



Secretariat

ExMC/176/Inf  
2003 09

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### IEC SCHEME FOR CERTIFICATION TO STANDARDS FOR ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES (IECEx SCHEME)

#### CIRCULATED TO: ExMC

Title: IECEx Assessor Application

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#### Introduction

An application for the appointment of Mr Heinz Berger as an IECEx Assessor has been received.

The Chairman of the IECEx Assessor Panel, Mr Jim Munro, and the IECEx Secretary, have reviewed the attached Assessor application and recommend the acceptance of Mr Heinz Berger under the categories of C and Q.

C Product Certification

Q Quality Assessment

The document is issued for your information.

Accordingly, ExMC will be required to consider the acceptance of Mr Heinz Berger as an IECEx Assessor during the ExMC October 2003 Budapest meeting

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Australia

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## IECEx Assessor Questionnaire

Surname	B E R G E R	Forename	Heinz S.	Title (Mr, Ms, Dr etc)	Dipl ing. FH
Address	Gofritstrasse 9, Wichtrach				
Country	Switzerland	Area/Zip/Postal Code	3114		
Telephone	+41 31 781 37 60	Fax	+41 781 18 19	E mail	info@certiconsult.ch

### Education:

Date	Qualification
<b>See CV attached</b>	

### Current CV to be attached

### Membership of Professional Bodies

Date	Body	Grade of membership
	Swiss Engineering STV	Member
	Institute of Electrical and Electronics Engineers IEEE	Membership cancelled
	Institute of Environmental Sciences and Technologies IEST	Membership cancelled

### Training:

Date	Training Provider	Course Title	Duration
	<b>See attached sheet "Assessment Experience" and attached CV</b>		

### Experience

Dates (from/to)	Employer	Type of Business	Duties
	<b>See attached sheet "Assessment Experience" and attached CV</b>		

### Assessment/audit experience

Number of external assessments/audits carried out in past two years

### Lead Auditor

**See attached sheet "Assessment Experience" and attached CV**

### Auditor

### Expert

Number of external assessments/audits days in past two years relevant

**See attached sheet**

to assessment of Ex certification bodies and testing laboratories

**“Assessment  
Experience” and  
attached CV**

**Referees who may be contacted to ascertain personal attributes and management capabilities relevant to assessment of IECEx certification bodies and testing laboratories (ISO 19011 : 2002 Clause 7)**

Surname	Agius	Title	
Forename(s)	Chris	Country	Australia
Address		Telephone	Fax

Surname	Klausmeyer	Title	
Forename(s)	Uwe	Country	Germany
Address		Telephone	Fax

The proposed daily fee for my service is CHF (Swiss Francs) **1,000 (Standard fee determined by the IECEx Scheme)**

The fees will be invoiced by me my company **X**

(Note: Fees are subject to acceptance by the Ex certification Committee and by applicants. Travel and living expenses will be reimbursed in addition to daily fees).

If appointed as an IECEx assessor I will conduct my work to the requisite standard of integrity, competence, impartiality and confidentiality.

I certify that the information given in this questionnaire is true and correct.

Signed: Heinz S. Berger

Date: August 10, 2003

Endorsed by IECEx Member Body

On behalf of the (country) member Body of the IECEx, I confirm that the details given in this questionnaire have been checked and found to be correct and has our support.

Signed:

Date:

Name:

Organisation: No IECEx national body in Switzerland

Assessment Experience of Heinz Berger, Switzerland					
<b>1. Activities as Lead Assessor (LA) or Assessor (A)</b>					
<b><u>Y &amp; M:</u></b>	<b><u>Scheme:</u></b>	<b><u>Organization assessed:</u></b>	<b><u>Task:</u></b>	<b><u>Type of Assessment:</u></b>	<b><u>Remarks:</u></b>
2000 / 11	CB and European	ÖVE, Vienna, Austria	LA	Re-Assessment CB	
2000 / 11	CB and European	ARSENAL, Vienna, Austria	LA	Re-Assessment TL	
2000 / 11	IECQ	Gosstandard of Russia, Moscow	A	Re-Assessment CB	
2000 / 11	IECQ	Electronstandard, St. Petersburg, Russia	A	Re-Assessment CB	
2000 / 11	IECQ	Ekranas, Panevecis, Lithuania	A	Re-Assessment M	
2002 / 11	CB and European	Mettler Toledo, Nänikon, Switzerland	LA	Re-Assessment M	SMT Supervised Manufacturer Testing
2003 / 10	CB and European	CTI, Vienna, Austria	LA	Re-Assessment TL	Assessment scheduled
<b>2. Activities as Manager of Certification Body in SEV (Electrosuisse), Switzerland</b>					
<b><u>Y &amp; M:</u></b>	<b><u>Scheme:</u></b>	<b><u>Type of Assessment:</u></b>	<b><u>Remarks:</u></b>		
1999 / 11	CB and European	Re-Accreditation CB	First part		
2000 / 04	CB and European	Re-Accreditation CB	Second part		
2001 / 06	Swiss national	Re-Accreditation CB	Renewal of Swiss Accreditation SCES 035		
2001 / 06	Swiss national	EU Notified Body	Acceptance by the EU for ATEX, LVD, and EMC		
2001 / 06	CB scheme	MED extension	Extension to category MED		
2001 / 08		ISO 9000, ISO 14000			
2002 / 05	IECQ and CECC	Re-Accreditation CB			
<b>CB=Certification Body; TL=Test Lab; M=Manufacturer</b>					
<b>Education:</b> CB scheme Lead Assessor Training Course Geneva March 2002; One week training course in Ex (general and testing), Budapest June 2002					
August 10, 2003 / Heinz Berger					

## **Curriculum Vitae**

### **Heinz S. Berger**

born March 11, 1947, Bern, Switzerland

married, two sons 1977 / 1979

dipl. Ing. FH

Gofritstrasse 9

CH - 3114 Wichtrach

Switzerland

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Fax (office): +41 31 / 781 18 19

Mobile: +41 79 / 652 34 93

E-Mail: [info@certiconsult.ch](mailto:info@certiconsult.ch)

## **1. Professional experience**

**July 2003 - CERTICONCONSULT GmbH, Wichtrach (Bern), Switzerland**  
Main owner and manager of the consulting company CERTICONCONSULT GmbH

Please go to: <http://www.certiconsult.ch>

for detail information concerning the company.

**March 1998 - Electrosuisse (former SEV), Fehraltorf, Switzerland**  
**June 2003**

Manager Product Certification Department

- Certification of electrical products for industry, trade and household following National, European and International certification schemes (SEV, EN, IEC)
- Consulting on Conformity Assessment, standards (EN, IEC, others) and certification schemes
- Participation in European (EN) and international (IEC) certification meetings as the representative of Switzerland; chairman of CENELEC working group CCA Openness; treasurer of IECEx certification scheme
- Team leader and main author for the guide "Doing business in Switzerland" (application of bilateral agreement EU-Switzerland) under contract of the EOTC Brussels
- General consulting on product certification (EU candidate country)
- Registered lead assessor (ISO Guide 65 and EN ISO/IEC 17025) for IECEE- and European certification schemes
- Comprehensive national and international networks, mainly in the field of product certification (electrical equipment and Ex products)

**1986 - 1998 Defense Procurement Agency (Ministry of Defense), Bern, Switzerland**

**1993 - 1998** Technical Project Manager for tactical electronic warfare; technical responsibility for a large, ground based and mobile electronic surveillance system (army corps level)

- Extensive support to the general contractor in Israel
- Manager during the technical system trials in Switzerland
- Preparation and negotiation of technical production contract

**1990 - 1993** Project Manager (user related). Financial software for the Defense Procurement Agency (an application in order to manage an annual money flow of approx. 2,5 Billion Swiss Francs)

- Testing and introduction of the software
- Chairman of the application task force

**1989 - 1990** Head of the avionics group within the technical section for avionics

- Responsible for system management and integration concerning all aircraft of the Swiss Air Force (jet, turboprop, piston, helicopter)

- Manager Avionics during the main evaluation for a new combat aircraft for the Swiss Air Force (detail evaluation, trials in Switzerland with F-16 and F/A-18, comprehensive reporting towards type decision)

**1986 - 1988**      **System Engineer Avionics with main task new fighter aircraft for the Swiss Air Force**

- Evaluation of all avionics
- Creation of a questionnaire for the new fighter aircraft avionics
- Editor for all questionnaires dealing with operation, technical aspects, logistics, commercial aspects and air to air missiles towards an international market survey

**1983 - 1985**      **Revue Thommen AG, Waldenburg BL, Switzerland**

Head of development department. Precision pressure measuring equipment (mechanical/electronic, aircraft instrumentation, leisure)

- Introduction of a worldwide after sale service for aircraft instrumentation (military and commercial)
- Handling of certification issues together with air authorities of USA, UK, FRG and CH
- Introduction of quality assurance in the area of aircraft instrumentation

**1980 - 1983**      **Bell Telephone Laboratories Inc., Holmdel NJ, USA**

Member of Technical Staff (MTS). Member of Dr. Robert W. Wilson's research team (Nobel prizewinner 1978 for physics). Fundamental research for telecommunication applications

- Fabrication and testing of low noise millimeter wave receivers (mainly 230GHz) for use in radioastronomy, solar research, atmospheric research and telecom satellites
- Presentation of achieved results in USA (NASA and universities) and in Europe (international conference and universities)

**1973 - 1982**      **University of Bern, Institute for Applied Physics, Bern, Switzerland**

Engineer HTL. Unpaid leave from September 1980 until September 1982 (USA / Bell Labs)

- Introduction of a laboratory for microfabrication and microassembling
- Development of microfabrication and microassembling processes for low noise mm-wave components

**1963 - 1973**      **Hasler - Signal Aktiengesellschaft, Bern, Switzerland**

Head of the department for apprenticeship (teaching activity); deputy head of the mechanical production department; basic training for precision mechanic



**1968 - 1969      Schweizerische Luftverkehr AG, SWISSAIR, Zurich, Switzerland**

Overhaul of aircraft instrumentation

## **2. Major Education**

- 1973 - 1977 Swiss Engineering School Bern (diploma in mechanical engineering March 1977)
- 1985 Swiss Engineering School MuttENZ (two semester in economy)
- 1980 - 1983 Studies and work at AT&T Bell Telephone Laboratories Inc., New Jersey, USA
- 1977 - 1997 Large number of courses in and outside of Switzerland in job relevant areas
- 1998 - Advanced training in the area of conformity assessment/supervision

## **3. Languages**

- |                         |                  |
|-------------------------|------------------|
| • Swiss German / German | Mother tongue    |
| • English               | Second language  |
| • French                | Moderate to good |