

## MEMO CP-M/16

06 Feb 2002

To: **Distribution**  
From: **V.V.Varlamov**  
Subject: **Errors in EXFOR**

Starting the full volume using of our relational EXFOR database upon our Web-site we have found out many errors of two types:

- format errors (shifts, missing or extra commas etc.);
- reaction description errors (CODEs absent in Dictionary 36).

We compared contents of ENTRYs with these errors from our Web-site with correspondent ENTRYs put upon two other Web-sites (NNDC and NDS) and found out that situation is very intricate! Some of these ENTRYs:

- contain the same errors (for example, A0126001, A0055001, A138902-03);
- contain the errors on one site, but are corrected on another one (for example, A0014002-008, A0060002);
- are different from that on our site but again contain the errors (for example, B0098003,008).

Because we received our Web-site data from F.Chukreev maybe the disagreements under discussion mean that NNDC and NDS Web-sites contain old version data?

We compare also the errors found out by us with appropriate errors have been found out by Victor Zerkov before the passed year technical meeting and found out many duplications but many additions also.

So we have many ENTRYs in Internet (here I mean only the ENTRYs with errors, but this could be in case of ENTRYs without errors also) which exist in two-three versions. Some of them differ quite strongly (for example, our ENTRY A0014 we received from F.Chukreev contains 7 SUBENTRIES, but the same number ENTRY on NNDC site contains one SUBENTRY only).

Therefore after the discussion with F.Chukrev I propose to include to the Agenda of upcoming meeting discussion of this problem, first of all the following questions:

- Is it good that we have several versions of the ENTRYs with the same number in Internet? If “not”, how could we improve the situation?
- Must we check all old Entries by today checking codes?
- Must we correct the most obvious (format) errors as soon as possible?
- Must we do this job in coordination? By what procedure?

- Must we additionally discuss the way to correct not obvious reaction description errors?
- What about modification of Dictionary 36?

All items have been discussed with F.Chukreev.  
Two errors lists are applied.

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## FORMAT ERRORS

Shifts in DATA/Common & pointers in DATA-UNITS lines

err:40324006::data

err:00219013::common

err:22205003::data

err:F0167012::common

err:A0557041::data

err:D4076

003-

-017::data

"(" from free text in column 12

err:F0175001::SAMPLE

"-" from free text in column 11

err:A0126001::COMMENT:-

"." from free text in column 11

err:20822001::CORRECTION:.

"Not correct pointers": shift of "(" into column 11

err:00166011::LEVEL-PROP:(

err:F0378002::STATUS:(

err:F0378004::STATUS:(

err:F0378008::STATUS:(

err:10729005::HISTORY:(

err:11659006::STATUS:(

err:40156005::MONITOR:(

err:40161016::STATUS:(

err:40161018::STATUS:(

err:40161019::STATUS:(

err:40161020::STATUS:(

err:40161021::STATUS:(

err:40161022::STATUS:(

err:40161023::STATUS:(  
err:40858007::MONITOR:(

Not correct code in DATA-HEAD

err:40046002::ENERGY  
err:40046003::ENERGY  
err:40046004::ENERGY

Shift in DATA-HEAD line

err:M0169006::ASS-MIN  
err:M0169007::ASS-MIN

Missing comma

err:R0019001::AUTHOR  
err:A0055001::AUTHOR  
err:20910001::AUTHOR  
err:40033001::AUTHOR  
err:M0502001::AUTHOR

"(" instead of ")"

err:11127001::HISTORY

Extra "C" in column 23

err:P0025002::COMMON

Missing ")"

err:M0274007::INC\_SOURCE

Replaced DATA HEADINGS: ELEM instead of MASS and vice versa

err:A0031003::DATA

## CODE ERRORS

err:Number:Pointers:Codes

err:A0014002::PR,DA,,LEG

err:A0014003:1:PR,DA

err:A0014004:1:PR,DA

err:A0014005:1:PR,DA

err:A0014006:1:PR,DA

err:A0014007:1:PR,DA

err:A0014008:1:PR,DA

err:A0060002::PAR,DE,G

err:A0237011::PAR/UND,DA

err:A0237014::PAR/UND,DA

err:A0388002::PAR,TTY/DA,G

err:A0388003::PAR,TTY/DA,G

err:A0388004::PAR,TTY/DA,G

err:A0388005::PAR,TTY/DA,G

err:A0388006::PAR,TTY/DA,G

err:A0388007::PAR,TTY/DA,G

err:A1389002::PAR,DA,,COS/RS

err:A1389003::PAR,DA,,COS/RS

err:B0098003:2:(CUM)/UND,TTY

err:B0098003:3:(CUM)/UND,TTY

err:B0098008:2:(CUM)/UND,TTY

err:C0025003::,DA,,ASY

err:F0263003::PAR,DA,,COS/RS

err:13698002::TER,FY/CRL,HF/LF

err:13698007::PRE/TER,FY/CRL,A/LF

err:20582002:2:TEM,SIG

err:20616002::PAR,AKE,N

err:20616004::PAR,AKE,N

err:20616006::PAR,AKE,N

err:20836004::SEQ,DA,A

err:20836016::SEQ,DA,A

err:20837009::SEQ,DA,A

err:20837010::SEQ,DA,A

err:21016003::TEM,SIG  
err:21095005::PR,NU,HF  
err:21146013::TEM,SIG  
err:21146016::TEM,SIG  
err:21146017::TEM,SIG  
err:21146018::TEM,SIG  
err:21146019::TEM,SIG  
err:21146020::TEM,SIG  
err:21274002::TEM,SIG  
err:21274003::TEM,SIG  
err:21274004::TEM,SIG  
err:21274005::TEM,SIG  
err:21274006::TEM,SIG  
err:21274008::TEM,SIG  
err:21297004:3:STF  
err:21628003::,PAR,DA  
err:21643002::PAR/DL,NU  
err:21689002::IND/PAR,FY  
err:21689003::PAR,ZP  
err:21689004::IND/PAR,FY  
err:21689005::PAR,ZP  
err:21689006::IND/PAR,FY  
err:21689007::PAR,ZP  
err:21689008::IND/PAR,FY  
err:21689009::PAR,ZP  
err:21689010::IND/PAR,FY  
err:21689011::PAR,ZP  
err:21689014::IND/PAR,FY  
err:21689015::IND/PAR,FY  
err:21689016::IND/PAR,FY  
err:21689017::IND/PAR,FY  
err:21689018::IND/PAR,FY  
err:21699002::TER,AKE  
err:21699003::TER,AKE  
err:21701002::PAR/IND,FY  
err:21701002::PAR/CUM,FY  
err:21701005::PAR/IND,FY  
err:21701005::PAR/CUM,FY

err:21723003::CUM,FY/SUM  
err:21929004::,DA/DE,,LEG  
err:22250002::,AH  
err:22250003::,AH  
err:22250004::,AH  
err:22250005::,AH  
err:22250006::,AH  
err:22250007::,AH  
err:22308003::TER/BIN,FY  
err:30323005::,SIG,,RAT  
err:30326002::TER/BIN,DA/RAT,FF  
err:30326002::TER/BIN,DA/RAT,FF  
err:30326003::TER/BIN,DA/RAT,FF  
err:30326003::TER/BIN,DA/RAT,FF  
err:30521002:L:TER,CRL,FF/FF  
err:30521002:L:TER,CRL,A/FF  
err:30521002:H:TER,CRL,FF/FF  
err:30521002:H:TER,CRL,A/FF  
err:30916002::,CRL,A/FF  
err:40386002::,SPC,G  
err:40387002::,SPC,G  
err:40593002::PRE,DA,,RSD  
err:40593003::PRE,KE/DA  
err:M0030005::,DE,N/P  
err:M0030006::,DE,P/D  
err:M0030007::,DE,N/D  
err:M0030008::PAR,DA,N/P  
err:M0033002::,DE,N/P  
err:M0035002::,DE,N/P  
err:M0035005::,DE,P/D  
err:M0035008::,DE,N/D  
err:M0035020::,DE,N/P  
err:M0051011::,DE,N/P  
err:M0051014::,DE,P/D  
err:M0051017::,DE,N/D  
err:M0054002::PAR,MCO,N/P  
err:M0064014::,DA,RSD  
err:M0065003::,DE,N/P

err:M0065004::,DE,P/A  
err:M0065005::,DE,P/RSD  
err:M0065006::,DE,A/RSD  
err:M0071018::,DA,RSD  
err:M0071021::,DA,RSD  
err:M0071024::,DA,RSD  
err:M0071027::,DA,RSD  
err:M0071030::,DA,RSD  
err:M0071033::,DA,RSD  
err:M0071036::,DA,RSD  
err:M0071039::,DA,RSD  
err:M0133007::,DA,,CS2/RS  
err:M0179002::,DA,,SN2/RS  
err:M0184002::,DA,,SN2/RS  
err:M0184003::,DA,,SN2/RS  
err:M0184004::,DA,,SN2/RS  
err:M0184005::,DA,,SN2/RS  
err:M0186012::,DA,,SN2/RS  
err:M0186013::,DA,,SN2/RS  
err:M0186014::,DA,,SN2/RS  
err:M0186015::,DA,,SN2/RS  
err:M0186016::,DA,,SN2/RS  
err:M0191002::,DA,,SN2/RS  
err:M0225029::,DA,A,LEG/RS  
err:M0225030::,DA,A,LEG/RS  
err:M0242004::,DA,LEG  
err:M0242005::,DA,LEG  
err:M0242006::,DA,LEG  
err:M0242007::,DA,LEG  
err:M0242009::,DA,LEG  
err:M0242010::,DA,LEG  
err:M0242013::,DA,LEG  
err:M0242014::,DA,LEG  
err:M0242016::,PAR/EP,SIG  
err:M0242017::,PAR/EP,SIG  
err:M0256002::,DA,N/P  
err:M0256003::,DA,N/P  
err:M0256004::,DA,N/P



err:M0350016::PAR,DA,,COS/RS  
err:M0350017::PAR,DA,,COS/RS  
err:M0382002::PAR,INT,G,4PI  
err:M0382003::PAR,INT,G,4PI  
err:M0382004::PAR,INT,G,4PI  
err:M0393002::,DE,BRA/REL  
err:M0435003::PAR,INT  
err:M0435004::PAR,INT  
err:M0435007::PAR,INT  
err:M0435008::PAR,INT  
err:M0435008::PAR,INT  
err:M0435009::PAR,INT  
err:M0436003::PAR,INT  
err:M0437003::PAR,INT  
err:M0446003::PAR,INT,G  
err:M0448004::PAR,INT  
err:M0448005::PAR,INT  
err:M0499004::PAR,INT  
err:M0499005::PAR,INT  
err:M0500003::PAR,INT  
err:M0525020::,DA,RSD  
err:M0525021::,DA,RSD  
err:M0525022::,DA,RSD  
err:M0525023::,DA,RSD  
err:M0525024::,DA,RSD  
err:M0525025::,DA,RSD  
err:M0525026::,DA,RSD  
err:M0525027::,DA,RSD  
err:M0525028::,DA,RSD  
err:M0536004::,POL/DA,,AZI  
err:O0132122::IND/UND,SIG,,G