



Request for tender

Registration of DOIs for the OIML's Recommendations and other official publications, and for the key terms in legal metrology

The International Organization of Legal Metrology (OIML) is seeking proposals from suitably qualified and experienced entities for the registration of DOIs for its key publications and some key terms used in legal metrology.

Scope

The International Organization for Legal Metrology (OIML) is an intergovernmental organization founded in 1955. Its mission is to enable economies to put in place effective legal metrology infrastructures that are mutually compatible and internationally recognized, for all areas for which governments take responsibility.

The OIML is an “international standard-setting body”, and OIML publications should be applied, when appropriate, by all signatories of the WTO TBT Agreement when developing technical regulations

The OIML is taking its first steps towards its digital transformation and wishes to register DOIs for:

- its official publications
- the terms defined in the International Vocabulary for Legal Metrology (VIML).

The OIML's DOI prefix is: 10.63493

Aim

In addition to providing permanent references for the OIML's publications and the key terms in legal metrology, this project will render two initial sets of the OIML's data

machine-accessible. It is anticipated that the dynamic presentation of the landing pages (initially to be hosted on a remote site) will stimulate discussions in the Digitalization Task Group and the wider legal metrology community on their requirements for the digital transformation. It is expected that the novel approach presented for the Vocabulary will also be of interest to other parties in the international quality infrastructure.

Bibliographic data

The OIML's Recommendations and other official publications are available on the OIML website at:

- **Recommendations:** <https://www.oiml.org/en/publications/recommendations>
- **Documents:** <https://www.oiml.org/en/publications/documents>
- **Basic Publications:** <https://www.oiml.org/en/publications/basic>
- **Guides:** <https://www.oiml.org/en/publications/guides>
- **Expert Reports:** <https://www.oiml.org/en/publications/expert>
- **Seminar Reports:** <https://www.oiml.org/en/publications/seminar>
- **Vocabularies:** <https://www.oiml.org/en/publications/vocabularies>

The bibliographic data for these publications, as presented in the above web pages, are extracted from an SQL database, the relevant tables of which will be provided.

The "Other language translations" are not included in the present project.

The VIML is available online at:

- **Vocabulary (HTML version)** <http://viml.oiml.info/en/index.html>
- **Vocabulary (PDF version)** https://www.oiml.org/en/files/pdf_v/v001-ef22.pdf

Multi-part publications

The PDF files are currently registered in multiple parts in Adobe Portfolio format. Each individual part (plus the group) should be registered for its own DOI. Most of the recent Recommendations have at least 3 parts

The available PDF files will subsequently be made available (as sets as well as individually) on the OIML website in place of the current Portfolio format.

Indicative number of documents for registration of DOIs:

Publications (plus individual parts):	398
VIML terms:	89

Landing pages

The landing pages for the publications should also be generated dynamically through an API interrogating the knowledge graph.

The terms in the Vocabulary each have a web page (“landing page”). The landing pages are separate for the French and English definitions of a term and DOIs should be registered for both. The knowledge graph should thus encode the fact that each “concept” is associated with an English term, English definition, English notes etc., English landing page, English DOI, and all the equivalents in French. The only change formally required on the landing pages is to add the DOI for each term, and this will be done by the OIML’s contractor for the VIML website. However, it is requested that as part of the current contract a parallel structure be provided where the landing pages are generated dynamically through the knowledge graph and an API.

Deliverables

Publications

- Collate the bibliographic data of the OIML publications in XML format, and submit to Crossref for registration of the DOIs
- Collate the same data into a knowledge graph (JSON-LD or TTL format)
- Provide an API for the generation of the landing pages (to be hosted remotely initially)
- Provide a “demo site” hosting the landing pages

Key terms in legal metrology

- Collate the terms and definitions of the Vocabulary of terms in legal metrology in XML format, and submit to Crossref for registration of a DOI for each term (pre-existing landing pages)
- Collate the same data into a knowledge graph (JSON-LD or TTL format)
- Provide an API to trial automated generation of the landing pages (to be hosted remotely initially) in a parallel “more machine-friendly” form

The request to include the DOIs in the current landing pages for the Vocabulary and in the web pages for the publications will be addressed by the respective contractors.