MEMORANDUM 4C-2/68

Date :   22nd December, 1975

From :   Anton Schofield

Subject :   1. TRANS 2023. X4 Dictionnary 14 additions
              2 errors.
              2. Ref. MEMO 4C-1/66.

1.   The following quantities, mentioned in LEXFOR under 'Multilevel Resonance Parameters', were used in TRANS 2023 :

RGN/WID	20445.004
RF1/WID	"
RF2/WID	"
RNR/WID	20445.006
RFT,RES	20445.008

The underlined codes were omitted by mistake.

2.   Thanks for changing headings of 20434.003 to acceptable form. We had used E-MIN E-MAX instead of E E-MIN E-MAX as we had not found any reference in the EXFOR + LEXFOR manual that this would be unacceptable, although we realized that it could create difficulties at programming level.

          May we use this occasion to propose a rule, open to future discussion (for this reason, we will give it the strongest formulation !), that if any other than temporary constraints are to be added to coding rules, these should on no account originate from programming considerations ? Excluding the case of black box programs, it should be possible to implement the above E-MIN, E-MAX feature by adding a statement like 'if E-MAX = blank then E-MAX = E-MIN' applied to the content of E-MIN and E-MAX columns. All cases may not be as simple to implement as this one, but the point we would like to make is that a temporary problem for the programmer may be preferable to a permanent problem for the coder.

          If. however a data table representation such as 20434.003 in TRANS 2020 is established as being illegal with reference to a determined item in EXFOR+LEXFOR, it will then of course be the responsibility of the transmitting centre to implement any changes required in the compiler - EXFOR interface, thus keeping coding rules free from any restrictions.