

Date: April 19, 1979
From: S. Pearlstein
Subject: Protocol Updates

The updates attached are needed in the protocol due to the conversion to the REACTION formalism and the fact that EXFOR communications are now done via CP memos.


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2. Accession numbers used

Once transmitted, no accession or subaccession number should be reused for another entry or subentry. The accession number of a deleted entry (subentry) should not be used for another entry (subentry).

E. EXFOR DICTIONARIES

1. Updating of Dictionaries

- a) To prevent duplications and conflicts, the NDS is responsible for the coordination and the updating of the EXFOR dictionaries.
- b) Alterations (meaning additions, corrections or deletions) to EXFOR dictionaries can be termed consequential, which would entail changes in transmitted data, and thus required Four-Centre approval, or inconsequential, which would not entail changes in transmitted data or Four-Centre approval. Without exception, all changes to Dictionaries 1,2,4,10,11,12,16,24,28,29,30,31,32,33,34, and 35 are consequential and require Four-Centre approval.
- c) Consequential Dictionary Alterations
Alterations of EXFOR dictionary entries which entail changes to data already transmitted cannot be implemented without specific Four-Centre approval.
- d) Inconsequential Dictionary Alterations
Proposals for alterations of EXFOR dictionary entries which do not entail changes to data already transmitted, and which do not fall in the Dictionary list given in E.1.b. above, should be submitted by the centres to NDS together with their mnemonic terms and definitions via Four-Centre Memo. NDS shall transmit the approved dictionary entries to all centres simultaneously, in the form of photocopies of the input forms used for the NDS dictionary update program.
- e) In their function to update EXFOR dictionaries, the NDS is given some latitude in reformulating the definition, but must not change the meaning without the approval of the originating centre. In questionable cases NDS shall consult with the other three centres for their opinions. It is the responsibility of each Centre to update its own sets of Dictionaries.

2. Routine Transmission of Dictionaries

The NDS will transmit a complete set of dictionaries to the other three centres every three months, as a separate EXFOR transmission.

F. COMPILERS' MANUAL

1. The EXFOR Compilers' Manual, LEXFOR, is designed as a companion to the EXFOR Manual giving more detailed guidelines for compilers on the specification and compilation of the data to be transmitted in EXFOR, as mutually agreed on by the data centres. Included are definitions of physics terms, their nomenclature and interrelations.
2. Changes and revisions to LEXFOR follow the same procedures as with the EXFOR Manual (see section H. below), in accordance with the conventions laid down in the EXFOR Manual.
3. The centre responsible for the updating of LEXFOR is the NNDC.

G. EXFOR COMMUNICATIONS BETWEEN CENTRES

Two forms of documents are used for the proper distribution and referencing of all documentation on EXFOR.

1. CP Memos for the communication of proposals, programming details and other general considerations which touch upon the overall aspect of EXFOR. This series of memoranda are numbered as follows:

Memo-CP-n/m

(where n is the centre identification number, and m the chronological memo number within the centre).

2. Four-Centre Memos for the communication of details dealing only with neutron data or other Four-Centre (non-EXFOR) matters, e.g. WRENDA, CINDA.
3. Exchange Format Memos for the transmittal of updating EXFOR Manual pages. This series of memoranda is issued by the NNDC only, to each of the other three centres, and is numbered as follows:

Memo-X4-m

(where m is the chronological memo number).

H. CHANGES AND REVISIONS OF EXFOR

1. No changes in the structure of EXFOR will be allowed without Four Centre agreement.
2. If any one of the four centres proposes an alteration which would result in changes of the EXFOR structure and content, it will be the responsibility of the centre originating such proposal to obtain four centre agreement, following the procedure outlined in Paragraph H.3, below.
3. The following procedure should be followed by each of the four centres in obtaining the agreement to every one of its proposals to change or revise EXFOR within the context of Paragraph H.2, above; all communications with regard to such proposal shall be in the form of Four-Centre Memos.
 - a) The initial proposal should be disseminated to all four centres.
 - b) In the case where there is discussion on a proposal, the initiating centre shall then collect and digest all comments, suggestions and counter proposals.