



**8th Meeting of the IECEx ExSFC
(Service Facility Certification Committee)**

Tuesday 7th June 2022

Peter Thurnherr

Report ExSFC



- **Report on last ExSFC meeting is available and has been provided to ExMC members as ExMC/1853/RM**
- **This presentation focuses on highlights of ExMC/1853/RM**



ExSFC Working Groups

- **Group 4 – Inspection & Maintenance Service**
- **Group 5 – Repair and Overhaul**

Personal goal:

- **Group X – Electrical installations design, selection and installation of equipment, including initial inspection**



IECEX OPERATIONAL DOCUMENT

IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEX System)

**IECEX Certified Service Facilities Scheme –
Part 4: Ex inspection and maintenance –
Quality management system requirements for IECEx Service Facilities
providing Ex installations related services**



IECEX OD 314-5

Edition 2.0 2021-12

IECEX OPERATIONAL DOCUMENT

IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEX System)

**IECEX Certified Service Facilities Scheme –
Part 5: Repair, overhaul and reclamation of Ex equipment –
Quality management system requirements for IECEX Service Facilities
involved in the repair, overhaul and reclamation of Ex equipment**



IECEX OPERATIONAL DOCUMENT

IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEX System)

**IECEX Certified Service Facilities Scheme –
Part 5: Repair, overhaul and reclamation of Ex equipment**

**Additional requirements for IECEx Service Facilities involved
in the repair, overhaul and reclamation of Ex equipment**



IECEX OPERATIONAL DOCUMENT

IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEX System)

**IECEX Certified Service Facilities Scheme –
Part 4: Ex inspection and maintenance**

Assessment procedures for IECEx acceptance of Candidate Certification Bodies (ExCBs) for the purpose of issuing IECEx Certificates to Ex Service Facilities providing Ex installations related services

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Explosive atmospheres –
Part 19: Equipment repair, overhaul and reclamation**

**Atmosphères explosives –
Partie 19: Réparation, révision et remise en état de l'appareil**



Key Action from 2022 ExSFC Meeting

ExSFC WG5 (under leadership of new Convenor, Mr John Allen) to prepare a draft revision of IECEx OD 316-5 to reflect the content of Mr Allen's presentation regarding the requirements of IEC 60079-19:2019 and IEC 60034-23.

Draft ExSFC Decision Sheets (see following slides for details).



ExSFC/019/DS
MMM 2022

IECEX ExSFC DECISION SHEET



I

Standard: None	Clause: Not Applicable	Reference Publications: Not Applicable
Subject: Inclusion of non-electrical equipment within the certified scope of repair workshops Status of document: DRAFT	Key words: Scope Non-electrical equipment Repair	Date of Issue: 2022 MM DD Originator of original proposal: IECEX ExSFC IEC 31 TC/SC/MT involved: None at this point in time however advice from TC 31/SC 31M/WG 1 is anticipated in the future at which time this DS will be withdrawn or revised.
Background: 1. IEC 60079-19 includes information on certain repair techniques that are equally applicable between electrical and non-electrical equipment, such as metal spraying recovery techniques for shafts, bearing housings and spigots. 2. IEC 60079-19 does not specifically exclude non-electrical equipment from its scope. 3. IEC 60079-19 makes specific reference to the electrical protection concept standards but not to ISO 80079-36 and ISO 80079-37.		



ExSFC/020/DS
MMM 2022

IECEX ExSFC DECISION SHEET



Standard: None	Clause: Not Applicable	Reference Publications: Not Applicable
Subject: Original Equipment Manufacturers (OEM's) Status of document: DRAFT	Key words: <ul style="list-style-type: none">• Original Equipment Manufacturers• Work instructions• Facilities	Date of Issue: 2022 MM DD Originator of original proposal: IECEX ExSFC IEC 31 TC/SC/MT involved: None.

NOTE: This ExSFC Decision Sheet replaces ExTAG DS 2006/009A and includes all text (unchanged) from ExTAG DS 2006/009A

Question

How should the IECEX Service Facilities Certification scheme be applied where Original Equipment Manufacturers (OEM's) provide relevant services through a network of facilities at different locations

Answer

Normally, each separate facility will be subject to on site audit by the IECEX CB, at the normal frequency.

If the separate facilities have their own Quality System, they will each have their own FAR, and will each be the

Recent achievements





Future work already underway

Preparation of specification to IEC IT for improvements to the IECEx Online Certificate System for the IECEx Certified Service Facility Scheme.

Provision of guidance to the IECEx Ex Assessment Group (ExAG) on requirements for audits of certified service facilities.

The first element of this is an excellent presentation prepared by John Allen on the application of IEC 60079-19, Edition 4.0.



IECEX SFC 03-5 Service Facility Assessment Guidance

**John Allen
Sheppard Engineering Ltd
EASA Representative**

**Ex SFC Meeting
2022-06-07**





Future work already underway

Update of IECEx Certified Service Facility Scheme brochure





Thank you for your attention!