



INDC International Nuclear Data Committee

Nuclear Data Section Publications

Prepared by
Lidija Vrapcenjak and Ludmila Marian
IAEA Nuclear Data Section

November 2024

IAEA Nuclear Data Section
Vienna International Centre, P.O. Box 100, 1400 Vienna, Austria

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[http://nds.iaea.org/publications.](http://nds.iaea.org/publications)

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NDS.Contact-Point@iaea.org

or to:

Nuclear Data Section
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 Vienna
Austria

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1. Introduction

The Nuclear Data Section (NDS) has embarked on a project to modernize its main website. One of the areas that is impacted by this initiative is the Publications page.

In 2005, Andrej Trkov outlined the procedure for document archival within the Nuclear Data Section in INDC(SEC)-0106 [1]. Two years later, in 2007, Otto Schwerer detailed the data services documentation in Memo NDS-OS-6 [2].

Since then, numerous changes have been implemented, driven by both, technological advancements and procedural updates at the IAEA.

This report aims to document the current series of publications produced by the Nuclear Data Section, along with the recent changes to naming conventions and templates. Additionally, it includes the outcomes of internal discussions and meetings.

2. NDS webpage

The Nuclear Data Section's webpage, accessible at <https://nds.iaea.org>, is currently undergoing modernization. Until the new interface is ready, the existing one remains in use and is regularly updated. The new interface necessitates the streamlining of report numbering, as well as the review and cleanup of the currently used lists.

3. Publications

3.1 Main Categories of NDS Publications

The Nuclear Data Section (NDS) publications are categorized primarily into *IAEA-NDS* and *INDC(XXX)-*, with report numbers assigned by the NDS. Additionally, there are *Technical Documents (TECDOCs)*, *TRS series*, and *STI/PUB series*, for which the Publishing Section of the MTCD assigns the numbers. Another category is *Staff Publications*, which lists publications by NDS staff as main or co-authors on a dedicated part of the webpage. The *Nuclear Data Newsletter*, published twice a year in February and August, is available from the IAEA Publications webpage: <https://www.iaea.org/publications/search/type/nuclear-data-newsletter> and only linked from the NDS website.

The list of currently used country codes can be found here: https://nds.iaea.org/publications/indc_groups.php.

To simplify the process of assigning codes and DOIs in the future, it was decided that all incoming reports will receive an INDC(NDS)- code. If there is a specific request for assigning a country code, agreement must be sought from the author to allow the assignment of a DOI.

The report numbers will maintain the format INDC(NDS)-xxxx (4-digit numbers). Country-specific reports (when requested) will receive a report number in the format

INDC(CountryCode)-xxx (only 3-digit numbers, to avoid unnecessary leading zeros, since these series will not grow as much as the INDC(NDS)- series).

The INDC numbers assigned automatically by the current interface will be discontinued (INDC-xxxx).

Based on historical and current practices, the following are the current categories of reports with their usage:

- **IAEA-NDS** report numbers are assigned only for descriptions and updates of codes and data libraries, or their manuals.
- **INDC(NDS)**- report numbers are assigned for meeting summary reports, as well as for reports on technical work authored by NDS staff and consultants.
- **INDC(CountryCode)**- report numbers were historically assigned for progress reports from individual countries, containing country-relevant subjects - without NDS staff as co-authors and without receiving financial support from the Agency. In some cases like INDC(JPN)-, they were also used for conference proceedings. These will be used in the future only upon request.
- **INDC(SEC)**- report numbers were initially assigned only to documents received by the INDC Secretariat. Moving forward, these report numbers should be assigned to documents describing procedures and guidelines relevant to NDS, authored or co-authored by NDS staff.

3.2 Digital Object Identifiers (DOIs)

After nearly a decade of efforts, we are now able to assign DOIs to publications produced by the IAEA and NDS. Following several discussions, it was decided that DOIs will be assigned only to INDC(NDS)-reports and IAEA-NDS reports. The assignment of DOIs will be done retroactively, starting with INDC(NDS)-754 [3] as the first one to be assigned with DOI to honor Baastian Braams, former staff member of the Atomic and Molecular Data Unit, initiator of the DOI assignment discussions at the level of the IAEA.

DOIs will not be assigned for INDC country reports due to the uncertainty of the ownership rights. Since the authors are not IAEA staff members, future requests for assigning a country report number will require email confirmation allowing the IAEA to assign a DOI to that report.

3.3 INDC Reports Templates

Templates for INDC reports have been revised and distributed within the Section. Changes include the correct link to the webpage (“nds.iaea.org” instead of “www-nds.iaea.org”), removal of extra empty pages, starting page numbering with the Introduction as page 1, and removing distribution codes from the front page.

For Meeting Summary Reports there are a few additional considerations:

- To protect personal information, it is recommended to exclude email addresses and phone numbers from the list of participants.
- The URL of the meeting event should be provided.
- The list of presentations should include the title and the authors names, but not the URL for each presentation.

4. References

- [1] A.Trkov, INDC(SEC)-0106, Procedure for Document Archival at the IAEA-NDS, October 2005
- [2] O. Schwerer, Memo NDS-OS-6, Data Services, August 2007
- [3] B.J. Braams and C. Hill, Plasma-wall Interaction with Reduced-activation Steel Surfaces in Fusion Devices, INDC(NDS)-0754, <https://doi.org/10.61092/iaea.basb-m78v>

Nuclear Data Section
International Atomic Energy Agency
Vienna International Centre, P.O. Box 100
A-1400 Vienna, Austria

E-mail: nds.contact-point@iaea.org
Fax: (43-1) 26007
Telephone: (43-1) 2600 21725
Web: <https://nds.iaea.org>
