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

Circulated to: ExMC

Title: Assessment Report of I.T.L Limited, Israel as an IECEx ExCB

Introduction

During 2014 Israel joined IECEx as the 33rd Member Country.

I.T.L. (Product Testing) of Israel submitted an applications concerning operation in the IECEx 02 Certified Equipment Scheme

- an ExCB
- an ExTL.

As part of the overall evaluation and qualification of applicant bodies ITL were subjected to an assessment according to IECEx 02 rules and OD 003-2. This included an on-site assessment as required by 11.1. of IECEx 02.

This document provides the formal report of the IECEx Site Assessment Team for the ITL application as an ExCB and is submitted for consideration by ExMC during the 2015 ExMC meeting in Christchurch 17+18 September 2015.

Report ExMC/1057/DV, is also issued as the report from the assessment team covering the application of ITL as an IECEx ExTL.

The Secretariat draws Members attention to the recommendations from the Assessment and the fact that in the absence of a separate national Ex Scheme in Israel are to address the ExMC meeting to inform of their use of the IECEx Scheme as their national scheme.

Members will be requested to consider this report at the ExMC 2015 meeting.

Chris Agius

IECEX Executive Secretary

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IECEX ASSESSMENT REPORT FOR Israel Testing Laboratories, LOD, Israel

ExCB (IECEX Certification Body)

Type of Assessment:

Initial Assessment for Candidate ExCB X

Re-Assessment of ExCB

Scope Extension of ExCB

Surveillance Assessment of ExCB

1. OBJECT AND FIELD OF APPLICATION

1.1. Country:

ISRAEL

1.2. Name of Candidate ExCB

I.T.L. (Product Testing) Ltd.

1.3. Members of the Assessment Team

Heinz Berger – IECEx Lead Assessor
Vijay Varma – IECEx Expert Assessor

1.4. Place and Date of Assessments

1 Bat-Sheva St., POB 87, LOD, 7116002 Israel

On-site assessment visit conducted February 10th to 12th, 2015
Additional follow up reviews until July 2015



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1.5. Assessment References

- i) IECEx 02 Equipment Scheme Rules (current version)
- ii) IECEx OD/003 Assessment Procedures (current version)
- iii) IECEx OD 005-1 and -2; Manufacturer Assessment (current version)
- iv) IECEx OD/009 Equipment Scheme Procedures(current version)
- v) IECEx OD/107 Checklist ISO/IEC 17065 (current version)
- vi) IECEx OD 17 Drawings and Documentation(current version)
- vii) IECEx OD 024 Witness Testing/manufacturers and users Facility
- viii) IECEx OD 025 Guidelines Manufacturer Assessments(current version)
- ix) ISO/IEC 80079-34 Application of Quality Systems for Manufacture
- x) IECEx Document F-001 (QAR Form)
- xi) ISO/IEC 17065:2012
- xii) ExCB application documents dated 29.9.2014 and Email 6.1.2015

1.6. Scope of Application

Number	Title	Acceptance
60079-0 Edition(s)4;5;6	Explosive atmospheres - Part 0: Equipment - General requirements	YES Provide the first 3 projects for review
60079-11 Edition(s)4,5,6	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety 'i'	YES Provide the first 3 projects for review
60079-15 Edition(s)3,4	Explosive atmospheres - Part 15: Equipment protection by type of protection 'n'	YES Provide the first 3 projects for review
60079-18 Edition(s)1,2,3,4	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"	YES Provide the first 3 projects for review
60079-26 Edition(s)2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga	YES Provide the first 3 projects for review

1.7. Candidate ExCB Persons Interviewed

Name	Position
Ilan Cohen	Technical Director
Steli Loznen	Certification and QA-Manager
Asher Nitzany	Deputy Certification & QA Manager



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1.8. Legal Entity of the Candidate ExCB

ITL has a legal entity from the Israeli Corporation Authority (Ministry of Justice). The registration number is 511683609. The document was presented during the assessment and found to meet the requirements of the IECEx.

1.9. Associated Testing Laboratories

The ExTL is integral with the ExCB, however procedures ensure that clear separation exists between Testing and Certification as required by ISO/IEC 17065.

1.10. Associated Certification Functions

Functions are described in document of Israeli Ministry of Economy in Annex 2.

1.11. National Marks and Certificates

ITL have a national Mark which is currently undergoing registration, however Israel are accepting the IECEx Scheme as its national scheme.

1.12. Financial Support

ITL derives its income from conformity assessment activities on a commercial fee for service basis

1.13. History

ITL was established in 1992, to provide service of Product Safety and EMC Certification for Israeli Manufacturers and Importers wishing to market products internationally and locally, respectively.

Ownership of ITL by Adir Gamliel Holdings Ltd. as a private Holding company, registered in Israel.

ITL cooperated with the following Agencies as first recognized Third Party Test Laboratory in Israel:

- TUV Rheinland of North America Testing Laboratory in 1992,
- ETL-Intertek US in 2011

ITL achieved its initial Accreditation as a test laboratory in Israel from the following Laboratory Accreditation Authorities:

- VCCI (EMC) in 2001.
- A2LA in 1995
- IECEE CB Scheme in 2010



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1.14. Standards Accepted

See clause 1.6 of this report.

1.15. National Differences to IEC Standards

Israel have advised that they are adopting IEC Standards without differences and hence declare there are no National Differences. This also enables acceptance of the IECEx Scheme.

2. ORGANISATION

2.1. Names, Titles and Experience of the Senior Executives

Name	Title	Experience Ex/Overall
Ophir Gamliel	CEO	22
Ilan Cohen	Technical Director	4/20

2.2. Name, Title and Experience of the Quality Management Representative

Name	Title	Experience Ex/Overall
Steli Loznen	QA and Certification Manager	2/38
Asher Nitzany	Deputy QA and Certification Manager	2/25

2.3. Name and Title of Nominated Principal Contact

Name	Title	Email
Ilan Cohen	Technical Director	icohen@itl.co.il

2.4. Name and Title of Signatories for Certification

Name	Title	Comments
Steli Loznen	QA and Certification Manager	
Asher Nitzany	Deputy QA and Certification Manager	



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2.5. Other Employees in ExCB activity

Name	Title	Responsibility and Experience in Ex
Ilan Cohen	Technical Director	QAR Auditor / 4 years
Keren Avidar	Ex Project Coordinator	2 years at ITL, 10 years as coordinator
Arik Morgenstern	Ex Sales & Marketing	2 years at Ex, 10 years as a sales & marketing
Hagit Ratner	Ex Administration	2 years in Ex, 8 years at ITL
Shmuel Hazon	Ex Sales & Marketing	3 years in Ex, 15 years as sales and marketing manager at ITL

2.6. Organizational Structure

The organizational structure is shown **ANNEX 1a and 1b**.



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2.7. Administration (including Indemnity Insurance)

2.7.1 Administrative Structure

See **Annex 1a**.

2.7.2 Indemnity Insurance

ITL holds insurance from Menora Insurance Company. The policy number is 00.11.004483.15.9 . The current contract is valid until 29.2.2016. The insurance documents were and found to meet the requirements of the IECEX.

3. RESOURCES

Seven persons are active in the ExCB. The operation is well resourced with appropriate skills and knowledge covering Ex certification activities as well as systems and facilities.

4. COMMITTEES / Governing Board / Appeals / Advisory Board

Procedure SOP No. PM-140-19 describes the activities of the advisory board. The procedure was reviewed during the assessment and found to meet the requirements of the IECEX.

5. CERTIFICATION OPERATIONS

5.1. National Approval/Certification Methods

ITL is approved by the Ministry of Economy, Commissioner of standardization, to act as a Certification Body in the Ex field. The certificate can be seen as **Annex 2**. The permission number is 428. It is valid from 1.1.2015 until 31.12.2015.

5.2. Certification Policy

Certification Policy is described in the QM, section 2. This was reviewed and found to meet IECEX requirements

5.3. Application for Certification

Certification Policy is described in the QM, section 2. This was reviewed and found to meet IECEX requirements



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5.4. Certification Decision

Certification Policy is described in the QM, section 2. This was reviewed and found to meet IECEx requirements, including IECEx 02 and supporting Operational Documents, eg OD 009, especially to ensure there is clear separation between those involved in testing and assessment and the certification decision.

5.5. Suspension and Cancellation of Certificates

Certification Policy is described in the QM, section 2. This was reviewed and found to meet IECEx requirements

6. STATISTICS

6.1. Certificates Issued

Number of **certificates** issued under **national schemes** in the preceding four years for each type of protection:

Note: . The Israeli Ministry of Economy approved ITL on 16.11.2014 as an Ex Certification & Testing Body after reviewing the ITL application.

Standards	Title	Number of certificates				Total
		2011	2012	2013	2014	
60079-0	Explosive atmospheres - Part 0: Equipment - General requirements	1*	1*		3	5
	—'					
60079-11	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "'		1*		2	3
60079-15	Explosive atmospheres-- Part 15: Equipment protection by type of protection "'	1*			1	2
60079-18	Explosive atmospheres-- Part 18: Equipment protection by encapsulation ""''				1**	1
60079-26	Explosive atmospheres-- Part 26: Equipment with equipment protection level (EPL) Ga		1*		1**	2
	—''					
* - Indicates certification projects in cooperation with other Certification Bodies						
** - Indicates certification to other than IEC Standards						



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7. DOCUMENTATION

7.1. Quality Manual

The quality system of ITL consists of 2 manuals, the General Manual (QM) based on 17025 and the QM-2 based on ISO/IEC 17065. In the QM manuals, the procedures are named QMPs and the work instructions PM. The structure and content was reviewed and found to meet the requirements of ISO/IEC 17065 and IECEx requirements.

7.2. Procedures

The Procedures identified as QMP series of procedures were reviewed as part of the assessment and found to meet requirements of ISO/IEC 17065 and IECEx rules and supporting Operational Documents.

7.3. Work Instructions

The associated Work Instructions linked to the QMP series of Procedures were reviewed as part of the assessment and found to meet requirements of ISO/IEC 17065 and IECEx rules and supporting Operational Documents.

7.4. Records

Records are described in QMP 4.13. The procedures was reviewed and found to meet the requirements of ISO/IEC 17065 and the IECEx.

7.5. Document Change Control

Document change control is described in QMP 4.3. The procedures was reviewed and found to meet the requirements of ISO/IEC 17065 and the IECEx.

8. CONFIDENTIALITY

Confidentiality is described in QMP 4.2.10. All employees of ITL sign a confidentiality agreement. All agreements of personnel involved in IECEx activities were reviewed and found to meet the requirements of the IECEx.

9. PUBLICATIONS

A dedicated area for IECEx on the Homepage as well as publications are planned, upon acceptance of ITL by IECEx.



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10. NATIONAL ACCREDITATION

ITL is approved by the Ministry of Economy, Commissioner of standardization, to act as a Certification Body in the Ex field. The certificate can be seen as Annex 2. The permission number is 428. It is valid from 1.1.2015 until 31.12.2015.

While appointed by the Ministry of Economy as a Test and Certification Body covering the Ex field, ITL does not yet hold accreditation to ISO/IEC 17065 and will therefore require to be subjected to annual surveillance visits by IECEx for its ExCB activities, according to IECEx Rules and ODs.

11. INTERNATIONAL ACCREDITATIONS RECOGNITION AND AGREEMENTS

Recognitions and agreement are mentioned in clause 1.13 (history).

12. INTERNAL AUDIT AND PERIODIC MANAGEMENT REVIEW

The internal audit process was reviewed during the assessment and found to meet the requirements of the IECEx and includes the review for compliance with IECEx Rules and ODs.

The internal audit plan for 2015 and 2016 was reviewed. IECEx appears in the 2. Quarter of 2015.

The minutes of past management review meetings were reviewed including those held on 16.12.2013 and on 26.12.2014.

13. SUBCONTRACTING, USE OF OTHER LABS AND USE OF OTHER LOCATIONS

At the time of the on-site assessment, ITL were using a subcontractor TL for testing according to IEC 60079-18, clause 8.2.6. While the contract and relevant accreditation information were reviewed, consultation among the Assessment Team, the Secretariat and ITL concluded that in light of work within ExMC WG2 to establish minimum test capabilities ITL agreed to develop their own facilities for testing according to 8.2.6 of IEC 60079-18.

The Assessment have determined that all other test capabilities are in place as well as thorough knowledge of the staff and would recommend including IEC 60079-18 to the scope once confirmation of test capability to Clause 8.2.6 is completed.

No other area of the certification activities are planned for Subcontracting but as with many ExCBs ITL reserve the right to use contracted Auditors that meet their internal qualification and skills matrix and criteria.



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All other certification operations were found to comply with IECEx requirements. However, given the limited experience in operating a National Scheme, it is recommended that the first 3 projects are reviewed PRIOR to the IECEx certificate being released. See recommendations below.

14. TRAINING

The Ex training plans for 2015 were review during the assessment. There are comprehensive training programs covering the operation in the Ex field. The requirements of the IECEx are fulfilled.

15. ASSESSMENT OF MANUFACTURERS AND ISSUE OF QARS

The ITL QAR procedure (PM 140-QAR), revision 2, was reviewed in detail and found to meet the requirements of the IECEx.

A training on-site assessment was performed prior to the assessment. This QAR and their NCRs were reviewed in detail. The QAR process is well understood by ITL.

ITL Staff has been performing Factory inspection for Intertek, TUV, LabTest and MET labs for over 20 years, about 60 factories annually mostly for Normal location (NRTL or GS). ITL staff are also trained approved by LabTest to perform Hazardous location factory audits. The ITL factory inspection team is made of 4 trained personnel. Details of training records and knowledge of Ex was confirmed during the assessment.

16. COMPLAINTS AND APPEALS (Including appeals to IECEx)

Complaints and appeals are described in QM-2 OPM 7.13. The procedure was reviewed and found to meet the requirements of the IECEx.

17. SPECIAL FACTS TO BE NOTED

17.1. *Supporting Documentation*

Copies of additional supporting information for this assessment have been provided to the applicant and the IECEx Secretariat. These include:

- Details of issues raised and how these have been resolved
- Competence Matrix
- List of Contractors
- Checklist for ISO/IEC 17065



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18. COMMENTS (Including issues found during assessment)

One issue was found concerning the confidentiality agreements of advisory board members. This issue was resolved to the satisfaction of the IECEX Assessment team.

19. RECOMMENDATION

Based on the initial assessment performed from February 10th to 12th 2014 and follow up actions by ITL and followup reviews by the Assessment Team the ExCB of ITL, LOD, Israel, is recommended for acceptance in the IECEX Scheme as an IECEX Certification Body (ExCB) according to the scope of the standards listed in this document on the following basis:

1. The Secretariat arranges for the first 3 Certification Projects to be reviewed by an IECEX Assessor and only released if found satisfactory.
2. In recognition of ITL being new to IECEX, that a surveillance assessment be conducted by an IECEX Assessor covering both the ExTL and ExCB functions 1 year from the date of acceptance of ITL, followed by annual audits. noting that the ExCB function will require annual surveillance until national accreditation to ISO/IEC 17065 by an IAF Member accreditation Body is achieved for their Ex activities

Lead Assessor
Heinz Berger

Expert Assessor
Vijay Varma

Date: August 2015

List of Annexes:

ANNEX 1a: Overall organization Chart of ITL

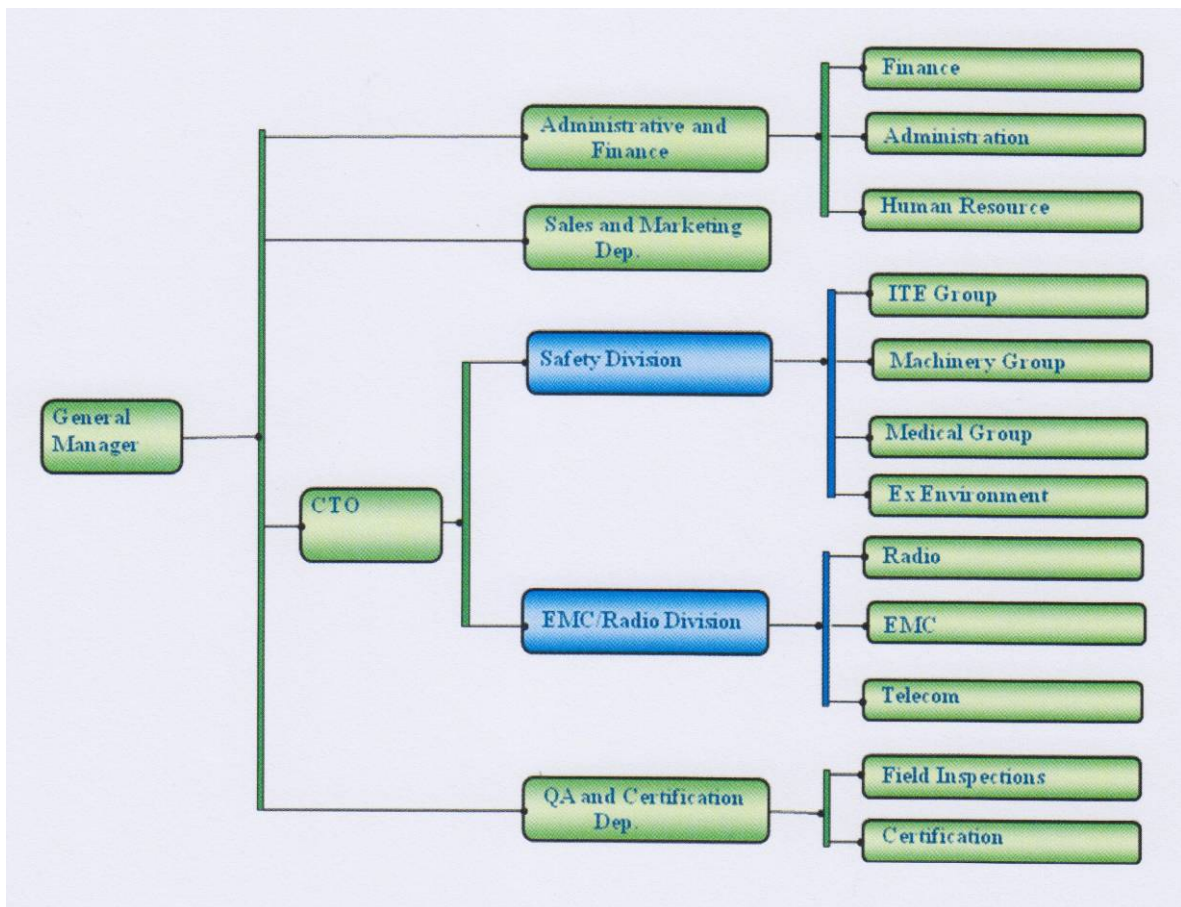
ANNEX 1b: Organization Chart of ExCB and ExTL

ANNEX 2: Certificate of the Ministry of Economy, Commissioner of Standardization



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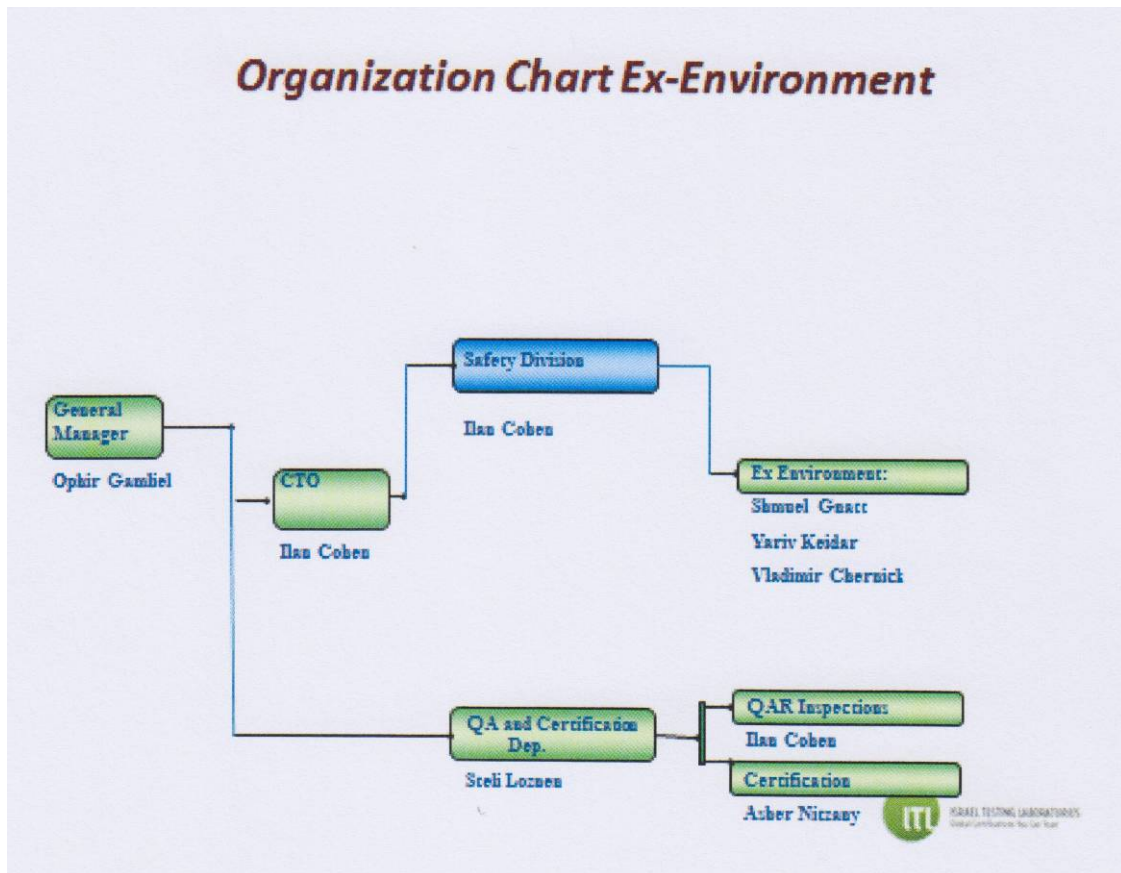
ANNEX 1a:





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ANNEX 1b:





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Annex 2

מנהל תקנים
משרד הכלכלה

To Whom it may Concern

We hereby confirm that
ITL(Product Testing) Ltd.
 1 Bat-Sheva St., POB 87 Lod,71100 Israel,
has been approved according to the Standards Law of Israel for testing
the degree of conformity of goods to standards and mandatory standards
in the following fields:

1. Electromagnetic compatibility of domestic electrical appliances, electrical tools and similar electrical equipment, industrial, scientific and medical equipment, information technology equipment;
2. Safety of mains powered electronic equipment intended for domestic and for similar general use;
3. Safety of information technology equipment;
4. Safety of electrical equipment for domestic and similar uses: General requirements;
5. Electrical equipment for medical use: General safety requirements;
6. Safety of electrical equipment intended for measurement, for control and for laboratory use: General requirements;
7. Explosive atmospheres: Equipment-General requirements(*);
8. Safety of machinery-Electrical equipment of machines: General requirements(*);
9. Automatic electrical controls for household and similar use: General requirements(*);
10. Safety of laser products: Equipment classification and requirements(*)

and for issuing Test Certificates in respect thereof.

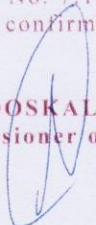

Permit Designation Number	428
Given on:	01 January, 2015
Valid through:	31 December, 2015

(*) – Extension dated by 16 November, 2014

This approval was granted in accordance with the "Criteria for Laboratory Approval by the Commissioner of Standardization (Director General's Circular No. 7.1)".

We also confirm that ITL (Product Testing) Ltd. is accredited by A2LA.

IGOR DOSKALOVICH
 Commissioner of Standardization

משרד הכלכלה
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