

LIST OF CONTINUOUS, NEW AND COMPLETED ACTIONS

As of 31/01/2013

CONTINUOUS / ONGOING / PENDING			
No.	Responsible	Reason	Action
1 (1)	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-NSDD Web site. Continuous
2 (2)	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. Continuous
3 (3)	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 Copy of unpublished conference reports containing significant NSDD contribution should be sent to NNDC. Continuous
4 (4)	NDS-IAEA	Maintain up to date information on the Network.	Review, modify and correct the contents of INDC(NDS)-421. Continuous
5 (5)	BNL/NNDC	Published versions of ENSDF are required.	Continue journal "publication" of the mass chain evaluations. Continuous
6 (6)	All Network participants	Misprints and errors found in NSR and ENSDF.	Report errors detected in NSR, XUNDL and ENSDF to NNDC. Continuous
7 (7)	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. Continuous
8 (8)	All network participants	Bring NSDD evaluation work to the attention of the nuclear community.	Present network activities at different conferences and meetings. Continuous
9 (9)	All Network participants	Avoid duplication of work.	Participants should inform the NNDC about any development of software related to NSDD. Continuous
10 (10)	Evaluators	Young scientists to evaluate mass chains.	Encourage participation in research/evaluation of nuclear structure data. Continuous

N.B.: In the first column, numbers in brackets indicate the previous action number (see INDC(NDS)-595).

CONTINUOUS / ONGOING / PENDING (Cont'd)			
No.	Responsible	Reason	Action
11 (11)	All Network participants	Improve NSR	Send comments and suggestions on NSR improvements (indexing) to NNDC. Continuous
12 (12)	All ENSDF evaluators	Check validity of the rules.	Inform NNDC when experimental results appear to contradict the rules. Continuous
13 (13)	All Network participants	Improve quality of evaluations.	Solicit potential non-network evaluation reviewers, and send names to ENSDF manager (NNDC). Continuous
14 (14)	NSDD Network	Support new ENSDF evaluators.	Provide local support and mentoring to new ENSDF evaluators of mass chain evaluations. Continuous
15 (16)	BNL/NNDC; IAEA-NDS	Outreach	Continue to pursue initiatives to improve the international contributions to the ENSDF mass chain evaluations. Continuous
16 (17)	All Network participants	Outreach	Formulate and expand contributions to mass chain evaluations within their own countries. Continuous
17 (18)	IAEA-NDS	Keep links with horizontal evaluations.	Invite representatives of atomic mass and other horizontal evaluations to next meeting. Continuous
18 (19)	NSDD evaluators	Quality Assurance <i>Recommendation</i>	Consider updating the evaluation cut-off date when no or little experimentally significant new data are available. Continuous
19 (20)	Tuli, BNL/NNDC	Facilitate evaluators' work.	Analyze Nica's proposal to modify PANDORA. Ongoing
20 (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
21 (24)	NSR manager	Assignment of key numbers	Evaluators will be required to immediately send the relevant reference/article to NNDC. Continuous
22 (25)	NSR manager	Assignment of key numbers <i>Recommendation</i>	The keyword requirement for evaluators should be optional, however, it should be encouraged as it is valuable information. Continuous
23 (26)	BNL/NNDC	Hard-to-get references	Investigate digitizing of secondary references which are hard to get. Private communications are already scanned. Continuous

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CONTINUOUS / ONGOING / PENDING (Cont'd)			
No.	Responsible	Reason	Action
24 (28)	Firestone	ENSDF into XML	Look into possibilities of working with LLNL and report to network. (see Action 57) Continuous
25 (30)	Kibedi	Mixing ratio for E0, E2, M1.	Suggest changes to format in order to define mixing ratios. In progress
26 (31)	Sonzogni	Improve data that quantify continuum beta spectra.	Develop and recommend analysis codes to provide more detailed presentations of continuum beta spectra. In progress
27 (31)	Kibedi	Improve data that quantify Auger electrons.	Develop and recommend analysis codes to provide more detailed presentations of Auger electrons. In progress
28 (41)	Singh, Baglin, Browne, Kondev, Timor, Sonzogni, Tuli, Abriola	Guidelines	Revise evaluators' guidelines. To be continued by Tuli and McCutchan in consultation with Murray Martin and other evaluators.
29 (42)	Network	Policies	Point out to NNDC discrepancies in the current policies and propose changes and additions. Continuous
30 (43)	NNDC	Analysis codes	Notify Network of new versions. Continuous
31 (47)	NNDC	General policy pages in NDS.	Modify them as needed. Continuous
32 (48)	Firestone	Thermal neutron capture gammas.	Suggest procedure for inclusion of capture gamma intensities in adopted levels. Ongoing
33 (50)	NDS-IAEA	Training of evaluators	Explore if there is need for additional training workshops. Continuous

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NEW 2013

No.	Responsible	Reason	Action
34	NDS-IAEA/NNDC	Keep all information relevant to ENSDF available to network members	Keep network website updated-make talks available Continuous
35	NDS-IAEA/NNDC	Make newly evaluated nuclear moments (2011) available to all evaluators	Make updated evaluated nuclear moments file available on network website. Continuous
36	NNDC	Maintain up-to-date information on Network	Update website with the new group responsibilities
37	Sonzogni	Update codes	Incorporate AME 2012 into QCALC
38	Kondev	Update NSR with missing references on decay data	Contact M.-M. Bé and ask for list of references for nuclides that are included in the DDEP database but are not in NSR
39	NNDC	Maintain analysis codes up to date	Update all analysis codes that use masses to include AME 2012
40	All Evaluators/ Kibedi	Determination of mixing ratios from available experimental information/Improve calculations of mixing ratios	In cases where penetration effect plays a role recalculate mixing ratios from experimental information rather than Bricc Conversion Coefficients. In cases where mixing ratios in the file were based on HSICC those should be recalculated using BRICC. A new version of BRICC code for mixing ratio calculations is in works by Kibedi who will also look into how penetration effects can be incorporated, where relevant.
41	NDS-IAEA	Russian and Chinese Data Centers reports	D. Abriola should contact NSDD representatives of Russia and the Chinese Nuclear Data Center to clarify status of evaluation effort and participation in next meeting
42	All evaluators	Assignment of spin	In cases of uncertain JP, evaluators should assign up to three values in order of preference or should insert best-guess or theoretical spin value in 2L record
43	NNDC/ Johnson	Implementation of action 42 in FMTCHK	Modify FMTCHK to read continuation record containing JP estimates
44	Singh, Nichols	Evaluation of half-lives	Revise and distribute the final version of guidelines for evaluation of half-lives for ground states and long-lived isomers

NEW 2013 (Cont'd)

No.	Responsible	Reason	Action
45	NNDC/ Johnson	Policy implementation	Modify FMTCHK to take into account new policy that BR=NP is not needed
46	NNDC/ Johnson	Format	Update list of element names
47	Kondev, Herman, Tuli	Maintaining and updating codes	Evaluate status of analysis codes and determine priorities as to which codes should be re-written or corrected.
48	BNL-NNDC	Format	Look into modifying NDSPUB/HTML translator for cases with >26 XREF symbols
49	Singh, Kondev, Tuli	Policy	Revisit Rule 37
50	NNDC/ Tuli, McCutchan	General Guidelines	Include separate section on multipolarity assignment in the guidelines
51	Kelley, Tuli	Prompt particle decays from short-lived excited states	Explore method and format to include particle decays from excited states in ENSDF
52	Network	Ensure sustainability of XUNDL effort	Network participants with direct access to undergraduate students should explore possible ways of getting involved in the XUNDL effort and contact B. Singh
53	Singh	Facilitate conversion of published data tables to ENSDF format	Provide NNDC with procedure and computer code to translate tabular text to ENSDF format
54	Kibedi, Nichols, Kondev	Emerging need for inclusion of X-ray and other atomic data in decay datasets	Suggest possible ways to include atomic radiation data in ENSDF so that they are easily retrievable
55	NNDC/Tuli	Absolute intensities	Look into E. Browne's absolute intensity program and possible ways to incorporate it into ENSDF
56	Firestone	ENSDF	Suggest way of introducing genetic feeding in decay data into ENSDF
57	Firestone	ENSDF format	Prepare suggestions for new ENSDF format; liaise with IAEA
58	Balabanski/ NDS-IAEA	European Evaluators	Explore ways to acquire funding from the EU with the assistance of NDS-IAEA
59	NNDC-IAEA	Applied users/researchers are interested in retrieving decay data sets only	Look into making decay-only retrieval mode user friendly

NEW 2013 (Cont'd)

No.	Responsible	Reason	Action
60	Firestone- Univ.Oslo- NDS-IAEA	Database of γ -ray data	Hold a Consultant's Meeting to explore need for database of photon strength functions and report in two years
61	BNL-NNDC/ Tuli	Make status of updates in mass chain evaluations readily available	Request ELSEVIER and NNDC to include a copy of Nuclear Data Sheets Index page on their website every month
62	NDS-IAEA	Improve Tools	Include the possibility of displaying genetic relationships in LiveChart (already present in graphical form) in tabular form. Keep improving LiveChart.
63	All Evaluators	To keep ENSDF up-to-date <i>Recommendation</i>	Check NNDC monthly report for nuclides added to ENSDF by others that are in your mass-chain responsibility.
64	All Evaluators	<i>Recommendation</i>	Rule 25 should be used optionally
65	All Evaluators	Blank records in particular for unique gamma transitions intensity record problematic for ENSDF users	<p>Unique γ transitions are to be assigned intensity of 100%</p> <p>However, following discussions held after the meeting, participants felt that the above wording was too general to be practical, and suggested the following action, to supersede the original one:</p> <p>For a low-lying and generally low-spin level depopulated by a single definite gamma transition, give 100 for relative photon branching ratio (in RI field of Gamma record) in ENSDF Adopted dataset; total conversion coefficient for such a transition should be given if expected to be significant together with known or assumed multipolarity and mixing ratio. Low-lying levels are implied as typically first 30 or so for even-even, and first 15 or so for odd-even and odd-odd nuclei. Exceptions to this rule must be clearly noted and explained.</p>
66	NSR Manager	To ensure consistency of keynumber assignments in NSR database	Keynumber for AME 2012 publication is 2012Wa38. DOI numbers should be provided in NSR database.

COMPLETED			
No.	Responsible	Reason	Action
1 (15)	Shulyak, PNPI	To facilitate evaluators' work.	Provide copy of PNPI Editor, when finished to the Network to evaluate. Withdrawn
2 (21)	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). Partly withdrawn (see Action 42 and 43)
3 (22)	NNDC	Set Priority	Consider New criteria based on XUNDL, NSR to create priority list. Redundant/Withdrawn
4 (24)	NSR manager	Assignment of key numbers	Evaluators should be able to create key numbers remotely. Withdrawn
5 (27)	NNDC	XUNDL compilation date	Expand XUNDL index to show compilation date by nuclide. Completed
6 (29)	Kibedi	Calculate conversion coefficients. <i>Recommendation</i>	Mixing ratio default to be determined statistically or by evaluator, in either case comments should appear. Completed
7 (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. Completed
8 (33)	NNDC	Checking code <i>Recommendation</i>	Download Mitropolski's code and incorporate into FMTCHK. Withdrawn
9 (34)	All evaluators	Atomic masses <i>Recommendation</i>	Use 2011AuZZ masses and quote 2003Au03 in a comment. Completed
10 (35)	Audi	Atomic masses	Provide 2011 evaluation to NNDC by end of April 2011. Completed
11 (36)	Evaluators	BE2 compilation	Comments and feedback on the presentation and the paper attached to B. Prytichenko. Completed
12 (37)	All	Masses <i>Recommendation</i>	To get masses for new nuclides communicate directly with AMDC. Withdrawn
13 (38)	Evaluators	Moments <i>Recommendation</i>	Use N. Stone's 2011 evaluation after key number is assigned. Completed

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COMPLETED (Cont'd)			
No.	Responsible	Reason	Action
14 (39)	All	Half-life evaluations of ground state and isomers.	Provide comments on the draft recommendations by Sept 2011 to B. Singh. Withdrawn
15 (40)	NNDC/IAEA	Remote access	Develop a web interface for ENSDF utility codes to be run remotely. Completed
16 (44)	Evaluators	Isomer definition <i>Recommendation</i>	Isomer half-life limit is changed to greater than 100 ns. Completed
17 (45)	Evaluators	Charged-particle resonance data <i>Recommendation</i>	Adopt new policies and guidelines. Completed
18 (46)	Evaluators	Neutron capture gammas <i>Recommendation</i>	Include primary gammas in adopted levels. Completed
19 (49)	Network	ND 2013	Consider attending and presentation of your work. Completed
20 (51)	NDS/Abriola	Improvement of dissemination tools.	Continue to improve tools. Stage Completed (for new work see Action 62)

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