

Conclusions and Actions

Conclusions

General

- C1 Next year's technical meeting will be held in the second half of May 2009 in Vienna (*Note added after the meeting: Preliminary dates for the next meeting are 25-29 or 18-22 May 2009*).
- C2 Next full NRDC meeting in May 2010 will be held in Sapporo, Japan, preferable, after ND2010.
- C3 BARC, India, was approved a full member of the NRDC with effect from September 2008.
- C4 Agreed and declared a common EXFOR Web Service that will provide access to the central EXFOR database located at the IAEA-NDS.
- C5 Establish a standard Web address for the citation of EXFOR entries as proposed in WP2008-38 (with one correction (if possible) - instead of "?" use "+" or "#").
- C6 All proposed changes in NRDC Protocol were accepted.
- C7 EXFOR-Editor workshops will be organised for compilers in Vienna and India, 2009
- C8 Fruitful interactions exist between NRDC and OECD-NEA WPEC Sub-Group 30 that are aiding in the resolution of misunderstandings and errors within EXFOR.

EXFOR, General

- C9 The scope of compilation has been changed on trial basis for one year according to WP2008-34: NNDC will take responsibility for all relevant articles in agreed journals (and set aside their geographical area of responsibility).
- C10 A new database will be prepared that encompasses correction factors and relevant comments for suspect/erroneous data.
- C11 Re-emphasis was placed on the need for regular feedback on preliminary EXFOR batches be sent to the responsible centres and NDS (latter for checking and archiving).
- C12 NDS has established a data-exchange connection with *Radiochimica Acta* which permits easier preparation of data compilation before final publication – this approach needs to be promulgated with other journals.
- C13 A Guide for EXFOR compilers will be prepared.
- C14 Proof copy of EXFOR entry for all compilations from new literature should be sent to the author, and author approval or "no reply from author" should be included under STATUS.
- C15 Public version of "current compilation" webpage will be released after modifications based on NRDC comments.
- C16 EXFOR backup-file and Dictionaries will be distributed every three months.
- C17 EXFOR compilations will be prepared for which no data have yet been made available (e.g. beneficial in the preparation of CINDA).

Common EXFOR/CINDA dictionaries

- C18 Split of Dictionary 144 (Data Libraries for New CINDA) was accepted.

EXFOR, technical

- C19 Nuclear level densities will be included in EXFOR compilation.
- C20 When available, DOI will be included in EXFOR files.
- C21 Paper number can be coded for reports.
- C22 Evaluation library code can be coded under MONIT-REF and REL-REF.
- C23 Any characters permitted in the EXFOR Formats manual can be adopted in the page number field of the REFERENCE code to reflect the correct use in the citation.
- C24 Certain larger collaborations and research groups can now be coded with an INSTITUTE code (e.g. 2ZZZNTF for the n_TOF collaboration at CERN).
- C25 Certain larger collaborations and research groups can now be coded with an AUTHOR code (e.g. "ntof" abbreviation for majority of authors' names if used in journal article).

EXFOR software

- C26 EXFOR Editor is viewed and recommended as a valuable tool for all EXFOR data compilation activities and is to be encouraged by all NRDC centres in their current compilation work. This software will also continue to be developed as planned.

Actions

General

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| A1 | All | Standing Action – All recognized policy papers for consideration by the NRDC members need to be prepared and distributed four weeks before the annual NRDC meeting. This will ensure adequate thought and discussion prior to the meeting. |
| A2 | All | Standing Action – Keep CP memo distribution up-to-date. |
| A3 | All | Standing Action – In e-mails with attached CP memos, put the subject in the body of the e-mail so that recipients can decide whether it is relevant for them. |
| A4 | All | Standing Action – Only one memo should be sent per e-mail. |
| A5 | All | Standing Action – Send comments on all preliminary batches within one month of transmission. |
| A6 | NDS | Organise EXFOR-Editor workshop for NRDC compilers to be held in Vienna, 2009. |
| A7 | NDS, BARC | Organise EXFOR-Editor workshop for potential compilers: most likely venue, BARC, 2009. |
| A8 | All | Contact details of BARC India should be included on NRDC MEMO - distribution list. |

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| A9 | All | Standing Action – All Centres should give highest priority to compiling new publications. |
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A10	NDS	Continuing Action – Continue to develop sensible means of data communication between laboratories and the network via the major journals.
A11	All	Cite EXFOR Entry in the following manner: first author, full reference, EXFOR DB version, Web-address.
A12	Zerkin	Consider replacement of question mark in citation of EXFOR Entry.
A13	All	Continuing Action – Give priority to compilation of remaining papers from the ND2007 Nice conference.
A14	All	Continuing Action) Make efforts to change all remaining upper case entries to lower and upper case. On retransmission, the old entries must be checked and any other necessary corrections must be done.
A15	Zerkin	Continuing Action - Develop EXFOR+ (interpreted/ extended EXFOR format).
A16	CJD	Prepare a short Guide for EXFOR compilers on the basis of WP2008-31.
A17	All	Send comments on the Guide for EXFOR compilers to CJD.
A18	Otsuka	Update Dictionaries every three months.
A19	Zerkin	Synchronize every three months EXFOR backup-file distribution with (a) full Dictionary distribution; (b) EXFOR in C4 format; (c) Dictionaries in MS Access.
A20	Dunaeva, Zerkin	Send list of found errors to NRDC after every new EXFOR/CINDA dictionary transmission.
A21	All	Correct errors within own area (see also list in WP2008-10); all mistakes from such lists should be corrected in the next transmission (although mistakes which remain from 2007 may take longer).
A22	All	If a title cannot be found for an entry, this entry should be entitled “No title”, and an explanation should be given as a comment.
A23	Zerkin	Include DOI in EXFOR as defined in option 2 of WP2008-20.
A24	All	If available, include DOI in all new entries.
A25	Zerkin	Introduce on public NRDC webpage the “current compilation” after changing the following labels: “reserved” to “allocated”; “prelim” to “being compiled”; “not reserved” to “not allocated”.
A26	Dunaeva	Send modified NRDC Protocol to centres.
A27	All	Provide feedback on modified NRDC Protocol before the end of 2008.
A28	Otsuka	Provide access to final version of modified NRDC Protocol by end of January 2009.
A29	NNDC	For a trial period of one year (2009), NNDC will be fully responsible only for the compilation of articles from four journals (PR/C, PRL, NSE, CJP) and AIP conference proceedings (see modified WP2008-34).
A30	NNDC, NDS	Prepare report for the next full NRDC meeting describing

		the advantages and disadvantages of compilation on the basis of full journal contents (see Action A29).
A31	Otsuka	Create EXFOR Basics manual in HTML.
A32	Zerkin	Add hyperlink on the main EXFOR page to the EXFOR Basics manual.
A33	All	Compile parameters (decay data – especially half-lives in activation measurements – and monitor data) and description of technique (method, analysis etc.) used by authors (see WP2008-03).
A34	All	Source of data should be clarified under STATUS (“Table x”, “Fig. x”, “sent from author” etc.).
A35	Otsuka	Send list of recognised errors, based on analysis of the list formulated by OECD-NEA WPEC Subgroup 30, to responsible centres.
A36	NDS	Coordinate compilations according to journal distribution defined in revised WP2008-34.

Common EXFOR/CINDA dictionaries

A37	NDS	Update Dictionary 144 (data libraries) according to WP2008-21.
A38	NNDC, NDS	Investigate Dictionary 25 for differences in labels and units (e.g.: MUB, MU-B and MICRO-B used for ‘ μb ’), with the aim of achieving consistency.
A39	All	Correct all references according to the list given in WP2008-07.
A40	Otsuka, Hlavac	Assess and add to Dictionary 23 an appropriate description of the level density extraction methods.
A41	Otsuka	Add level densities (LD) to Dictionary 32 (SF6).
A42	All	Use adopted new institute code for n_TOF, and use “ntof” abbreviation for majority of authors’ names if used in journal article.

CINDA

A43	Henriksson	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.
A44	NEA-DB	Correct errors detected during CINDA loading procedure, as described in WP2008-36.
A45	JCPRG	Send NEA-DB the list of 638 entry errors in CINDA.
A46	NEA-DB	Correct all CINDA lines, as described in WP2008-33 (see Action A45).

EXFOR, technical

A47	Otsuka	Continuing Action – Review the various types of gamma spectra in EXFOR, and the related quantities and units.
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A48	All	Standing Action – When coming across report codes in Dictionary 6 which differ significantly from what is shown on the cover, submit additional explanation to NDS for inclusion.
A49	All	Standing Action – Run CHEX in TRANS mode (not DATA mode) when checking new entries or TRANS files, to make sure that all important errors are found.
A50	All	Check error lists available on the NRDC web page, and correct as soon as possible (see also WP2008-02).
A51	Dunaeva	Continuing Action – Distribute list of duplications for action.
A52	NDS	Standing Action – Assess the need for undertaking both trivial and non-trivial compilation corrections, and inform responsible centres.
A53	All	Respond within two months concerning nature of correction (trivial or non-trivial) and whether correction(s) will be carried out by responsible centre - based on Action A52.
A54	Zerkin	Prepare a new database encompassing correction factors and relevant comments for suspect/erroneous data (X4-evaluated). Specify the format and issue an appropriate manual.
A55	All	Provide EXFOR compilations, according to option 1 in WP2008-12, even when there are no data ready for compilation.
A56	All	Send comments to NDS about the reaction code proposal on resonance quantities (WP2008-27) before the end of 2008.
A57	All	Compile level densities, as described in revised Memo CP-D/512 (WP2008-09).
A58	All	Standing Action – Follow rules on uncertainty coding as described in WP2008-11 for compilations.
A59	All	Standing Action – Use alteration flags in col. 11 of ENTRY and SUBENT lines in re-transmission (also optional for all corrected lines in col. 80).
A60	All	Correct total/elastic cross sections compiled in EXFOR CPND entries according to the list in WP2008-25.
A61	Dunaeva	Correct all references from the list of WP2008-17 in next transmission (Conclusion C12 of NRDC-2007).

EXFOR software

A62	All centres	Inform each other about EXFOR-related software being used and/or developed. NDS may add this information to the NRDC internal web page.
A63	All	Standing Action – Provide feedback on the digitizing GSYS software to JCPRG.
A64	All	Standing Action – Provide feedback to NDS on the existing CHEX version (on bugs as well as desired refinements)
A65	Sarov, NDS	Continue development and testing of the EXFOR-Editor in

cooperation with NDS and other data centres, taking into account compilers' remarks.