JOINT COMMITTEE FOR GUIDES IN METROLOGY (JCGM)

The JCGM develops and maintains international guidance documents to address the **general metrological needs of science and technology**, and arrangements for their dissemination.

The JCGM maintains and promotes the use of:

- Guide to the Expression of Uncertainty in Measurement (GUM).
- International Vocabulary of Metrology – Basic and General Concepts and Associated Terms (VIM).

IMPACT

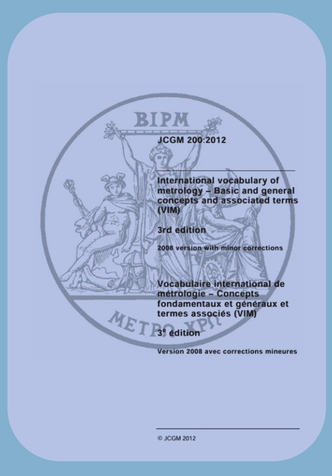
Wherever measurements are taken, metrologists turn to the VIM for a shared, harmonized vocabulary. From NMIs to industry, the GUM supports a consistent and coordinated treatment of measurement uncertainty at every link in the measurement chain.

KEY ACHIEVEMENTS SINCE 2022

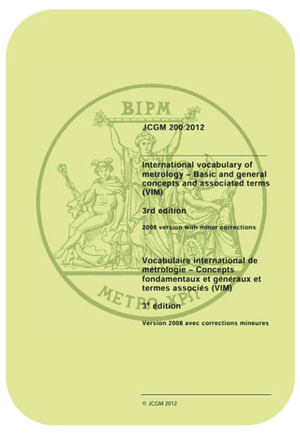
JCGM GUM-1:2023 GUM– Part 1: Introduction

Published in 2024

- The document provides the **rationale for evaluating, expressing and using measurement uncertainty.**
- An introduction is given to measurement and to the decisions involved when evaluating measurement uncertainty.



Credit: BIPM



Credit: BIPM

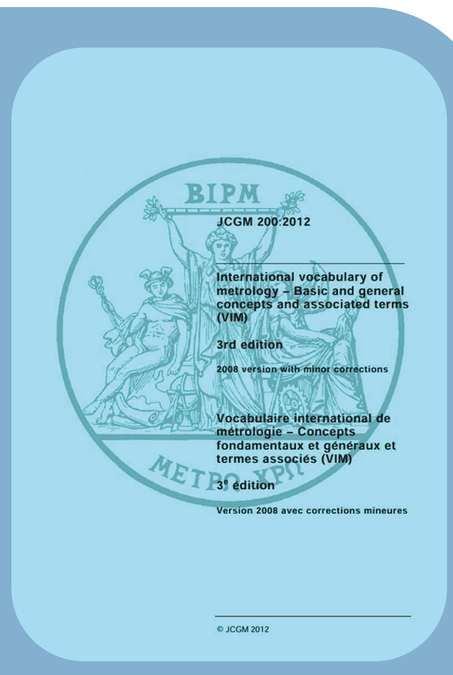
JCGM GUM-5:2026 GUM– Part 5: Examples

Published in July 2026

The document contains examples and case studies intended to illustrate the principles presented in the GUM suite for **evaluating and reporting measurement uncertainty.**

JCGM 200:202X: VIM — Fourth Edition (the VIM4)

- Deadline for publication approval in September 2026.
- The fourth edition represents a **major revision of the VIM**.
- It focuses primarily on introducing **20 new entries on nominal properties** and examinations. Nominal properties are defined as properties for which comparison only by equivalence applies.
- An annex details the significant changes with respect to the VIM3.



Credit: BIPM