

## Usages of EXFOR compilation tools (A6-A7)

(N. Otsuka, 2015-04-10)

The questionnaire was sent to compilers as Memo CP-D/864 on 15 January 2015, and answers were received from 8 compilers of 6 centres as summarized below.

### 1. Your working environment:

#### 1.1: OS (e.g., Windows, Linux)

OS	#	Comment
Windows	8	
Linux	1	

#### 1.2: Internet connection (online, offline)

Connection type	#	Comment
Online	5	
Offline	5	

### 2. Editor

Tool	#	Comment
EXFOR Editor	5	Convenient; for checking by JANIS TRANS Checker; compatible to experienced person
HENDEL	4	User friendly, compatible to new users, easy to put information
MEW32 editor	1	Main tool for compilation and correction

### 3. Digitizer

Tool	#	Comment
GSYS	6	for new articles; user friendly, easy to digitize
InpGraph	3	for old articles
GDgraph	1	Easy to use

### 4. Checking tool (standalone tool, web tool)

Tool	#	Comment
ZCHEX	6	On HENDEL and website; some latest rules are not included; must be improved considering comments on the NRDC web site; standalone version and web version; inside of EXFOR Editor; outside of EXFOR Editor
JANIS Trans Checker	6	latest rules are included; Possible to implement new rules (e.g., SAMPLE)?; Inside EXFOR Editor
Special tools incorporated into EXFOR Editor	2	Graphic data presentation and input data validation (angle, energy range)

### **5. Retrieval system(s): Web-site, CD/DVD, Comp. Control System, Web-PDF**

Tool	#	Comment
NDS web site	4	Not accessible to pdf files
web site	4	Latest X4 data available and easy to plot
X4Compilation Control System	4	
Web-PDF	3	
JCPRG web site	2	
CD/DVD	2	
NNDC web site	1	Accessible to pdf files
Endver+EXFOR	1	Convenient for offline retrieval and plotting
JANIS	1	Very seldom
NSR	1	
CINDA	1	Seldom

### **6. Any other computer tools routinely used by your compilation**

Tool	#	Comment
MS EXCEL	2	
CNPD compilation base	2	List of compiled entries including special comments
EXFOR compilation tool	2	
web site (JCPRG)		
Ultra editor	1	very easy to edit whole column and to modify data part
NuDat	1	for decay data
ORIGIN	1	for plotting and calculation for checking
MS Office	1	for preparation of documentation
Paint	1	for conversion to BMP files for digitization
Adobe Acrobat Reader	1	
Internet Explorer	1	
Total Commander	1	
E-mail	1	
Text editor	1	
NotePad++	1	
ZORDER	1	Outside EXFOR-Editor for TRANS ordering
DANLOW	1	For dictionary update
XTRACT	1	For reaction listing

### **7. Any other comments on compilation tools?**

- More attention could be applied to CHEX correction – some messages ( considered as wrong) are still many years, e.g. for IAEA-TECHDOC-.
- May be, new checking code could be developed to replace CHEX ( if possibility of CHEX corrections could not be implemented easy)