

**Nuclear Data Section
International Atomic Energy Agency
P.O.Box 100, A-1400 Vienna, Austria**

Date: 9 October 2007
To: NRDC-2007 meeting
From: V.Zerkin
Subject: Two important e-mails:
 Error in TRANS.2185 (one of reasons for Memo CP-D/491)
 Re: Memo CP-D/491 (use mode TRANS running ZCHEX program)

Error in TRANS.2185

From: ZERKIN, Viktor
Sent: Tuesday, 02 October 2007 10:40
To: DUNAEVA, Svetlana
Cc: SCHWERER, Otto
Subject: Error in TRANS.2185

Svetlana,

Loading our last backup (master) file I've met an critical error, preventing further loading. Checking why it has happened, I've discovered that TRANS.2185 has error in SUBENT 22281001 COMMON section (N1=19). When I've run ORDER, output file was correct and had N1=18. So, if I understand correctly, ORDER was not run on that TRANS. I've also run checking code: error in common n1=19 was detected... as well as other errors (see PS.). I think, this case should be checked once more and probably reloaded to the database and network. I see also TRANS.2186, which should be reloaded as well.

Now, about procedures (we've discussed yesterday, and will be discussed on NRDC): I think, procedure should be very strict, like:

NDS database -> corrections -> ORDER -> CHEX -> send to NDS [file-1]
 NDS: ORDER -> CHEX -> file comparison with [file-1]: must be OK
 [interactions for correction of the contents...]

Of course, may be some changes are needed in CHEX (I think, errors should be separated to severe/allowed/warning), but this we can discuss afterwards.

Viktor
 PS.

ZCHEX (Version 2007-06-08) run on 02-Oct-2007

```

Input file: trans.2185

File labeled: TRANS          2185    20070730
. . . . .
ENTRY 22281
** Incorrect count in N1 on preceding COMMON          22281001
  
```

Re: Memo CP-D/491 (Rev.)

From: OTSUKA Naohiko [<mailto:ohtsuka@nucl.sci.hokudai.ac.jp>]
Sent: Friday, 05 October 2007 18:17
To: ZERKIN, Viktor
Cc: ohtsuka@nucl.sci.hokudai.ac.jp; DUNAEVA, Svetlana
Subject: Re: Memo CP-D/491 (Rev.)

Dear Viktor,

Thanks! I could not understand why we have two options like

"File type: Data proc or Trans (D)---> "

for long years. After your explanation, I understand usage of two options well, and how do these options affect checking procedure!

It's a grate progress for my compilation technique.

See you next week!

Best regards,
Naohiko @ Charles de Gaulleos

>Dear Naohiko,
>
>> can we detect incorrect integers in N1 field of BIB record by chex?
>> I cannot detect it by the newest version of chex.
>
>You can, but only in regime Trans: answering "T" to the question by
>program:
>"File type: Data proc or Trans (D)---> "
>
>I've run last version of zchex with your example and it gives:
> ENTRY E1925
> ** Incorrect count in N1 on preceeding BIB E1925001
>When I use regime "Trans".
>
>As I uderstand Vicki's approach, exfor file is checked without N1,N2
>checking on the preliminary stages of compilation in order to avoid
>running (may be several times) ORDER program, before compiler think that
>file is ready for the formalites done by ORDER. And I think it is >reasonable.
>
>Best regards,
>Viktor
>
>-----Original Message-----
>From: OTSUKA Naohiko [<mailto:ohtsuka@nucl.sci.hokudai.ac.jp>]
>Sent: Thursday, 04 October 2007 18:02
>To: ZERKIN, Viktor
>Cc: OTSUKA Naohiko; DUNAEVA, Svetlana
>Subject: Re: Memo CP-D/491 (Rev.)
>
>Dear Viktor,
>
>can we detect incorrect integers in N1 field of BIB record by chex?
>I cannot detect it by the newest version of chex.
>
>Best regards,
>Naohiko
>
> >Dear colleagues,
> >
> >Sorry, this is the last version of the MEMO CP-D/491 (Procedure for
> >correcting mistakes in the central EXFOR master file).
> >
> >Best regards,
> > Svetlana
> >