

## LIST OF CONTINUOUS, NEW AND COMPLETED ACTIONS

As of 08/04/2011

<b>CONTINUOUS / ONGOING / PENDING</b>			
<b>No.</b>	<b>Responsible</b>	<b>Reason</b>	<b>Action</b>
1 (3)	Tuli, BNL/NNDC and all network participants	Keep horizontal evaluations in separate repository, to be used by evaluators.	Task for all: inform Tuli who will maintain a list of horizontal evaluations on NNDC-NDSDD Web site. <b>Continuous</b>
2 (4)	BNL/NNDC	ENSDF analysis and checking codes need to remain up to date with respect to formats, physics requirements, and the needs of the community.	Update codes for approved format changes. <b>Continuous</b>
3 (5)	All network participants	Highly-relevant information and data from some conferences, meetings and laboratory reports are not always available to NSR compilers in NNDC.	Assist NNDC in obtaining conference proceedings, meeting and laboratory reports for NSR. Copy of unpublished conference reports containing significant NSDD contribution should be sent to NNDC. <b>Continuous</b>
4 (19)	NDS	Maintain up to date information on the Network.	Review, modify and correct the contents of INDC(NDS)-421. <b>Continuous</b>
5 (7)	BNL/NNDC	Publish versions of ENSDF are required.	Continue journal "publication" of the mass chain evaluations. <b>Continuous</b>
6 (8)	All network participants	Misprints and errors found in NSR and ENSDF.	Report errors detected in NSR, XUNDL and ENSDF to NNDC. <b>Continuous</b>
7 (9)	All ENSDF evaluators	Accelerate the review process.	Each ENSDF evaluator should be willing to do two mass-chains equivalent reviews per FTE-year. Reviewing process for one mass chain should not be longer than three months. <b>Continuous</b>
8 (11)	All network participants	Bring NSDD evaluation work to the attention of the nuclear community.	Present network activities at different conferences and meetings. <b>Continuous</b>
9 (12)	All network participants	Avoid duplication of work.	Participants should inform the NNDC about any development of software related to NSDD. <b>Continuous</b>
10 (13)	Evaluators	Young scientists to evaluate mass chains.	Encourage participation in research/evaluation of nuclear structure data. <b>Continuous</b>

N.B.: In the first column, numbers in brackets indicate the previous action number (see INDC(NDS)-559).

11 (14)	All network participants	Improve NSR	Send comments and suggestions on NSR improvements (indexing) to NNDC. <b>Continuous</b>
12 (16)	All ENSDF evaluators	Check validity of the rules.	Inform NNDC when experimental results appear to contradict the rules; see Section 5.4. <b>Continuous</b>
13 (17)	All network participants	Improve quality of evaluations.	Solicit potential non-network evaluation reviewers, and send names to ENSDF manager (NNDC). <b>Continuous</b>
14 (18)	NSDD Network	Support new ENSDF evaluators.	Provide local support and mentoring to new ENSDF evaluators of mass chain evaluations. <b>Continuous</b>
15 (23)	Shulyak, PNPI	To facilitate evaluators' work.	Provide copy of PNPI Editor, when finished to the Network to evaluate. <b>Pending</b>
16 (24)	BNL/NNDC; IAEA-NDS	Outreach	Continue to pursue initiatives to improve the international contributions to the ENSDF mass chain evaluations. <b>Continuous</b>
17 (25)	All network participants	Outreach	Formulate and expand contributions to mass chain evaluations within their own countries. <b>Continuous</b>
18 (27)	IAEA/NDS	Keep links with horizontal evaluations.	Invite representatives of atomic mass and other horizontal evaluations to next meeting. <b>Continuous</b>
19 (28)	NSDD evaluators	Quality Assurance <i>Recommendation</i>	Consider updating the evaluation cut-off date when no or little experimentally significant new data are available. <b>Continuous</b>
20 (32)	Tuli, BNL/NNDC	Facilitate evaluators' work.	Analyze Nica's proposal to modify PANDORA. <b>Ongoing</b>
21 (33)	Tuli, BNL/NNDC	Improve ENSDF to make useful to RIPL community.	Analyze Firestone proposal to include theoretical $J\pi$ in square brackets in $J\pi$ field or a continuation record. Advise evaluators in cases where more than one $J\pi$ value in brackets – preferred value should be listed first (as requested by RIPL community). <b>Ongoing</b>

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**NEW 2011**

No.	Responsible	Reason	Action
22	NNDC	Set Priority	Consider New criteria based on XUNDL, NSR to create priority list
23	All evaluators	Evaluations in progress <i>Recommendation</i>	Inform J. Tuli about mass chain evaluations in progress to be included in monthly processing report
24	NSR manager	Assignment of key numbers	Evaluators should be able to create key numbers remotely. Evaluators will be required to immediately send the relevant reference/article to NNDC.
25	NSR manager	Assignment of key numbers <i>Recommendation</i>	The keyword requirement for evaluators should be optional.
26	NNDC	Hard-to-get references	Investigate feasibility of digitizing references which are hard to get.
27	NNDC	XUNDL compilation date	Expand XUNDL index to show compilation date by nuclide.
28	Firestone	ENSDF into XML	Look into possibilities working with LLNL.
29	Kibedi	Calculate conversion coefficients. <i>Recommendation</i>	Mixing ratio default to be determined statistically or by evaluator, in either case comments should appear.
30	Kibedi	Mixing ratio for E0, E2, M1.	Suggest changes to format in order to achieve that.
31	Sonzogni, Kibedi	Improve data that quantify Auger electron and continuum beta spectra.	Develop and recommend analysis codes to provide more detailed presentations of Auger electrons and continuum beta spectra.
32	Network	New production code for Nuclear Data Sheets.	Provide comments to B. Singh based on two mass chains (A=40, A=182) put on the web soon.
33	NNDC	Checking code <i>Recommendation</i>	Download Mitropolski's code and incorporate into FMTCHK.
34	All evaluators	Atomic masses <i>Recommendation</i>	Quote 2011 masses and compare with 2003 if needed.
35	Audi	Atomic masses	Provide 2011 evaluation to NNDC by end of April 2011.
36	Evaluators	BE2 compilation	Comments and feedback on the presentation and the paper attached to B. Prytichenko.
37	All	Masses <i>Recommendation</i>	To get masses for new nuclides communicate directly with AMDC

38	Evaluators	Moments <i>Recommendation</i>	Use N. Stone's 2011 evaluation after key number is assigned.
39	All	Half-life evaluations of ground state and isomers.	Provide comments on the draft recommendations by Sept 2011 to B. Singh.
40	NNDC/IAEA	Remote access	Develop a web interface for ENSDF utility codes to be run remotely.
41	Singh, Baglin, Browne, Kondev, Timor, Sonzogni, Tuli, Abriola	Guidelines	Revise evaluators' guidelines.
42	Network	Policies	Point out to NNDC discrepancies in the current policies and changes and additions.
43	NNDC	Analysis codes	Notify Network of new versions. -> R
44	Evaluators	Isomer definition <i>Recommendation</i>	Isomer half life limit is changed to greater than 100 ns.
45	Evaluators	Charged-particle resonance data <i>Recommendation</i>	Adopt new policies and guidelines.
46	Evaluators	Neutron capture gammas <i>Recommendation</i>	Include primary gammas in adopted levels.
47	NNDC	General policy pages in NDS.	Modify them as needed.
48	Firestone	Thermal neutron capture gammas.	Suggest procedure for inclusion of capture gamma intensities in adopted levels.
49	Network	ND 2013	Consider attending and presentation of your work.
50	NDS/Abriola	Training of evaluators	Explore if there is need for additional training workshops
51	NDS/Abriola	Improvement of dissemination tools.	Continue to improve tools
52	Audi	Provide evaluators with updated AMDC data.	Provide NNDC with latest interim AMDC evaluation of atomic masses by 1 May 2011.

**COMPLETED**

(1)	Tuli, BNL/NNDC	Quality assurance test	Advise evaluators to run relevant checking codes. RADLST; comment on agreement of Q-value and sum of decay energies and X-ray intensities measured and calculated. <b>Completed</b>
(2)	Tuli, BNL/NNDC	Update evaluations priority list.	Send yearly priority list for nuclide and mass chain ENSDF evaluations. Add priority list of the NSDD TM and network document. <b>Completed</b>
(6)	IAEA/NDS	Characteristics and parameters of NSDD network have to be regularly updated.	Update NSDD network document and institutions. <b>Withdrawn</b>
(10)	All network participants	Ensure unpublished and current data are prepared in tabular form.	XUNDL co-ordinator to ask researchers to provide data in tabular form. <b>Withdrawn</b>
(15)	BNL/NNDC	Improve data that quantify Auger electron and continuum beta spectra.	ENSDF codes to provide more detailed presentations of Auger-electron and continuum beta spectra. <b>Withdrawn</b>
(20)	Firestone, LBNL	Data development	Provide Mitropolsky with GAMUT code to implement improvements. Mitropolsky should maintain contact with Tuli and Firestone during this improvement process. <b>Withdrawn</b>
(21)	Sonzogni, BNL/NNDC	Modification of ENSDF format to include cluster emission data.	Tandel to study feasibility. <b>Withdrawn</b>
(22)	All network participants	Quality Assurance	Consider differences in nuclear properties between ENSDF and NWC, and adjust if deemed appropriate (after due consideration of evaluation effort for changes to ENSDF) <b>Withdrawn</b>
(26)	NNDC	Keep evaluators informed about new rules.	Ensure that all previous guidelines are included within existing evaluators' guidelines. <b>Withdrawn</b>
(29)	Kibédi + Singh + Nichols	Quality Assurance	Draft guidelines for derivation of ground-state and isomer half-lives and possibly other quantities. <b>Completed</b>
(30)	Verpelli- Abriola	Improvement of dissemination tools.	Provide plotting capabilities in IAEA-ENSDF tools, provide pre-structured modular SQL-queries capabilities, and band-plotting, include comments retrieval. <b>Completed</b>

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(31)	All	ENSDF improvement	Send to Singh comments/criticisms on his proposal for resonance data by the end of June 2009. <b>Completed</b>
(34)	All	ENSDF improvement	Send comments before end of June 2009 on Firestone proposal for new field for neutron-capture cross-section normalization factor. <b>Withdrawn</b>
(35)	Audi	Provide evaluators with updated AMDC data.	Provide NNDC with latest interim AMDC evaluation of atomic masses by 1 May 2009 and every year thereafter. <b>Completed</b>
(36)	NSDD evaluators	Provide evaluators with updated AMDC data.	When AMDC list becomes available, evaluators should use these most recent values. <b>Completed</b>

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