



IECEX System Update

**IECEX ExTAG Training
September 2018**

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IECEX Secretariat**



This session ...

1. Reporting
2. Reminders
3. Reading (essential)
4. References
5. Revisions / improvements



Secretariat Monitoring

An audit of **862** x 'on-line' IECEx Equipment CoCs selected at random as representing a **~15% sample** of all those published in the second half of 2017 and 2018 YTD and audited showed

- IECEx Certified Equipment Certificates with zero issues = **800**
- IECEx Certified Equipment Certificates with one issue = **60** (= 6.9% of sample)
- IECEx Certified Equipment Certificates with multiple issues = **2** (= <1% of sample)

and

- IECEx Service Facility CoCs ... 0 of **28** audited had an issue
- IECEx Personnel CoCs ... 3 of **98** audited had an issue

Overall this a better result than previous years but we are sure that you will agree that there is room for improvement !



Secretariat Monitoring

Breakdown of **major issues** in IECEx Equipment Certificates audited:

- Standards listed on CoC do NOT match Standards (including Edition #) on ExTR (main issue observed was CoC citing later Edition than ExTR)
- Equipment description is NOT clear and sufficiently detailed
- “Specific Conditions of Use” details NOT specified for “X” type Certificates
- Linked QAR is NOT current
- Manufacturer on CoC does NOT match QAR details and/or QAR(s) does NOT cover all manufacturing locations listed on CoC



Secretariat Monitoring

Common Problem leading to “good” on-line Certificate BUT “poor” PDF copy is use of ****/**** or similar in Equipment field to describe a range of variations >>> PDF writer sees this as a command to create blank page

Solutions = avoid the use of this OR insert spaces (eg. **** / *****)



Secretariat Monitoring

IECEX On-line Certificates & Internet Browsers – *best results*

- ✓ Internet Explorer 11
- ✓ Google Chrome
- ✗ Microsoft Edge
- ✗ Firefox



IECEX Assistance

REMINDER

*PLEASE assist us to help you and your clients by advising us of any **changes** to organisation name, address, accreditation status, key personnel (especially the main contact person for IECEx matters) etc etc **BEFORE** or **ASAP AFTER** the change*

Refer IECEx 02, Clauses 11.1.2, 11.1.3 and 11.1.9



Reminder of Features introduced previously

REMINDER: *the need to manage Suspended Certificates ...*

ACTION ITEM from the 2013 meeting of the IECEx Executive:

“... the Secretariat to conduct an annual review of suspended Certificates, remind ExCBs with suspended certificates that a review with the manufacturer is needed within 1 month, and to ask the ExCB to show cause why the Certificate(s) should not be cancelled. A failure to respond within 1 month will lead to an automatic cancellation.”

Current status = some ExCBs have publicly visible IECEx Certificates that have been SUSPENDED for over 7 years.

In the view of the Secretariat these should be investigated by the ExCB and EITHER up-issued after resolution of the reasons for suspension OR cancelled.

The Secretariat can provide a report of these Certificates and assist with cancellations on request.



Reminder of Features introduced previously

REMINDER: following a request from ExCBs, the Secretariat arranged for two major features to be added to the IECEx On-line website to provide separate listings for the following:

- **A ExCB's Out of Date QARs**
- **A ExCB's CoCs with Out of Date QARs**

Noting that

- ❖ Each ExCBs are only able to view their own lists.
- ❖ Guidance is provided in Document ExTAG/245/INF
- ❖ The “Out of Date” status of a QAR (and the CoC(s) it supports) is publicly visible



Out of Date QARs

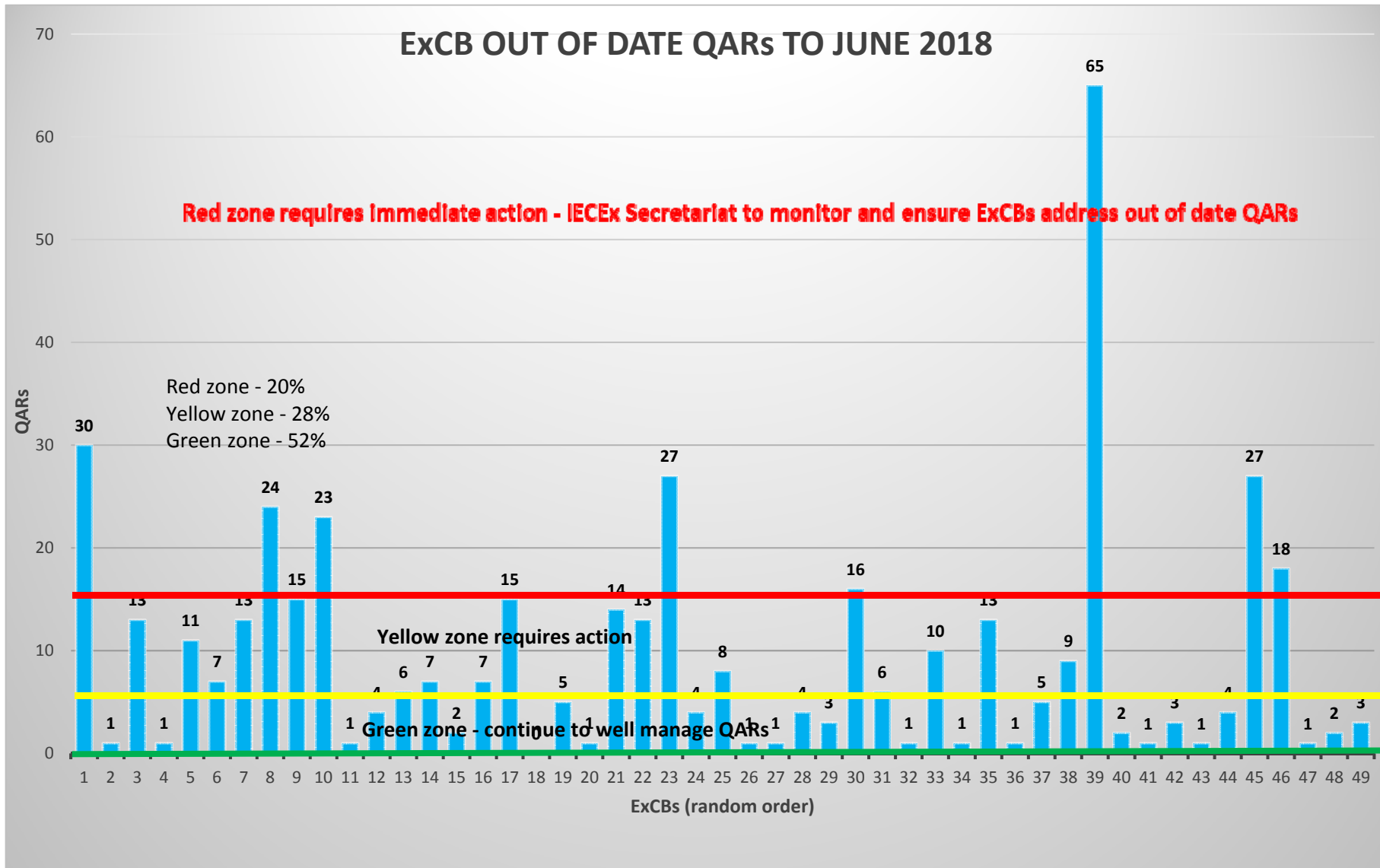
It is recognised that some QARs will never be updated. The reasons for this can include:

- 1. The linked CoC has been cancelled.*
- 2. Another ExCB has taken over the surveillance of the manufacturer.*
- 3. The ExCB has raised another QAR to supersede the original QAR.*

In such cases ExCBs are requested to advise the IECEx Secretariat and if it can be shown that the QAR will never be updated and that all Current CoCs linked to the now out of date QAR have been updated and linked to a valid QAR, the Secretariat can remove the QAR from the ExCBs “QAR, out of date” list.



Out of Date QARs - Status





Essential reading for ExCB Staff

➤ ***Document ExTAG/245/INF***

IECEX On-Line Website Update: ExCBs-QARs out of date and ExCBs-CoCs with QARs out of date.

➤ ***Document ExTAG/164/INF***

Scheduling of Surveillance Assessments + Re-Assessments for the IECEx 02 Certified Equipment Scheme.

➤ ***Operational Document OD 009***

IECEX Certified Equipment Scheme, Procedures for the Issuing of IECEx Certificates of Conformity, IECEx Test Reports and IECEx Quality Assessment Reports

➤ ***Operational Document OD 011 (Series)***

Guidance on Use of the IECEx Internet based “On-Line” Certificate of Conformity System

➤ ***Operational Document OD 033***

Unit Verification Certificates

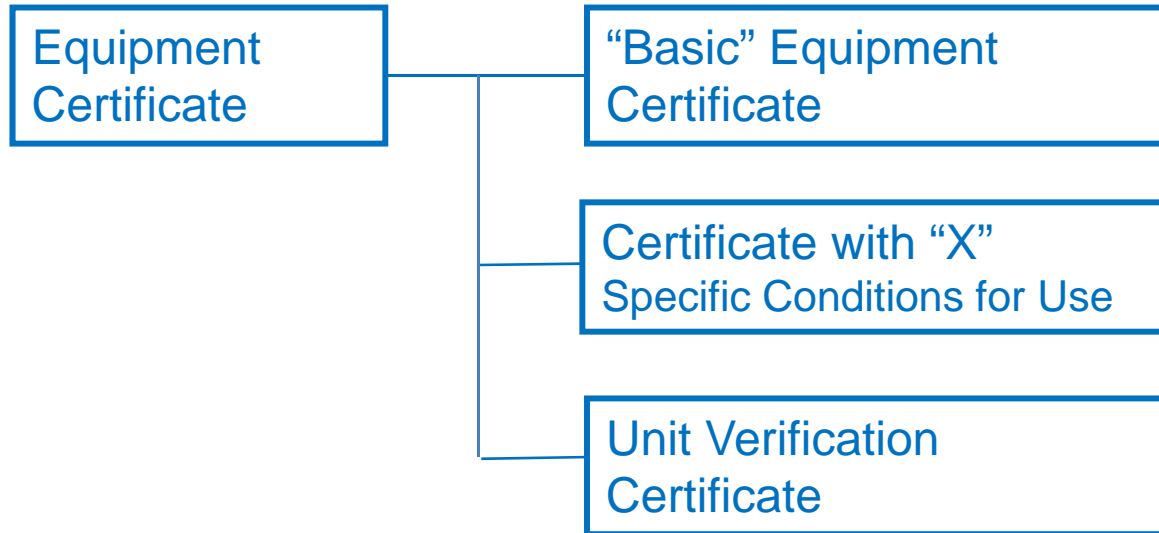


“User Friendliness” – NEW TOOLS

- Ex Component Certificate creation automation
 - *presented to 2017 IEC TC 31 Meeting in Sydney*
 - *discussed and accepted by 2017 ExMC WG1 meeting*
 - *Launched for ExCB use on 4th June 2018*

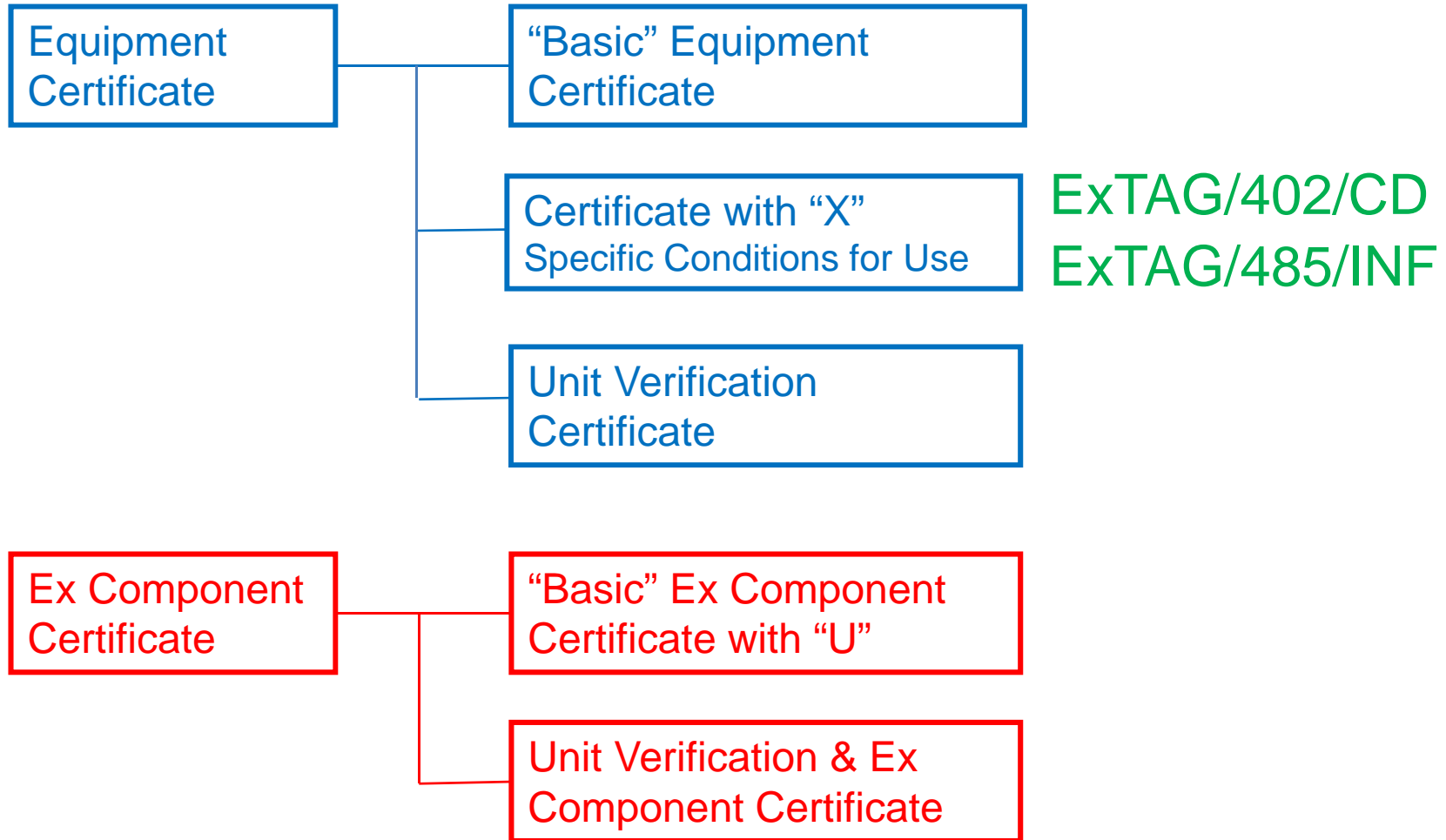


IECEx Certificate Types



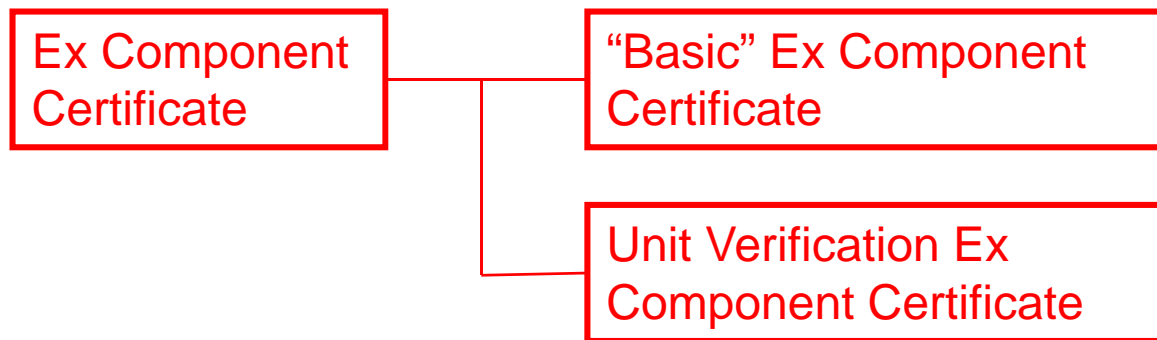


IECEx Certificate Types





IECEx Certificate Types





“Automating” Ex Component Certificates

Extract from **ExTAG/504/INF**

1. ExCBs can independently create own Ex Component Certificates
2. existing draft Certificates in the system can have a ‘U’ suffix added manually by the IECEx Secretariat Administrator on request from ExCBs in the same way that we do now and that the Secretariat will be able to continue to do this for existing drafts after the new Ex Component Certificate format facility is made ‘live’
3. existing Current Certificates in the system to which the Administrator has already added a ‘U’ will remain on the system with the current format and with the ‘U’ suffix to the Certificate #
4. If an ExCB needs to ‘up-issue’ an existing Current Certificates in the system that already has a ‘U’, the draft New Issue will have the new Ex Component Certificate format template



“Automating” Ex Component Certificates

IECEX Certified Ex Equipment

IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System)

[IECEX CoC Home](#) > Certified Equipment Scheme

IECEX Certified Equipment [RESTRICTED AREA]

You are welcomed in as **Administrator** [editor] [admin] [changeStatus] and have full access to public information and to maintenance area.

Quick access:
Type in CoC ref. number (e.g.: "IECEX BAS 10.0001")

Free text search:
You can use boolean operators "AND", "OR"

NEWS

The process for creating NEW Ex Component Certificates OR converting older drafts to the new Ex Component Certificate format is explained in : [EXTAG_504_INF](#) available here.

The IECEX Online Certified Equipment Scheme enables:

- IECEX Certification Bodies to issue new IECEX Certificates of Conformity "On-line"
- Full Public access to consult, view and print issued IECEX Certificates
- View Statistical information
- Export data to an Excel worksheet



“Automating” Ex Component Certificates



→ iecex.iec.ch:

Home / Search

Certified Service Facilities

Conformity Mark Licenses

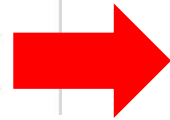
Certified Persons

→ Issue document:

New Certificate

New Component Certificate

New ExCAD details



for rules and details of the IECEx Scheme visit www.iecex.com

EX COMPONENT CERTIFICATE

Certificate No.: IECEx SAI 18.0005U issue No.: 0 Certificate history: _____

Status: Draft Current Suspended Cancelled

Date of Issue: 2018-07-23 Page 1 of 3

Unit Verification: Yes No

Applicant Name: _____

Applicant Address: _____

Applicant Country / Location: _____

Ex Component: _____

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).



“Automating” Ex Component Certificates

Ex Component(s) covered by this certificate is described below:

SCHEDULE OF LIMITATIONS:



“User Friendliness” – NEW TOOLS

- Ex Component Certificate creation automation
 - *presented to 2017 IEC TC 31 Meeting in Sydney*
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 - *Launched for ExCB use on 4th June 2018*

- ***New IT Platform for IEC IT***
 - ***= foundation for improvements to IECEx On-line Certificate System***



New IT Platform for IEC – WHY ?

1. Current On-line Certificate Systems for all IEC Conformity Assessment Systems based on Lotus Notes

2. Need for improvements to IEC Standards Development systems (eg. IEC Collaboration Tools)

3. Need for improvements to IEC Standards Catalog (eg. support and enable machine readable Standards – more information available @

http://www.iec.ch/about/brochures/pdf/about_iec/IEC_online_IT_tools_and_applications.pdf & @
http://www.iec.ch/about/brochures/pdf/tools/IEC_Future_Collaborative_Standards_Development_and_Business_Platform_LR-en.pdf

4. External data storage, backup and security



New IT Platform for IEC >> IECEx

IECEx System chosen as first application of due to breadth, depth and complexity of IECEx Certificates & supporting reports

Framework, structure, formats and tools developed for IECEx will be basis for updates for other IEC CA Systems

Modern layout and appearance

Enhanced tools for ExCBs & public users



New IT Platform for IEC >> IECEx

NEXT STEPS

1. IEC IT make test system available ~ Q1 2019
2. IECEx Secretariat to establish Review & Test Team from system users in most active ExCBs
3. Detailed testing over the period of Q2 in 2019
4. Any additional data cleansing
5. Preparation of guidance documents (revisions of IECEx OD 011-x series) + training materials
6. Final 'adjustments' in Q3 in 2019
7. Anticipated 'changeover' in Q4 2019 (at earliest)



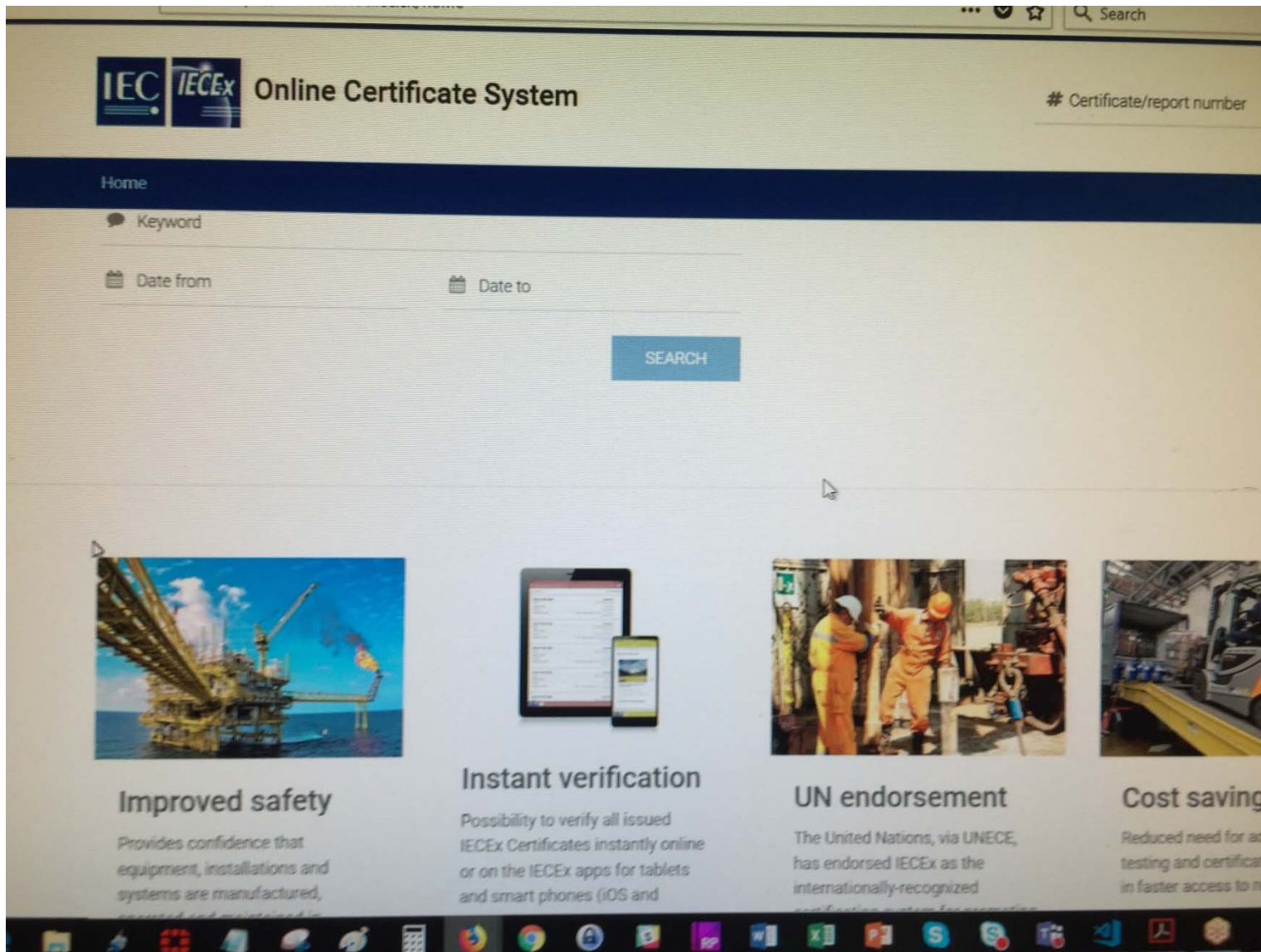
New IECEx On-line Certificate System

FEATURES

- Improved ExCB Profiles and access management
- Links between IEC CA Systems data
- Builds an image of the final Certificate as data is entered in required fields
- Automatic PDF creation and validation
- View Certificate “image” OR Details (as metadata)
- Includes ‘auto-complete’ of known content eg. manufacturer name
- Improved search tools
- Improved Export to Excel reporting capability
- Improvements to IECEx App to follow



New IECEX On-line Certificate System





New IECEx On-line Certificate System

IEC IECEx Online Certificate System # Certificate/report number [LOG IN](#)

Home

View a Certificate / Summary report

Certificate/report number

Find Certificates / Summary Reports

IECEx Certification Body

Applicant (manufacturer/service facility/person)

Location

Keyword

Date from Date to

SEARCH

IECEx International Certification

The way to safety compliance in hazardous areas

- > Certified equipment, mark licenses, service facilities and certified persons
- > Over 28'000 certificates and test reports
- > Used by 4'500 manufacturers in 54 countries
- > Issued by 62 IECEx Certification Bodies
- > Over 300 types of protection





New IECEx On-line Certificate System

View a Certificate / Summary report

IECEx BAS 05.0051|

IECEx BAS 05.0051
Issue 1

IECEx BAS 05.0051
Issue 2

IECEx BAS 05.0051
Issue 3

Quick access with auto-suggest



New IECEx On-line Certificate System

Find Certificates / Summary Reports

DEK - DEKRA Certification B.V. x

siemen| x

Location

Keyword

Date from Date to

SEARCH

Choose a applicant...

- SIEMENS
- SIEMENS A/S FLOW INSTRUMENTS
- SIEMENS A/S Flow Instruments
- SIEMENS AG
- SIEMENS AG, DF CP
- SIEMENS AG, Industry Sector, Industry Automation Division
- SIEMENS Audiologische Technik

Global search (on all schemes)



New IECEx On-line Certificate System

IEC IECEx Online Certificate System # Certificate/report number LOG IN

Home

Search

DEK - DEKRA Certification B.V. x SIEMENS AG x

Certified Equipment Certified Service Facilities Conformity Mark Licenses Certified Persons

Equipment Certificate Component Certificate QAR ExTR

ALL CANCELLED CURRENT ISSUED SUSPENDED WITHDRAWN 📅 Year 🔍 Keyword

Certificate no.	ExCB	Applicant	Date of issue
IECEX DEK 16.0066X Issue 3	DEK	SIEMENS AG	2018-08-30
IECEX DEK 14.0054X Issue 3	DEK	SIEMENS AG	2018-07-18
IECEX DEK 14.0034X Issue 7	DEK	SIEMENS AG	2018-07-18
IECEX DEK 14.0043X Issue 2	DEK	SIEMENS AG	2018-06-08
IECEX DEK 16.0013X Issue 3	DEK	SIEMENS AG	2018-05-14
IECEX DEK 16.0066X Issue 2	DEK	SIEMENS AG	2018-04-04
IECEX DEK 15.0080X Issue 5	DEK	SIEMENS AG	2018-04-04
IECEX DEK 15.0011X Issue 3	DEK	SIEMENS AG	2018-03-28



New IECEx On-line Certificate System

IEC IECEx Online Certificate System # Certificate/report number [LOG IN](#)

Home / IECEx BAS 05.0051 / Certificate

IECEX BAS 05.0051

Issue 3
Equipment Certificate

[Certificate](#) [Details](#)

[DOWNLOAD](#)

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Unit Verification Certificate

Certificate No.:	IECEX BAS 05.0051	Page 1 of 4
Status:	Current	Issue No.: 3
Date of Issue:	2017-02-01	<u>Certificate history:</u> Issue No. 1 (2007-04-19) Issue No. 2 (2015-03-06) Issue No. 3 (2017-02-01)
Applicant:		
Equipment:	Advanced Flame Detectors Types S231i+, S241i+, S251i+ and S271i+	
Optional accessory:		
Type of Protection:	XXXXXXXXXX	
Marking:	Ex ia IIC T5 (-20°C ≤ Ta ≤ +40°C) or T4 (-40°C ≤ Ta ≤ +80°C)	
<small>Approved for issue on behalf of R S Sinclair the IECEx Certification Body:</small>		
Position:	Technical Manager	
Signature:		
<small>(for printed version)</small>		

PDF Certificate or Summary report page



New IECEx On-line Certificate System

IECEX BAS 05.0051

Issue 3

Equipment Certificate

Certificate

Details

Date of issue: 2017-02-01

Status:

CURRENT

Details

Unit verification

Y N

New issue locked

Equipment

Advanced Flame Detectors Types S231i+, S241i+, S251i+ and S271i+

Optional accessory

Serial number(s) or Unique Identification

Type of Protection

Intrinsic Safety

Marking

Ex ia IIC T5 (-20°C ≤ Ta ≤ +40°C)
or T4 (-40°C ≤ Ta ≤ +80°C)

Approved for issue on behalf of the IECEx
Certification Body

R S Sinclair
Technical Manager

Certificate issued by

SGS Baseefa Limited
Rockhead Business Park Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom

Equipment and systems covered by this
certificate

The Advanced Flame Detectors Types S231i+, S241i+, S251i+ and S271i+ are designed as infra-red flame detectors.

The Type S231i+ is a conventional flame detector, the Type S241i+ is a 4/20mA loop-connecting flame detector and the Types S251i+ and S271i+ are analogue/addressable flame detectors.

Certificate or Summary report details page (data, links, attachments...)



New IECEx On-line Certificate System

Home

Create new issue

Certificate/report number

Create new certificate

Select a scheme:

Certified Equipment	Certified Service Facilities	Conformity Mark Licenses	Certified Persons
----------------------------	------------------------------	--------------------------	-------------------

Document type:

Equipment Certificate	Component Certificate	QAR	ExTR
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CREATE CERTIFICATE

Page to create a new deliverable / or up-issue a Certificate or Summary report



New IECEX On-line Certificate System

Home \ IECEX Users Access Rights

XC-CST Log Out

Create a new user

Person Id	Title	Last Name	First Name	Login	Email	Function type code
	Mr	Ludlam	Nicholas	gb-ni-lu		IECEX_DEPENDENCY
	Mr	Zalogin	Alexander	ru-a2-2a		IECEX_DEPENDENCY
	Mrs	Briffod	Audrey	xc-au-br	audrey.briffod@iec.ch	IECEX_DEPENDENCY
	Mrs	Strich-Jan	Caroline	xc-cst	cst@iec.ch	IECEX_DEPENDENCY
	Mrs	Novel	Lisa	xc-lno	lno@iec.ch	IECEX_DEPENDENCY
	Mr	Robillard	Sébastien	xc-se-ro	sebastien.robillard@iec.ch	IECEX_DEPENDENCY

Home ExCB / ExTL Scopes Applicants Manufacturers Applicant Persons Certificates Reports Fees Administration IECEX Users Access Rights Migration

mathieu massa

User Details Address

User Details Save Save Submit

Title Salutation

* First name mathieu Middle name Last name massa

Loginname email Login

Birthdate Status Inactive

Password

Permissions

IECEX Secretary Yes

CB Dependency

Add permission

Select ExCB DEK - DEKRA Certification B.V.

Permission ExCB Admin ExCB Basic

Save Close

New permission



THANK YOU

The IECEx Secretariat wishes to thank all ExCBs for their prompt assistance and cooperation to date and their understanding of the value in maintaining an up to date On-Line Certificate System

“Silly” questions are preferred to silly mistakes – please ask if you are not sure