



Meetings of the IECEx System : Umhlanga, South Africa, 5 - 9 September 2016

# IECEx System Update

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**IECEx Secretariat**

**IECEx ExTAG Training**  
**5<sup>th</sup> September 2016**



# What have we been doing ....

“BEFORE”

DESIGNING

BUILDING

DEVELOPING &  
REFINING

“NOW”

CUSTOMER  
FEEDBACK

PROMOTING &  
IMPROVING

SECRETARIAT  
MONITORING



# Did you know that .... ?

1. the 'public' (as a wide range of users) highly value and rely on IECEx Certificates and supporting documents for many and varied purposes
2. the 'public' read IECEx Rules, ODs, Guides and know when they have been updated / revised ( ... your personnel and procedures ?)
3. the 'public' understand the purpose of QARs, ExTRs, FARs and PCARs and do access and read these
4. There is increasing demand for PDF copies of Certificates etc. as hard copy (the concept of uncontrolled copy NOT well understood)
5. the 'public' Regularly contact the Secretariat with POSITIVE feedback and suggestions (they do this because they care !!!)



# Secretariat Question

The **MOST IMPORTANT** consideration when preparing and issuing an IECEx Certificate is ?

1. ease of preparation by ExCB staff
2. quickest response to ExCB client
3. most models / variations on a Certificate
4. provision of clear and complete information for users to validate equipment as compliant, install and operate correctly, etc etc to satisfy a wide range of needs



# Secretariat Observation

## EQUIPMENT(continued):

### Equipment protection methods / temperature code / Tambient

DVC60x0xx, DVC6200xx, DVC6005x: Ex ia IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); Ex d IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); Ex nC IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); IP66 (HART COMMUNICATION PROTOCOL)  
DVC60x0xx, DVC6200xx, DVC6005x: Ex ia IIC T4 ( $T_a \leq 80^\circ\text{C}$ ) / T5 ( $T_a \leq 77^\circ\text{C}$ ) / T6 ( $T_a \leq 62^\circ\text{C}$ ); Ex d IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); Ex nC IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); IP66 (FIELD BUS / FISCO / PROFIBUS COMMUNICATION PROTOCOL)  
DVC6205: Ex d IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); Ex nC IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); IP66  
DVC6205F, DVC6205P: Ex ia IIC T4 ( $T_a \leq 80^\circ\text{C}$ ) / T5 ( $T_a \leq 77^\circ\text{C}$ ) / T6 ( $T_a \leq 62^\circ\text{C}$ ); Ex d IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); Ex nC IIC T5 ( $T_a \leq 80^\circ\text{C}$ ) / T6 ( $T_a \leq 75^\circ\text{C}$ ); IP66  
DVC60x5: Ex ia IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); Ex d IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); Ex nA IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); IP66  
DVC6215: Ex ia IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); Ex d IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); Ex nA IIC T4 ( $T_a \leq 125^\circ\text{C}$ ) / T5 ( $T_a \leq 95^\circ\text{C}$ ) / T6 ( $T_a \leq 80^\circ\text{C}$ ); IP66

### Electrical parameters for protection type "d" and Type "n"

DVC60x0xx, DVC6200xx, DVC6005x, DVC6205x, DVC6215: 30V max, 20mA

DVC60x5: 10V max, 5mA

### Electrical parameters for protection type "i"

DVC60x0, DVC60x0S, DVC6200, DVC6200S:  $U_i = 30\text{V}$ ,  $I_i = 226\text{mA}$ ,  $P_i = 1.4\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0.55\text{mH}$   
DVC60x0, DVC60x0S, DVC6200, DVC6200S (HW2): Loop Terminals:  $U_i = 30\text{V}$ ,  $I_i = 130\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.55\text{mH}$ ,  $P_i = 1\text{W}$ ; Output Terminals:  $U_i = 28\text{V}$ ,  $I_i = 100\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.5\text{mH}$ ,  $P_i = 1\text{W}$ ; Remote Sensor Terminals:  $U_o = 30\text{V}$ ,  $I_o = 21.2\text{mA}$ ,  $C_o = 55\text{nF}$ ,  $L_o = 78\text{mH}$ ,  $P_o = 160\text{mW}$   
DVC60x0FS, DVC6200F, DVC6200FS, DVC6200P, DVC6200PS:  $U_i = 24\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 1.4\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$ ; or  $U_i = 17.5\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 5.32\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$   
DVC6005:  $U_i = 30\text{V}$ ,  $I_i = 226\text{mA}$ ,  $P_i = 1.4\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0.55\text{mH}$ ;  $U_o = 9.6\text{V}$ ,  $I_o = 3.5\text{mA}$ ,  $P_o = 8.4\text{mW}$ ,  $C_o = 3.6\mu\text{F}$ ,  $L_o = 100\text{mH}$   
DVC6005 (HW2): Loop Terminals:  $U_i = 30\text{V}$ ,  $I_i = 130\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.55\text{mH}$ ,  $P_i = 1\text{W}$ ; Output Terminals:  $U_i = 28\text{V}$ ,  $I_i = 100\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.5\text{mH}$ ,  $P_i = 1\text{W}$ ; Remote Sensor Terminals:  $U_o = 30\text{V}$ ,  $I_o = 21.2\text{mA}$ ,  $C_o = 55\text{nF}$ ,  $L_o = 78\text{mH}$ ,  $P_o = 160\text{mW}$   
DVC6005F:  $U_i = 24\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 1.4\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$ ;  $U_o = 24\text{V}$ ,  $I_o = 17.5\text{mA}$ ,  $P_o = 105\text{mW}$ ,  $C_o = 121\text{nF}$ ,  $L_o = 100\text{mH}$ ; or  $U_i = 17.5\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 5.32\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$ ;  $U_o = 24\text{V}$ ,  $I_o = 17.5\text{mA}$ ,  $P_o = 105\text{mW}$ ,  $C_o = 121\text{nF}$ ,  $L_o = 100\text{mH}$   
DVC60x5:  $U_i = 30\text{V}$ ,  $I_i = 17.5\text{mA}$ ,  $P_i = 105\text{mW}$ ,  $C_i = 0\mu\text{F}$ ,  $L_i = 0\text{mH}$   
DVC6205 (HW2): Loop Terminals:  $U_i = 30\text{V}$ ,  $I_i = 130\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.55\text{mH}$ ,  $P_i = 1\text{W}$ ; Output Terminals:  $U_i = 28\text{V}$ ,  $I_i = 100\text{mA}$ ,  $C_i = 15\text{nF}$ ,  $L_i = 0.5\text{mH}$ ,  $P_i = 1\text{W}$ ; Remote Sensor Terminals:  $U_o = 30\text{V}$ ,  $I_o = 21.2\text{mA}$ ,  $C_o = 55\text{nF}$ ,  $L_o = 78\text{mH}$ ,  $P_o = 160\text{mW}$   
DVC6205F, DVC6205P:  $U_i = 24\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 1.4\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$ ;  $U_o = 24\text{V}$ ,  $I_o = 44\text{mA}$ ,  $P_o = 0.33\text{W}$ ,  $C_o = 121\text{nF}$ ,  $L_o = 30\text{mH}$ ; or  $U_i = 17.5\text{V}$ ,  $I_i = 380\text{mA}$ ,  $P_i = 5.32\text{W}$ ,  $C_i = 5\text{nF}$ ,  $L_i = 0\text{mH}$ ;  $U_o = 17.5\text{V}$ ,  $I_o = 44\text{mA}$ ,  $P_o = 0.33\text{W}$ ,  $C_o = 121\text{nF}$ ,  $L_o = 30\text{mH}$

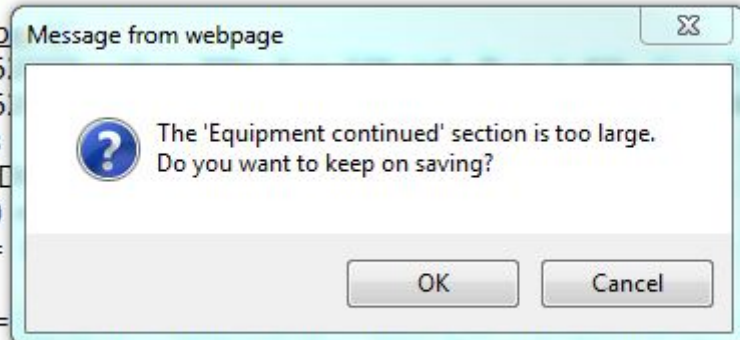




# Secretariat Observation

1 type "d" and Type "n"  
5x, DVC6205x, DVC6215: 30V max, 20mA

1 typ  
VC6.  
VC6.  
nals  
FS, D  
380  
Pi =  
Ui =  
Ci = 15nF, Li = 0.5mH, Pi = 1W; Remote Sensor Terminals: L  
nH, Po = 160mW  
, Pi = 1.4W, Ci = 5nF, Li = 0mH; Uo = 24V, Io = 17.5mA, Pc



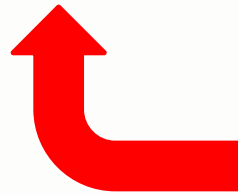


# Secretariat Observation

**EQUIPMENT:**

*Equipment and systems covered by this certificate are as follows:*

Earth Fault Lockout and Frozen Contact Protection Relay.



Annex does contain much more detailed Description BUT the Annex is not referenced from here

**CONDITIONS OF CERTIFICATION: YES as shown below:**

Please refer to Annex



# Secretariat Monitoring

An audit of **567** x 'on-line' IECEx Equipment CoCs selected at random as representing a **~15% sample** of all those published in the second half of 2015 and 2016 YTD and audited showed

- IECEx Certified Equipment Certificates with zero issues = **537**
- IECEx Certified Equipment Certificates with one issue = **28**
- IECEx Certified Equipment Certificates with multiple issues = **2**
- IECEx Service Facility CoCs ... 5 of 29 audited had an issue
- IECEx Personnel CoCs ... 4 of 96 audited had an issue

*Whilst this is an improvement on previous years there is scope for further improvement !*

.....to assist improvement, TODAY = an opportunity for some feedback and information on:

- REMINDERS
- REVISIONS
- NEW TOOLS





# Essential reading for ExCBs



**IECEX 02**

Edition 5.2 2015-10

## **IECEX PUBLICATION**

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

**Rules of Procedure**



# Essential reading for ExCBs

*Extracted from IECEx 02 ...*

## 8.1.3 Contents

The IECEx CoC shall contain at least the following information:

- Clear description of the Ex equipment
- Name and address of the manufacturer
- The Standard, edition and amendments, if any
- Reference to the supporting ExTR
- Reference to the supporting QAR, except for Unit Verification
- Ex marking requirements
- Name of the issuing ExCB
- Conditions of safe use, if any
- IS parameters for intrinsic safety, where relevant
- Reference to manufacturers' instructions
- Serial number or other unique identifier when issued for Unit Verification



## Other essential reading for ExCBs

### ➤ ***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



# Recent updates & revisions

## **IECEX 02 Ed 5.2**

IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure

## **IECEX 05 Ed 3.0**

IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) IECEx Scheme for Certification of Personnel Competence for Explosive Atmospheres – Rules of Procedure

## **OD 035 Ed 2.0**

A procedure to generate, discuss, report and publish ExTAG Decision Sheets

## **OD 011-1 Ed 4.2**

Guidance on Use of the IECEx Internet based “On-Line” Certificate of Conformity System, Part 1: General Information



# IECEX OD 011 Series

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

*OD 011, Guidance on Use of the IECEx Internet based “On-Line” Certificate of Conformity System*

- *Part 1: General Information*
- *Part 2: Creating IECEx Equipment Certificates of Conformity CoCs*
- *Part 3: Creating IECEx Service Facility Certificates of Conformity CoCs*
- *Part 4: Creating IECEx Conformity Mark Licenses*
- *Part 5: Creating Certificates of Personnel Competence CoPCs*

All revised and republished in January 2015 @ <http://www.iecex.com/operational.htm> to

1. Include updated images of IECEx Website and On-Line CoC System pages
2. Link content to new editions of IECEx Rules and other ODs
3. Provide clearer instruction through use of icons and notes
4. Clarify expected content of key data fields in ‘on-line’ CoCs, QARs, ExTRs, FARs and PCARs (particularly regarding dates of assessment and expiries)



## IECEX On-Line Certificate System Assistance

### **REMINDER**

*IECEX Secretariat support always available for:*

- adding “U” to draft Equipment CoCs
- editing of CoCs
- resetting CoCs to “Draft” to allow editorial corrections
- deletion of unwanted draft CoCs, ExTRs and QARs
- cancellation/Suspension of CoCs
- assistance with managing Out of Date QARs
- ‘remote’ training of new ExCB staff
- general enquiries

➤ ***Our Target for response = before end of your next working day***





## 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 6 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 it supports) is publicly visible




# Out of Date QARs

- All ExCBs have been requested to review their list of out of date QARs and arrange for the surveillance audits of manufacturers (where these have not been done), as a priority and then update the on-line QARs
- Only the Secretariat and the 'logged-in ExCB' can view an ExCBs 'lists' of out of date QARs
- When the QAR is updated and no longer out of date, it will be automatically removed from the "QAR, out of date" list



# ExCB View - Out of Date QARs



iecx.iec.ch:  
Home / Search  
Certified Service Facilities  
Conformity Mark Licenses  
Certified Persons

Issue document:  
New Certificate  
New ExQAR details  
New ExTR details

View by:  
Certificates  
Draft Certificates  
Certificate ref. number  
IECEX Cert. Body (ExCB)  
ExCBs, QARs out of date  
ExCBs, CoCs with QAR out of date  
Applicant  
Applicant Location  
Manufacturer location  
Country/Standards/ExCBs

## IECEX Certified Equipment [RESTRICTED AREA]

60079-1 (Ed.6), IEC 60079-11 (Ed.4), IEC 60079-11 (Ed.5), IEC 60079-11 (Ed.6.0), IEC 60079-15 (Ed.1), IEC 60079-15 (Ed.2), IEC 60079-15 (Ed.3), IEC 60079-18 (Ed.1), IEC 60079-18 (Ed.2.0), IEC 60079-18 (Ed.3), IEC 60079-2 (Ed.4), IEC 60079-2 (Ed.5), IEC 60079-25 (Ed.1), IEC 60079-26 (Ed.1), IEC 60079-26 (Ed.2), IEC 60079-27 (Ed.1.0), IEC 60079-27 (Ed.2.0), IEC 60079-31 (Ed.1), IEC 60079-5 (Ed.2), IEC 60079-5 (Ed.3), IEC 60079-6 (Ed.2), IEC 60079-6 (Ed.3), IEC 60079-7-am1+am2 (Ed.2), IEC 60079-7 (Ed.3), IEC 60079-7 (Ed.4), IEC 61241-0 (Ed.1), IEC 61241-1-1 (Ed.2), IEC 61241-1 (Ed.1), IEC 61241-11 (Ed.1), IEC 61241-4 (Ed.1), IEC 62013-1 (Ed.1), IEC 62013-1 (Ed.2)

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

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

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

For any questions, please contact [Mr. Chris Agius](#), IECEX Secretary.



# ExCB view - QARs out of date by ExCB

UL LLC | Logout

**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 > Listing

View by ExCBs, QARs out of date: (UL)

Previous Page | Next Page | First Page | Last Page | Expand | Collapse

QAR Number -- ("Valid until" date)	CoC	Linked by
US/UL/QAR06.0001/06 -- (23.06.2013)		

Previous Page | Next Page | First Page | Last Page | Expand | Collapse

iecx.iec.ch:  
 Home / Search  
 Certified Service Facilities  
 Conformity Mark Licenses  
 Certified Persons

Issue document:  
 New Certificate  
 New ExQAR details  
 New ExTR details

View by:  
 "UL" Certificates  
 "UL" Draft Certificates  
 Certificate ref. number  
 IECEx Cert. Body (ExCB)  
 ExCBs, QARs out of date  
 ExCBs, CoCs with QAR out of date  
 Applicant

EXAMPLE ONLY





# ExCB view - CoCs with QARs out of date

UL LLC | Logout

## 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](#) > [Listing](#)

View by CoC having outdated QAR : (UL)

[Previous Page](#) | [Next Page](#) | [First Page](#) | [Last Page](#) | [Expand](#) | [Collapse](#)

CoC Number	QAR Number	Valid U	Issue
<input type="checkbox"/> IECEx UL 06.0002U issue 1			
<input type="checkbox"/> IECEx UL 06.0002U issue 0			
<input type="checkbox"/> IECEx UL 06.0011U issue 2			
<input type="checkbox"/> IECEx UL 06.0011U issue 1			
<input type="checkbox"/> IECEx UL 06.0011U issue 0			
<input type="checkbox"/> IECEx UL 07.0008 issue 3			
<input type="checkbox"/> IECEx UL 07.0008 issue 2			
<input type="checkbox"/> IECEx UL 07.0008 issue 1			
<input type="checkbox"/> IECEx UL 07.0008 issue 0			
<input type="checkbox"/> IECEx UL 08.0021 issue 1			
<input type="checkbox"/> IECEx UL 08.0021 issue 0			
<input type="checkbox"/> IECEx UL 09.0025 issue 3			
<input type="checkbox"/> IECEx UL 09.0025 issue 2			
<input type="checkbox"/> IECEx UL 10.0010X issue 1			
<input type="checkbox"/> IECEx UL 10.0010X issue 0			
<input type="checkbox"/> IECEx UL 10.0013X issue 0			
<input type="checkbox"/> IECEx UL 10.0028X issue 0			
<input type="checkbox"/> IECEx UL 11.0020X issue 0			
<input type="checkbox"/> IECEx UL 11.0032X issue 2			
<input type="checkbox"/> IECEx UL 11.0032X issue 1			
<input type="checkbox"/> IECEx UL 11.0032X issue 0			
<input type="checkbox"/> IECEx UL 13.0050 issue 0			

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- iecx.iec.ch:
  - Home / Search
  - Certified Service Facilities
  - Conformity Mark Licenses
  - Certified Persons
- Issue document:
  - New Certificate
  - New ExQAR details
  - New ExTR details
- View by:
  - "UL" Certificates
  - "UL" Draft Certificates
  - Certificate ref. number
  - IECEX Cert. Body (ExCB)
  - ExCBs, QARs out of date
  - ExCBs, CoCs with QAR out of date
  - Applicant

EXAMPLE ONLY



# 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.*



## “User Friendliness” – NEW TOOLS

- improved search tools and capabilities for On-Line CoC System
  
- Certificate layout improvement – *some ideas*
  
- Decision Sheet vs Standard Index
  
- In addition to:
  - IECEx Mobile Device Apps V2.0
  - IECEx On-line System Training Videos



# IECEx Public Search Tool

## WHY

- Response to requests for 'advanced search capability' via multiple criteria (increasing use as "Buyers Guide")
- Accommodate changes to and additions of web browsers
- Improved security of on-line Certificates and supporting documents
- Properly paginated copies of Certificates with merged Annex as a single secured document (no need for Adobe Acrobat installation)

## ***IMPACT on ExCB and ExTL Facilities and Tools***

- **NIL** .... you still have access via login (refer emails and OD 011-2 update) to original system



# IECEX Public Search Tool



CERTIFIED EQUIPMENT CONFORMITY MARK LICENSES CERTIFIED SERVICE FACILITIES CERTIFIED PERSONS TOOLS

Information

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

IECEX Certificates of Conformity Scheme enables:

IECEX Certification Bodies to issue new IECEX Certificates On-line.

Full Public access to consult, view and print issued IECEX Certificates.

[Click here for a link to the INSTRUCTIONS FOR USE.](#)

[Click here for a link to the original IECEX Certificate System menu.](#)

This facility will be maintained for a short time to allow users to transition to using this new Search Tool page.

For any questions, please contact Mr. Chris Agius, IECEX Secretary.



Enter your criteria

IECEX documents:

Certificates

Issued year:

- All -

Status:

- All -

ExCBs:

- All -

Certificate/ExTR/QAR number:

Standard:

Applicant/ Manufacturer:

- All -

Name:

For Ex Certificates only:

Equipment:

Type of protection:

Reset

Search



# IECEX Public Search Tool

Enter your criteria

IECEX documents:	Certificates	Issued year:	- All -	Status:	- All -
ExCBs:	- All -	Certificate/ExTR/QAR number:	BAS 16.0010	Standard:	
Applicant/ Manufacturer:	- All -	Name:			
For Ex Certificates only:	Equipment:		Type of protection:		

Total Certificates found : 1

Previous 1 Next

Certificate no.	Date	ExCB	Location	Equipment	Applicant	Standards	Files
IECEX BAS 16.0010X issue 0	2016-06-29	BAS	United Kingdom	DPI620G-IS Intrinsically Safe Calibrator and Communicator Series	Druck Limited	IEC 60079-0 (Ed.6.0), IEC 60079-11 (Ed.6.0)	





# IECEX Public Search Tool

Microsoft Store Products Support

Windows For business Learn Try Buy Deploy **Get help**

## Support for older versions of Internet Explorer ends

on January 12th, 2016

### What is end of support?

Starting from 12 January 2016, only the most current version of Internet Explorer available for a supported operating system will receive technical supports and security updates. Internet Explorer 11 is the last version of Internet Explorer, and will continue to receive security updates, compatibility fixes and technical support on Windows 7, Windows 8.1 and Windows 10.

Internet Explorer 11 offers improved security, increased performance, better backward compatibility and support for the web standards that power today's websites and services. Microsoft encourages customers to upgrade and stay up-to-date on the latest browser for a faster, more secure browsing experience.

 Read the [Windows lifecycle FAQ sheet](#) to learn more.

### What does this mean?

It means that you should take action. After 12 January 2016, Microsoft will no longer provide security updates or technical support for older versions of Internet Explorer. Security updates patch vulnerabilities that may be exploited by malware, helping to keep users and their data safer. Regular security updates help protect computers from malicious attacks, so upgrading and staying current is important.

 Learn more about [Security Threats](#)



# IECEx Public Search Tool

## FEEDBACK

- Highlighted previously unknown uses, expectations and 'work arounds' from 'unknown users' of the original On-line System
- Highlighted language and interpretation issues
- Highlighted an 'aversion to change' culture ... *"It's different and I don't like it .... No, I haven't tried to use it"*
- Highlighted some problems with current On-line Certificates content and preparation methods (eg. 'copy and paste in')
- Please attach Annexes as unsecured PDF files (refer OD 011-2, 1.2.23)

## NEXT ...

- Non-login access for non ExCB users .... To aid transition to new search tool for public users
- Further revision of OD 011-2 (as already linked from Public Search page)



# IECEx Public Search Tool

## EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

[REDACTED] have been designed for hazardous environments according to IEC standards 60079.0, 60079.1 and 60079.7 for use in Group I, Zone 1 applications. They provide:

- <!--[if !supportLists]--> <!--[endif]--> All the necessary outputs for powering lighting and other associated equipment and optional means to isolate each output.
- <!--[if !supportLists]--> <!--[endif]--> Single or three phase power distribution via feed through connection of the incoming power.
- <!--[if !supportLists]--> <!--[endif]--> Single or Dual power input circuits for redundancy.
- <!--[if !supportLists]--> <!--[endif]--> Optional phase rotation and and/or circuit rotation of the output power distribution
- <!--[if !supportLists]--> <!--[endif]--> Change over relay for swap over from A > B circuit of the designated outputs in the event of power loss of circuit A.
- <!--[if !supportLists]--> <!--[endif]--> The maximum internal dimensions of the enclosure are 750mm X 500mm X 150mm
- <!--[if !supportLists]--> <!--[endif]--> The minimum internal dimensions of the enclosures are 210mm X 210mm X 85mm.
- <!--[if !supportLists]--> <!--[endif]--> The enclosures are made from 304 or 316 grade Stainless Steel.

Refer to the Annex for more details



# IECEX PDF Validation Tool - PROPOSAL

Administrator |

## IECEX Certified Ex Equipment

edit | quit | print | **download pdf** | **validate pdf**

important inform

f Conformity

### IECEX Certificate of Conformity

**PROTECHNICAL COMMISSION**  
**e for Explosive Atmospheres**  
IECEX Scheme visit [www.iecex.com](http://www.iecex.com)

issue No.:0 | Certificate history:





# History View - Proposal

Certificate No.: IECEx DEK 14.0025X issue No.:24

Status: **Current**

Date of Issue: **2016-07-25** Page 1 of 4

Applicant: **Siemens AG**  
Östliche Rheinbrückenstraße 50  
76187 Karlsruhe  
**Germany**

Equipment: **SIMATIC Network Components Type RAP.-W ..., Type LAP.-W ..., Type EAP.-W ..., Type**  
**6GK. ..., Type W786 ... and Type WS-AP ...**

Optional accessory:

Type of Protection: **Ex nA**

Marking: Ex nA IIC T6...T4 Gc

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

- Certificate history:
- Issue No. 26\* (2016-8-11)
  - Issue No. 25 (2016-8-6)
  - Issue No. 24 (2016-7-25)
  - Issue No. 23 (2016-7-5)
  - Issue No. 22 (2016-6-27)
  - Issue No. 21 (2016-3-31)
  - Issue No. 20 (2016-2-18)
  - Issue No. 19 (2015-10-29)
  - Issue No. 18 (2015-10-7)
  - Issue No. 17 (2015-8-31)
  - Issue No. 16 (2015-8-7)
  - Issue No. 15 (2015-7-21)
  - Issue No. 14 (2015-7-3)
  - Issue No. 13 (2015-6-22)
  - Issue No. 12 (2015-5-19)
  - Issue No. 11 (2015-4-16)
  - Issue No. 10 (2015-3-18)
  - Issue No. 9 (2015-3-11)
  - Issue No. 8 (2015-2-12)
  - Issue No. 7 (2015-2-5)
  - Issue No. 6 (2015-2-4)
  - Issue No. 5 (2014-11-26)
  - Issue No. 4 (2014-11-13)
  - Issue No. 3 (2014-11-7)
  - Issue No. 2 (2014-10-9)
  - Issue No. 1 (2014-9-18)
  - Issue No. 0 (2014-8-9)



# History View - Proposal

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Certificate No.:	IECEX DEK 14.0025X	Issue No: 24	<u>Certificate history:</u>
Status:	<b>Current</b>	Page 1 of 4	<a href="#">Issue No. 24 (2016-07-25)</a>
Date of Issue:	<b>2016-07-25</b>		<a href="#">Issue No. 23 (2016-07-05)</a>
Applicant:	<b>Siemens AG</b> Östliche Rheinbrückenstraße 50 76187 Karlsruhe <b>Germany</b>		<a href="#">Issue No. 22 (2016-06-27)</a>
Equipment:	<b>SIMATIC Network Components Type RAP.-W ..., Type LAP.-W ..., Type EAP.-W ..., Type 6GK. ..., Type W786 ... and Type WS-AP ...</b>		<a href="#">Issue No. 21 (2016-03-31)</a>
			<a href="#">Issue No. 20 (2016-02-18)</a>
			<a href="#">Issue No. 19 (2015-10-29)</a>
			<a href="#">Issue No. 18 (2015-10-07)</a>
			<a href="#">Issue No. 17 (2015-08-31)</a>
			<a href="#">Issue No. 16 (2015-08-07)</a>
			<a href="#">Issue No. 15 (2015-07-21)</a>
			<a href="#">Issue No. 14 (2015-07-03)</a>





# IECEX Decision Sheet vs Standard Index

IECEX ExTR and Decision Sheet Cross References			<i>Last updated on:</i>	5/08/2016		
Standard and Version / Document / Topic	Clauses of Standard	Decision Sheet	Key Words	ExTR #		
All IECEx base Standards	All as relevant	2014/001	Specification of plastic material in enclosure			
IEC 60034-5: *	8	2012/003	Dust			
IEC 60079-0: *	All	2015/011	Thermocouples			
IEC 60079-0: *	26.4.5	2012/003	Dust			
IEC 60079-0:2000	7.1.1 and 7.1.2(d)	2004/005	Elastomeric, O-rings			
IEC 60079-0:2004	23.2 and Table 7	2006/007	Cells, Lithium			
IEC 60079-0:2004	3.6	2013/004A	Ex component, bushing			
IEC 60079-0:2004	26.10.2	2012/011	Electrostatic charge, non-metallic enclosures, touch screen, fixed installation, "X" condition marking			
IEC 60079-0:2004	7.1.1 and 7.1.2(d)	2004/005	Elastomeric, O-rings			
IEC 60079-0:2004	26.15.1	2009/001B	Electrostatic charge, non-metallic enclosures, measurement of			



*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