

Memo 4C-3/180

To: Distribution
From: P.M. Attree + H.D. Lemmel *KDL*
Subject: Implementation of CPND Exfor for NND
Reference: Memo 4C-1/84 of 1976/6/9 by C.L. Dunford

Following the items as given in Memo 4C-1/84 the NDS position for implementing CPND Exfor is as follows:

1. The required Dictionaries have been completed, though discussion about some details continue and some changes are expected. The CPND supplement to the Manual will be submitted soon, at latest before the end of the year.
2. Concerning the checking programs, we believe that a center producing entries in CPND Exfor format should at least carefully check the coding under REACTION, whereas a thorough checking of the other new items (MONITOR, DECAY-DATA, RAD-DET, ADD-RES, FACILITY), though important, seems to be not of the same urgency. Accordingly, we will give priority to the checking under REACTION. This can be programmed at any time, but the actual timing will depend on the ideas of the other centers about the implementation schedule.
3. Our Listing Programs do basically also work for CPND Exfor, though in the "Edit" Listing a REACTION code is not yet expanded. The programming of this expansion will be given priority whenever an implementation date is foreseeable within the near future.

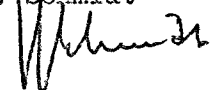
Our Plotting Programs have not yet been linked to Exfor. They are therefore not relevant to the implementation of CPND Exfor.

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- 4.-6. Our indexing programs, library-merge programs and library-retrieval programs work for ISO-QUANT as well as for REACTION type entries.
7. Computation format generation and processing programs are being planned for accepting ISO-QUANT as well as REACTION type entries, and need not be ready when Exfor transmission starts in CPND format.
8. General comments:

A link between REACTION/MONITOR and RAD-DET/DECAY--DATA is not needed, and we can accept any mixture of old and new keywords within an entry and within a TRANS tape. Note that PART-DET seems anyway acceptable also in connection with REACTION.

We are prepared to receive immediately NND entries coded in CPND format.

We believe that we can produce entries in CPND format on two-months notice, and we are looking forward to receiving from the other centres notification when they will be prepared to receive CPND format entries.

Finally we would like to emphasize that we prefer to introduce the CPND Exfor format for NND rather sooner than later.