

STATUS: Format extension and LEXFOR revision

(N. Otsuka, V. Zerkin, 2022-08-12, Memo CP-D/1053, A63)

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Memo CP-D/1053

Following Action 63 of the NRDC 2022 meeting (“Propose an extension of the code field for the keyword STATUS to accommodate the reference code string”), we propose the following revision in the EXFOR Formats Manual:

STATUS. For use of this keyword see LEXFOR, **Status.**

1. Presence is obligatory when relevant. May contain free text or coded information, with or without free text.
2. The coded information is entered in:
 - (a) either of the general forms with codes from Dictionary 16.
 - (b) or as coded information with two fields:

(code,subaccession#)

Code Field: code from Dictionary 16.

Subaccession# Field: cross-reference to an EXFOR subaccession number. Cnnnn001 refers to the entire entry Cnnnn. Cnnnn000 refers to a yet unassigned subentry within the entry Cnnnn. This field is only permitted for the codes COREL, DEP, OUTDT, RNORM, and SPSDD.

The subaccession number field is always included for these codes, with the following exceptions:

- the codes SPSDD and OUTDT, where, in some cases, no cross reference may exist.
- older subentries for which this field was not entered.

- (c) or as coded information with four fields:

(code,,author,reference)

Author field: first author, coded as under AUTHOR, followed by + when more than one author exists. This field is optional, and only permitted for the codes CURVE and TABLE; if omitted, the following comma is always included.

Reference field: This field is optional and only permitted for the codes CURVE and TABLE. The coding rules of this field are exactly same as those for the Reference field of MONIT-REF.

Example:

STATUS (SPSDD,10048009) - this subentry is superseded by subentry 10048009.

STATUS (TABLE,,S.Takacs+,J,ARI,136,133,2018) Tables 2 and 3- data taken from Tables 2 and 3 of S.Takacs et al., Appl.Radiat.Isot.136(2018)133

3. For case 2.b, ...

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To implement Conclusion 27 of the NRDC 2022 meeting

“When the numerical data are copied from a table or digitized from a figure of a reference, the table or figure number must follow the status code TABLE or CURVE and the code string of the reference under the keyword STATUS even if only one reference is coded under REFERENCE. Note that (1) the reference code string coded under STATUS and REFERENCE must be the same, and (2) the table/figure number must be in free text.”,

with extension of the STATUS format proposed in CP-D/1053, I propose following revision in the LEXFOR “Status”:

Source of the Data

The actual source from which the numerical values given in the data set were taken must be entered with a clear citation in free text under STATUS.

When the author's original numerical values have been lost or are not obtainable, data read from graphs, if available, should be entered into EXFOR for completeness. Data of this type should be labelled with the status code **CURVE**.

When the numerical data are plotted or tabulated in an article, its reference must be coded following **CURVE** or **TABLE** and a trailing comma. The reference must be the primary reference when it provides the figure or table.

Example:

STATUS (CURVE, ,M.Brendle+, J,ZP/A,285,293,1978) Fig. 1

STATUS (TABLE, ,O.Schwerer+, J,NP/A,264,105,1976) Table 2

STATUS (TABLE, ,I.Gheorghe+, J,PR/C,96,044604,2017) Fig.11

For the last example, the date of receipt must be coded under **HISTORY**:

Example:

HISTORY (20210108R) Data received from I.Gheorghe by email.

When unpublished numerical values were received through private communication, the ~~first author and~~ date of receipt should be under **HISTORY** rather than **STATUS**.

Example:

STATUS (TABLE) Data (unpublished) received from M.Brendle.

HISTORY (20220815R) Received from M.Brendle by an email.

Note:

Older entries may have been labelled only under the keyword comment or history.

Regarding revision of the format rule proposed in Memo CP-D/1053, it would be better to treat the reference field as a mandatory field when the author is coded, for example,

(code,,author,reference)

Author field: first author, coded as under AUTHOR, followed by + when more than one author exists. This field is optional, and only permitted for the codes CURVE and TABLE; if omitted, the following comma is always included.

Reference field: This field is optional and only permitted for the codes CURVE and TABLE. **This field must be present if the author field is not absent.** The coding rules of this field are exactly same as those for the Reference field of MONIT-REF.