



**INTERNATIONAL ELECTROTECHNICAL COMMISSION SCHEME FOR  
CERTIFICATION TO STANDARDS FOR EXPLOSIVE ATMOSPHERES  
(IECEx SCHEME)**

**Ex Management Committee, ExMC**

**TITLE: IECEx Assessment Report for acceptance of “CB NANIO CCVE”  
as an Ex Certification Body**



This document contains the IECEx Assessment Report for the acceptance of “CB NANIO CCVE” as an Ex Certification Body (ExCB) within the IECEx Scheme.

The report is hereby submitted for voting

Please consider the assessment report and return the completed voting form to the Secretariat by **2004 10 04**. Your speedy response to the voting process will be very much appreciated.

You may return your completed voting form (available in Word format) via fax or e-mail. Details below.

Address:  
IECEx Secretariat  
SAI Building  
286 Sussex Street  
Sydney 2000  
Australia

Tel: +61 2 8206 6940  
Fax: +61 2 8206 6272  
Email: [chris.agius@iecex.com](mailto:chris.agius@iecex.com)  
Internet: [www.iecex.com](http://www.iecex.com)



## Voting Form

IECEX Assessment Report for acceptance of the following candidate as an  
Ex Certification Body

**"CB NANIO CCVE"**

☐ Yes. I agree with the acceptance of **"CB NANIO CCVE"** as an  
Ex Certification Body (ExCB)

☐ No. I do not agree with the acceptance of **"CB NANIO CCVE"** as an  
Ex Certification Body (ExCB) within the IECEx Scheme, for the following  
reasons

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Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Member Body: \_\_\_\_\_

Date: \_\_\_\_\_

Please complete and return by **2004 10 04** to:

Mr Chris Agius  
IECEX Secretariat

**Contact Details:**  
**E-mail: [chris.agius@iecex.com](mailto:chris.agius@iecex.com)**  
**Tel: +61 2 8206 6940**  
**Fax: +61 2 8206 6272**



## IECEx ASSESSMENT REPORT FORM (Ex Certification Body ExCB)

### Type of Assessment:

Initial Assessment for Candidate ExCB ☒

Surveillance Assessment for existing ExCB

#### 1. OBJECTS AND FIELD OF APPLICATION

**1.1 Country:**

Russia (RU)

**1.2 Name of Candidate ExCB**

"CB NANIO CCVE"

**1.3 Members of the Assessment Team**

|             |               |
|-------------|---------------|
| Jim MUNRO   | lead assessor |
| János HANKÓ | assessor      |
| Wolf DILL   | assessor      |

**1.4 Place and Date of Assessment**

"CB NANIO CCVE"

Legal address: 5-403 Electrolitny passage, Moscow, Russia, 115230, RF

Physical address: OJSC "Plant "ECOMASH" VUGI, Lyubertsy, Moscow region 140004, RF

Mail address: P.O. Box 22, Moscow, 109377, RF

Telephone/Telefax No: (095) 557-82-44, 558-8141, 558-8353

e-mail: [ccve@ccve.ru](mailto:ccve@ccve.ru)

[http:// ccve.org](http://ccve.org)

April 26-27, 2004

## 1.5 Assessment References

Document:

- i) IECEx 02 Second Edition
- ii) IECEx Assessment Procedures ExMC/100/CD
- iii) ISO/IEC Guide 65 1996
- iv) ExCB application documents dated 24 September 2004
- v) IECEx Operational Document OD009

## 1.6 Scope of Application

|              |                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------|
| IEC 60079-0  | Electrical apparatus for explosive gas atmospheres – Part 0: General requirements                                             |
| IEC 60079- 1 | Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosure “d”.                                        |
| IEC 60079- 2 | Electrical apparatus for explosive gas atmospheres – Part 2: Electrical apparatus, type of protection 'p' (Pressurization)    |
| IEC 60079- 5 | Electrical apparatus for explosive gas atmospheres – Part 5: Powder filling "q"                                               |
| IEC 60079- 6 | Electrical apparatus for explosive gas atmospheres – Part 6: Oil-immersion 'o'                                                |
| IEC 60079- 7 | Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety 'e'                                             |
| IEC 60079-11 | Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety 'i'                                            |
| IEC 60079-15 | Electrical apparatus for explosive gas atmospheres – Part 15: Electrical apparatus with type of protection 'n' (Non-Sparking) |
| IEC 60079-18 | Electrical apparatus for explosive gas atmospheres – Part 18: Encapsulation 'm'                                               |

## 1.7 Candidate ExCB Persons Interviewed

| Name                    | Position                                                          |
|-------------------------|-------------------------------------------------------------------|
| Alexander Zalogin       | Managing Director of NANIO "CCVE", Deputy Head of "CB NANIO CCVE" |
| Edouard Nabokov         | Head of Quality Systems Department                                |
| Joulia Tikhonenko       | Candidate expert in Quality Systems                               |
| Igor Karev              | Head of Financial Department                                      |
| Vitali Grudtsyn         | Secretary RuNB EX Gosstandart of Russia                           |
| Alexandra Yaroslavtseva | Interpreter                                                       |

### **1.8 *Legal Entity of the Candidate ExCB***

Certification Body is accredited on the base of the “CB NANIO CCVE”, which is an independent organization, juridical person, has its own settlement account and seal used for certification activities.

### **1.9 *Associated Testing Laboratories***

“CB NANIO CCVE” has its own testing laboratory “TL NANIO CCVE” accredited by Gosstandart of the Russian Federation on the basis of the “NANIO CCVE”. TL is independent of manufacturers, sellers and users of products certified.

It is located at the same address.

### **1.10 *Associated Certification Functions***

Other areas they are involved with are quality systems certification and mining equipment certification.

### **1.11 *National Marks and Certificates***

Carrying out of certification to the accreditation field (Annex to the Accreditation Certificate of Gosstandart of the Russian Federation №POCC RU.0001.11ГБ05) is in accordance with the Schemes, specified in the document “Certification system of equipment for hazardous atmospheres; “Rules of certification of electrical equipment for hazardous atmospheres”.

### **1.12 *Financial Support***

The body is a self-supporting non-profit organisation.

### **1.13 *History***

Certification Body “CB NANIO CCVE” was part of the former Skochinsky Institute of Mining, which have been in operation since 1927. In 1997 “CB NANIO CCVE” changed to a non-profit independent research organization.

### **1.14 *Standards Accepted***

“CB NANIO CCVE” accepts IEC Standards but with some national differences. Gosstandart of Russia issues local (National Russian) Standards (based on IEC).

### 1.15 *National Differences to IEC Standards*

These are detailed in the application and form part of in the IECEx Scheme Bulletin

## 2. ORGANISATION

### 2.1 *Names, Titles and Experience of the Senior Executives*

| <b>Name</b>       | <b>Title</b>                                                                                    | <b>Experience</b> |
|-------------------|-------------------------------------------------------------------------------------------------|-------------------|
| Viktor Serov      | Head of "CB NANIO CCVE"                                                                         | 57 years          |
| Alexander Zalogin | Deputy Head of "CB NANIO CCVE",<br>Managing Director of NANIO "CCVE"<br>expert in certification | 23 years          |
| Igor Karev        | Head of Financial Department,<br>expert in certification                                        | 6 years           |
| Andrey Kiselyov   | Head of Marketing Department                                                                    | 2 years           |
| Yury Jukovin      | Manager of surveillance group,<br>expert in certification                                       | 7 years           |
| Boris Chernov     | Head of "TL NANIO CCVE",<br>expert in certification                                             | 7 years           |
| Nikolai Prelovsky | Leader of Testing Group,<br>expert in certification<br>expert in assessment of manufacturers    | 7 years           |
| Valentina Serova  | Manager of documentation group,<br>expert in certification                                      | 5 years           |
| Edouard Nabokov   | Head of Quality Systems Department,<br>Expert in certification of quality systems               | 7 years           |

### 2.2 *Names, Title and Experience of the Quality Management Representative*

| <b>Name</b>     | <b>Title</b>                                                                      | <b>Experience</b> |
|-----------------|-----------------------------------------------------------------------------------|-------------------|
| Edouard Nabokov | Head of Quality Systems Department,<br>Expert in certification of quality systems | 7 years           |



### **2.3** *Name and Title of Nominated Principal Contact*

| <b>Name</b>       | <b>Title</b>                                                         |
|-------------------|----------------------------------------------------------------------|
| Alexander Zalogin | Managing Director of NANIO "CCVE",<br>Deputy Head of "CB NANIO CCVE" |

### **2.4** *Name and Title of Signatories for Certification*

| <b>Name</b>       | <b>Title</b>                   |
|-------------------|--------------------------------|
| Viktor Serov      | Head of "CB NANIO CCVE"        |
| Alexander Zalogin | Deputy Head of "CB NANIO CCVE" |

### **2.5** *Other Employees in ExCB activity*

| <b>Name</b>         | <b>Title</b>                                                      |
|---------------------|-------------------------------------------------------------------|
| Sergey Serov        | Expert in certification                                           |
| Mikhail Vasilchikov | Expert in certification                                           |
| Boris Rafalovich    | Expert in certification                                           |
| Olga Malkovich      | Expert in certification                                           |
| Yury Minovsky       | Expert in certification                                           |
| Victor Vinogradov   | Expert in certification                                           |
| Vitali Solntsev     | Expert in certification                                           |
| Natalya Ampilogova  | Expert in certification                                           |
| Nikolai Prelovsky   | Expert in certification,<br>expert in assessment of manufacturers |
| Nikolai Semernikov  | Expert in certification                                           |
| Yury Kovorov        | Expert in certification                                           |
| Jouliya Tikhonenko  | Candidate expert in certification of quality systems              |
| Edouard Nabokov     | Expert in certification of quality systems                        |

All personnel are issued with an 'expert's certificate' by the Gosstandart of Russia to cover their specific areas of expertise.

### **2.6** *Organisational Structure*

See attached chart at Annex A.

### **2.7** *Administration*

#### **2.7.1** Administrative Structure

This can be seen in Organisation Chart at Annex A.



## 2.7.2 Terms of Reference of the Governing Board

There is an Academic Council of “CB NANIO CCVE”. It considers principal issues for organisation and makes recommendations.

## 3. RESOURCES

During the assessment and site visit management and staff demonstrated having many years of experience and competence in this field.

## 4. COMMITTEES

There is a coordination Board which deals with issues of policy for certification. Its terms of reference are contained in p.5.4.3 of Statute ПO 01.2-03

## 5. CERTIFICATION OPERATIONS

### 5.1 *National Approval/Certification Methods*

“CB NANIO CCVE” operates under the GOST R Certification System

### 5.2 *Certification Policy*

The quality policy of the organisation is contained in the quality manual and meets the principles of the IECEx Certification Scheme.

### 5.3 *Staff Work Instructions*

The site assessment revealed various procedures and work instructions which support “CB NANIO CCVE’s” certification activities. These are in addition to the Quality Manual.

### 5.4 *Application for Certification*

Application forms and information are available from the website [www.ccve.cc](http://www.ccve.cc)

## 6. STATISTICS

Certificates issued during the past 2 years:

|                  |   | 2002 | 2003 |
|------------------|---|------|------|
| flameproof       | d | 51   | 58   |
| intrinsic safety | i | 39   | 43   |
| increased safety | e | 29   | 31   |



|               |   |   |   |
|---------------|---|---|---|
| special       | s | - | - |
| powder filled | q | 1 | - |
| encapsulated  | m | 5 | 5 |
| type          | n | 4 | 5 |
| pressurised   | p | 4 | 3 |
| oil immersion | o | 0 | 0 |

## 7. DOCUMENTATION

### *Documents and Change Control*

A record is maintained of all issued documents and these are replaced whenever changes are made.

## 8. RECORDS

Records are retained for 5 years from latest validity of certificate.

## 9. CONFIDENTIALLY

There are comprehensive procedures on confidentiality and all staff sign confidentiality agreements.

## 10. PUBLICATIONS

The “Rules of certification of electrical equipment for hazardous atmospheres” (ПБ 03-538-03) have been worked out and published with input from “CB NANIO CCVE”.

## 11. APPEALS

The procedures are documented for the appeals process. The Board of Appeal is shown in organisation chart of “CB NANIO CCVE” (see Annex A).

## 12. NATIONAL ACCREDITATION

“CB NANIO CCVE” holds:

- Accreditation Certificate of Gosstandart of the Russian Federation №POCC RU.0001.11ГБ05 (See Annex B); accreditation is to ISO/IEC Guide 65
- The Certification of Conformity of Gosstandart of the Russian Federation № POCC RU.ИC20.K00155 on conformity of quality management system of

the “CB NANIO CCVE” to GOST R ISO 9001-2001 (ISO 9001:2000) requirements.

- License of Gosgortekhnadzor of the Russian Federation № 00-ДЭ-000956 (ГУ) for carrying out of inspection for industrial safety (inspection of technical devices used at hazardous industrial works)

### **13. RECOGNITION AND AGREEMENTS**

The associated testing operation has had accreditation to ISO/IEC Standard 17025 from the German accreditation body DAP.

### **14. QUALITY MANUAL**

There is a comprehensive quality manual for the certification operation. Other important procedural documents include: ‘Statute of Certification Body of Explosion-Proof and Mine Electrical Equipment “CB NANIO CCVE”, “CB NANIO CCVE”’; and ‘Flow-process diagram, Main (business) processes - Certification of Ex-equipment within IECEx Scheme’.

### **15. INTERNAL AUDIT AND PERIODIC REVIEW**

Internal audit is carried out annually. Periodic review is achieved through the development of annual quality plans.

### **16. COMPLAINTS**

“CB NANIO CCVE” has an effective complaints procedure in place.

### **17. WITHDRAWAL AND CANCELLATION OF CERTIFICATES**

The procedures make provision for withdrawal and cancellation of certificates with notification to the Secretary of the IECEx Scheme.

### **18. SPECIAL FACTS TO BE NOTED**

It was noted that the procedures for subcontracting work did not make it clear that in general it would be necessary for “CB NANIO CCVE” to exercise direct control (even of an accredited laboratory) unless the subcontracted laboratory is an accepted ExTL in the IECEx Scheme.

A corrective action report was raised concerning:

- Procedures for subcontracting



- Updating of referenced documents in the Quality Management System documentation

The assessment team received and reviewed changes and concluded that the requirements of the IECEx Scheme had been fully complied to.

## **19. RECOMMENDATION**

Based on the initial assessment performed during 26 and 27 April 2004, "CB NANIO CCVE" is recommended for acceptance into the IECEx scheme as a Certification Body according to the scope of the standards listed in this document.

## **LIST OF ANNEXES**

**Annex A Organisation Chart**

**Annex B Translation of Accreditation Certificate of Certification Body (copy of original included with application)**

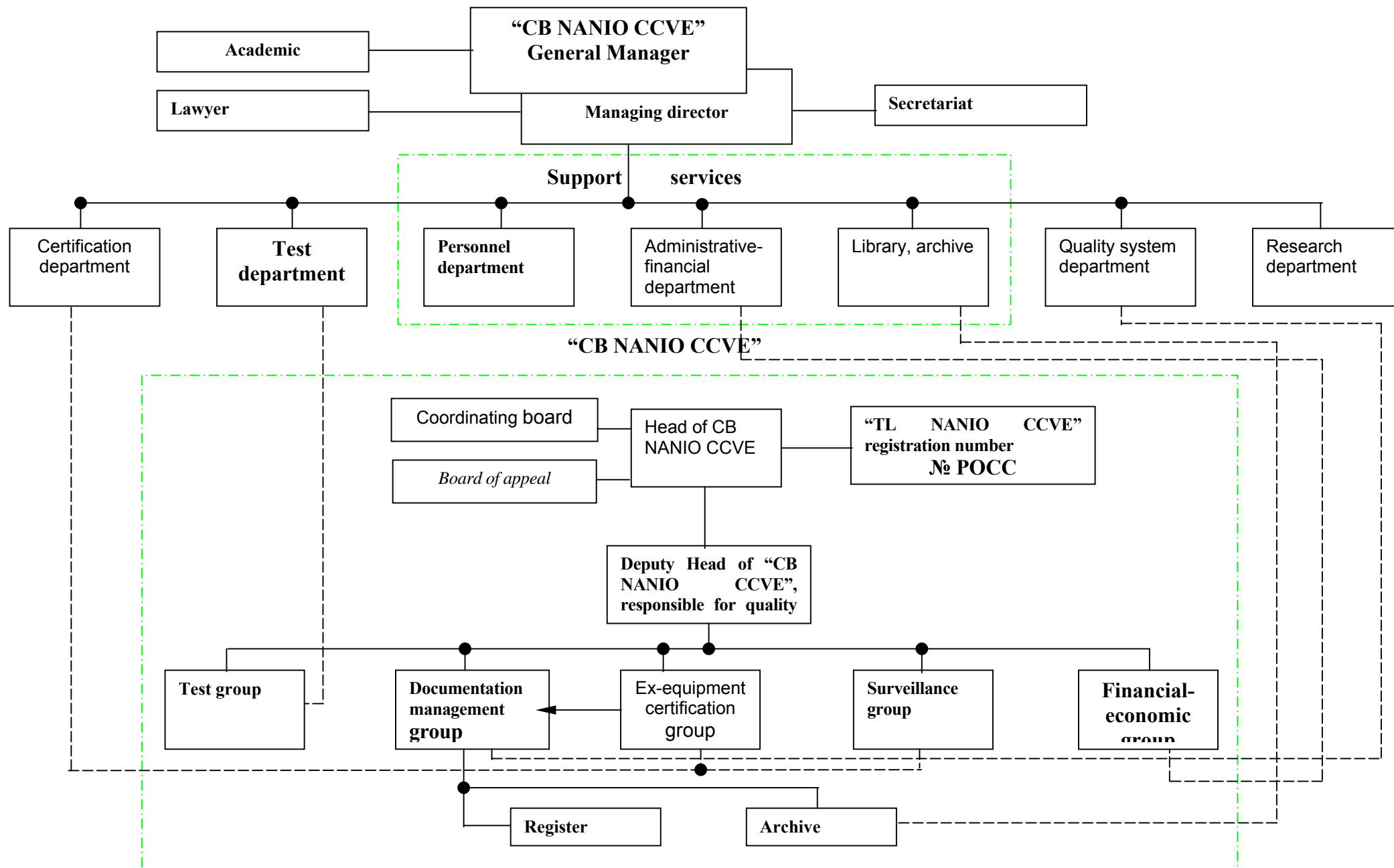
A handwritten signature in black ink, appearing to be 'JM', with a horizontal line extending to the right.

**Jim Munro**  
**IECEx Assessment**  
**Team Leader 23 July 2004**

Janos Hanko

Wolf Dill

**Annex A:**  
**Organization chart of the “CB NANIO CCVE”**



## Annex B

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>CERTIFICATION SYSTEM GOST R</b><br><b>GOSSTANDART OF RUSSIA</b><br>№ 004540 |
| <p style="text-align: center;"><b>ACCREDITATION CERTIFICATE OF CERTIFICATION BODY</b></p> <p style="text-align: center;"><b>N <u>POCC RU.0001.11ГБ05</u></b></p> <p style="text-align: right;"><b>Valid till “ 28” August 2007</b></p> <p style="text-align: center;"> <b>THE PRESENT CERTIFICATE CERTIFIES THAT THE <u>NONPROFIT INDEPENDENT RESEARCH ORGANIZATION</u></b><br/>         name of testing<br/> <u>“CERTIFICATION CENTRE OF EXPLOSION-PROOF AND MINE ELECTRICAL EQUIPMENT”</u><br/>         laboratory (centre)<br/> <u>(CERTIFICATION BODY) ROOM 403, 5 ELECTROLITNY PROYEZD, 115230 MOSCOW</u><br/>         address<br/> <b>has been accredited FOR carrying out certification of</b> _____<br/> <u>explosion-proof and mine electrical equipment</u><br/>         (designation of work)       </p> <p>The scope of accreditation is specified in the Appendix to the present Certificate.</p> <p><b>Deputy Head of Gosstandart of Russia</b></p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p>official stamp</p> </div> <div style="text-align: center;"> <p>_____</p> <p>signature</p> </div> <div style="text-align: center;"> <p><b><u>V.N. KRUTIKOV</u></b></p> <p>initials, name</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>Registered in the State Register</p> <p><b><u>“28” August 2002</u></b></p> </div> |                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                |