General Documents Derived from the GUM

The following citations are for information purposes but are not necessarily endorsed by the members of JCGM/WG 1. This compilation is not meant to be exhaustive.

<table>
<thead>
<tr>
<th>Year</th>
<th>Citation</th>
</tr>
</thead>
</table>
NIS 80, 1994 Edition, NAMAS Executive, National Physical Laboratory, Teddington, UK. |
| 1994 | Traceable Calibration and Uncertainty of Measurements and Tests  
| 1994 | Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results  
Barry N. Taylor and Chris E. Kuyatt  
NIST Technical Note 1297, 1994 Edition, National Institute of Standards and Technology, Gaithersburg, USA. |
| 1995 | Determining and Reporting Measurement Uncertainties  
| 1995 | Calibration, Traceability and Uncertainty  
NT Techn Report 305, NT guaranteed seminar in Espoo, 1995, Nordtest, Espoo, Finland. |
1997

The Expression of Uncertainty and Confidence in Measurement

1998

Observing Validation, Uncertainty Determination and Traceability in Developing Nordtest Test Methods
Magnus Holmgren

1999

A Beginner’s Guide to Uncertainty of Measurement
Stephanie Bell
Measurement Good Practice Guide No. 11, 1999, National Physical Laboratory, Teddington, UK.

Tools for the Test Laboratory to Implement Measurement Uncertainty Budgets
S.N. Rasmussen
NT Techn Report 430, 1999, Nordtest, Espoo, Finland.

2000

Quantifying Uncertainty in Analytical Measurement

Estimer l’incertitude - Mesures - Essais
C. Perruchet and M. Priel
ISBN 2-12-460703-0, 2000, AFNOR, Paris La Défense, France.
Spanish version: Estimacion de la incertidumbre : Medidas y ensayos
**Guía para Estimar la Incertidumbre de la Medición**

W. A. Schmid and R. J. Lazos Martínez
Centro Nacional de Metrología, May 2000, México.

**2001**

*Estimation and Uncertainty in Metrology*

W. Bich

*Software Specifications for Uncertainty Calculation and Associated Statistical Analysis*

M.G. Cox, M.P. Dainton and P.M. Harris
NPL Report CMSC 10/01, from the Software Support for Metrology Programme, March 2001, National Physical Laboratory, Teddington, UK.

*Uncertainty and Statistical Modelling*

M.G. Cox, M.P. Dainton and P.M. Harris
Best Practice Guide No. 6, from the Software Support for Metrology Programme, March 2001, National Physical Laboratory, Teddington, UK.

*Use of Monte Carlo Simulation for Uncertainty Evaluation in Metrology*

M.G. Cox et al.

*The Total Median and its Uncertainty*

M. G. Cox and E. Pardo Iguzquiza
Bayesian Approaches to Data Fusion in Metrology
G. P. Kelly

How to Treat Correlation in the Uncertainty Budget, when Combining Results from Different Measurements
R. Kessel et al.

Evaluation of measurements by the method of least squares
L. Nielsen

The Estimation of a Confidence Belt for the Uncertainty Expression in a Measurement Process by Computationally Intensive Methods
A. Zanobini, G. Luculano, G. Pellegrini Gualtieri

2002

Introducing the Concept of Uncertainty of Measurement in Testing in Association with the Application of the Standard ISO/IEC 17025

I. Lira
2003

Measurement Uncertainty in Chemical Analysis
P. De Bièvre and H. Günzler (Eds)

EA guidelines on the expression of uncertainty in quantitative testing
EA Laboratory Committee

2006

Guide to the evaluation of measurement uncertainty for quantitative test results

An Introduction to Metrology
R. Laaneots and O. Mathiesen

2007

Measurement uncertainty revisited: Alternative approaches to uncertainty evaluation

2009

Analysis of dynamic measurements: compensation of dynamic error and evaluation of uncertainty, in "Advanced Mathematical & Computational Tools in Metrology VIII"
C. Elster and A. Link
Guidelines on the Reporting of Compliance with Specification

ILAC-G8:03/2009, International Laboratory Accreditation Cooperation.

Derivation of an output PDF from Bayes' theorem and the principle of maximum entropy, in "Advanced Mathematical & Computational Tools in Metrology VIII",

I. Lira, C. Elster, W. Wöger and M.G. Cox

Impact of correlation in the measured frequency response on the results of a dynamic calibration, in "Advanced Mathematical & Computational Tools in Metrology VIII",

G. Wübbeler, A. Link, T. Bruns and C. Elster

2011

Determination of measurement uncertainties in photometry

Commission international de l’éclairage
Supplement 1: Modules and Examples for the Determination of Measurement Uncertainties
Part 1: Modules for the Construction of Measurement Equations, CIE 198-SP1.1:2011
Part 2: Examples for Models with Individual Inputs, CIE 198-SP1.2:2011
Part 3: Examples for the Solving of Systems of Equations, CIE 198-SP1.3:2011
Part 4: Examples for Models with Distributions, CIE 198-SP1.4:2011

Tutorial for Metrologists on the probabilistic and statistical apparatus underlying the GUM and related documents

A. Possolo and B. Toman
NIST web site, 2011
2012

*Uncertainty evaluation for continuous-time measurements, in "Advanced Mathematical & Computational Tools in Metrology and Testing IX"

S. Eichstädt and C. Elster

*Assessment of the GUM S1 Adaptive Monte Carlo Scheme, in "Advanced Mathematical & Computational Tools in Metrology and Testing IX"

G. Wübbeler, P. M. Harris, M. G. Cox and C. Elster

2013

*Evaluation of the Uncertainty of Measurement in Calibration

Document EA-4/02 (previously EAL-R2), revision 01, September 2013, European co-operation for Accreditation.