



# DOI Pages & Status

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Consultancy Meeting on Information Exchange on Developments and Operations of Nuclear Data Dissemination Services



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# General Requirements

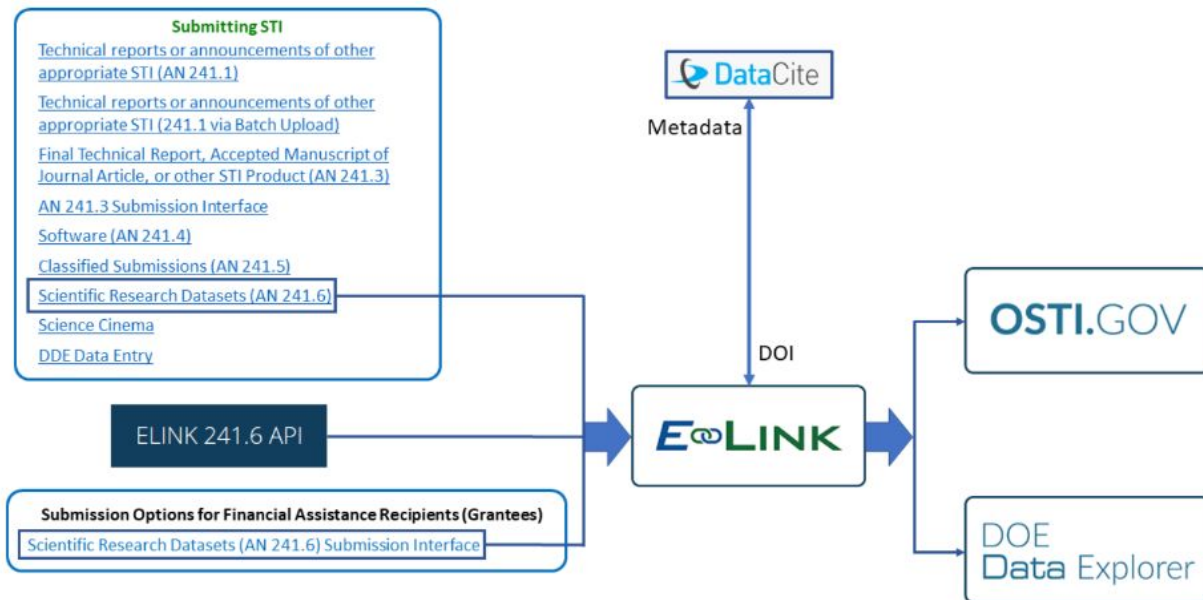
General requirements have been established for data registration. The submitter must:

- Provide the required metadata to enable basic, bibliographic citation
- Have the authority to make the data public, as the data owner, PI, or other designated submitter
- Guarantee the persistence of registered data
  - Ensuring that data are stored and managed for indefinite access and usability
  - Maintaining and updating all landing pages/URLs associated with the DOI

**OSTI DOES NOT CURRENTLY PROVIDE A REPOSITORY TO HOST DATASETS.**

# Minting DOIs

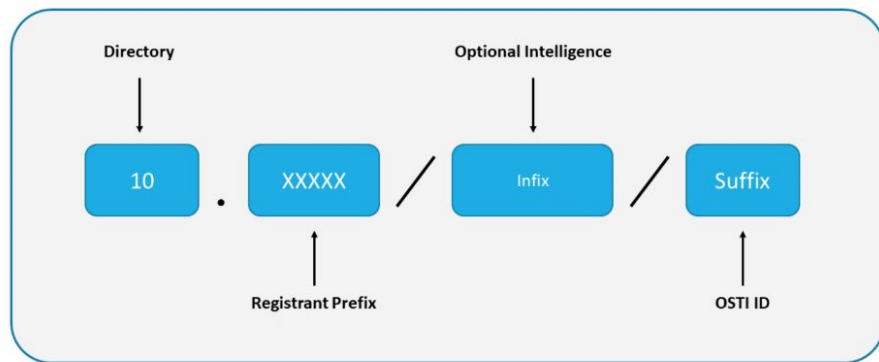
## Dataset Record Submission Workflow



# DOI Structure

A DataCite DOI consists of a prefix, infix, and suffix. Each OSTI data client receives a numeric prefix from DataCite, which is specific to that data client.

A DOI **prefix** begins with 10.XXXX, where XXXX is a series of numbers. (See Figure Below)



The **Infix** is optional and can be incorporated by the data client/submitter. The infix can add intelligence to the DOI by incorporating project, user facility, or other specific identification. The infix must contain 3-50 characters. Characters may **not** be spaces or forward slashes (/).

# Meta Data

subjects	A list of subjects, keywords, or key phrases describing the resource
description	A short description or abstract
publisher	The name of the entity that holds, archives, distributes, releases, or produces the resource
country_publication	The country in which this version of the record was published
publication_date	The publication date, in ISO-8601 format
entry_date	The date the record was added or last modified, in ISO-8601 format
doi	The Digital Object Identifier (DOI)
product_type	The product type of the record
language	The primary language of the resource
availability	If applicable, the office or organization to refer access requests to
related_resource	A list of other resources related to this resource
related_identifiers	A list of related identifiers for this resource
research_org	If credited, the organization name primarily responsible for conducting the research
sponsor_org	If credited, the organization name that sponsored / funded the research
contributor_org	If credited, the organization(s) contributing to the research
format	Additional format / paging information
product_number	The report number associated with the entry
dataset_size	The size of the resource
site_url	The url where the resource resides
site_ownership_code	The ID code of the submitting organization
doe_contract_number	The DOE contract number associated with the entry
links	A multivalued field containing link references for this article, typed by "rel" attribute (HATEOAS constraint)

# Meta Data

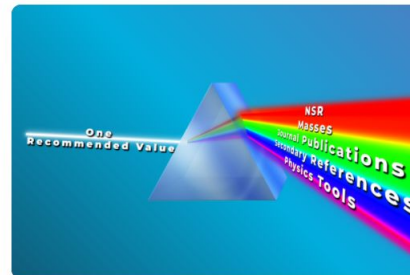
```
<reidentifiersblock>
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  <related_identifier>10.5072/238923</related_identifier>
  <relation_type>Cites</relation_type>
  <related_identifier_type>DOI</related_identifier_type>
</reidentifier_detail>
<reidentifier_detail relationType="References" relatedIdentifierType
="DOI">
  <related_identifier>10.5072/science/2019/18-200</related_identifier>
</reidentifier_detail>
<!-- optionally more details -->
</reidentifiersblock>
```

# Evaluated Nuclear Structure Data File

## Evaluated Nuclear Structure Data File (ENSDF)

Contains recommended nuclear structure and decay data for all the known nuclides, which are obtained following a critical review of all available experimental data, supplemented with systematic trend studies and theoretical models. ENSDF data include (i) nuclear level properties, such as observation source, energy, half-life, decay modes, spin and parity; (ii) gamma ray energies, intensities, multipolarities, mixing ratios and conversion coefficients; (iii) nuclear radiation energy and intensity as well as radiation-specific data for different radiation types, such as such as gammas, alphas, betas and neutrons. Data for about 220 nuclides are fully evaluated each year; additionally, many datasets are partially updated each year. Nearly all the evaluation work is supported by the US Nuclear Data Program. The National Nuclear Data Center at Brookhaven National Laboratory is responsible for coordinating the evaluation effort as well as its web and journal dissemination.

Keywords: Basic Nuclear Research, recommended nuclear structure and decay data, nuclear level properties, gamma ray properties, nuclear radiation.



19,537  Datasets	3,408  Nuclides	4,245  Decays	9,831  Reactions	300  Mass Chains
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Deposition Summary	
Depositor:	Elizabeth Ricard-McCutchan
Contact:	mccutchan@bnl.gov
Deposition date:	2022/02/14
Last modified:	2022/02/14
DOI:	10.18139/nndc.ensdf/1845010

Latest Dataset	
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Dataset Details	
Total Datasets:	19537
Nuclides:	3408
Decay Radiations:	4245
Reactions:	9831
Mass Chains:	300

Publication Details	
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