

Memo 4C-3/201

To: Distribution

21 March 1977

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and H.D. Lemmel **MDL**

Subject: TRANS 3022

Reference: 4C-1/~~411~~ of 77/2/28

We appreciate the comments given to our entries in the above-mentioned TRANS tape. We agree to all points and will submit the retransmissions as requested, except for the following items:

30063: This will be retransmitted only after conversion to REACTION formalism, where the more appropriate quantity code for this case exists. For the time being it should stay in the file as it is.

300338. and 30341.:

We believe that NNCSC's comments on these entries are not correct. To code the half-life of a metastable residual nucleus under HALF-LIFE and HL is a "should-rule" but not a "must-rule", and correctly so. (See Lexfor page "Isomeric States").

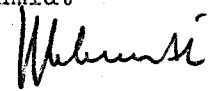
Kachapag (CP-8/6 p. 7) requested that the unambiguous identification of an isomer is obligatory, but without requesting a specific format.

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file



In the present cases, the half-life value was by purpose not entered in the data table but only in the free text, because it was only, as indicated, a guess by the compiler, not confirmed by the author.

It would be dangerous for later machine processing of the data, if vague guesses of half-life values were entered in machine intelligible way without any possible distinction from author's confirmed half-life values. One may consider using the "ASSUMED" formalism in such cases.

These entries will not be retransmitted, except after confirmation of the half-life value by the author, in which case the half-life will be coded in the standard form.

30339. The correction made by NNCSC is wrong. The nuclide extension G must be used only for nuclides which have metastable states. (See Lexfor under "Isomeric States").

30350.004+009: We do not agree. In these subentries the STANDARD must not be entered. The information "data deduced from that and that subentry" is all one can enter.

If a STANDARD is coded one would usually assume that the DATA can be updated for a revised STANDARD value by a multiplication with the factor "(revised STANDARD value/old STANDARD value as coded)". This would lead to wrong results if the STANDARD were given in subentries .004 and .009.

ENDTRANS: NNCSC's comment is correct, but corresponding revision of program has very low priority.