**INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) SYSTEM FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**Title: Report from Mr. David Stubbings, ExTAG WG 04 Convenor, Uncertainty of Measurement (OD 12)**

**Circulated to: ExTAG – IECEx Testing and Assessment Group**

**INTRODUCTION**

This document has been prepared by Mr David Stubbings, Convenor of ExTAG WG 04, Uncertainty of Measurement (OD 12).

The document serves as a status report for discussion during the ExTAG 2020 Remote Meeting.

**On behalf of**

***Professor Xu Jianping***

***ExTAG Chair***

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**Report from ExTAG WG 04 – Uncertainty of Measurement (OD 12)**

**Membership**

David Stubbings (Eurofins CML – Convenor)
Michel Brenon (Consultant E&E Global Certification Expertise)
Katy Holdredge (UL)
Ulrich Jacobs (TÜV SÜD Product Service GmbH (TPS))
Wang Jun (CQST)
Tim Krause (PTB)
Bernard Piquette (INERIS)
Xu Jianping (NEPSI)

**Task**

During the 2019 ExTAG Dubai meeting there was a calling for a revision to OD 012 and any other related matters. As a result ExTAG WG04 was reactivated with Mr Stubbings once again as the Convenor.

The WG established the following tasks to complete the request:

* General update to OD 012 to reflect clauses of ISO IEC 17025 2017 (Ed 3)
* Improve English and document formatting
* Expand section 5.1 to clarify that Method 1 or Method 2 is acceptable
* Add new section 5.5 Notes for IECEx assessors
* Add new section to cover how internal and external calibration should be addressed, including those for equipment used for witness testing.

**Report**

The members corresponded by emails and online meeting to establish the work plan and produce a draft revised document.

The draft has been circulated among the members but additional text has been requested to clarify the need to calculate measurement uncertainty when the measurand has no tolerance provided in the standard.

It is expected that this work will be completed before the end of 2020.

Yours

David Stubbings