

## Access to EXFOR data source and related products at IAEA-NDS

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1. NDS will maintain EXFOR Master file (whole library as ASCII text). Last Master file, Master files for given dates and all TRANS files will be publicly available on NDS Web site for Nuclear Data Centers and registered individual users (see Table 1). TRANS files being put on Web by NDS after processing them (this is independent of the "open area" collection of preliminary and final TRANS files submitted by NRDC Network). The address of the Web Page with links to these files (see Table 2) will be published in NDS Newsletters and also mentioned in "ReadMe" files on CD-ROMs distributed by NDS.
2. In addition to stand-alone retrieval systems, traditionally distributed on CD-ROMs, NDS will also distribute an administrative software tool allowing to maintain a local EXFOR database (as well as CINDA and ENDF in near future) on user's computer (item 3 in Table 3). This tool with related documentation will be available for Nuclear Data Centers and registered individual users.
3. NDS will provide technology to build user's applications accessing data from databases: schema of databases, non-interactive retrieval program, examples of software, documentation (item 2 in Table 3).
4. NDS will also provide software to organize Web service. Software, documentation and appropriate training will be available for Nuclear Data Centers upon request. NDS will be going to organize IAEA workshop for this purpose in 2005 (item 4 in Table 3).

**Table 1.** EXFOR data source in IAEA-NDS

	<i>File</i>	<i>New version</i>	<i>Number of files</i>
1	EXFOR Master files	Every 3 months, synchronized with dictionary transmissions; old files available	4 per year
2	TRANS files	As soon as implemented in database	+ ~50 per year
3	Current EXFOR Master file	After each database update	Last one only

**Table 2.** Example: Web-page with links to EXFOR data source files

<i>N</i>	<i>Date</i>	<i>Master/TRANS File</i>	<i>Comments</i>
1	2004-02-01	<a href="#">EXFOR20040201.zip</a> <a href="#">DICTS20040201.zip</a>	Master File 2004.1 Dictionaries 2004.1
2	2004-02-12	<a href="#">TRANS.A185.zip</a> <a href="#">TRANS.E015.zip</a> <a href="#">TRANS.E016.zip</a> <a href="#">TRANS.1311.zip</a>	(Current Master Files - deleted)
3	2004-02-18		
44	2004-07-01	<a href="#">EXFOR20040701.zip</a> <a href="#">DICTS20040701.zip</a>	Master File 2004.3 Dictionaries 2004.3
45	2004-07-14	<a href="#">TRANS.1324.zip</a> <a href="#">TRANS.O054.zip</a> <a href="#">EXFOR20040714.zip</a>	Current Master File

*Page last updated: 2004-07-14, IAEA-NDS*

**Table 3.** Nuclear reaction databases and software distributed by IAEA-NDS (from 2005)

	<i>Product (software and data)</i>	<i>New version</i>	<i>OS</i>	<i>Data format</i>	<i>Available</i>
1	EXFOR/CINDA/ENDF Retrieval system (CD)	Every 6 months	Windows	MS-Access database (MDB)	On request
2	EXFOR/CINDA/ENDF for Applications (CD)	Every 6 months	Windows, Linux	MySQL database (server and files)	On request
3	EXFOR-CINDA Administrating Tool (CD/Web)	Every 6 months	Windows, Linux	Master file (ASCII)	For subscribers: Centers, users
4	EXFOR/CINDA/ENDF Web Retrieval system (CD/Web)	When ready	Linux	MySQL, SyBase backup	For subscribers: Centers