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**Memo CP-D/697**

**Date:** 16 May 2011  
**To:** Distribution  
**From:** N. Otsuka

**Subject: Progress in EXFOR corrections**

Statistics of EXFOR corrections and changes to the EXFOR Feedback List are summarized below:

**1. Statistics**

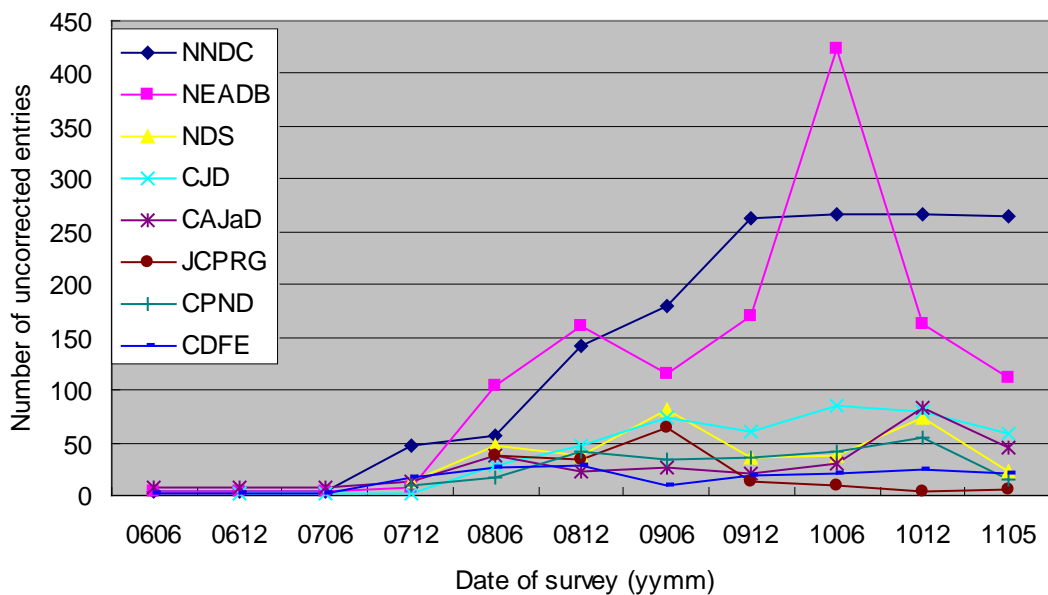
**Table 1** shows a list of total *uncorrected* coding mistakes on

- A. EXFOR Feedback List ([http://www-nds.iaea.org/nrdc/error/exfor\\_err1.html](http://www-nds.iaea.org/nrdc/error/exfor_err1.html));
- B. WPEC SG30 List ([http://www-nds.iaea.org/nrdc/error/exfor\\_err3.html](http://www-nds.iaea.org/nrdc/error/exfor_err3.html)).

The time evolution of the total accumulated uncorrected errors is shown in **Fig.1**. Considerable improvement has been made by NEA Data Bank between June and December 2010..

**Table 1:** Number of uncorrected coding mistakes (EXFOR Feedback List)

Centre (Area)	NNDC (1,C,L,T)	NEA DB (2,O)	NDS (3,D,S,V)	CJD (4)	CAJaD (A,B)	JCPRG (E,J,K,R)	CPND (F)	CDFE (M)
<b>Feedback</b>	281	115	23	58	45	10	16	21
<b>SG30</b>	18	2	0	2	7	0	1	1

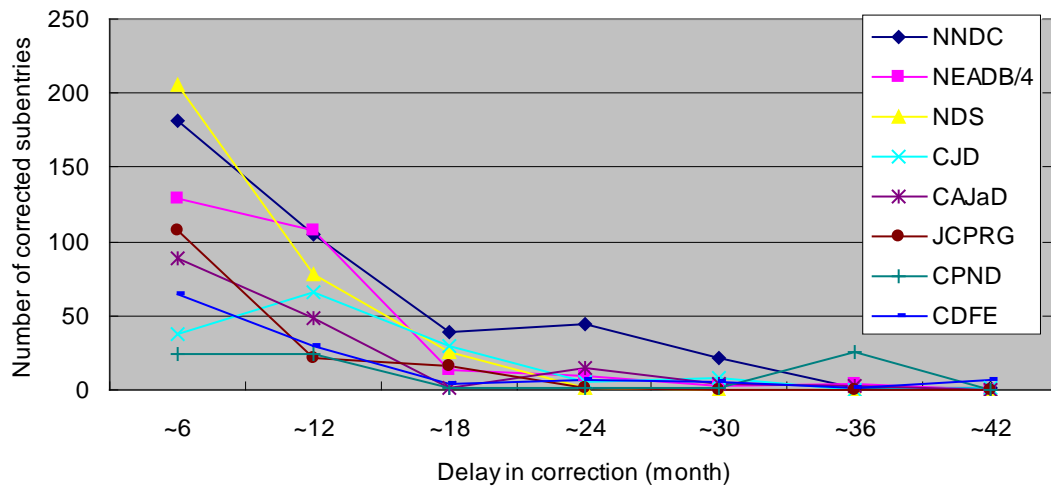


**Fig.1:** Time evolution of the total number of uncorrected errors in the feedback list

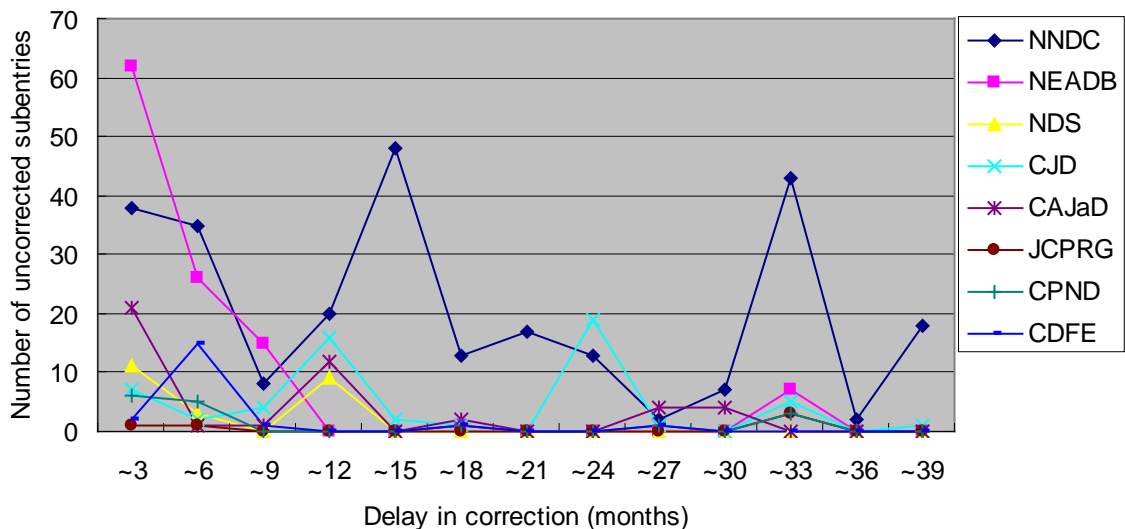
Distributions of delay time are shown in **Figs. 2** and **3** for corrected and uncorrected entries, respectively. “Date of correction” was defined by the N2 value in the TRANS record. Averages months spent or waiting for corrections are also summarized in **Table 2**.

**Table 2:** Average delay in corrections for corrected and uncorrected entries (months)

Centre (Area)	NNDC (1,C,L,T)	NEA DB (2,O)	NDS (3,D,S,V)	CJD (4)	CAJaD (A,B)	JCPRG (E,J,K,R)	CPND (F)	CDFE (M)
<b>Corrected</b>	9.0	30.0	5.5	9.2	7.8	5.4	14.9	7.3
<b>Uncorrected</b>	16.0	4.7	4.8	15.3	8.8	20.0	9.9	5.3



**Figure 2:** Distribution of delay time for *corrected* entries



**Figure 3:** Distribution of delay time for *uncorrected* entries (as of 2011-05-15)

## 2. Change in the EXFOR Feedback List

There have been some modifications to the EXFOR Feedback List:

### 2.1. Priority flags

According to Action 7 of the NRDC2010 meeting, the following priority flags have been introduced:

- A. *Very urgent* (mistakes in heading, unit, values in DATA and COMMON)
- B. *Urgent* (mistakes in REACTION code, pointer)
- C. *Others*

### 2.2. Received and forwarded dates

Previously both “received (from the user)” and “forwarded (to the centre)” dates were given in the list. Now the number of feedbacks from users is increasing and NDS registers these comments to the web list without notification to the responsible centre. Accordingly only the “registered” date is shown in the current list.

For previously registered comments, “received” dates are adopted as “registered” dates. Differences in “received” and “forwarded” dates in uncorrected entries were within one month except for the following two comments:

Entry	Received	Forwarded	Keyword	Comment
C1259.001	2008-07-16	2008-09-03	REFERENCE	Add J,PRL,93,081102,2004
C1259.002	2008-07-16	2008-09-03	DATA-ERR	3.0E-07->2.0E-07@193.2 keV

## 3. Remark on TRANS record

During the extraction of the transmission date (N2) in the TRANS record from tapes in the NDS open area, the following problems were detected.

- Transmission date (N2) missing:

TRANS.M017

- Exchange file identification (N1) is inconsistent with the file name:

1. TRANS.3072 (N1=4072, N2=880816). Contents are equivalent to TRANS.4072.
2. TRANS.D007 (N1=E007, N2=901004). Contents are equivalent to TRANS.E007.
3. TRANS.D008 (N1=E008, N2=901024). Contents are equivalent to TRANS.E008.
4. TRANS.R003 (N1=3000, N2=860701). Mistake by the originating centre?

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