

Institute code under INSTITUTE and FACILITY

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Institute where experimental facility is located is useful information for various purposes (assignment of compilation, evaluation of research activity etc.) and it should be easily accessible from the database. To distinguish this from institutes with which authors are affiliate clearly, we would propose following revision of rules:

1. Institutes coded under INSTITUTE

The EXFOR Format manual explains that keyword INSTITUTE can contain institutes of facilities. But this is not written in LEXFOR. We would propose to limit codes under INSTITUTE for institutes to which authors belong.

2. Institutes coded under FACILITY

We can omit the institute code in the second field of FACILITY when there is only one institute code under INSTITUTE. But we cannot know whether the location of facility is omitted or it is not written in the article. So we would propose to fill the second field always when it is known.

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1. Institutes coded under INSTITUTE

There are two different rules in the EXFOR Formats Manual and LEXFOR for coding of institutes under INSTITUTE:

EXFOR Formats Manual (IAEA-NDS-207, February 2008):

“The laboratory, institute, or university at which the experiment was performed, or with which the authors are affiliated”

LEXFOR (IAEA-NDS-208, February 2008)

“The laboratories, institutes, or universities with which all authors are affiliated”

We would propose to delete the underlined part from the EXFOR Formats Manual.

2. Institutes code under FACILITY

The EXFOR Formats Manual explains the format of coded information for FACILITY as below:

“Defines the main apparatus used in the experiment.

...

If coded information is given it may be given:

- in either of the general forms (see page 3.2) with code(s) from Dictionary 18,
- or a facility code from Dictionary 18 may be followed by an institute code from Dictionary 3, which specifies the location of the facility. When two or more institutes are given under the keyword INSTITUTE, then a facility code is always followed by the appropriate institute code.”

According to this rule, the institute code may be omitted if there is only one institute code under INSTITUTE. Under this rule, however, we cannot distinguish the following two cases when only a facility code is coded:

- 1) The location of the facility is coded under INSTITUTE
- 2) The location of the facility is unknown.

In order to solve this problem, we would propose to update the manual as follows:

“Defines the main apparatus used in the experiment with its location.

...

2. The format of coded information is: (facility, institute).

Facility Field: a code from Dictionary 18. This field must be present.

Institute Field: a code from Dictionary 3. This field must be present except when the location is not known.”