



## Request for Tenders

### Expert to develop a digital version of the VIML; and register DOIs 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 development of a machine-accessible version of the VIML and the registration of DOIs for the key terms used in legal metrology.

#### 1 About the OIML

The OIML is an intergovernmental organization comprising 129 Members. The OIML develops model regulations, standards, and related documents for use by legal metrology authorities and industry.

The OIML is an “international standard-setting body” in the sense of the World Trade Organization’s Technical Barriers to Trade Agreement.

#### 2 Scope

The OIML is taking its first steps towards its digital transformation and wishes to

- Develop a digital version of the International Vocabulary of Legal Metrology (VIML), with an API interface;
- register DOIs for the terms defined in the International Vocabulary for Legal Metrology (VIML).

A machine-readable version of the VIML is an essential reference for the future development of SMART OIML Recommendations, and we anticipate that the knowledge model developed for this project will stimulate discussion amongst the other JSI signatories developing digital vocabularies.

The VIML is available online at:

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

Indicative number of documents for registration of DOIs:

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VIML terms:	89	(in both EN and FR)
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### 3 Essential requirements

This project is to:

- develop a data model for the International Vocabulary of Legal Metrology (VIML)
- transform the VIML into a knowledge graph (JSON-LD or TTL)
- provide an API interface to answer machine calls and generate landing pages for the terms
- register a DOI for each term

The data model should encode the fact that each “concept” in the VIML is associated with an English term, English definition, English notes etc., English landing page, English DOI, and all the equivalents in French. It should also allow for the fact that definitions may change with time, when new editions of the VIML are produced, and that some terms may also be defined elsewhere – such as in the International Vocabulary of Metrology (VIM).

The landing pages will initially be generated off-site, but should constitute a suitable replacement for the existing HTML version of the VIML.

### 4 Essential qualifications and experience

This tender is open to all professional individuals or organizations with expertise in developing knowledge graphs and APIs, and in registering DOIs.

### 5 Responding to this Request for Tender

Proposals from interested entities should include:

- An overview of the submitting entity, including (if applicable) its corporate structure and experience;
- Information on how the submitting entity proposes to respond to the requirements in clause 3 above;
- Details of relevant experience satisfying clause 4 above;
- Details of experience in metrology and the quality infrastructure in terms of the number of years active in this field;
- The cost and proposed timeline for the supply of the services according to this request for tender;
- A statement that this request for tender has been read and understood in its entirety;
- A statement regarding any conflict(s) of interest;
- The details of any confidentiality requirements(s);
- Any other relevant information.



Organisation Internationale de Métrologie Légale  
International Organization of Legal Metrology

## 6 Deadline

Proposals must be emailed to [submissions@oiml.org](mailto:submissions@oiml.org) by 17:00 UTC+2 on 27 May 2026.

## 7 Further information

For any information, please contact Dr Janet R Miles at the BIML.

The OIML reserves the right to modify, suspend, reissue or terminate this Request for Tender at any time.