

22nd NSDD meeting, May 22-26, Berkeley, CA

Proposal

Implementation of NSDD accepted format/policy for the ENSDF database

Shamsuzzoha Basunia, LBNL

During the NSDD meetings, we often discuss and approve new format/policy/procedure for the ENSDF database. Usually we (evaluators/compiler) apply those adopted format/policy/procedures for our ongoing and future work. Over the years the size of the database has increased considerably (148 MB in 2004 to 217 MB in 2016), while the effort to revise/update the database has been dropped in recent years. Considering current level of total effort for ENSDF and trend, the revision time frame appears to be about 15 years for the whole database considering a uniform distributed work for all nuclides/mass-chains. That means, for any NSDD accepted formats/policies, it would take next 15 years to reflect that on the whole ENSDF database. This is quite a long time by any measures.

I wish to propose that in addition to the common practice of applying the new accepted format/policies for ongoing work, we also revise and update the respective datasets in ENSDF laterally within a time frame of two years and report the progress at the following NSDD meeting. A committee of two/three members can be formed for tracking, coordinating, and reporting the implementation and progress. The practice will make the database consistent within a shorter time frame for any adopted new format/policies change.