Appears in list.

[cifdic_dictionary]

_cifdic_dictionary.URL (char)

The uniform resource locator (URL) at which the dictionary may be found on the web.

Appears in list as essential element of loop structure.

[cifdic_dictionary]

_cifdic_dictionary.version (char)

The string used as a version identifier within the dictionary file (as data item **_dictionary_version** for DDL1 dictionaries or **_dictionary.version** for DDL2 dictionaries). This may be any legitimate string, but COMCIFS practice recommends a version identifier of the form n.m.l..., where n, m, l, ... are integers referring to progressively less significant revision levels. The special CIF value '.' is used to indicate the current version.

Appears in list as essential element of loop structure.

[cifdic_dictionary]