



IECEX OPERATIONAL DOCUMENT

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

**IECEX certified equipment scheme –
Procedures for the issuing of IECEx certificates of conformity, IECEx test reports and IECEx quality assessment reports**



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**IECEx certified equipment scheme –
Procedures for the issuing of IECEx certificates of conformity, IECEx test reports and IECEx quality assessment reports**

CONTENTS

CONTENTS	2
FOREWORD.....	3
INTRODUCTION.....	4
SECTION 1 – Procedures for the issuing of an IECEx certificate of conformity	5
SECTION 2 – Procedures for the issuing of an IECEx test and assessment report (ExTR)	13
2.1 Definitions.....	13
SECTION 3 – Procedures for the issuing of an IECEx quality assessment report (QAR)	20
SECTION 4 – Surveillance audits – Procedures for maintaining an IECEx certificate of conformity	29
SECTION 5 – Procedures for the processing of changes to issued IECEx certificates of conformity	35
Annex A Acceptance of test/assessment data obtained prior to the application for an IECEx test report or IECEx certificate of conformity	41
A.1 Introduction.....	41
A.2 Acceptable use	41
A.2.1 Acceptance of test data obtained prior to the acceptance of an ExTL by the IECEx management committee	41
A.2.2 Acceptance of test data obtained after an ExTL has been accepted by the IECEx management committee but yet obtained prior to the application for an ExTR or IECEx CoC.....	41
A.2.3 Manufacturer's test data.....	41
A.2.4 Method and format for reporting by ExTLs and ExCBs	42
Annex B Acceptance of quality assessment and audit data obtained prior to the application for an IECEx quality assessment report	43
B.1 Introduction.....	43
B.2 Acceptable use	43
B.2.1 Acceptance of quality assessment and audit data obtained prior to the acceptance of an ExCB by the IECEx management committee	43
B.2.2 Acceptance of quality assessment and audit data obtained after an ExCB has been accepted by the IECEx management committee but yet obtained prior to the application for an IECEx QAR or IECEx CoC.....	43
Annex C - Guidance for the creation of Specific Conditions of Use (Normative)	44
C.1 Introduction.....	44
Figure 1 – Process for issuing an IECEx certificate of conformity	6
Figure 2 – Process for issuing an IECEx test and assessment report (ExTR).....	15
Figure 3 – Process for issuing an IECEx quality assessment report (QAR)	21
Figure 4 – Surveillance operations – Overview	30
Figure 5 – Process for dealing with changes to IECEx certification – Overview.....	36

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IECEX Operational Document 009**IECEX certified equipment scheme –
Procedures for the issuing of IECEX certificates of conformity,
IECEX test reports and IECEX quality assessment reports****FOREWORD**

This operational document, OD 009, sets out the procedures for the processing of applications for IECEX certificates of conformity (CoC), IECEX test reports (ExTRs), IECEX quality assessment reports (QARs), in accordance with the rules and procedures IECEX 02.

Attention is drawn to IECEX operational document IECEX OD 033 for the procedures to be used when issuing IECEX unit verification certificates of conformity.

Document history

Date	Summary
2003-06	Original issue (Version 1)
2010-08	Edition 2 includes: • clarification over the situation of applications for CoCs where manufacturers already hold IECEX certification for other products and valid QARs • inclusion of Section 3 "Changes to certification" • clarification of IECEX on-line registration of ExTRs and QARs
2012-05	Edition 3 includes: • updated references to new ISO/IEC 80079-34 • clarification of various stages
2016	Edition 4.0 as approved for publication via ExMC Decision 2016/42 regarding ExMC/1154/DV includes a number of text changes that have been included to improve clarity and in response to ExMC Decision 2016/41 regarding ExMC/1152/CD
2017-10	Edition 4.1 as approved via ExMC Decision 2017/36 regarding ExMC/1250/DV that incorporates changes to Step 6 of Section 1 as recommended by ExMC WG1 from their May 2017 meeting.
2018-10	Edition 4.2 as approved via ExMC Decision 2018/37 regarding ExMC/1392/DV and additional edits agreed during the 2018 ExMC meeting.
2019-11	Edition 4.3 as approved via ExMC Decision 2019/27 regarding ExMC/1518/DV that incorporates changes to Section 4 "Surveillance audits – Procedures for maintaining an IECEX certificate of conformity – Description of activity"
2021-10	Edition 4.4 to: • amend Step 12 of Section 4 for notification to ExCBs of negative results of QAR during surveillance audits for consideration at ExMC WG1 Shanghai meeting • require the reference of IECEX 02 in the terms and conditions of ExCBs at the application stage, re Section 1 Step 1 • reference to OD 250 in the introduction of Section 4 for managing surveillance audits
2022-10	Edition 4.5 published to include revisions proposed by ExMC WG1 to achieve consistency with rules, ISO/IEC 17025 and ISO/IEC 17065
2025-12	Edition 4.6 published to add Annex C (refer ExMC Decision 2025/25) and to revise the table in Section 2 as proposed to ExMC WG1 by ExTAG WG1 and endorsed by ExTAG

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INTRODUCTION

This document is supplementary to the operational manuals and procedures operated by IECEx certification bodies (ExCBs) and IECEx test laboratories (ExTLs) for the purpose of ensuring a thorough and consistent assessment of applications for either an:

- IECEx certificate of conformity
- IECEx test report (ExTR)
- IECEx quality assessment report (QAR)

The IECEx certified equipment scheme of the IECEx System is modelled on an ISO Type 5 certification system with the rules, IECEx 02, requiring that both an ExTR (covering product testing) and a QAR, covering the same product, be issued in order that an ExCB may then issue an IECEx certificate of conformity. This is shown in the flowchart contained in Section 1.

This IECEx operational document comprises 5 sections:

- **Section 1** – Procedures for the issuing of an IECEx certificate of conformity
- **Section 2** – Procedures for the issuing of an IECEx test and assessment report (ExTR)
- **Section 3** – Procedures for the issuing of an IECEx quality assessment report (QAR)
- **Section 4** – Surveillance audits – Procedures for maintaining validity of an IECEx certificate of conformity
- **Section 5** – Procedures for the processing of changes to issued IECEx certificates of conformity

The procedures are set out in table form identifying:

- Step number showing the link between flowcharts and table
- Description of the activity
- Related documents
- Responsible person or party
- Additional comments and remarks where appropriate

This operational document also captures previous decisions of the IECEx management committee concerning the use of “previously obtained” test data and the procedures for the compiling and issuing of ExTRs.

The preparation of this document has been done so with the aim of alignment with various ISO/IEC International Standards, including but not limited to the following:

ISO/IEC 17030, *Conformity assessment - General requirements for third-party marks of conformity*

ISO/IEC 17026, *Conformity assessment - Example of a certification scheme for tangible products*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*

ISO 10011 series on guidelines for auditing quality systems

**IECEX certified equipment scheme –
Procedures for the issuing of IECEx certificates of conformity,
IECEX test reports and IECEx quality assessment reports**

SECTION 1 – Procedures for the issuing of an IECEx certificate of conformity

This section is to be applied by ExCBs and ExTLs when processing new applications for:

- IECEx certificate of conformity

These steps are in line with the requirements of ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*

, in addition to the requirements as laid down in the IECEx scheme rules, IECEx 02.

Section 1 also refers to Annex A for the criteria for use of previous test data and Annex B for criteria concerning the use of quality system assessment and audit results obtained prior to the application for an IECEx certificate of conformity being lodged.

The procedures detailed in IECEx OD 033 are to be followed when issuing an IECEx unit verification certificate of conformity.

IECEX OD 017, *Drawing and documentation guidance for IECEx certification – For use by manufacturers and ExTLS* is also a useful reference document in the application of IECEx OD 009.

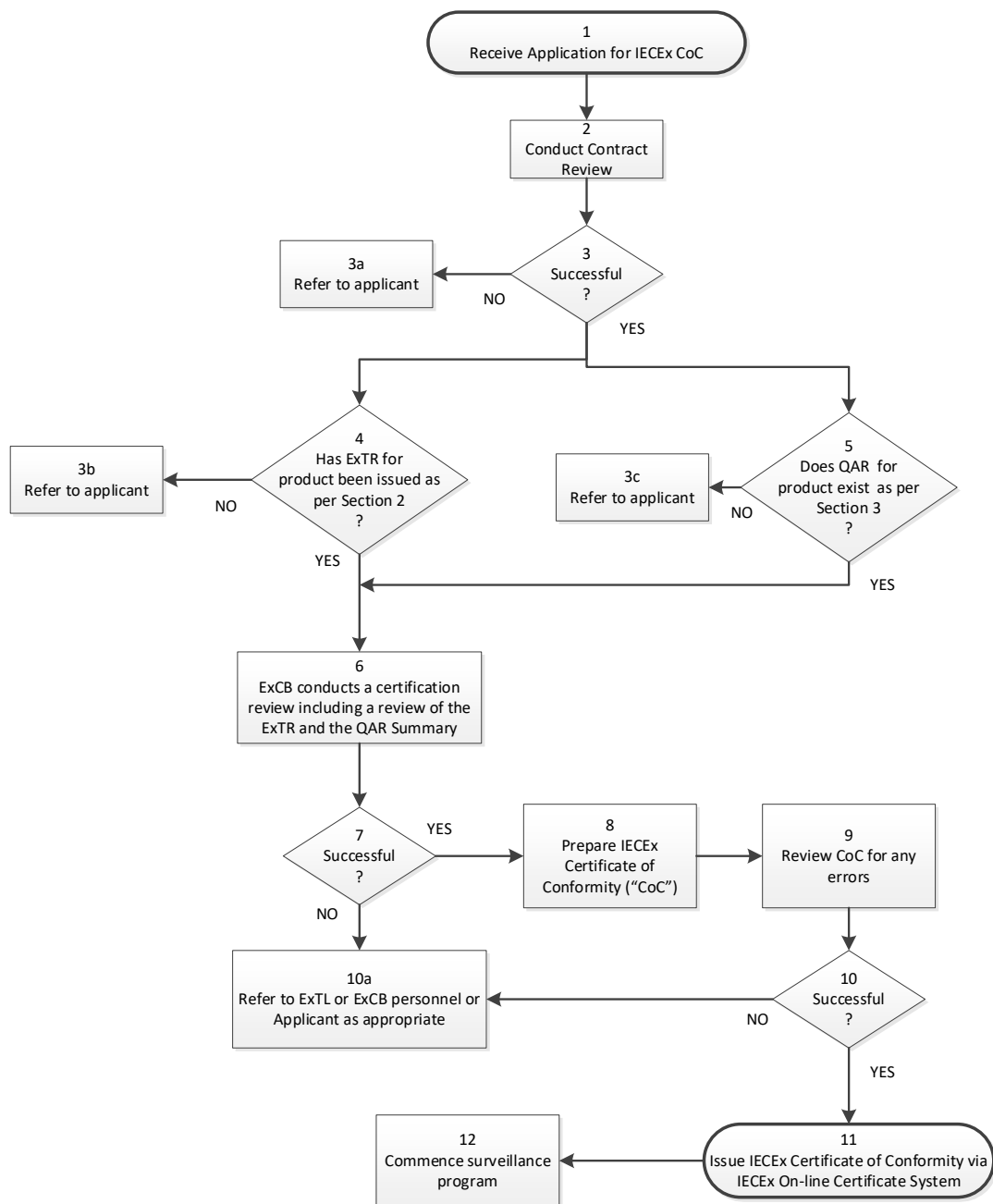


Figure 1 – Process for issuing an IECEx certificate of conformity

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
1	Application received in accordance with IECEx 02. For applications for IECEx unit verification certificates of conformity, refer to IECEx OD 033. The ExCB shall ensure that the applicant is aware of and agrees with the terms and conditions of the ExCB which shall include reference to the current editions of IECEx 02 Rules and IEC CA 01.	IECEX 02	ExCB	Applications for an IECEx certificate of conformity can only be made for an IEC or ISO International Standard and shall be made for the current edition or one edition prior. It should be noted that an IECEx certificate of conformity may be issued for unit verification, the procedures for which are detailed in IECEx OD 033.
2	Contract review to be conducted by the ExCB receiving the application, in accordance with the ExCB's own quality system and as required by ISO/IEC 17065. Contract review shall include: • A review to ensure that the application is within the scope of acceptance of the ExCB and associated ExTL • Whether the manufacturer has an established quality management system • Whether a surcharge applies for manufacturers from non-member countries (Refer to IECEx OD 019 on IECEx System fees) • Estimation of costs and time to complete project • Determination of any special requirements, for example, travel for site audit, etc. • Agreement on method and system of payment by applicant, in accordance with ExCB's own policy and quality system	ExCB's own certification procedures as included in their quality system as required by ISO/IEC 17065	ExCB	The results of the contract review shall be documented and recorded.
3	ExCB shall only proceed where the contract review has been successfully completed.		ExCB	

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
3a	Where unsuccessful, ExCB shall communicate in writing to the applicant with the applicant free to amend their application or select another ExCB, when the ExCB's scope of IECEx acceptance does not cover the application.		ExCB	
3b	Where successful, ExCB shall provide in writing to the applicant an offer describing the scope of work involved, the applicable technical and IECEx System requirements, testing and certification costs and time until issuing the ExTR and/or CoC, provided all tests passed satisfactorily.		ExCB receiving the application	
4	An ExTR(s) covering the product(s) that are to be listed on the CoC must exist and be in the possession of the ExCB. Where an ExTR does not exist, then the process of Section 2 of this publication shall be followed. When completed the IECEx CoC application process may proceed according to this Section 1.			A single ExTR may only cover partial assessment testing therefore it may not be uncommon for a single CoC to make reference to more than one ExTR.
5	A valid (with respect to the "Valid until:" date) IECEx QAR summary, covering the product(s)/technology (for example, types of protection and where necessary Ex performance related standards) and the manufacturing locations that are to be listed on the CoC, must exist with at least the QAR summary being in the possession of the ExCB. Where a QAR does not exist or does not cover either the Ex protection technique nor any of the manufacturing locations, then the process of Section 3 of this publication shall be followed. When completed the IECEx CoC application process may proceed according to this Section 1.			It is not intended that an assessment covered by a QAR is repeated by a receiving ExCB.
6	The ExCB to whom the application for an IECEx certificate of conformity was made shall conduct a certification review, in accordance with ISO/IEC 17065 and their quality management system, ensuring among others - ExTR(s) relate to the same product(s) listed on the certificate - Any major non-conformances have been successfully closed	IECEx 02 ISO/IEC 80079-34 IECEx OD 025 IECEx OD 026	ExCB	ISO/IEC 80079-34 ISO/IEC 17065

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	• All stages of the certification process have been documented and followed, including those contained in this manual • The ExCB has a signed commitment by the applicant to abide by the rules of the IECEx scheme and ExCB's certification conditions • The applicant and the manufacturer, if different from the applicant, are aware of their obligations under the scheme, including ensuring that any promotional material does not contain misleading information that may infer products NOT covered by IECEx certification and also ensuring that the person(s) conducting this review of the ExTR have NOT been involved in evaluation work for this particular certification project. The ExCB shall review the manufacturer's QAR summary report <u>and QAR summary report(s) of all manufacturing locations and production site(s)</u>, ensuring that a) type of protection b) applicable Ex performance standards c) product type d) manufacturing location/production site e) validity date f) issuing ExCB still competent/approved of the product to be certified are covered and valid.			
7	Where Step 6 is not successful then the matter may be referred to the ExCB responsible for the ExTR summary and QAR summary. Once matters are resolved then the process may continue according to this Section 1			

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
8	IECEx certificate of conformity shall be compiled using the IECEx On-Line Certificate System via the password protected system. IECEx OD 011- 2 provides step by step guidance on creating a CoC via the On-Line Certificate System.	IECEx OD 011-2	The person authorized to issue IECEx certificates of conformity within the ExCB to whom the original application was made	IECEx OD 011-2 provides a detailed step by step guide to creating IECEx On-Line CoCs. Contact the IECEx Secretariat for any questions or concerns.
9+10	A draft of the IECEx certificate of conformity is to be reviewed for errors. It may be beneficial to pass a draft copy to the applicant for them to assist in the final review prior to issuing the certificate. Every attempt shall be made to correct errors prior to issuing the certificate	Original application form submitted by the applicant.	The person authorized to issue IECEx certificates of conformity within the ExCB to whom the original application was made The applicant should also be given the opportunity to review	Contact the IECEx Secretariat for any questions or concerns.

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
10a	Where questions are raised during the final certification review these need to be raised with the relevant ExTL and or ExCB personnel and resolved prior to issuing the certificate.	ExCB and ExTL internal procedures	ExCB staff conducting certification review	
11	Once the certificate is considered correct, a certification review record shall be created, signed and dated. The IECEx certificate is issued by setting status = “Current” on the IECEx On-Line Certificate System when logged in with the Level 2 username and passwords allocated by the IECEx Secretariat (refer to IECEx OD 011-2 for details). This will be regarded as making the certification decision as defined by ISO/IEC 17065. The applicant being informed in writing by the ExCB, via letter, fax or email.		The person authorized to issue IECEx certificates of conformity within the ExCB to whom the original application was made (noting that an ExCB may establish procedures that permit a deputy to sign in the absence of the “authorized person”	Contact the IECEx Secretariat for any questions or concerns. NOTE There is a period of two weeks within which changes to an issued certificate can be made by the ExCB. After this period, please contact the IECEx Secretariat to arrange for corrections.
12	Certification maintenance begins, with the ExCB issuing the IECEx certificate of conformity being responsible for the ongoing maintenance of the certificate which shall include the following items:	IECEX 02 IECEX OD 025 ExCB's own quality	Management of the ExCB that issued the IECEx certificate of	Contact the IECEx Secretariat for any questions or concerns.

Step	Section 1 – Procedures for the issuing of an IECEx certificate of conformity under the equipment certification programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	• Conducting of surveillance assessments/audits is covered by the QAR process. • Responding to public inquiries regarding the certificate • Taking necessary action when aware of possible breaches by the applicant, for example, claims that product that is not listed on an IECEx certificate of conformity is being claimed as “IECEx Certified”	management system	conformity in coordination with the original ExCB	

SECTION 2 – Procedures for the issuing of an IECEX test and assessment report (ExTR)

This section is to be applied by ExCBs and ExTLs when processing new applications for:

- IECEX ExTR according to the IECEX 02 rules

These steps are in line with the requirements of ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*, in addition to the requirements as laid down in the IECEX scheme rules, IECEX 02.

This Section 2 also refers to Annex A for the criteria for use of previous test data.

2.1 Definitions

To be read in conjunction with Clause 8.1.1 and Section 8.2 of IECEX 02.

ExTR

Abbreviation of “IECEX test report”.

A document that provides “clause-by-clause” evidence of conformity of equipment with all relevant requirements of a particular standard and edition thereof.

ExTR package

An ExTR package comprises an ExTR cover sheet and one or more associated ExTR documents (which may include ExTRs, ExTR addendums and ExTR of national differences).

All ExTR package documents are compiled and reviewed by the ExTL and are then endorsed by an issuing ExCB on an ExTR cover sheet to indicate final approval of the overall ExTR package.

ExTR cover sheet

An ExTR cover sheet is the sole top-level document that shall be used by ExCBs to associate together all other parts of an IECEX test report (ExTR) package and shall be used for all IECEX ExTRs.

ExTR addendum

An ExTR addendum can be used to supplement an already issued Ex test report and is to be accompanied by a single ExTR cover sheet, which is to be approved by the ExCB following compilation and review by an ExTL. Only those clauses applicable to the supplemental issue being addressed are to be tabulated and remarked upon as part of this document. An ExTR report of national differences may also supplement this ExTR addendum.

ExTR of national differences

This type of document can be used to supplement an Ex test report or ExTR addendum, with a separate such document issued for each intended country/region. All national differences of the intended country/region are to be tabulated and remarked upon as part of this document. An Ex test report of national differences is compiled and reviewed by an ExTL.

ExTR of partial testing

An ExTR of partial testing provides a clause-by-clause documentation of the initial evaluation and testing that verified compliance of an item or product with only select requirements from an IEC Ex standard. This ExTR of partial testing can form part of an ExTR package that may include other Ex test report, addendum and national differences documents, along with a single ExTR cover sheet. An ExTR of partial testing is to be compiled and reviewed by the ExTL. The issuing ExCB indicates final approval of the ExTR of partial testing as part of the overall ExTR package on the associated ExTR cover sheet.

ExTR summary

An electronic document published on the IECEX On-line Certificate System to indicate that an ExTR has been endorsed by an ExCB and registered on the IECEX On-line Certificate System for the use in preparing IECEX certificates of conformity. This electronic document contains only a summary of some key elements of the ExTR.

ExTR blank report forms

Official templates prepared and maintained by IECEX working groups that shall be used by accepted IECEX certification bodies and Ex test laboratories to prepare ExTRs. These are available from www.iecex.com.

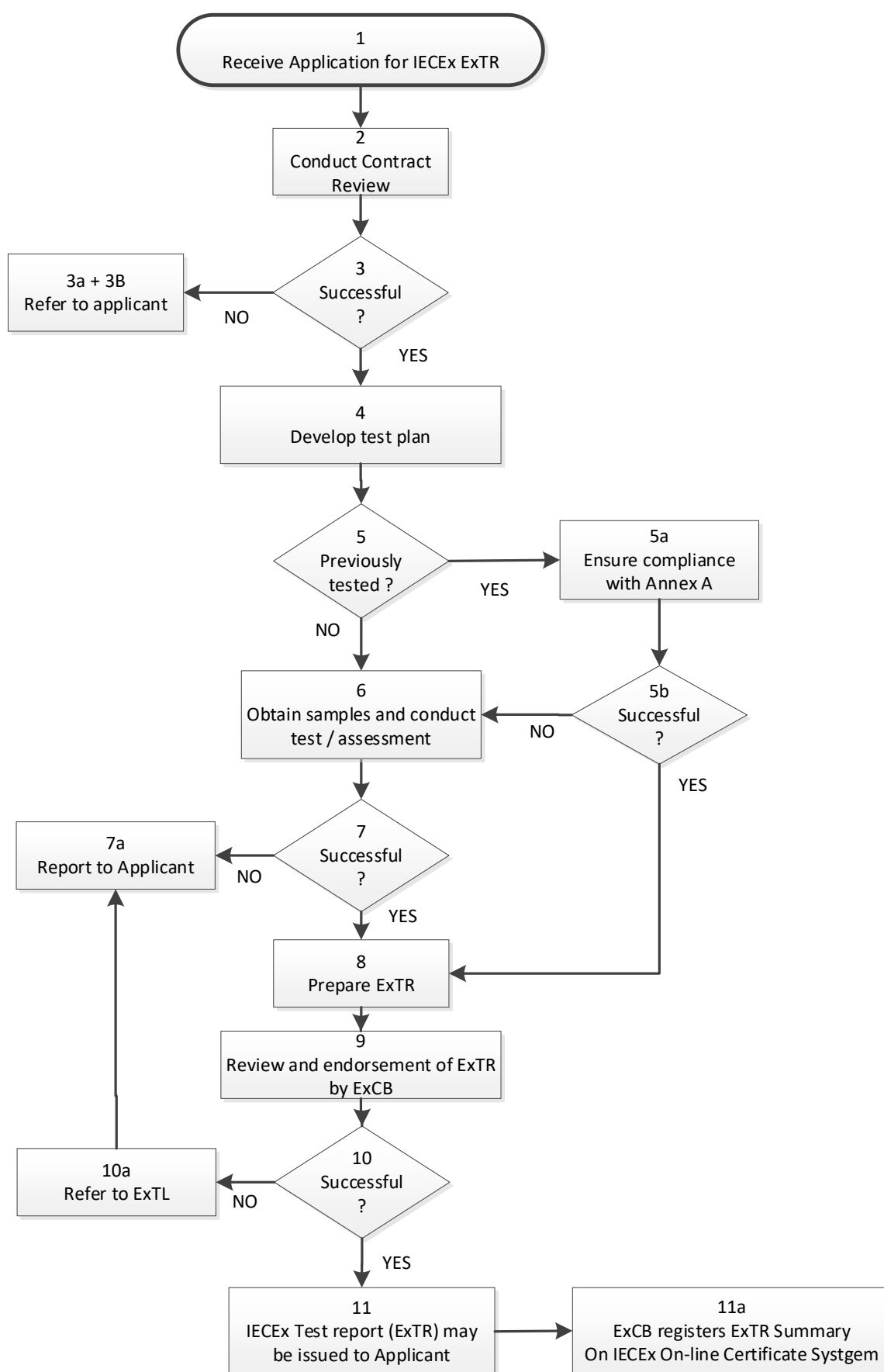


Figure 2 – Process for issuing an IECEX test and assessment report (ExTR)

Step	Section 2 – Procedures for the issuing of an IECEx test and assessment report (ExTR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
1	Application received in accordance with IECEx 02. The scope of testing and assessment covered by an ExTR can cover all or partial requirements of an international standard.	IECEx 02	ExCB	Applications for an IECEx ExTR can be made for an IEC or ISO International Standard.
2	Contract review to be conducted by the ExCB receiving the application, in accordance with the ExCB's own quality system and as required by ISO/IEC 17065. Contract review shall include: • A review to ensure that the application is within the scope of acceptance of the ExCB and associated ExTL • Whether a surcharge applies for manufacturers from non-member countries (Refer IECEx OD 019) • Estimation of costs and time to complete project • Agreement on method and system of payment by applicant, in accordance with ExCB's own policy and quality system	ExCB's own certification procedures as included in their quality system and required by ISO/IEC 17065	ExCB	The results of the contract review shall be documented and reported to the applicant.
3	ExCB shall only proceed where the contract review has been successfully completed.		ExCB	
3a	Where unsuccessful, ExCB shall communicate in writing to the applicant with the applicant free to amend their application or select another ExCB, when the ExCB's scope of IECEx acceptance does not cover the application.		ExCB	
3b	Where successful, ExCB shall provide in writing to the applicant an offer describing the scope of work involved, the applicable technical and IECEx System requirements and certification costs and time until issuing the ExTR and/or CoC, provided all tests passed satisfactorily.		ExCB receiving the application	
4	Develop test and assessment plan, especially where model ranges are involved in the application. The ExCB in conjunction with its associated ExTL need to be satisfied that		ExCB in conjunction with	A test plan is required for each application even where it is intended to

Step	Section 2 – Procedures for the issuing of an IECEx test and assessment report (ExTR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	samples selected for testing are representative of models covered by the application. The ExTL shall apply all relevant ExTAG decisions sheets, IECEx operational documents, relevant standards and corrigenda, amendments and ISHs that apply to the product or standard relevant to the application.		its associated ExTL	utilize previously obtained test data to ensure that the original test plan is still relevant for this new application.
5	Where products, components or systems are covered by the application, have been previously tested without ExTR being issued and the applicant wishes to utilize these tests then Steps 5a and 5b may be applied.	Annex A to this document	ExCB and ExTL	IECEX OD 010 may also be of assistance.
5a	A review of the previous test data shall include: • Determination whether the test requirements, methods and pass/fail criteria used previously are the same as those contained in the standard for which application is made • Facilities and methods previously used are still appropriate	Annex A to this document	ExTL	Note that it is still essential that an ExTR be completed and registered on the IECEx On-Line Certificate System even when using previously obtained test data.
5b	A file note is required to act as a record to demonstrate the outcome of the assessment to Annex A. Such file note shall be retained on the ExTL's records for possible review by an IECEx assessment team conducting surveillance or re-assessment of the ExTL.		ExTL	
6	Samples to be obtained by the ExTL and tests and assessments conducted as required by the standard. The requirements of both IECEx 02 and IECEx OD 010 shall be followed.	IECEX 02 IECEX OD 010	ExTL	NOTE The ExTL should check the list of ExTAG decision sheets to see if there are any that relate to the product under test.
7+7a	Where testing and assessments are unsuccessful, then such results and any non-conformances identified during the assessment shall be reported to the applicant, in writing,		ExTL but will need to consult with the ExCB for	

Step	Section 2 – Procedures for the issuing of an IECEx test and assessment report (ExTR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	requesting corrective action. Such action may include modification of the design and provide new samples for testing or amend their original application or withdrawing their application.		instances where the original application is amended.	
8a	The relevant IECEx test report (ExTR) blank report forms for the relevant standard(s) and edition(s) thereof shall be used to prepare an ExTR. An ExTR shall also be prepared by the ExTL when utilizing previously obtained test data. This may mean transferring information from a previously issued test report into the ExTR format. Each relevant part of the ExTR package shall be signed by the ExTL staff responsible for compiling and reviewing the ExTR.	IECEx standard ExTR blank forms available from the IECEx website	ExTL	NOTE ExTRs were previously called ATRs. Old ATR blanks can still be used while they are being updated to reflect the new terminology. ISO/IEC 17025
8b	The ExTR shall be reviewed by the ExTL in accordance with ISO/IEC 17025 before being sent to the ExCB for its review and endorsement. The ExTL person who reviews the ExTR shall be different to the ExTL person who is the compiler of the ExTR		ExTL	
9	ExTR shall be reviewed by the ExCB, in accordance with ISO/IEC 17065, prior to being issued by the ExCB, with whom the ExTL is associated. If successful, the responsible ExCB staff member shall sign as endorsing the ExTR package.		ExCB	
10+10a	Where the review by the ExCB is unsuccessful, this shall be referred to the ExTL for correction or may be referred back to the applicant for their action, similar to step 7 and 7a, depending on the nature of the problem detected during the ExCB's review.		ExCB The applicant should also be given the	When ExCBs and ExTLs are within the one organization, the ExTR review shall be conducted by a staff member not involved or responsible

Step	Section 2 – Procedures for the issuing of an IECEX test and assessment report (ExTR) under the certified equipment programme of the IECEX scheme – Description of activity	Related documents	By whom	Notes/Comments
			opportunity to review.	for the tests/ assessments.
11	The ExTR package may now be issued to the applicant or retained for duration of the IECEX CoC procedure. Where the manufacturer or the applicant is located in a non-member country, the ExCB shall, arrange for payment to the IECEX account of the surcharge, refer to IECEX OD 019, IECEX System fees.		ExCB	Where a valid ExTR already exists, this may be used for the purpose of issuing an IECEX CoC without the repeating the tests. ExTRs issued prior to the date of application for an IECEX CoC may only be used where it has been confirmed that the testing requirements are the same as those of the standard for which a CoC is to be issued and that the product has not included any change in design that may affect the Ex protection
11a	ExCB to register the ExTR via the creation of an ExTR summary on the IECEX On-Line Certificate System on the IECEX website: www.iecex.com. The On-Line Certificate System provides a reference source of key information that can be searched by manufacturer, ExTL, ExTR reference number, standards etc. This enables the future use of the ExTR for the purpose of issuing an IECEX certificate of conformity by linking it and the relevant QAR summary to the certificate. Refer to IECEX OD 011-1 and IECEX OD 011-2 for further information.	IECEX OD 011-2 IECEX website	ExCB	IECEX OD 011-2 provides a detailed step by step guide to registering an ExTR on the IECEX On-Line Certificate System. Contact the Secretariat for any assistance.

SECTION 3 – Procedures for the issuing of an IECEX quality assessment report (QAR)

This section is to be applied by ExCBs when processing new applications for:

- IECEX QAR according to the IECEX 02 Rules

These steps are in line with the requirements of ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*, in addition to the requirements as laid down in the IECEX scheme rules, IECEX 02.

This Section 3 also refers to Annex B for criteria concerning the use of quality system assessment and audit results obtained prior to the application for an IECEX certificate of conformity being lodged.

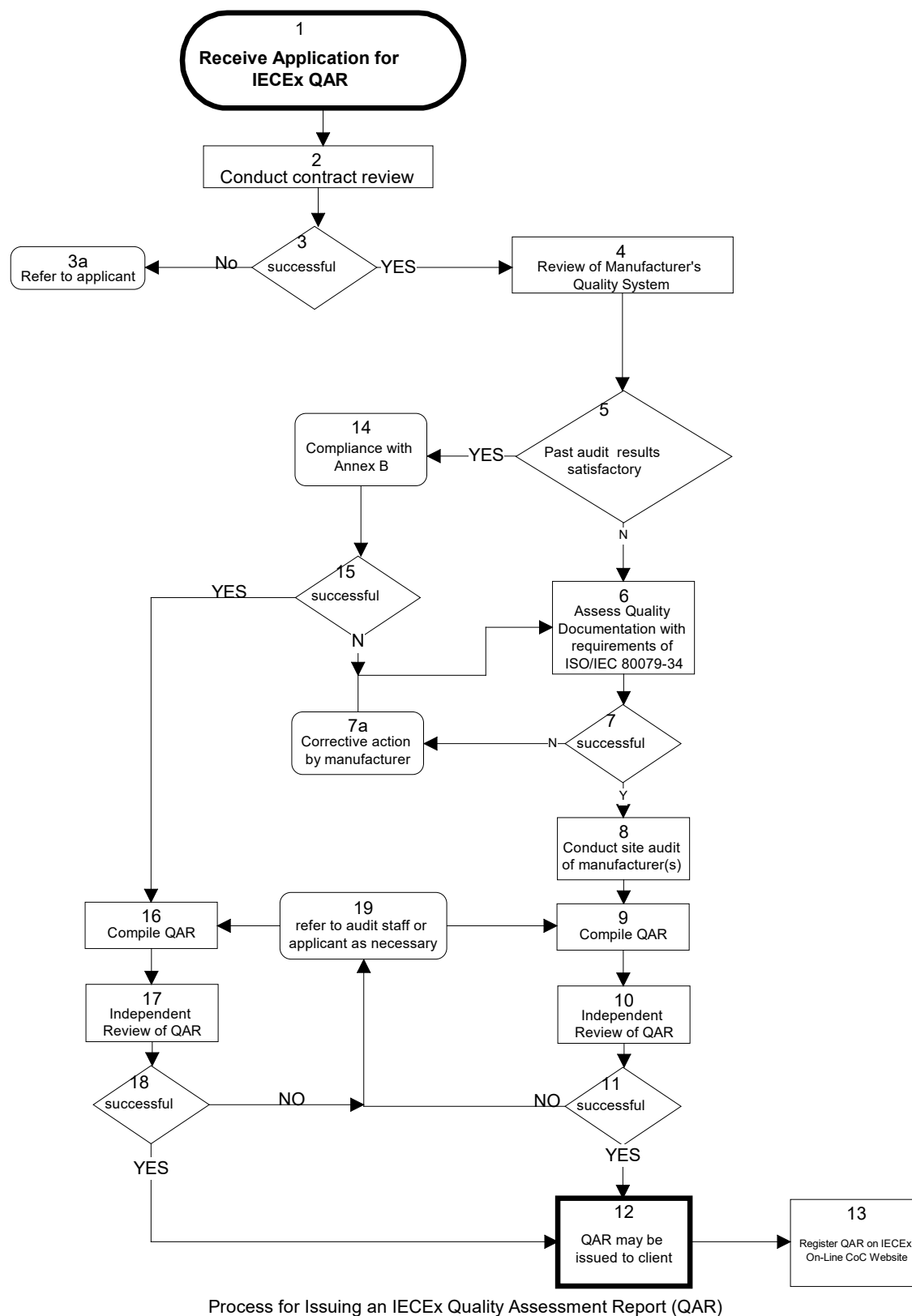


Figure 3 – Process for issuing an IECEx quality assessment report (QAR)

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
1	Application received in accordance with IECEx 02.	IECEx 02	ExCB	Applications for an IECEx certificate of conformity can only be made for an IEC or ISO International Standard.
2	Contract review to be conducted by the ExCB receiving the application, in accordance with the ExCB's own quality system and as required by ISO/IEC 17065. Contract review shall include: • A review to ensure that the application is within the scope of acceptance of the ExCB and associated ExTL • Whether the manufacturer has an established quality management system • Whether a surcharge applies for manufacturers from non-member countries (Refer to IECEx OD 019) • Estimation of costs and time to complete project • Determination of any special requirements, for example, travel for site audit etc. • Agreement on method and system of payment by applicant, in accordance with ExCB's own policy and quality system	ExCB's own certification procedures as included in their quality system and ISO/IEC 17065	ExCB	The results of the contract review shall be documented and recorded.
3	ExCB shall only proceed where the contract review has been successfully completed.		ExCB	
3a	Where unsuccessful, ExCB shall communicate in writing to the applicant with the applicant free to amend their application or select another ExCB, when the ExCB's scope of IECEx acceptance does not cover the application.		ExCB	

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
4	The ExCB must review the manufacturer's quality management system to ensure compliance with ISO/IEC 80079-34 by either: 1) Conduct a site audit of the manufacturing location(s); or 2) For manufacturers previously audited, conduct a document review of past audits and other documentation to cover new products, review the QAR summary report @ www.iecex.com to ensure, that the product type, type of protection and manufacturing locations and all IECEx CoCs are covered by a valid QAR. Situation 2) above takes into account where the manufacturer has been previously audited for the purposes of a previous IECEx application. When conducting a review according to situation 2) above, the ExCB receiving the application must consider at least the following: • The scope and product types covered by the previous audit • The time since the previous audits and where more than one year ago should consider that a new audit may be required • The results of the past audits • Any changes in management, manufacturing etc since the last audit	IECEx OD 025 ISO/IEC 80079-34	ExCB	
5	Where an audit of the manufacturer has taken place by the ExCB for a related programme and within the last 18 months, such results may be used where the applicant wishes to do so. To rely on past audits, for new applications, it is necessary to demonstrate that the production of equipment, to be covered by new certificates, was included as part of the previous audit.	Refer Annex B	ExCB	

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
6	Assessment of the manufacturer's quality management system procedures that relate to the manufacture of Ex products to be covered by new IECEx certificates of conformity. Generally, this will relate to the detailed product quality plans. The assessment shall ensure that all requirements contained in ISO/IEC 80079-34, as they relate to the product, are adequately addressed by the manufacturer's quality system procedures and work instructions. This step may also be termed the "Documentation Review".	ISO/IEC 80079-34 IECEx OD 025 IECEx OD 026	ExCB or by another ExCB working under direction by the ExCB to which the original application was made.	The document review may be conducted prior to the on-site audit, at the ExCB premises or on-site at the manufacturers premises as part of the on-site audit. Where different manufacturing sites are involved the ExCB should satisfy itself that the same quality plans are used. If not, then each manufacturing location must be treated separately with separate assessments and site audits for each location.
7+7a	Relevant manufacturer's quality system documentation is to be reviewed to verify that documentation complies with the requirements of ISO/IEC 80079-34. Where serious deficiencies in the manufacturer's documented quality plans may give rise to non-complying product being produced, these shall be raised by the ExCB as major non-conformances and the applicant and manufacturer are required to take action to correct this situation (usually by the introduction or amendment of quality plans), prior to proceeding with the issue of an IECEx certificate of conformity.	ISO/IEC 80079-34 IECEx OD 025 IECEx OD 026	ExCB or by another ExCB working under direction by the ExCB to which the original application was made, for manufacturers located in	IECEx OD 025 includes a checklist of ISO/IEC 80079-34 documentation requirements.

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	Where non-compliance with various clauses of ISO/IEC 80079-34 are determined to be of a minor nature by the ExCB, the process of on-site auditing may continue.		different countries.	
8	The ExCB conducts on-site audit. This on-site audit shall seek to verify that relevant quality system procedures and work instructions are in place and that there are records and evidence to demonstrate that the requirements of ISO/IEC 80079-34 are being satisfied by the manufacturer(s). IECEx OD 025 provides guidance in the management of assessments of manufacture's quality system and shall be used by all ExCBs. IECEx OD 026 provides guidelines for the qualification of ExCB auditors conducting IECEx audits. IECEx F-001 and IECEx F-002 are IECEx QAR forms and nonconformity report forms respectively, available from the IECEx website @ www.iecex.com/publications/iecex-forms/forms-f-xxx.	ISO/IEC 80079-34 IECEx OD 025 IECEx OD 026 IECEx F-001 IECEx F-002	ExCB, for manufacturers located in different countries	Where the Ex product is manufactured in different locations, especially different countries each location shall be audited.
9	A quality assessment report (QAR) of the assessment/audit of the manufacture's quality system, including site audit, shall be compiled by the ExCB. Where serious deficiencies in the manufacturer's documented quality plans may give rise to non-complying product being produced, these shall be raised by the ExCB as major non-conformances and the applicant and manufacturer are required to take action to correct this situation (usually by the introduction or amendment of quality plans), prior to proceeding with the issue of an IECEx certificate of conformity.	ISO/IEC 80079-34 IECEx OD 025 IECEx F-001 IECEx F-002	ExCB conducting the audit/assessment	Generally, this will be the ExCB to whom the application has been made but may be compiled by another ExCB requested to conduct the audit.

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	Where non-compliance with various clauses of ISO/IEC 80079-34 are judged to be of a minor nature by the ExCB, the process may continue.			
10	An independent review of the QAR shall be conducted within the ExCB to whom the original application was made. The independent review shall be conducted by a staff member of the ExCB that is not responsible for the audit.	In accordance with the ExCB's own quality management system		This independent review is to ensure that a complete assessment and audit has taken place and that the recommendations are in line with the audit findings and any NCRs and related corrective actions.
11	The ExCB to which the application for an IECEx CoC or QAR has been made shall determine that the QAR is complete and complies with the following: • IECEx rules and procedures • ExCBs own quality management system • All non-conformance reports (NCRs) provide a clear description of their nature • Shows a clear relationship to the products covered by the ExTR(s), which are the subject of the IECEx Certificate of Conformity, where part of the original application Where discrepancies are identified they shall be immediately raised within the ExCB and a further review of steps 14 – 17 are conducted by the ExCB to confirm all details remain relevant. The applicant and or IECEx Secretary may need to be informed where errors or discrepancies are of a major nature,	ISO/IEC 80079-34 IECEx OD 025 ExCB's own quality management system	Final decision being taken by the ExCB to which the original application has been made	The review should also ensure that the principles and guidelines of IECEx OD 025 have been followed.

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
	e.g. incorrect audit personnel conducting the audit or insufficient audit depth revealed.			
12	The final quality assessment report (QAR) shall be issued, by the ExCB to whom the original application was made, to the applicant and a copy retained on the ExCB file.	IECEX F-001	ExCB to whom the original application was made	IECEX F-001 provides the QAR report format while IECEx F-002 provides the format for non-conformance reports.
13	ExCB to register the QAR on the IECEx On-Line Certificate System on the IECEx website @ www.iecex.com by creating a QAR summary report which is an electronic document that summarizes some key elements of information from the QAR. The publishing of a QAR summary report on the On-Line Certificate System creates a reference source for key information such as: • Manufacturer and sites audited • ExCB performing the site audit • Protection techniques • Ex performance related standards • Product type • Related CoCs • Other This enables the future use of the QAR for the purpose of issuing an IECEx certificate of conformity, through a linked database with IECEx CoCs and QARs. Refer to IECEx OD 011-1 and IECEx OD 011-2 for further information.	IECEX OD 011-2 IECEX Website	ExCB	IECEX OD 011-2 provides a detailed step by step guide to registering a QAR on the IECEx On-Line Certificate System by creating a QAR summary report. Contact the IECEx Secretariat for any assistance.

Step	Section 3 – Procedures for the issuing of an IECEx quality assessment report (QAR) under the certified equipment programme of the IECEx scheme – Description of activity	Related documents	By whom	Notes/Comments
14+15	The ExCB shall review past audit/assessment results for compliance with Annex B.			
16	Where the past audit/assessment results are acceptable, the ExCB shall compile an IECEx QAR.	IECEX F-001		
17+18	The independent review of Step 10 shall be conducted by a staff member of the ExCB that has not undertaken the quality assessment.			
19	Where this review is successful then the procedures according to step 16 or 9, as appropriate, shall be conducted by the ExCB issuing the QAR.	ExCB's internal procedures	ExCB staff	

SECTION 4 – Surveillance audits – Procedures for maintaining an IECEx certificate of conformity

This section is to be applied by ExCBs to ensure that IECEx certificates of conformity, issued under the IECEx equipment certification programme of the IECEx scheme remain valid, through surveillance audits according to IECEx 02.

These steps are in line with the requirements of ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*, in addition to the requirements as laid down in the IECEx scheme rules, IECEx 02.

In addition, they follow the general concepts of ISO/IEC TR 17026, *Conformity assessment - Example of a certification scheme for tangible products*.

Once an ExCB has issued an IECEx CoC they are responsible to ensure that surveillance assessment visits to the manufacturing location(s) are conducted in accordance with IECEx OD 025, either

- By conducting the surveillance visits
- Confirming that surveillance visits have been conducted by another ExCB, by confirming the details on the IECEx QAR registration area of the IECEx CoC website

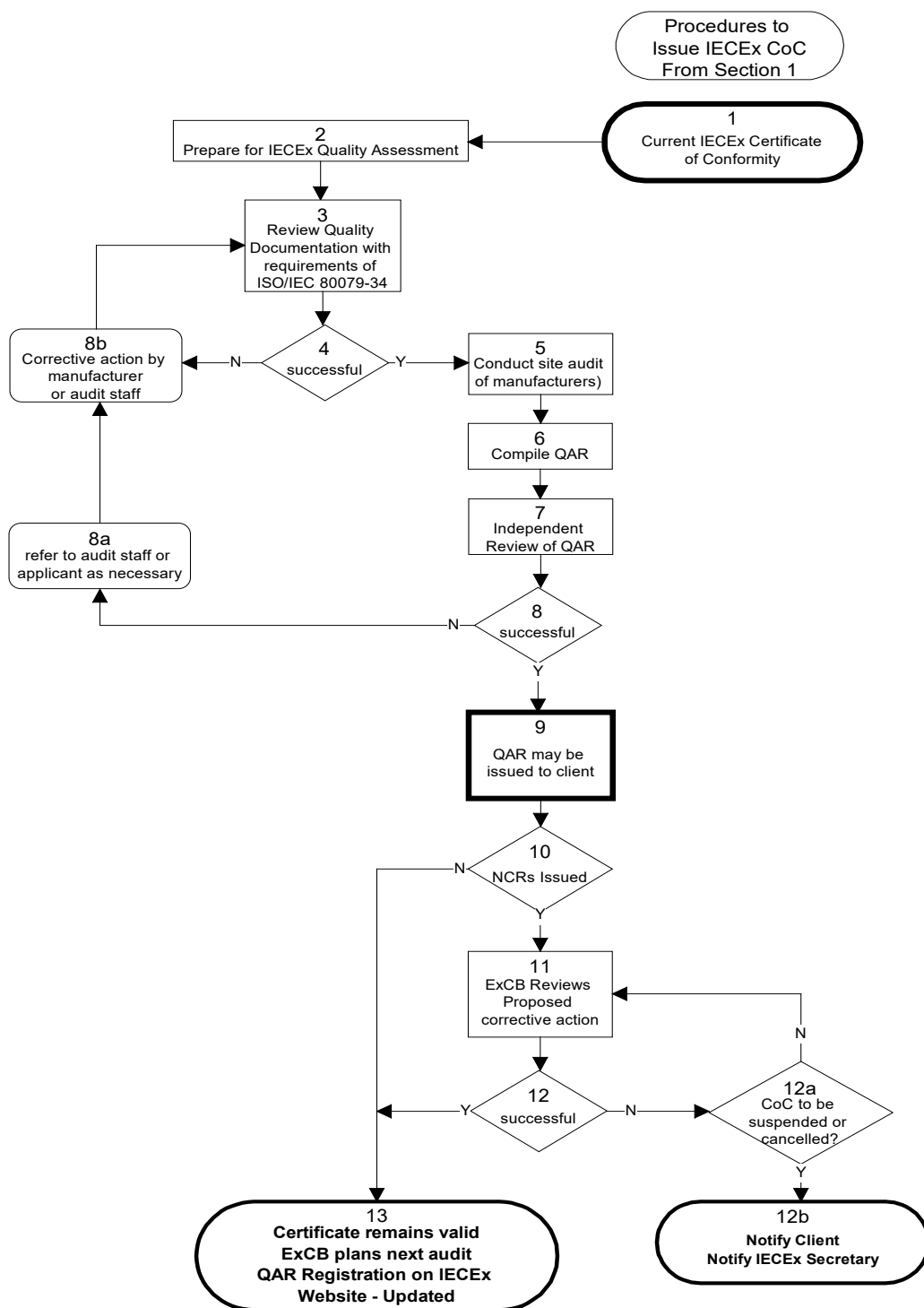
IECEX CoC holders may choose to use the ExCB that issued the IECEx CoC or another ExCB (with the Ex technique within their IECEx scope) to conduct the surveillance assessment visits.

While this section provides guidance to ExCBs when arranging for surveillance audits of manufacturers by the QAR issuing ExCB, there may be times where possible non-compliance of Ex products, covered by an IECEx certificate of conformity, are suspected not to be in compliance with the international standard nominated on the IECEx certificate of conformity. ExCBs have the responsibility to act when this is a likelihood or where IECEx certificates of conformity, issued by them, are being misused or misrepresented.

Such action may include conducting unscheduled visits of the manufacturer, “check testing” of samples for serious cases, or even noting such instances on the ExCBs files for raising at the next surveillance audit.

Where a certificate holder wishes to transfer their surveillance audits to another ExCB, the requirements of IECEx OD 250 apply.

At any time during the maintenance of an IECEx certificate of conformity, the IECEx Secretariat, officers and management committee (ExMC) are available to provide assistance with the understanding of the process and expectation of outcomes of such surveillance activity.



IECEX Surveillance Operations - Overview

Figure 4 – Surveillance operations – Overview

Step	Section 4- Surveillance audits - Procedures for maintaining an IECEx certificate of conformity - Description of activity	Related Documents	By Whom	Notes/Comments
1	IECEX certificate of conformity verified as valid by the ExCB that issued the IECEx CoC (ExCB #1) and confirms details on IECEx certificate website are current and correct, for example, manufacturing location(s), product identifier, etc. In principle, the procedures detailed in Section 3 apply when conducting surveillance audits of manufacturers with those detailed in Section 4, providing additional information.	IECEX 02 IECEX CoC	ExCB that issued the IECEx CoC (ExCB #1)	
2	ExCB that issued the IECEx CoC (ExCB #1) shall verify that a surveillance audit has been conducted or shall arrange to conduct the surveillance audit. Where the previously issued QAR, which is linked to the IECEx CoC, was issued by another ExCB (ExCB #2 as an alternative ExCB that issues a supporting QAR summary), then ExCB #1 shall verify that a surveillance audit has been conducted or shall request that the other ExCB conducts a surveillance audit. As an alternative, the holder of the IECEx CoC may arrange for another ExCB (ExCB #2 as an alternative ExCB that issues a supporting QAR summary) to conduct the surveillance audit by informing the ExCB that issued the IECEx CoC (ExCB #1), providing that the scope of the alternative ExCB matches the scope of the IECEx CoC. In such cases changing to another ExCB for the purposes of surveillance audits require the issue of a new QAR and a supplementary (new issue) of the IECEx CoC by the ExCB that issued the original IECEx CoC (ExCB #1), showing the change in ExCB conducting the surveillance audit as the reason for the new issue of the IECEx CoC. In such instances the new ExCB (ExCB#2) conducting the surveillance visit shall treat the “transfer” as a new/initial assessment. This ensures full traceability of the system.	ExCB's own quality system IECEX OD 025 IECEX F-001	ExCB that issued the IECEx CoC (ExCB #1)	

Step	Section 4- Surveillance audits - Procedures for maintaining an IECEx certificate of conformity - Description of activity	Related Documents	By Whom	Notes/Comments
3	Review of the manufacturer's quality documentation to ensure that any changes since the last audit complies with the requirements of ISO/IEC 80079-34. This review of documentation may take place either prior to the site visit or as part of the site visit and audit of the manufacturer's premises.	ISO/IEC 80079-34 IECEX OD 025	ExCB conducting the audit (which may be ExCB #1 or ExCB #2)	In most cases it is more productive to conduct this document review at the manufacturer's premises as part of the on-site audit.
4+8a 4+8b	Where the document review reveals non-compliance with the requirements of ISO/IEC 80079-34, the ExCB shall determine whether the non-conformance is such that they need correction prior to continuing with the site audit. Corrective action by the manufacturer or audit staff shall be documented.	ISO/IEC 80079-34 IECEX OD 025	ExCB conducting the audit	
5	Following the document review, the ExCB shall carry out the site audit in accordance with IECEx OD 025.	IECEX OD 025 ISO/IEC 80079-34	ExCB conducting the audit	
6	A quality assessment report, QAR shall be completed by the ExCB conducting the audit.	IECEX OD 025 IECEX F-001	ExCB conducting the audit	IECEX F-002 provides a format for issuing NCRs.
7	Prior to issuing and registering the QAR summary on the IECEx On-line Certificate System the ExCB shall conduct an internal independent review of the prepared QAR using a person not involved in the assessment. This review shall verify at least the following items: • That a complete audit as planned had been conducted • Necessary documentation and records available • Confirmation that the auditor/team was appropriate	IECEX OD 025 ISO/IEC 80079-34 IECEX 02	ExCB that issues the IECEx QAR summary	
8, 8a, 8b	Where the review of the QAR reveals that the audit was incomplete, not conducted in accordance with IECEx OD 025 or contains errors, the matter is to be raised with the audit staff and applicant listed on the IECEx certificate of conformity, as appropriate.	IECEX OD 025 IECEX 02 ISO/IEC 80079-34	ExCB conducting the audit	Where a subsequent audit is required due to errors on the part of the ExCB, such audits may need to be conducted

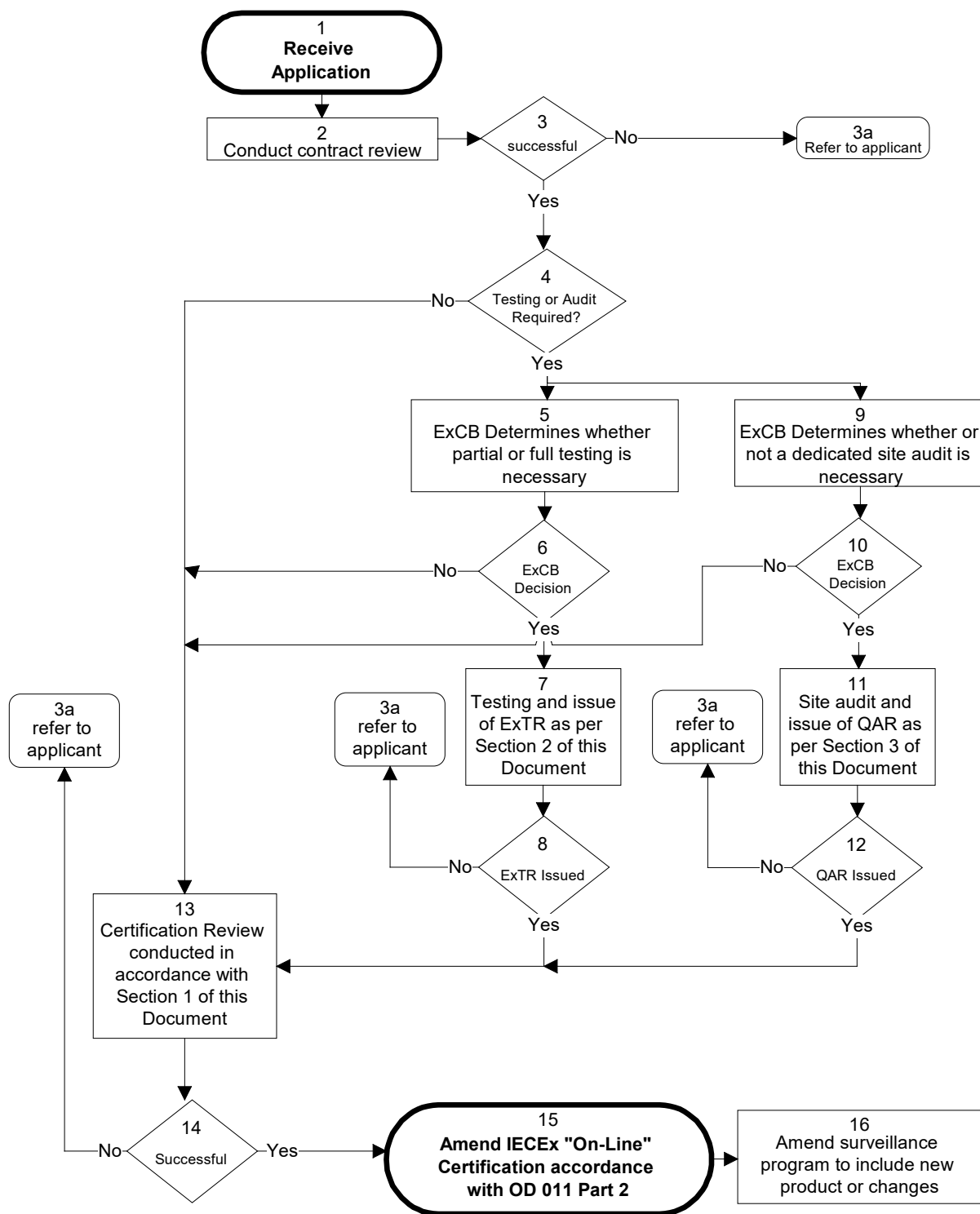
Step	Section 4- Surveillance audits - Procedures for maintaining an IECEx certificate of conformity - Description of activity	Related Documents	By Whom	Notes/Comments
	The purpose of the QAR review is for the ExCB to be assured that they have sufficient objective evidence that the manufacturer's quality system and associated quality plans enable Ex products (as listed on the IECEx CoC) to be produced in compliance with the international standards listed on the IECEx CoC. This review may require a revised QAR to be issued or even a subsequent audit of the manufacturer where it is identified that the audit was incomplete, or insufficient or unqualified auditor(s) were used.			At the ExCB's own expense.
9	QAR may be issued to the applicant listed on the IECEx CoCs.	IECEX OD 025	ExCB conducting the audit	
10, 11, 12	The ExCB conducting the audit shall review proposed corrective actions relating to non-conformance reports (NCRs) in terms of: • The time to implement such action is appropriate • Whether a follow up audit is necessary or can verification be handled at the next scheduled surveillance audit It should be noted that where <u>major</u> NCRs are raised, consideration must be given to the risk of non-compliant product being released to the market. In the situation of a <u>major</u> NCR being raised, the ExCB responsible for audit and the original QAR shall advise (for information purposes only at this stage) any other ExCBs that have issued affected CoCs based on the relevant QARs of the fact that a <u>major</u> NCR has been raised so that they may take further decisions on the status of the affected CoCs. ExCBs with issued CoCs linked to a QAR related to a major NCR audit outcome shall take appropriate action (for example, edit the QAR to insert a note to indicate that the	ISO/IEC 80079-34 IECEx OD 025 IECEx OD 209 IECEx OD 011 series	ExCB conducting the audit ExCB responsible for the QAR + ExCB responsible for issuing the CoC	Contact the IECEx Secretariat for any questions or concerns. IECEX OD 209 provides guidance on the process of suspending and cancelling IECEx CoCs. Contact the IECEx Secretariat for any questions or concerns.

Step	Section 4- Surveillance audits - Procedures for maintaining an IECEx certificate of conformity - Description of activity	Related Documents	By Whom	Notes/Comments
	negative issue does not affect the CoC or to take action according to Steps 12a and 12b following.			
12a+12b	The ExCB that issued the IECEx CoC (ExCB #1) will need to determine whether the IECEx CoC needs to be suspended or cancelled. Given the seriousness of the situation, prompt action by the ExCB is required. This includes notifying the applicant listed on the IECEx CoC in writing and the IECEx Secretariat requesting that the IECEx CoC be suspended or withdrawn.	IECEx OD 025 Clause 6.8.1 IECEx OD 209	ExCB that issued the IECEx CoC (ExCB #1)	Contact the IECEx Secretariat for any questions or concerns. IECEx OD 209 provides guidance on the process of suspending and cancelling IECEx CoCs. Contact the IECEx Secretariat for any questions or concerns.
13	Where ExCB conducting the assessment is satisfied that a full and complete surveillance assessment/audit has been completed demonstrating compliance with the requirements of ISO/IEC 80079-34 and IECEx OD 025, the ExCB that issued the IECEx CoC (ExCB #1) shall confirm that the details as listed on the IECEx website are accurate and up to date. The ExCB that issues and registers the QAR summary on the IECEx On-line Certificate System shall up-date the QAR registration on the IECEx website. IECEx OD 011-2 provides detailed guidance for registering surveillance audits on the IECEx On-Line Certificate System. The ExCB that issued and registered the QAR summary on the IECEx On-line Certificate System shall then schedule the next surveillance audit visit, in accordance with OD 025.	IECEx 02 IECEx OD 025 IECEx OD 011-2	ExCB conducting the audit	Contact the IECEx Secretariat for any questions or concerns. Only QARs that indicate compliance with IECEx requirements, even if minor NCRs are issued, shall be registered on the IECEx website. QARs that show Major or significant problems shall NOT be registered on the IECEx website.

SECTION 5 – Procedures for the processing of changes to issued IECEX certificates of conformity

This section is to be applied by ExCBs when processing applications for changes to IECEX certificates of conformity.

These steps are in line with the requirements of ISO/IEC 17065, *Conformity assessment - Requirements for bodies certifying products, processes and services*, in addition to the requirements as laid down in the IECEX scheme rules, IECEX 02.



Process for dealing with changes to IECEx Certification - Overview

Figure 5 – Process for dealing with changes to IECEx certification – Overview

Step	Section 5 – Procedures for assessing applications for changes to IECEX certificates of conformity – Description of activity	Related documents	By whom	Notes/Comments
1	Manufacturer lodges an application for changes to the ExCB responsible for issuing the IECEX certificate.	IECEX 02	IECEX certificate holder	
2	ExCB that issued the IECEX certificate shall conduct a contract review to determine, among others, that: • The application is within the scope of the IECEX scheme • All necessary information has been provided by the applicant • The requested changes, are within the area of operation of the ExCB, for example, scope of ExCB acceptance • Whether the requested changes should be treated as a new certificate, in consultation with the manufacturer	ExCB's own quality system and IECEX 02	ExCB that issued the IECEX certificate	For technical changes that incorporate a significant change to the product, the ExCB may determine that this be best dealt with by a new certificate. Both manufacturer and ExCB may consult with the IECEX Secretariat.
3	The ExCB shall inform the applicant of the results and shall record the contract review outcomes within their documented record system. Where unsuccessful, the ExCB shall immediately inform the applicant in writing.	IECEX 02 IECEX OD 025	ExCB receiving the application	
3a	Where the results of any of the stages are unfavourable to the application, the ExCB must immediately inform such outcome to the applicant who shall decide on whether to proceed by way of correcting any non-conformance or to amend or even withdraw their application. It is expected that in such situations the ExCB should work with the applicant in the interests of maintaining good customer relations.	ExCB and applicant		Where a dispute arises between the ExCB and applicant, the applicant must use the ExCB's internal appeals process before seeking to use the IECEX appeals procedure.
4	The ExCB receiving the application for change shall determine whether the requested change is of a technical nature or administrative. Examples of administrative changes may be:	ExCB's own quality procedures	ExCB	

Step	Section 5 – Procedures for assessing applications for changes to IECEx certificates of conformity – Description of activity	Related documents	By whom	Notes/Comments
	- Change to product identification - Change of company name, with no change to systems or personnel - Model redesignation Even for administrative changes identified above the ExCB shall satisfy itself that changes of company name and ownership and the like ensure that previous controls over production are maintained. This may require the submission of documentation to the ExCB. The addition of another manufacturing location or change thereof is regarded as a technical change and requires an audit of that additional site.			
5	The ExCB shall in consultation with the ExTL determine the level of testing of samples required (in the case of a technical change) where the changes are of a technical nature. The ExCB shall review this situation in light of Section 1 of this operational document.	Section 1 of this publication IECEX OD 010	ExCB	
6	The decision by the ExCB and its ExTL on the level of testing or omission of such testing shall be documented and recorded within the ExCB's and the ExTL's job files including the reason why any testing or evaluation may have been omitted.	ExCB's own quality documentation	ExCB and its associated ExTL	
7	On satisfactory completion of testing an ExTR shall be prepared and issued. This ExTR may be issued as an annex to an existing ExTR.	Section 2 of this publication IECEX OD 010	ExCB and its associated ExTL	
8	The ExTR shall only be issued where all requirements have successfully met. Where this is not the case the ExCB or its associated ExTL shall notify the applicant as per step 3a.	IECEX OD 011-2 Section 2 of this publication	ExCB or its associated ExTL	

Step	Section 5 – Procedures for assessing applications for changes to IECEX certificates of conformity – Description of activity	Related documents	By whom	Notes/Comments
	The issuing of an ExTR shall only be considered complete once it has been registered on the IECEX website.			
9	The ExCB shall determine whether or not a dedicated site audit or visit is necessary and the scope of such audit. The ExCB shall review this situation in light of Section 3 of this operational document.	Section 3 of this publication IECEX OD 025	ExCB	
10	The decision by the ExCB whether or not a dedicated site audit or visit is necessary shall be documented and recorded within the ExCB's job files including the reasons why or why not. Refer to step 9 for guidance.	Section 3 of this publication IECEX OD 025	ExCB	Contact the IECEX Secretariat for any questions or concerns.
11	If a site visit is necessary, a QAR shall be prepared and issued according to Section 3, upon completion.	Section 3 of this publication IECEX OD 025	ExCB	
12	The QAR shall only be issued where all requirements have successfully met. Where this is not the case the ExCB shall notify the applicant as per step 3a. The issuing of a QAR is only considered complete once it is registered on the IECEX website.	IECEX OD 011-2	ExCB that issued the QAR	
13	The ExCB responsible for issuing the original IECEX certificate shall be responsible for conducting a final certification review in accordance with Section 1 of this OD and their own quality management system, ensuring among others that: • ExTR and QAR relate to the same product(s) • Any major non-conformances have been successfully closed • All stages of the certification process have been documented and followed, including those contained in this manual	ExCB's own quality system procedures Section 1 of this publication	ExCB that issued the original IECEX certificate	The certification review step is required even where the application change is of an administrative nature.

Step	Section 5 – Procedures for assessing applications for changes to IECEX certificates of conformity – Description of activity	Related documents	By whom	Notes/Comments
	- The ExCB have a signed commitment by the applicant to abide by the rules of the IECEX scheme and ExCB's certification conditions, e.g. agreement to have the ExCB undertake or arrange for surveillance audits - The applicant is aware of his/her obligations under the scheme, including ensuring that any promotional material does not contain misleading information that may infer products NOT covered by IECEX certification are certified			
14	The process to issue a new issue (change to existing CoC), known as Issue 1 or higher, shall only proceed where all requirements have been successfully met. Where this is not the case the ExCB shall notify the applicant as per step 3a.		ExCB that issued the original IECEX certificate	Note that the first time a certificate is issued is identified as Issue 0, otherwise known as original issue. Any revisions to that original CoC are known as Issue 1 or higher.
15	IECEX certificate of conformity shall be compiled using the IECEX On-Line System via the password protected system. A draft of the IECEX certificate of conformity is to be reviewed for errors. It may be beneficial to pass a draft copy to the applicant for them to assist in the final review prior to issuing the certificate. Every attempt shall be made to correct errors prior to issuing the certificate.	Section 1 of this publication IECEX OD 011-2	ExCB that issued the original IECEX certificate The applicant should also be given the opportunity to review	
16	The ExCB shall review their surveillance programme to ensure that the programme covers any changes resulting from the new issues of the certificate, for example, the addition of new manufacturing locations for future surveillance visits.		ExCB that issues the IECEX certificate	

Annex A

Acceptance of test/assessment data obtained prior to the application for an IECEx test report or IECEx certificate of conformity

A.1 Introduction

This annex sets out the conditions upon which test or assessment data, obtained prior to the ExCB receiving an application for an IECEx test report (ExTR) or IECEx certificate of conformity (CoC), may be accepted.

A.2 Acceptable use

A.2.1 Acceptance of test data obtained prior to the acceptance of an ExTL by the IECEx management committee

ExTLs may use test or assessment data obtained prior to the ExTL's acceptance into the IECEx scheme only when ALL of the following criteria have been met, noting that ExCBs receiving ExTRs, may refuse to accept such results where the tests were conducted more than three years prior to the acceptance of the ExTL:

- a) Data from tests/assessments are not from such test facilities, equipment or processes that were the subject of a major non-compliance raised at the time of the IECEx assessment, such that corrective action by way of new/modified test apparatus, test/assessment processes or new personnel were required in order to gain acceptance as an ExTL. Test results falling into this category cannot be used and the test or assessment to be repeated; and
- b) The test parameters, procedures, process used to obtain the previous test or assessment data are the same as those concerning the standard to which application has been made; and
- c) The previously obtained test or assessment data is from test samples that are identical to the test samples that would now be selected as representative of the product(s) which are the subject of an ExTR or IECEx CoC application.

A.2.2 Acceptance of test data obtained after an ExTL has been accepted by the IECEx management committee but yet obtained prior to the application for an ExTR or IECEx CoC

ExTLs may use test or assessment data obtained prior to receiving an application for an ExTR only when ALL of the following criteria have been met:

- a) The test parameters, procedures, process used to obtain the previous test or assessment data are the same as those concerning the standard to which application has been made
- b) The previously obtained test or assessment data is from test samples that are identical to the test samples that would now be selected as representative of the product(s) which are the subject of an ExTR or IECEx CoC application

A.2.3 Manufacturer's test data

Test results obtained from manufacturer's testing facility are ONLY permissible where such tests have been conducted under the supervision of the ExTL, according to IECEx OD 024, and in accordance with the ExTL's own quality management system. The requirements of A2.2 above shall also be met.

NOTE IECEx are currently developing a guide covering the use of manufacturer's test data. Proposals for inclusion in this guide may be submitted by ExCBs, ExTLs, member bodies and industry and government stakeholders via their IECEx member body or direct to the IECEx Secretariat.

A.2.4 Method and format for reporting by ExTLs and ExCBs

A.2.4.1 Background

As in many cases, the ExTR will be used by other certification and approval bodies to issue their own certification/approval, the quality and completeness of the information, so to assist the body receiving an ExTR is most important.

Time and money spent getting the ExTR right, before it is issued, prevents problems for manufacturers and sellers down the track and also possible rejection by bodies receiving ExTRs. The credibility of the issuing ExTL can also be judged on the quality and completeness of the test/assessment information.

The IECEx management committee also recognize that the IECEx blank test report format requires a greater level of reporting than an ExTL, operating within their own national certification, may normally have required, as much of the detailed test and assessment data remains on the laboratory's own files. As bodies receiving ExTRs are required to make judgement on the ExTR information alone, the more complete the information and easier to show compliance with each clause of the standard, the smoother will be the acceptance by the body receiving the ExTR and hence their issuing of certification or approval. The end result will be reduced overall costs and quicker time to market for the seller.

Therefore, in light of the above, the IECEx management committee have decided on the following requirements when completing and issuing an ExTR using test data from information.

A.2.4.2 Reporting requirements

In ALL cases the IECEx test blank report forms shall be used. An ExTL is permitted to attach a complete test report or evaluation record, to an ExTR/ATR format providing the Section 1 of the ExTR provides a clear linkage to the test data and results contained within the attached report.

Copies of related drawings, duly endorsed by the ExTL, shall form part of the overall ExTR.

ExTRs shall clearly identify those test/assessments results that were obtained previously.

ExTRs shall be registered on the IECEx On-Line Certificate of Conformity System. Refer to IECEx OD 011-2 for guidance by creation of an ExTR Summary.

Annex B

Acceptance of quality assessment and audit data obtained prior to the application for an IECEx quality assessment report

B.1 Introduction

This annex sets out the conditions upon which quality assessment data relating to a manufacturer applying for an IECEx quality assessment report (QAR) may be accepted.

B.2 Acceptable use

B.2.1 Acceptance of quality assessment and audit data obtained prior to the acceptance of an ExCB by the IECEx management committee

ExCBs may use quality assessment or audit data obtained prior to the ExCB's acceptance into the IECEx scheme only when ALL of the following criteria have been met:

- a) Quality assessments and audits were conducted by the ExCB's personnel with competencies in the Ex field;
- b) No non-conformances were raised at the time of the IECEx assessment, such that corrective action by way of new/modified processes or new personnel were required in order to gain acceptance as an ExCB;
- c) The ExCB can demonstrate that the general requirements of ISO/IEC 80079-34 have been met;
- d) The previously obtained assessment and audit data are for test samples that are identical to the test samples that would now be selected as representative of the product(s) to which are the subject of an ExTR or IECEx CoC application; and
- e) The ExCB shall conduct a site visit as part of a surveillance audit, in accordance with IECEx OD 025, prior to the issue of a QAR.

B.2.2 Acceptance of quality assessment and audit data obtained after an ExCB has been accepted by the IECEx management committee but yet obtained prior to the application for an IECEx QAR or IECEx CoC

ExCBs may use quality assessment and audit data obtained prior to receiving an application for a QAR when ALL of the criteria specified in B2.1 above have been met.

Annex C - Guidance for the creation of Specific Conditions of Use (Informative)

C.1 Introduction

This annex provides guidance to ExCBs when determining the inclusion of Conditions of Safe Use in IECEX Certificates of Conformity, CoCs.

When applying this Annex, ExCBs should consult with the manufacturer of the Ex Equipment.

The following two definitions that are found in IEC 60079-0 are essential for understanding this Annex.

Specific Conditions of Use

essential information for the installation, use, and maintenance of the Ex Equipment and is provided on an Ex Equipment certificate and the certificate number includes the suffix "X"

Note 1 to entry: These Specific Conditions of Use are in addition to the installation design, selection, installation of equipment, inspection, maintenance, repair, and overhaul requirements of the IEC 60079 Series and the ISO/IEC 80079 Series; and they do not repeat those requirements.

Schedule of Limitations

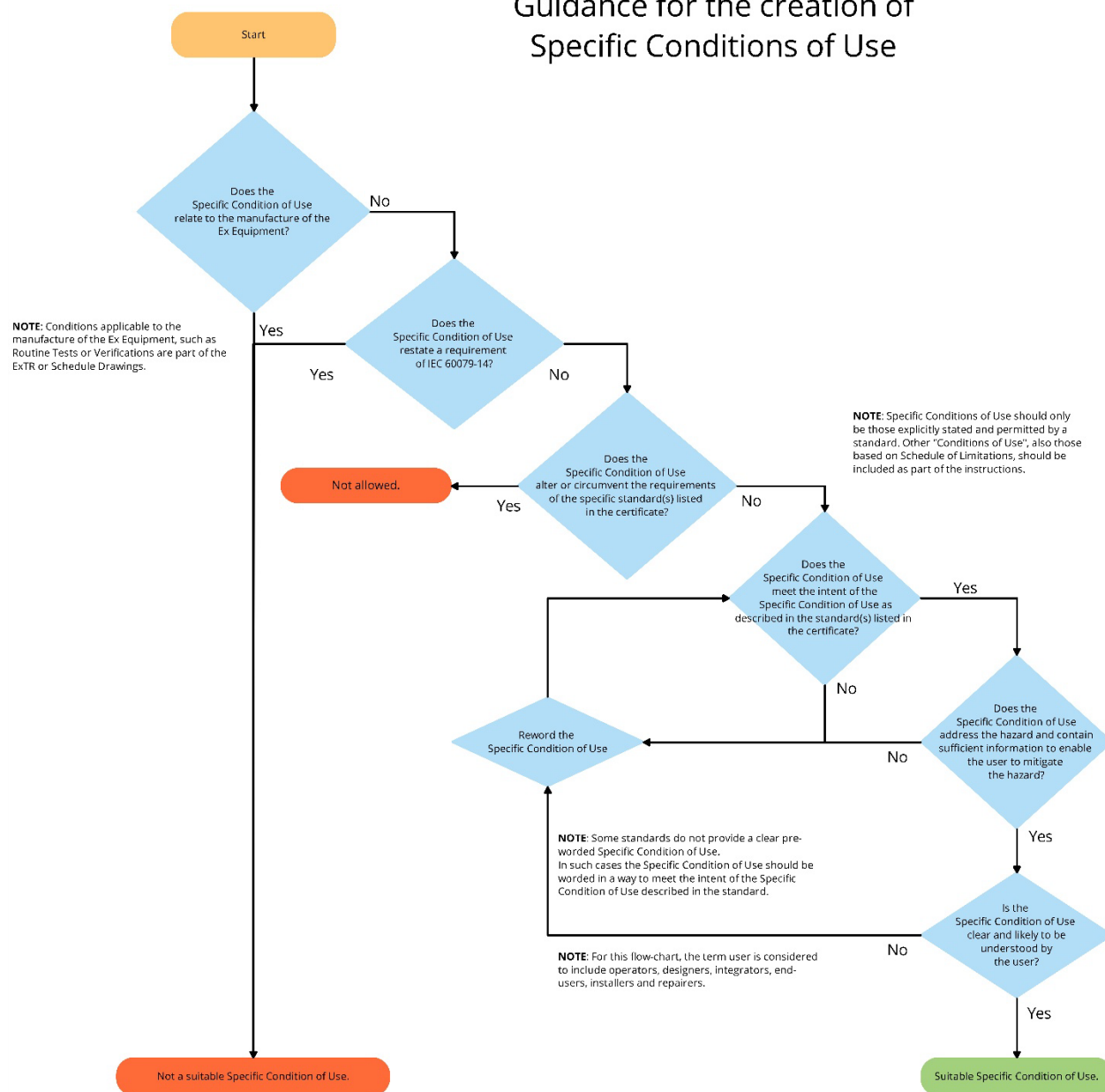
information that is necessary to correctly apply an Ex Component and is provided on an Ex Component certificate

NOTE: Prior to Edition 8.0 of IEC 60079-0, it was possible to replace the X-suffix on the certificate with either

- 1) an advisory marking appearing on the Ex Equipment or
- 2) a reference to a specific instruction document containing the detailed information.

In Edition 8.0 of IEC 60079-0 these two possibilities were eliminated to enable the user to receive critical information prior to receiving the physical Ex Equipment.

Guidance for the creation of Specific Conditions of Use



C.2 Examples of acceptable and not acceptable Specific Condition of Use

For a Specific Condition of Use to be considered acceptable it should meet all of the following criteria:

- 1) identify the hazard,
- 2) provide guidance for its mitigation,
- 3) be practical to be implemented.

In most cases a Specific Condition of Use is specifically mentioned in the standards listed on the IECEx Certificate of Conformity.

Example	Acceptable?	Explanation
Read and understand the instructions	No	The Specific Condition of Use does not identify a hazard (1), nor does it provide guidance for its mitigation (2) and it is not practical to be implemented (3). Additionally, this Specific Condition of Use does not explicitly exist in the standards. Further, according to IEC 60079-0 all Specific Conditions of Use shall be included as part of the instructions, making this a circular reference.
The batteries shall only be replaced with "ACME Inc. type AA batteries with model code AC-AA-123 in a non-hazardous area to avoid the possibility of an explosion.	No	The Specific Condition of Use does identify a hazard (1): Possibility of explosion. It does provide guidance for its mitigation (2): replacement only with a certain battery type and only in non-hazardous areas. It is practical to be implemented (3): Users can replace the batteries in non-hazardous areas. However, neither IEC 60079-0 nor IEC 60079-11 require a Specific Condition of Use for this scenario and this scenario is addressed in marking the Ex Equipment.

Example	Acceptable?	Explanation
In order to avoid the possibility of transmission of an internal explosion to the external potentially explosive atmosphere after a repair of the flamepath, contact the manufacturer when repair of this flamepath is necessary.	Yes	The Specific Condition of Use identifies a hazard (1): Possibility of an explosion It does provide guidance for mitigation (2) and is practical to be implemented (3): Contact the manufacturer when repair is necessary IEC 60079-1:2014 sub-clause 5.1 specifically lists this Specific Condition of Use.
The surface resistivity shall be measured annually	No	This Specific Condition of Use does not identify a hazard (1), does not provide guidance for mitigation (2) and is not practical to be implemented (3).
The fault current shall be limited	No	This Specific Condition of Use does not identify a hazard (1), does not provide guidance for mitigation (2) and is not practical to be implemented (3). No threshold value is given.
The maximum surface temperature was only determined in an upright position. In order to avoid the possibility of exceeding the assigned temperature class the Ex Equipment shall only be installed and operated in an upright position.	Yes	This Specific Condition of Use identifies the hazard (1): Exceeding the assigned temperature class. It provides guidance for mitigation (2): Only install and operate in an upright position. It is practical to be implemented (3).
In order to avoid electrostatic discharges the Ex Equipment shall only be installed in areas where charging mechanisms stronger than manual rubbing can be excluded.	Yes	This Specific Condition of Use identifies the hazard (1): Occurrence of electrostatic discharges. It provides guidance for the mitigation (2): Shall only be installed in areas excluding charging mechanisms stronger than manual rubbing. It is practical to be implemented (3).

Example	Acceptable?	Explanation
Only IECEx certified cable glands shall be used.	No	This Specific Condition of Use does not identify a hazard (1), does not provide guidance for mitigation (2). However, it might be practical to be implemented (3). This Specific Condition of Use does not exist in the standards.