CONCLUSIONS AND ACTIONS

Conclusions

General

C1   The next full NRDC meeting will be held in Paris, France, 16-19 April 2012.

EXFOR, General

C2   Efforts should be made to reduce delay in submission of the final transmission tapes. (WP2011-03)

C3   Articles in press should be scanned and compiled by responsible centres to reduce delay in compilation. (WP2011-04)

C4   NRDC appreciates the recommendations on compilation of experimental uncertainties and covariances by the "Technical Meeting on Neutron Cross Section Covariances (27-30 September 2010)". (WP2011-10)

C5   Centres are encouraged to compile newly published and other representative super-heavy element production cross sections. (WP2011-12)

C6   NRDC appreciates WPEC SG30 systematic assessment of the EXFOR contents and identification of compilation mistakes. (WP2011-17)

C7   NRDC appreciates the efforts of participants of Consultant Meeting on Neutron Source Spectra for EXFOR (13-15 April 2011) and other experimentalists who provided numerical neutron spectra for inclusion to the EXFOR library.

C8   NRDC recognizes the importance of compilation of neutron source spectra to utilize experimental spectrum averaged cross sections.

Manuals and Dictionaries

C9   Revised EXFOR Formats Manual (IAEA-NDS-207 Rev.2011/01) and LEXFOR (IAEA-NDS-208 Rev.2011/01) have been approved. (WP2011-13)

EXFOR, Technical

C10   TITLE must be coded as closely as possible to the title printed in the article. When English translation of the title is provided by the author or publisher, it must be adopted. (WP2011-25)

C11   NRDC does not recommend any rule to spell nuclides and mathematical expressions in free text. (WP2011-25)

C12   The LEXFOR entry for TOF covariance proposed in WP2011-27 was approved.

C13   The short nuclide codes for SF7 proposed in WP2011-28 were approved.

C14   A new branch code ISP (partial for intermediate state) in WP2011-29 was approved.

C15   Use of the specific spectrum temperatures (kT) for prompt fission neutron spectrum averaged cross sections proposed in WP2011-30 was approved.

C16   The proposal on consistency of unit codes (2 instead of –SQ, MU instead of MICRO- and MU-) was approved.

C17   Centres are recommended to submit BibTeX with each transmission tape. (WP2011-35)

EXFOR Software

C18   NRDC appreciates development of X4 uploading system developed by Viktor Zerkin.

C19   NRDC recommends NDS to organize a workshop for EXFOR users.

Actions

EXFOR General

A1	All	Correct erroneous entries listed on the EXFOR Feedback List on the NRDC web page according to indicated priorities.
A2	Babykina Mikhaylyukova Semkova Zerkin	Summarize and report recommendations on the EXFOR Compilation Control System by a memo with the EXFOR Workshop participants. (WP2011-08)
A3	NDS	Assess the possibility of organizing a working group with the final goal to prepare a new experimental data library format
A4	Otsuka	Provide EXFOR News when the EXFOR Master is updated.
A5	Zerkin Semkova	Make the following revisions on the EXFOR Compilation Control System and Webpage: (1) Addition of the first author field (trial for 1 year); (2) Removal of articles compiled in EXFOR from the web page; (3) Exclusion of transmission number from the compiler name field; (4) Rename of "Subject" and "Compiler" fields to "Projectile" and "Centre".
A6	All	(Continuing action) Give high priority to compilation of papers from the ND2010 (Jeju, Korea) conference. (WP2011-09)
A7	All	(Standing Action) Give highest priority to compiling new publications.
A8	NDS	(Standing Action) Develop sensible means of communication of numerical data between authors and NRDC for the major journals.

Manuals and Dictionaries

A9	Otsuka Hlavač	Summarize proposals on change in dictionary 25 based on the Conclusion C16, and submit it as a memo.
A10	Otsuka	Revise LEXFOR for TOF covariance (WP2011-27), new branch code ISP (WP2011-29), specific temperatures for prompt fission neutron spectrum averaged quantities (WP2011-30), and compilation of prompt fission neutron quantities (WP2011-31).
A11	Otsuka	Revise EXFOR Formats Manual for short nuclide codes in SF7 (WP2011-28).
A12	Otsuka	Consider distribution of preliminary dictionaries to suppress unnecessary error messages from checking programs.

CINDA

A13	Dupont	(Continuing Action) Search for experimental and mixed entries in which the target is coded by MNY, and replace with individual isotope/compound entries as outlined in WP2008-36.

A14	Dupont	(Continuing Action) Correct errors detected during CINDA loading procedure, as described in WP2008-36.
A15	Dupont	(Continuing Action) Correct all CINDA lines, as described in WP2009-30.
A16	Zerkin	(Continuing Action) Regular export from EXFOR DB to CINDA.
A17	Zerkin	(Continuing Action) Regular export from NSR to CINDA.
A18	Zerkin	(Continuing Action) Periodically update the CINDA master file and distribute it to other Centres.

EXFOR Technical

A19	All	(Continuing Action) Revise remaining upper case entries with other necessary corrections as time permits. (WP2011-05)
A20	Hlavač Schwerer	(Continuing Action) Delete duplication from area 1, C and L (C1665, C1676, C1679, C1719, C1724 and L0144) according to the third proposal in the WP2010-14. (WP2011-06)
A21	Schwerer Dupont Mikhaylyukova	Revise prompt fission neutron spectra (PFNS) entries listed in WP2011-11 before the next IAEA CRP (December 2011) on this subject. Highest priority must be given to U-235 and Pu-239 PFNS.
A22	Babykina Makinaga	Replace element symbols of asterisk in REACTION SF4 with approved ones for elements $Z \leq 112$ (Entry A0054, E2054). (WP2011-12)
A23	Hlavač Dupont Semkova Taova Makinaga	Compile neutron source spectra listed in WP2011-13.
A24	Hlavač Otsuka Varlamov	Compile nuclear resonance fluorescence data listed in WP2011-14 and other relevant data.
A25	Hlavač Dupont Semkova Mikhaylyukova	Assess neutron cross section data useful for standard evaluation listed in WP2011-15 and compile them when appropriate.
A26	Schwerer Dupont Babykina Taova Varlamov	Revised entries listed by the WPEC SG30 (http://www-nds.iaea.org/nrdc/error/exfor_err3.html) in areas 1, 2, A, C, F and M as soon as possible. (WP2011-16)
A27	Dupont	Provide NDS lists of erroneous and suspicious outliers by using the new statistical approach being developed when available. (WP2011-17)
A28	Otsuka	Assess the JANIS Import Log provided by N. Soppera (WP2011-18) and register relevant mistakes to the EXFOR Feedback List.
A29	Gritzay Otsuka Simakov Semkova	Finalize discussion on compilation of neutron spectra (WP2011-22) with other centres and submit summary of discussion as a memo by November 2011.

	Zerkin	
A30	Otsuka	Assess the report on incorrect authors' name reported by M. Bossant (WP2011-24), and add relevant mistakes to the EXFOR Feedback List.
A31	Bossant	(Continuing Action) Send list of incorrect authors' names and titles to NRDC participants (WP2011-24).
A32	Dupont Otsuka Mikhaylyukova Babykina Taova Varlamov	Add English translation information of Atomnaya Energiya under REFERENCE as listed in WP2011-26.
A33	Babykina	Provide a list of English translation information of Russian journals (e.g., YF, IZV). (WP2011-26)
A34	NDS	Prepare a consolidated solution on the EXFOR format for covariance data coded under the keyword COVARIANCE (WP2011-32rev and 40).
A35	Mikhaylyukova	Include the Actions 45 and 46 of the 2010 NRDC Meeting summary in the Guide for EXFOR Compilers.
A36	All	(Continuing Action) Make corrections of entries for averaged kinetic energy and most probable kinetic energy, mass and charge listed in WP2010-31 as time permits.
A37	Dupont	(Continuing Action) Distribute JANIS–TRANS Checker Log list on every preliminary TRANS-file.
A38	Otsuka	(Continuing Action) Review the various types of gamma spectra in EXFOR, as well as the related quantities and units.
A39	Otsuka	(Continuing Action) Update Dictionaries every four months.
A40	Zerkin	(Continuing Action) Further develop EXFOR+ (interpreted/extended EXFOR format).
A41	Zerkin	(Continuing Action) Every four months produce an EXFOR distribution with (a) full Dictionary distribution; (b) EXFOR in C4 and XC4 format; (c) Dictionaries in MS Access; (d) X4Map and X4Archive.
A42	Zerkin	(Continuing Action) Generate and distribute list of errors to NRDC after every new EXFOR Master File creation.
A43	Zerkin	(Continuing Action) Include DOI in EXFOR DB as defined in WP2009-25.
A44	Zerkin	(Continuing Action) Development of a new database encompassing correction factors and relevant comments for suspect/erroneous data (X4-evaluated) presented in WP2010-19; keep NRDC informed about conclusions of discussions on new database.
A45	Zerkin	(Continuing Action) Add hyperlink on the main EXFOR page to the EXFOR User Manual.
A46	All	(Standing Action) When report codes in Dictionary 6, which differ significantly from what is shown on the report cover are found, then submit additional explanation to NDS for inclusion.

EXFOR software

A47	NDS	Assess potential problems (copyright) caused by opening an

		authorized access to the NDS collection of pdf articles proposed in WP2011-35.
A48	JCPRG	Continue development and testing of the digitizing software GSYS in cooperation with NDS and other centres.
A49	NEA DB	Continue development and testing of the JANIS –TRANS Checker in cooperation with NDS and the other centres.
A50	Pikulina Taova Zerkin	Propose revision of "EXFOR processing and retrieval codes" in the NRDC Protocol for future co-operation in software development between centres.
A51	Pikulina Zerkin	Study the possibility of including X4+ converter code into the EXFOR-Editor in a form of independent executable module.
A52	Zerkin	Develop the program to generate X4+ from a standalone EXFOR entry.
A53	Zerkin	Update ZCHEX based on comments from compilers (e.g., WP2011-36) as time permits.
A54	Zerkin	Continue development of the EXFOR upload web tool.
A55	All	(Continuing Action) Provide feedback to NDS on the existing CHEX version (on bugs as well as desired additions).
A56	CNPD	(Continuing Action) Continue development and testing of the EXFOR-Editor in cooperation with NDS and other data Centres, taking into account compilers' remarks.