ExMC/957/DV
September 2014

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC SYSTEM FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)

TITLE: IECEx Assessment Report for the acceptance of KIWA Nederland B.V to participate as an Accepted Certification Body, ExCB, and an Accepted Test Laboratory, ExTL, in the IECEx System, Equipment Scheme, 02.

INTRODUCTION

This document contains the IECEx Assessment Report for the acceptance of **KIWA Nederland B.V** to become an Accepted Certification Body, ExCB, and an Accepted Test Laboratory, ExTL, within the IECEx Equipment Scheme, 02.

The report is hereby submitted for voting by the ExMC.

Please consider the assessment report and return the completed voting form to the Secretariat by **2014 10 10.**

Your speedy response to the voting process will be very much appreciated.

Chris Agius

IECEx Secretariat

Address: **Level 33, Australia Square** **264 George Street** **Sydney NSW 2000** **Australia**	**Contact Details:** **Tel: +61 2 46 28 4690** **Fax: +61 2 46 27 5285** **e-mail:chris.agius@iecex.com** **http://www.iecex.com**

IEC System for certification to standards relating to equipment for use in Explosive Atmospheres (IECEx System)

IECEx Assessment Report Form

IECEx Assessment Report Form for use by IECEx Assessment Teams to report Assessments conducted according to the IECEx Assessment Procedures of

a) Operational Document IECEx OD 003-2 for the Certified Equipment Scheme
b) Operational Document IECEx OD 016 for the Certified Service Facility Scheme
c) Operational Document IECEx OD 022 for the IECEx Conformity Mark Licensing System

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IECEx ExCB/ExTL assessment report for KIWA Nederland B.V.

CONTENTS

1 Assessment information

1.1 Type of Body covered by this assessment: <retain appropriate marks>

ExCB for IECEx Certified Equipment Scheme	✓
ExTL for IECEx Certified Equipment Scheme	✓
ExCB for IECEx Certified Service Facilities Scheme	
ExCB for IECEx Conformity Mark Licensing System	

NOTE 1 ExCB - IECEx Certification Body

NOTE 2 ExTL - IECEx Testing Laboratory

1.2 Type of assessment: <retain appropriate marks>

Pre-assessment for candidate body	
Initial assessment for candidate body	✓
Surveillance	
Re-assessment	
Scope extension	

1.3 Details of body

1.3.1 Country

The Netherlands

1.3.2 Name of body

KIWA Nederland B.V.

1.3.3 Name and title of nominated principal contact

Name	Title	E-mail address
Kees van Es	Certification Officer	a) kees.van.es@kiwa.nl

1.4 Assessment information

1.4.1 Members of the assessment team

Name	Role (modify as necessary)
Ron Webb	Lead Assessor
Bernard Piquette	Expert Assessor

1.4.2 Place(s) of assessment

Wilmersdorf 50, 7327 AC Apeldoorn, The Netherlands

1.4.3 Assessment date(s)

7-9 July 2014

1.5 Application information

Date of application: November 26, 2013

1.6 Scopes

1.6.1 ExCB scope for equipment certification scheme

Number	Title
IEC 60079-0 Edition 5, 6	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 Edition 5, 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”

IEC 60079-2 Edition 5	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure «p»
IEC 60079-5 Edition 3	Explosive atmospheres - Part 5: Equipment protection by powder filling «q»
IEC 60079-6 Edition 3	Explosive atmospheres - Part 6: Equipment protection by oil immersion «o»
IEC 60079-7 Edition 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 60079-11 Edition 5, 6	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
IEC 60079-15 Edition 3, 4	Explosive atmospheres – Part 15: Equipment protection by type of protection "n"
IEC 60079-18 Edition 2, 3	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
IEC 60079-25 Edition 2	Explosive atmospheres – Part 25: Intrinsically safe electrical systems
IEC 60079-26 Edition 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
*IEC 60079-27 Edition 2	Explosive atmospheres – Part 27: Fieldbus intrinsically safe concept (FISCO)
IEC 60079-28 Edition 1	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-31 Edition 1, 2	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

NOTE 1 Standards shown with an asterisk (*) are superseded standards

NOTE 2 Unless otherwise indicated, earlier editions of standards (even if with a different number) are considered to be covered in the above scope for the purposes of the assessment.

NOTE 3 The above list highlights any extension of scope in the list above for new standards or later editions of standards already in scope.

1.6.2 ExTL scope

The ExTL scope is the same as for the ExCB.

1.6.3 ExCB scope for Service Facilities Scheme

Not applicable

1.6.4 ExCB scope for ExMark Scheme

Not applicable

2 Common information

2.1 Legal entity of body

Kiwa Nederland B.V. is a limited liability company organized under the laws of The Netherlands, located in Rijswijk, NL. The ExCB and ExTL are located in Apeldoorn. The holding company is Acta Holding B.V.

2.2 Financial support

Kiwa Nederland B.V. derives its funding from the charges for its services

2.3 History

Kiwa, formerly an acronym for Keurings Instituut voor Waterleiding Artikelen (Testing Institute for Water Supply Articles) was founded in 1948 with the objective to take care of the quality of drinking water. For this purpose quality standards were developed for articles such as pipes, fittings and faucets. Over the years, Kiwa has also focussed on certifying and inspecting products that are intended for use in the building trade. In 2005, Kiwa took over Gastec in Apeldoorn, the former GIVEG. The GIVEG approval mark used to be the approval mark for gas appliances in the Netherlands. Nowadays Kiwa Gastec focuses its gas expertise on the following areas: Gas Appliances, Gas Distribution Systems, Gas Quality and Quantity Measurements and Safety Gas Installations. Afterwards several acquisitions are made, mainly in Germany, Italy and Spain.

Kiwa's main activities are now:

Certification (products, management systems, persons) Testing (laboratory) Inspecting (field work)

In addition in June 2014 Kiwa was appointed as Notified Body under the ATEX Directive

2.4 Documentation

2.4.1 Quality manual

The quality management system (QMS) consists of 6 levels:

- Corporate Manual Kiwa (CMK)
- Operation Manual Kiwa (OM)
- Quality Plan Kiwa ExVision (Q-Plan)
- Manual ATEX and IECEx 02 – Product Certification
- Manual ATEX and IECEx 02 – Audits
- Forms

2.4.2 Procedures

The additional ATEX- and IECEx requirements are included in:

- ATEX-/IECEx 02 Manual Product Certification
- ATEX-/IECEx 02 Audit Manual

These procedures were reviewed and found to meet the requirements of IECEx e.g. IECEx 02, OD 009, OD 025 and other relevant IECEx ODs

2.4.3 Work instructions

Reference to the relevant Work Instructions like Lab Work Forms is made in the ATEX/IECEx 02 Manuals
Form 651 lists the relation between clauses including tests of the different standards, the related Laboratory Work Forms and the tools are used for the tests and the limitations
Form 01-03: List of approved Laboratory Work Forms

2.4.4 Records (including test records where relevant)

All of Kiwa ExVision project documents are stored electronically. The process is described in CMK 9.2.6.
Q-Plan ExVision (Document 11, section 2) and Manual Product Certification (Document 12, section 16) refer to the retention time of documents in common and for project files in particular. Q-Plan ExVision refers to CMK (Corporate manual Kiwa), that you probably have and in any case have seen.

NOTE 1 Example records should be sought of oldest records both in electronic and hard copy to test the retrieval and existence of records, including archival records.

NOTE 2 Information should be sought on whether there is a method of secure disposal of hard copy records once they have been placed on an electronic system.

2.4.5 Document change control

Carried out according to Corporate Manual Kiwa CMK 9.2.6: Document Control / Control of Records. This also includes how KIWA keep up to date with latest and revised IECEx documents and procedures.

2.5 Confidentiality

According to Corporate Manual Kiwa CMK 1.4.1: Integrity, Impartiality Confidentiality.

Evidence was provided the members are signing appropriate agreements relevant to confidentiality ad conflict of interest. Signed documents from staff were seen

2.6 Publications (Hard cover and Electronic)

According to Corporate Manual Kiwa CMK 9.5: Corporate Communications

Information is provided on the Kiwa website http://www.kiwa.nl/

2.7 Recognition and agreements

There are no agreements in the Ex field and not foreseen in the near future.

2.8 Internal audit and periodic management review

According to Corporate Manual Kiwa CMK 9.2.3: Management review and CMK 9.2.4:

The minutes of the management review meeting held on 21 April 2014 were viewed. Items such as ATEX and IECEx were mentioned.

The notes of the internal audit carried out on 6/7 February 2014 were viewed. All NCRs were addressed and cleared.

2.9 Contracting, subcontracting, use of other labs and use of other locations

According to Operation Manual Kiwa OM 4.7: Outsourcing.

There is no subcontracting in the Ex field and also not foreseen in the near future.

A new spark test apparatus has been ordered at IECEx CB/TL PTB in Germany. The STA will be delivered by the end of 2014. Until final delivery there is an agreement between Kiwa and PTB that qualified Kiwa personnel can make use of the PTB's spark test apparatus on-site in Braunschweig.

Q-Plan section 6 covers off site testing to OD024.

2.10 Training and competence

According to Operation Manual OM 4.1: Qualification of Staff.

Additional ATEX-/IECEx training is carried out according to ATEX-/IECEx 02 Manual Product Certification and ATEX-/IECEx 02 Audit Manual

2.11 Complaints and appeals (including appeals to IECEx)

According to Corporate Manual Kiwa CMK 9.2.5: Complaints, appeals, disputes. At the time of the assessment there were no complaints nor appeals noted

2.12 Special facts to be noted

2.12.1 Supporting documentation

Copies of additional supporting information for this assessment have been provided to the applicant and the IECEx Secretariat. These are included in a site assessment report and include:

- Details of issues raised and how these have been resolved
- Checklist for ISO/IEC Guide 65
- Checklist for ISO/IEC 17025
- Completed Technical Capability Document
- Photos of the facilities/tests witnessed
- Assessors' notes

2.13 Recommendations

Based on the assessment performed on 7-9 July 2014, KIWA Nederland BV is recommended for acceptance in the IECEx scheme as:

- An ExCB in the IECEx Certified Equipment Scheme
- An ExTL in the IECEx Certified Equipment Scheme

That in noting Kiwa Nederland B.V. as an Ex Test Lab and Certification Body does not have a much past experience, the fact that they have acquired the following staff: Kees van Es, Harry de Wild and Bert Vries with a combined experience of more than 70 years in Ex and also IECEx during their previous employment at a combined ExCB/TL, the assessment team recommends acceptance of Kiwa Nederland B.V. on the basis that they be subjected to annual surveillance visits for the next 2 years and if satisfactory then revert to the usual surveillance visit arrangements according to OD 003-2.

This annual surveillance is required, even though Kiwa has the appropriate National Accreditation which would normally avoid this requirement

This is according to the scope of the standards listed in this document.

Ron Webb	**Bernard Piquette**	
Lead Assessor	**Expert Assessor**	

Date: 29 August 2014

3 ExCB for IECEx Certified Equipment Scheme

3.1 Assessment references

a) IECEx02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure

b) OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme

c) OD005-1 IECEx Quality System Requirements for Manufacturers – Part 1: Guidance on the establishment and maintenance of a quality system

d) OD005-2 IECEx Quality System Requirements for Manufacturers – Part 2: Audit Checklist. (This is available in a Word format for use by ExCBs)

e) ISO/IEC 80079-34 Edition 1, Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture

f) OD009 Issuing of CoCs, ExTRs and QARs

g) IECEx Document OD 025 Guidelines on the Management of Assessment and Surveillance programs for the assessment of Manufacturer's Quality Systems in accordance with the IECEx Scheme

h) OD0026 IECEx Certified Equipment Scheme – Guidelines for the qualification of Lead Auditor and Auditors, in accordance with the IECEx System

i) ISO/IEC Guide 65:1996, Edition 1, General requirements for bodies operating product certification systems

j) IECEx Document OD17 Drawing and documentation guidance

k) IECEx Technical Capability Documents (TCDs)

l) ExTAG decision sheets (DSs)

m) ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied

3.2 Candidate ExCB persons interviewed

Name	Position
Pieter van Breugel	Manager
Kees van Es	Certification Officer
Bert Vries	Lead Auditor

3.3 Associated ExTL(s)

The ExTL is integral with the ExCB

3.4 Associated certification functions

Kiwa Nederland B.V. operates according to the European Union Directives as a Notified Body for 2009/142/EC, 92/42/EEC, 2006/95/EC and 2004/108/EC.

Kiwa Nederland B.V. has been notified under the ATEX Directive 94/9/EC. The NB number is 0620 and is shown as being registered at the address in Rijswijk. The Rijswijk address is the head office of Kiwa Nederland B.V.

Kiwa also issues certificates in a number of fields, including household, commercial and industrial products, assessment and certification of Quality Management Systems and Personnel Certification. It also issues approval marks for local requirements like Kiwa®, Gastec QA®, Gaskeur® and Zonnekeur® which are not used for Ex products

3.5 National marks and certificates

None as Kiwa operates in the ATEX Directive.

3.6 Standards accepted

See clause 1.6 of this report

3.7 National differences to IEC standards

National differences to IEC standards are those for the European differences listed in the latest version of the IECEx Scheme Bulletin.

3.8 Organisation

3.8.1 Names, titles and experience of the senior executives

Name	Title	Experience
Pieter van Breugel	Manager	20 years

3.8.2 Name, title and experience of the quality management representative

Name	Title	Experience
Nancy Bijlemeer	Quality Manager	15 years
Marc van Berkel	Corporate Quality Manager	15 years

3.8.3 Name and title of signatories for certification

Name	Title	Comments
Pieter van Breugel	Certification Officer	
Kees van Es	Certification Officer	
Harry de Wild	Certification Officer	

3.8.4 Other employees in ExCB activity

Name	Title	Responsibility and Experience in Ex
Bert Vries	Lead Auditor	23 years

3.9 Organizational structure

See Annexes A and B

3.10 Administration

3.10.1 Administrative structure

An effective administration team is in place

3.10.2 Indemnity insurance

The insurance certificate from Central Beheer covering Acta Holding B.V. was viewed.

Acta holdings is the organisation that ‘owns’ KIWA – see Annex A

It was valid from 1 January 2014 for 1 year. It covers, amongst other things, professional indemnity and has a suitable value.

3.11 Resources

Adequate physical resources are available

The technical staff are listed in the tables in this report

For the activities, as part of the Kiwa organization, the following departments are used (each with at least one person):

1) - Project administration

2) - Human resources
3) - Finance department (invoice and salary)
4) - incoming goods (incoming samples and sample administration)
5) - quality management (responsible for the Kiwa Quality Management system)
6) - ict for the document management system and administrative systems

3.12 Committees (such as governing or advisory boards)

There is an advisory board committee

3.13 Certification operations

3.13.1 National approval/certification methods

Notified body number 0620 for ATEX since mid June 2014

3.13.2 Certification policy

Covered within Manual ATEX and IECEx 02 – Product Certification

3.13.3 Application for certification

Following a request for certification the client is sent an application form which makes reference to the terms and conditions including those of IECEx

3.13.4 Certification decision

This is the task of the Certification Officer as indicated in 5.1 of Manual ATEX and IECEx 02 – Product Certification . Job progress form 151 is used online within the intranet to track job progress.

3.13.5 Suspension and cancellation of certificates

Section 15 of Kiwa Regulations for Product Certification

3.14 Certificates issued

Kiwa has acquired the following staff:
Kees van Es, Harry de Wild and Bert Vries with a combined experience of more than 70 years in Ex and also IECEx during their previous employment at a combined ExCB/TL. Kiwa has, in mid June 2014, been notified under the ATEX Directive. One complete job could be reviewed since it has resulted in an ATEX EC-Type Examination Certificate for an intrinsically safe temperature transmitter. A second ATEX certificate has subsequently been issued. Several other jobs have been reviewed which were in progress or in a final stage, e.g. reference pressure tests for a manufacturer of level transmitters, flame propagation tests for a manufacturer of flowmeters, evaluation of the pressurized enclosure part of a fuel dispenser and intrinsically safe battery tests for a manufacturer of cell phones.
Kiwa also participates in the Proficiency Testing Program run by PTB and the results of the reference pressure- and flame transmission tests and temperature classification tests have been reviewed and found to be comparable with the mid range results to be expected.

3.15 National accreditation

3.15.1 ISO Guide 65

Kiwa has been assessed by RvA to the requirements of ISO Guide 65 with registration C002 valid until 1 January 2018. This covers ATEX requirements. This covers the ExCB activities.

The front page of the certificate is shown in Annex C.

3.15.2 ISO IEC 17021

Kiwa is accredited by RvA to the requirements of ISO/IEC 17021 with registration C025 valid until 1 January 2017. This covers the ExCB activities

The front page of the ISO/IEC 17021 certificate is shown in Annex E.

3.16 Assessment of manufacturers and issue of QARs

Covered within Manual ATEX and IECEx 02 Audits. No assessments have yet been carried out.

The Lead Assessor, Bert Vries, has carried out IECEx / ATEX assessments during the last 17 years in his previous employment at an ExCB/TL and has trained national and international Lead Assessors.

3.17 Comments (including issues found during assessment)

An issue regarding confidentiality for the advisory board committee was noticed. This was resolved to the satisfaction of the assessment team before the end of the assessment.

4 ExTL for IECEx Certified Equipment Scheme

4.1 Assessment references

n) IECEx02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure

o) IECEx OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme

p) IECEx OD009 Issuing of CoCs, ExTRs and QARs

q) ISO/IEC 17025:2005 Edition 2, General requirements for the competence of testing and calibration laboratories

r) IECEx Document OD17 Drawing and documentation guidance

s) IECEx Technical Capability Documents (TGDs)

t) ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied.

4.2 Candidate ExTL persons interviewed

Name	Position
Kees van Es	Senior Approval Engineer
Bert Vries	Senior Approval Engineer
Harry de Wild	Senior Approval Engineer
Lisette van Deelen	Senior Approval Engineer

4.3 Associated ExCB(s)

The ExCB is integral with the ExTL

4.4 Organisation

4.4.1 Names, titles and experience of the senior executives

Name	Title	Experience
Pieter van Breugel	Manager	20 years

4.4.2 Name, title and experience of the quality management representative

Name	Title	Experience
Nancy Bijlemeer	Quality Manager	15 years
Marc van Berkel	Corporate Quality Manager	15 years

4.4.3 Other employees in ExTL activity

Name	Title/responsibility	Experience in Ex
Kees van Es	Senior Approval Engineer	30 years in Ex
Harry de Wild	Senior Approval Engineer	20 years in Ex
Bert Vries	Senior Approval Engineer	23 years in Ex
Pieter Meijberg	Approval Engineer	5 years in testing / 0.5 years in Ex
Bas van den Bogaard	Approval Engineer	8 years in testing
Lisette van Deelen	Senior Approval Engineer	14 years in testing / 8 years in Ex

4.5 Organizational structure

See Annex A and B

4.6 Resources

Adequate resources are available

4.7 Test reports issued

Kiwa has acquired the following staff:
Kees van Es, Harry de Wild and Bert Vries with a combined experience of more than 70 years in Ex and also IECEx during their previous employment at a combined ExCB/TL. Kiwa has, in mid June 2014, been notified under the ATEX Directive. One complete job could be reviewed since it has resulted in an ATEX EC-Type Examination Certificate for an intrinsically safe temperature transmitter. A second ATEX certificate has subsequently been issued. Several other jobs have been reviewed which were in progress or in a final stage, e.g. reference pressure tests for a manufacturer of level transmitters, flame propagation tests for a manufacturer of flowmeters, evaluation of the pressurized enclosure part of a fuel dispenser and intrinsically safe battery tests for a manufacturer of cell phones.

Kiwa also participates in the Proficiency Testing Program run by PTB and the results of the reference pressure and flame transmission tests and temperature classification tests have been reviewed and found to be comparable with the mid range results to be expected.

4.8 National accreditation

4.8.1 ISO/IEC 17025

Kiwa is accredited by RvA to the requirements of ISO/IEC 17025 with registration L248 valid until 1 October 2014. The scope did not specifically include Ex product. An additional audit for an extension for Ex was carried out by RvA on 3 July 2014 to enable the test procedures covering the IECEx scope to be added. Extension with the IECEx scope is expected before the end of 2014.

The front page of the ISO/IEC 17025 certificate is shown in Annex D.

4.9 Calibration

All equipment used for tests is calibrated. Calibrations are either outsourced to an accredited laboratory on carried out in-house.

Kiwa participates in the Proficiency Testing Program run by PTB. The test samples, which are provided by PTB, can be kept by the participating ExTL's.
Kiwa has used these test samples to validate the new test set-ups and will use these samples as certified reference samples (CRM's) for quality control.

4.10 Comments (including issues found during assessment)

The job file reviewed (ATEX) used the IECEx Style of reporting. It was noted that many of the clauses were only marked 'pass' or 'N/A'. Procedures were amended to require that all answers be justified, even the 'N/A' ones.
Short circuit testing of a battery was not being performed with sufficiently low resistance cables. This was amended.
Both issues were resolved to the satisfaction of the assessment team before the end of the assessment

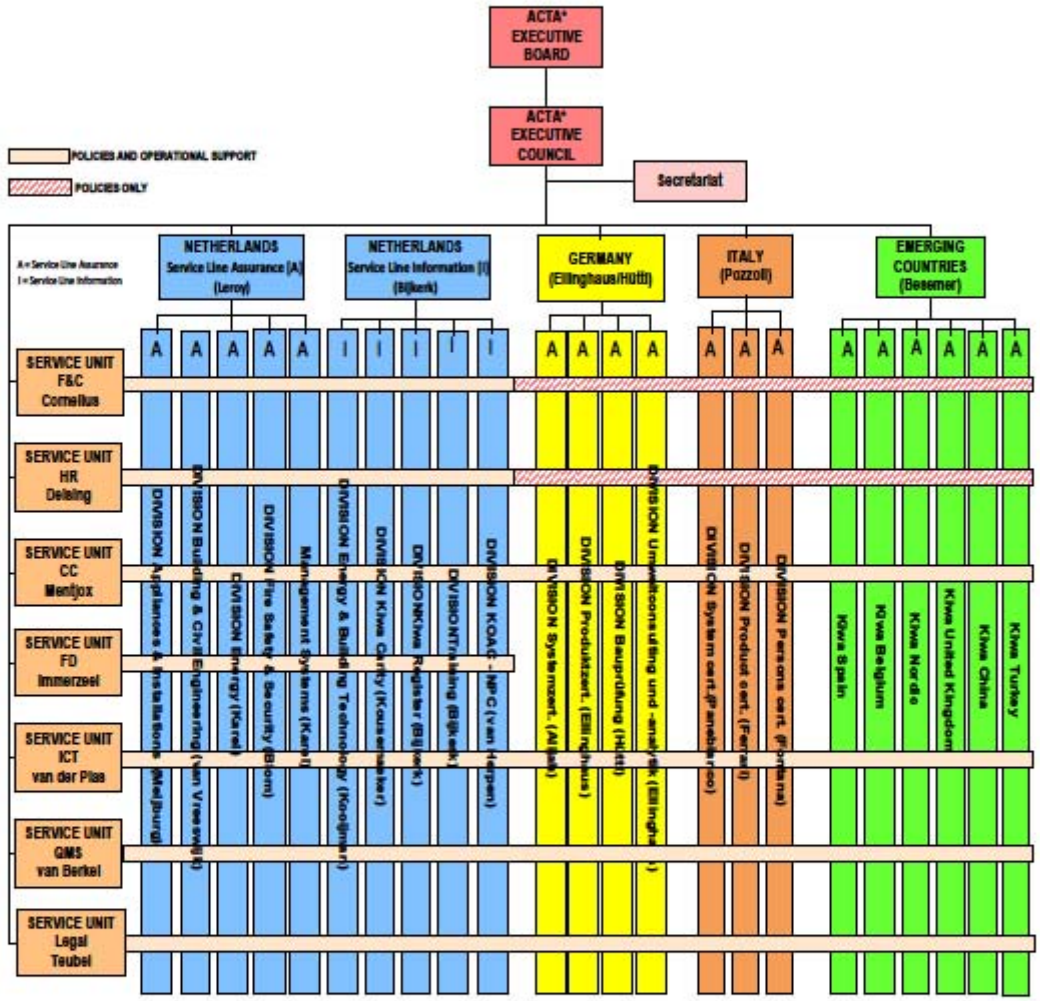
4.11 Tests witnessed

IP6X/5X tests according to IEC 60079-0 and -31
Pressure test for Ex t according to IEC 60079-31
Temperature rise test of a luminaire according to IEC 60079-0
Temperature classification test set-up according to the PTB Proficiency Testing Program
Electrolyte leakage test for a cell or a battery according to IEC 60079-11
Dielectric strength test on encapsulation material according to IEC 60079-18
Surface resistance test of a non-metallic enclosure according to IEC 60079-0
Reference pressure tests according to IEC 60079-1
Flame propagation tests according to IEC 60079-1
Reference pressure- and flame propagation test set-up according to the PTB Proficiency Testing Program

All tests were performed satisfactorily

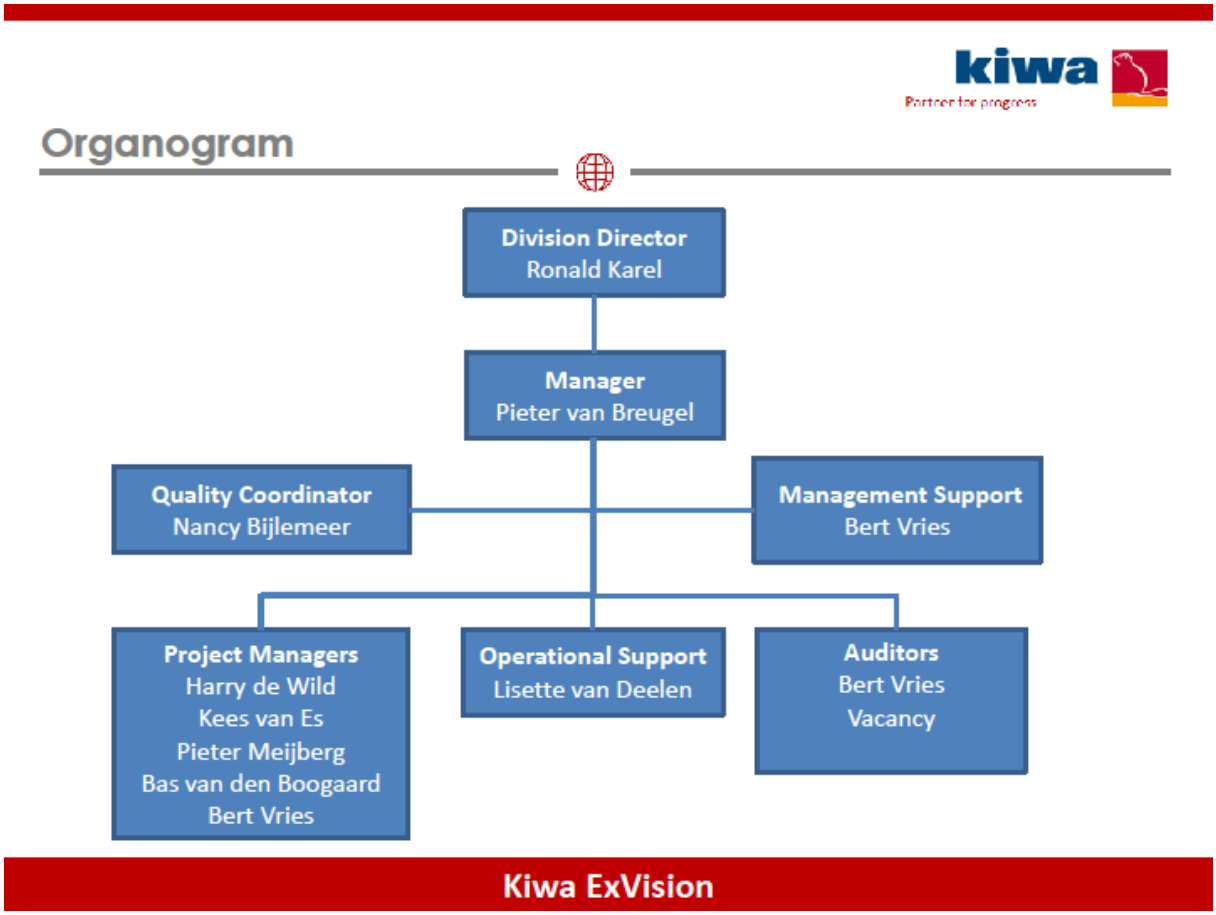
Annex A
Overall Organisation Chart

Organization Structure
In the figure below, the top level structure of the Kiwa organization is shown. The country organization can be recognized by separated colors. The main activities are organized in Divisions. The concern staff (Service units) is giving directives and are supporting the divisions.



KIWA COUNTRY ORGANIZATION (operational view)

Annex B
Organisation Chart of ExCB and ExTL



Annex C
Accreditation Certificate for Product Certification

RAAD VOOR ACCREDITATIE

Dutch Accreditation Council RvA
PO Box 2768 NL-3500 GT Utrecht

The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

Kiwa Nederland B.V.
Rijswijk

The organisation has demonstrated to be able to perform certification of products, in a competent, consistent and impartial manner.

This accreditation is based on an assessment against the requirements as laid down in NEN-EN 45011:1998, ISO/IEC Guide 65:1996.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements.

This accreditation with registration number:

C 002

is granted on 18 December 2013

This declaration is valid until
1 January 2018

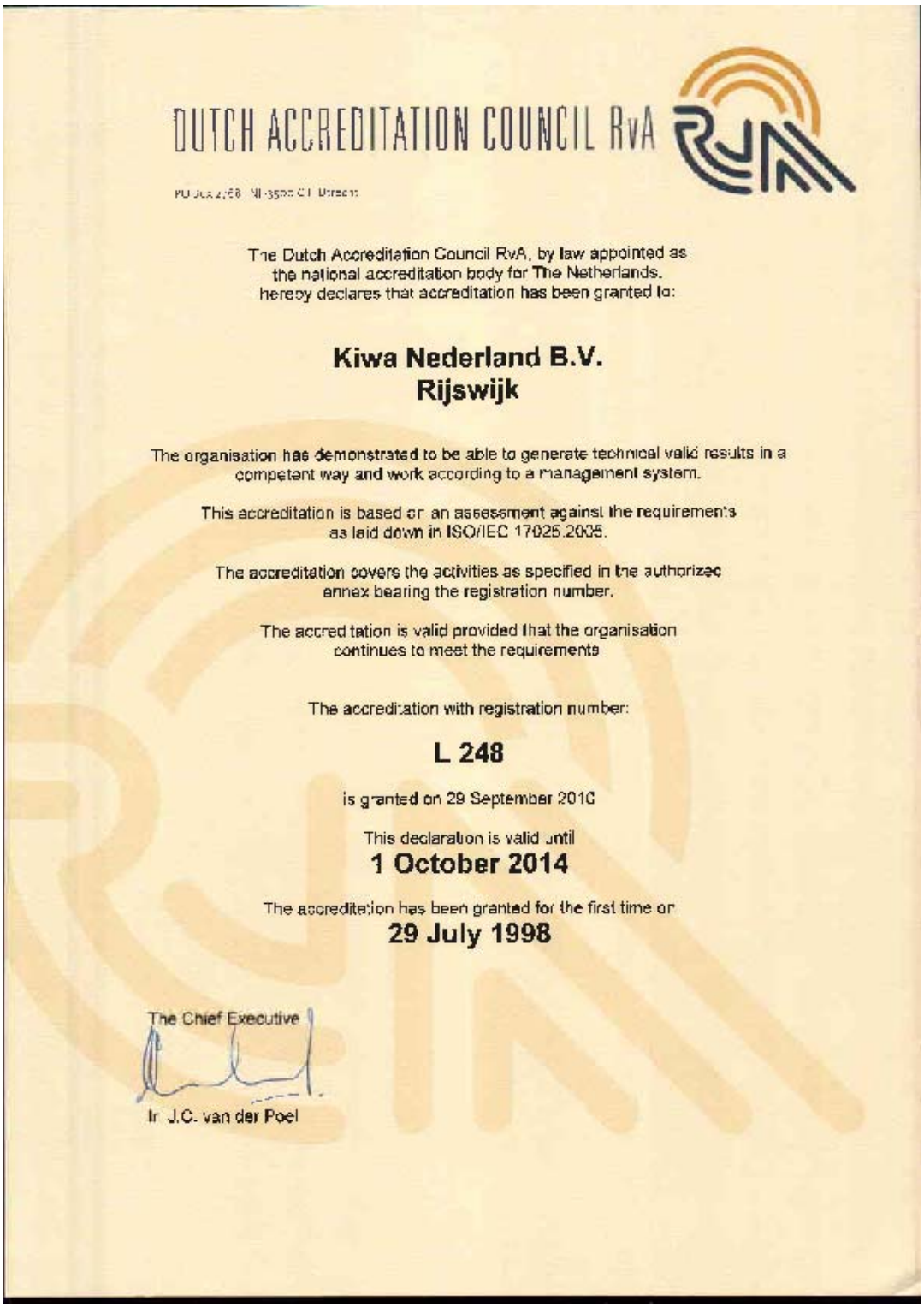
The accreditation has been granted for the first time on
22 October 1984

The Chief Executive

Ir. J.C. van der Poel

The Dutch Accreditation Council (RvA) is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement for accreditation in this field.

Annex D
Accreditation Certificate to ISO/IEC 17025



DUTCH ACCREDITATION COUNCIL RvA

PO Box 2768 NL-3500 CT Utrecht

The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

Kiwa Nederland B.V.
Rijswijk

The organisation has demonstrated to be able to generate technical valid results in a competent way and work according to a management system.

This accreditation is based on an assessment against the requirements as laid down in ISO/IEC 17025:2005.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements

The accreditation with registration number:

L 248

is granted on 29 September 2010

This declaration is valid until
1 October 2014

The accreditation has been granted for the first time on
29 July 1998

The Chief Executive

Ir. J.C. van der Poel

Annex E
Accreditation Certificate to ISO/IEC 17021

RAAD VOOR ACCREDITATIE

Dutch Accreditation Council RvA
PO Box 2768 NL-3500 GT Utrecht

The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

Kiwa Nederland B.V.
Rijswijk

The organisation has demonstrated to be able to perform management system certification in a competent, consistent and impartial manner.

This accreditation is based on an assessment against the requirements as laid down in ISO/IEC 17021:2011.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements.

The accreditation with registration number:

C 025

is granted on 26 February 2014

This declaration is valid until
1 January 2017

The accreditation has been granted for the first time on
13 October 1989
for: ISO/IEC Guide 62 (C025)
and
1 January 1998
for: ISO/IEC Guide 66 (C386)

The Chief Executive

Ir. J.C. van der Poel