**INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR**

**CERTIFICATION TO STANDARDS RELATING TO EQUIPENT FOR USE**

**IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**Circulated to: IECEx Management Committee (ExMC)**

**Title: Establishment of Formal Liaison with ISO TC 197/SC1 “Hydrogen Technologies”**

Introduction

During the 2022 Annual Meeting of the IECEx Management Committee, ExMC, the meeting received a report from ExMC WG19 “*Application of IECEx to the Hydrogen Economy*”, ExMC/1868/R in which mention was made of the close cooperation between ExMC WG19, the IECEx Officers and experts from ISO Technical Committee TC 197 “Hydrogen Technologies”.

This close cooperation with ISO TC 197, provided valued input to the work of ExMC WG19 in their development of

* newly published IECEx OD 290 - *Harmonized procedures for IECEx certification of equipment, components and systems associated with the production, dispensing and use of gaseous hydrogen;* along with

* introduction of new IECEx CoPC Unit 011 – Hydrogen Safety

This cooperation between IECEx and ISO TC 197 is set to continue noting ISO TC 197’s continued work on international standards in this area and IECEx decision to introduce these standards into the IECEx portfolio. Of particular notice is the proposed re-activation of work for an international standard dedicated to Hydrogen dispensers as part of the ISO 19880 series.

Given the growing level of global interest in Hydrogen as an energy source, including International focus on Green Hydrogen, we noted that ISO TC 197 formed Subcommittee SC1, known as:

**ISO/TC 197/SC1** - *Hydrogen at scale and horizontal energy systems*. Details of the Scope and country membership of ISO/TC 197/SC1 can be found via the ISO website at

<https://www.iso.org/committee/9387084.html>

ISO/TC 197/SC1, held its recent meeting in Sydney on 7th December 2022, during which the IECEx was invited to give a presentation on its activities, CA services and the collaboration work with ISO TC 197 experts so far. Similarly, the Chair of IEC SC31J also gave a presentation on the activities of SC31J and IEC TC 31.

Following brief discussions, the ISO/TC 197/SC1 meeting took Resolutions, to seek Formal Liaisons, each with IEC SC 31J regarding Standards development and also a separate Formal Liaison with IECEx, regarding Conformity Assessment, noting that the Scope of ISO/TC 197/SC1 includes aspects of testing and certification along with coordination with other Standardisation bodies and stakeholders, making formal cooperation with IECEx, a logical step.

The IECEx Chair and IECEx Executive along with the ExMC WG19 Convener and Secretariat support this move to create a formal Liaison between IECEx and ISO/TC 197/SC1, as a means of formalising the on-going cooperation between ISO TC 197 and IECEx, on matters relating to testing and certification in this area.

Therefore, IECEx ExMC Members are now requested to agree with the following:

1. Agree with the request and resolution from ISO/TC 197/SC1 to establish a formal liaison between ISO/TC 197/SC1 and IECEx.
2. Appointment of Dr Thorsten Arnhold, DE (Member of the IECEx Executive + WG19 Convener) as the IECEx Liaison Officer to ISO/TC 197/SC1

**The proposal contained in this document is hereby submitted for ExMC approval via correspondence using the IECEx on-line voting system.  ExMC Members are requested to submit their vote via the IECEx On-line** [**Ballot System**](https://www.iecex.com/ballot) **by the closing date 2023 01 31**

Please refer to OD 050 for guidance on the “IECEx On-line voting system.”

Please feel free to contact the IECEx Secretariat via [info@iecex.com](mailto:info@iecex.com) if you have any questions.

IECEx Secretariat

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