

Omission of data type field (SF9) in MONITOR and ASSUMED

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The values coded under MONITOR and ASSUMED are often taken from a data library, handbook etc. and their data types are typically evaluated (EVAL) or recommended (RECOM). Indication of the data type in SF9 is usually omitted for these keywords, but sometimes I see it. I propose omission of the SF9 field for these keywords for better consistency.

Proposed revision in the EXFOR Formats Manual “ASSUMED” and “MONITOR”:

ASSUMED*Current description*

Reaction field and quantity field: coded as under the keyword REACTION (see Chapter 6).

Proposed description

Reaction Field: coded as under the keyword REACTION except that subfield 9 is always omitted.

MONITOR*Current description*

Reaction Field. The coding rules are identical to those for REACTION, except that subfields 5 to 9 may be omitted when only the reaction is known. (In this case, no monitor information will be given in the COMMON or DATA section).

Proposed description

Reaction Field: coded as under the keyword REACTION except that subfield 9 is always omitted.

(N.B. The current rule allows omission of SF5-SF9 under MONITOR, but I do not see such an example in EXFOR Master Ver. 2023-02-27.)