



SLOVENSKI STANDARD
SIST EN 62282-6-100:2010
01-september-2010

Tehnologija gorivnih celic - 6-100. del: Tehnologija mikro gorivnih celic - Varnost (IEC 62282-6-100:2010)

Fuel cell technologies - Part 6-100: Micro fuel cell power systems - Safety (IEC 62282-6-100:2010)

Brennstoffzellentechnologien - Teil 6-100: Mikro-Brennstoffzellen-Energiesysteme - Sicherheit (IEC 62282-6-100:2010)

Technologies des piles à combustible - Partie 6-100: Système à micro-piles à combustible - Sécurité (CEI 62282-6-100:2010)

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Ta slovenski standard je istoveten z: EN 62282-6-100:2010

ICS:

27.070 Gorilne celice Fuel cells

SIST EN 62282-6-100:2010 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62282-6-100

April 2010

ICS 27.070

English version

**Fuel cell technologies -
Part 6-100: Micro fuel cell power systems -
Safety**
(IEC 62282-6-100:2010)

Technologies des piles à combustible -
Partie 6-100: Système à micro-piles
à combustible - Sécurité
(CEI 62282-6-100:2010)

Brennstoffzellentechnologien -
Teil 6-100: Mikro-Brennstoffzellen-
Energiesysteme - Sicherheit
(IEC 62282-6-100:2010)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 105/255/FDIS, future edition 1 of IEC 62282-6-100, prepared by IEC TC 105, Fuel cell technologies, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62282-6-100 on 2010-04-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62282-6-100:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62282-5-1	NOTE Harmonized as EN 62282-5-1. https://standards.iteh.ai/catalog/standards/sist/8dc25047-e95a-41ea-81ed-7f18e512171a/sist-en-62282-6-100-2010
IEC 61025	NOTE Harmonized as EN 61025.
IEC 60812	NOTE Harmonized as EN 60812.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-426	2008	International Electrotechnical Vocabulary - Part 426: Equipment for explosive atmospheres	-	-
IEC 60079-15	2005	Electrical apparatus for explosive gas atmospheres - Part 15: Construction, test and marking of type of protection "n" electrical apparatus	EN 60079-15	2005
IEC 60086-4	-	Primary batteries - Part 4: Safety of lithium batteries	EN 60086-4	-
IEC 60086-5	-	Primary batteries - Part 5: Safety of batteries with aqueous electrolyte	EN 60086-5	-
IEC 60695-1-1	-	Fire hazard testing - Part 1-1: Guidance for assessing the fire hazard of electrotechnical products - General guidelines	EN 60695-1-1	-
IEC 60695-2-11	-	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	-
IEC 60695-11-10	-	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	-
IEC 60730-1 (mod) + A1 (mod) + A2 (mod) - - - - -	1999 2003 2007 - - - - -	Automatic electrical controls for household and similar use - Part 1: General requirements	EN 60730-1 + corr. August + A1 + A2 + A11 + A14 + A13 + A12 + A15 + A16 + corr. March	2000 2007 2004 2008 2002 2005 2004 2003 2007 2007 2010
IEC 60950-1 (mod)	2005	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1 + A11	2006 2009
IEC 61032	1997	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62133	2002	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications	EN 62133	2003
IEC 62281	2004	Safety of primary and secondary lithium cells and batteries during transport	EN 62281	2004
ISO 175	-	Plastics - Determination of the effects of liquid chemicals, including water	-	-
ISO 188	-	Rubber, vulcanized or thermoplastic - Accelerated ageing and heat-resistance tests	-	-
ISO 1817	-	Rubber, vulcanized - Determination of the effect of liquids	-	-
ISO 9772	-	Cellular plastics - Determination of horizontal burning characteristics of small specimens subjected to a small flame	-	-
ISO 15649	-	Petroleum and natural gas industries - Piping	-	-
ISO 16000-3	-	Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds - Active sampling method	-	-
ISO 16000-6	-	Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS/FID	-	-
ISO 16017-1	-	Indoor, ambient and workplace air - Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography - Part 1: Pumped sampling	-	-



IEC 62282-6-100

Edition 1.0 2010-03

INTERNATIONAL STANDARD



Fuel cell technologies – **STANDARD PREVIEW**
Part 6-100: Micro fuel cell power systems – Safety
(standards.iteh.ai)

SIST EN 62282-6-100:2010
<https://standards.iteh.ai/catalog/standards/sist/8dc25047-e95a-41ea-81ed-7f18e5f2f7fa/sist-en-62282-6-100-2010>

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE **XN**

ICS 27.070

ISBN 2-8318-1078-0

CONTENTS

FOREWORD.....	9
1 Scope.....	11
1.1 General.....	11
1.2 Fuels and technologies covered.....	11
1.3 Equivalent level of safety.....	13
2 Normative references.....	13
3 Terms and definitions.....	14
4 Materials and construction of micro fuel cell power systems, micro fuel cell power units and fuel cartridges.....	18
4.1 General.....	18
4.2 FMEA / hazard analysis.....	18
4.3 General materials.....	18
4.4 Selection of materials.....	18
4.5 General construction.....	19
4.6 Fuel valves.....	19
4.7 Materials and construction – system.....	20
4.8 Ignition sources.....	20
4.9 Enclosures and acceptance strategies.....	21
4.9.1 Parts requiring a fire enclosure.....	21
4.9.2 Parts not requiring a fire enclosure.....	21
4.9.3 Materials for components and other parts outside fire enclosures.....	22
4.9.4 Materials for components and other parts inside fire enclosures.....	23
4.9.5 Mechanical enclosures.....	24
4.10 Protection against fire, explosion, corrosivity and toxicity hazard.....	24
4.11 Protection against electrical hazards.....	25
4.12 Fuel supply construction.....	25
4.12.1 Fuel cartridge construction.....	25
4.12.2 Fuel cartridge fill requirement.....	26
4.13 Protection against mechanical hazards.....	26
4.13.1 Piping and tubing other than fuel lines.....	26
4.13.2 Exterior surface and component temperature limits.....	26
4.13.3 Motors.....	27
4.14 Construction of electric device components.....	28
4.14.1 Limited power sources.....	28
4.14.2 Devices that use electronic controllers.....	29
4.14.3 Electrical conductors/wiring.....	29
4.14.4 Output terminal area.....	30
4.14.5 Electric components and attachments.....	30
4.14.6 Protection.....	30
5 Abnormal operating and fault conditions testing and requirements.....	31
5.1 General.....	31
5.2 Compliance testing.....	31
5.3 Passing criteria.....	32
5.4 Simulated faults and abnormal conditions for limited power and SELV circuits.....	32
5.5 Abnormal operation – electromechanical components.....	32
5.6 Abnormal operation of micro fuel cell power systems or units with integrated batteries.....	33

5.7	Abnormal operation – simulation of faults based on hazard analysis.....	33
6	Instructions and warnings for micro fuel cell power systems, micro fuel cell power units and fuel cartridges	34
6.1	General.....	34
6.2	Minimum markings required on the fuel cartridge.....	34
6.3	Minimum markings required on the micro fuel cell power system	34
6.4	Additional information required either on the fuel cartridge or on accompanying written information or on the micro fuel cell power system or micro fuel cell power unit.....	35
6.5	Technical documentation.....	35
7	Type tests for micro fuel cell power systems, micro fuel cell power units and fuel cartridges	36
7.1	General.....	36
7.2	Leakage measurement of methanol and the measuring procedure.....	37
7.3	Type tests	44
7.3.1	Pressure differential tests.....	44
7.3.2	Vibration test.....	46
7.3.3	Temperature cycling test	47
7.3.4	High temperature exposure test.....	48
7.3.5	Drop test	48
7.3.6	Compressive loading test.....	49
7.3.7	External short-circuit test.....	50
7.3.8	Surface, component and exhaust gas temperature test.....	51
7.3.9	Long-term storage test	51
7.3.10	High-temperature connection test.....	56
7.3.11	Connection cycling tests.....	56
7.3.12	Emission test.....	59
Annex A	(normative) Formic acid micro fuel cell power systems.....	64
Annex B	(normative) Hydrogen stored in hydrogen absorbing metal alloy and micro fuel cell power systems.....	96
Annex C	(normative) Reformed methanol micro fuel cell power systems	145
Annex D	(normative) Methanol clathrate compound micro fuel cell power systems.....	159
Annex E	(normative) Borohydride micro fuel cell power systems: Class 8 (corrosive) compounds in indirect borohydride fuel cells.....	183
Annex F	(normative) Borohydride micro fuel cell power systems: Class 4.3 (water reactive) compounds in indirect borohydride fuel cells	234
Annex G	(normative) Borohydride micro fuel cell power systems: Class 8 (corrosive) compounds in direct borohydride fuel cells.....	284
Annex H	(normative) Butane solid oxide micro fuel cell power systems.....	331
	Bibliography.....	370
	Figure 1 – Micro fuel cell power system block diagram.....	12
	Figure 2 – Fuel cartridge leakage and mass loss test flow chart for pressure differential, vibration, drop, and compressive loading tests.....	38
	Figure 3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test	39
	Figure 4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for pressure differential, vibration, temperature cycling, drop and compressive loading tests.....	40

Figure 5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test	41
Figure 6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test	42
Figure 7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test	43
Figure 8 – Temperature cycling.....	48
Figure 9 – Fuel cartridge leakage and mass loss test flow chart for long-term storage test ..	55
Figure 10 – Operational emission rate testing apparatus.....	60
Figure 11 – Operational emission concentration testing apparatus.....	60
Figure A.1 – Formic acid micro fuel cell power system block diagram – Replaces Figure 1	64
Figure A.2 – Fuel cartridge leakage and mass loss test flow chart for pressure differential, vibration, drop, and compressive loading tests – Replaces Figure 2	70
Figure A.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	71
Figure A.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss flow chart for pressure differential, vibration, temperature cycling test, drop, and compressive loading tests – Replaces Figure 4	72
Figure A.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	73
Figure A.6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test – Replaces Figure 6.....	74
Figure A.7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test – Replaces Figure 7	75
Figure A.9 – Fuel cartridge leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	82
Figure A.10 – Operational emission rate testing apparatus – Replaces Figure 10	83
Figure A.11 – Operational emission concentration testing apparatus – Replaces Figure 11	84
Figure A.12 – Hydrogen emission test procedure for operating micro fuel cell power system	92
Figure B.2 – Fuel cartridge leakage test flow chart for pressure differential, vibration, drop, and compressive loading tests – Replaces Figure 2	107
Figure B.3 – Fuel cartridge leakage test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	108
Figure B.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss flow chart for pressure differential, vibration, temperature cycling, drop, and compressive loading tests – Replaces Figure 4.....	109
Figure B.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	110
Figure B.8 – Temperature cycling – Replaces Figure 8	120
Figure B.9 – Fuel cartridge hydrogen leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	131
Figure B.10 – Operational emission rate testing apparatus – Replaces Figure 10	137
Figure B.12 – Hydrogen emission test procedure for operating micro fuel cell power system	141
Figure C.1 – General block diagram of a reformed methanol micro fuel cell power system – Replaces Figure 1.....	145
Figure C.10 – Operational emission rate testing apparatus – Replaces Figure 10	149

Figure C.11 – Operational emission concentration testing apparatus – Replaces Figure 11	150
Figure C.12 – Hydrogen emission test procedure for operating micro fuel cell power system	155
Figure D.1 – Methanol clathrate compound micro fuel cell power system block diagram – Replaces Figure 1	159
Figure D.2 – Fuel cartridge leakage and mass loss test flow chart for pressure differential, vibration, drop, and compressive loading tests – Replaces Figure 2	165
Figure D.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	166
Figure D.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for pressure differential, vibration, temperature cycling, drop and compressive loading tests – Replaces Figure 4	167
Figure D.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	168
Figure D.9 – Fuel cartridge leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	179
Figure D.12 – Fuel cartridge of methanol clathrate compound	160
Figure D.13 – Usage of methanol clathrate compound with micro fuel cell power unit	160
Figure E.1 – Micro fuel cell power system block diagram for liquid Class 8 (corrosive) borohydride compound fuel with onboard fuel processing – Replaces Figure 1	183
Figure E.2 – Fuel cartridge leakage test flow chart for vibration, drop, compressive loading – Replaces Figure 2	197
Figure E.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	198
Figure E.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for pressure differential, vibration, temperature cycling, drop and compressive loading tests – Replaces Figure 4	199
Figure E.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	200
Figure E.6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test – Replaces Figure 6	201
Figure E.7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test – Replaces Figure 7	202
Figure E.8 – Temperature cycling – Replaces Figure 8	207
Figure E.9 – Fuel cartridge hydrogen leakage and mass loss test flowchart for long-term storage test – Replaces Figure 9	213
Figure E.10 – Operational emission rate testing apparatus – Replaces Figure 10	223
Figure E.11 – Operational emission concentration testing apparatus – Replaces Figure 11	223
Figure E.12 – Hydrogen emission test procedure for operating micro fuel cell power system – Replaces Figure 12	230
Figure E.13 – Micro fuel cell power system block diagram for liquid Class 8 (corrosive) borohydride compound fuel with fuel cartridge fuel processing	184
Figure E.14 – Micro fuel cell power system block diagram for solid Class 8 (corrosive) borohydride compound fuel with fuel cartridge fuel processing and cartridge fuel management	185
Figure E.15 – Micro fuel cell power system block diagram for solid Class 8 (corrosive) compound fuel with cartridge fuel processing and fuel management internal to the micro fuel cell power unit	186
Figure E.16 – Fuel cartridge leakage test flow chart for external pressure test	231

Figure F.1 – Borohydride micro fuel cell power system block diagram for Class 4.3 (water reactive) compound fuel in indirect borohydride fuel cell system; fuel management in micro fuel cell power unit – Replaces Figure 1	235
Figure F.2 – Fuel cartridge leakage test flow chart for pressure differential, vibration, drop, and compressive loading tests – Replaces Figure 2	247
Figure F.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	248
Figure F.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for pressure differential, vibration, temperature cycling, drop and compressive loading tests – Replaces Figure 4	249
Figure F.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	250
Figure F.6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test – Replaces Figure 6	251
Figure F.7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test – Replaces Figure 7	252
Figure F.8 – Temperature cycling – Replaces Figure 8	257
Figure F.9 – Fuel cartridge leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	263
Figure F.10 – Operational emission rate testing apparatus – Replaces Figure 10	273
Figure F.11 – Operational emission concentration testing apparatus – Replaces Figure 11	273
Figure F.12 – Borohydride micro fuel cell power system block diagram for Class 4.3 (water reactive) compound fuel in indirect borohydride fuel cell system; fuel management in fuel cartridge	236
Figure F.13 – Hydrogen emission test procedure for operating micro fuel cell power system	280
Figure F.14 – Fuel cartridge leakage test flow chart for low external pressure test	281
Figure G.1 – Direct borohydride micro fuel cell power system block diagram – Replaces Figure 1	284
Figure G.2 – Fuel cartridge leakage test flow chart for pressure differential, vibration, drop, and compressive loading tests – Replaces Figure 2	295
Figure G.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	296
Figure G.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss flow chart for pressure differential, vibration, temperature cycling, drop, and compressive loading tests – Replaces Figure 4	297
Figure G.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	298
Figure G.6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test – Replaces Figure 6	299
Figure G.7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test – Replaces Figure 7	300
Figure G.8 – Temperature cycling – Replaces Figure 8	306
Figure G.9 – Fuel cartridge hydrogen leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	311
Figure G.10 – Operational emission rate testing apparatus – Replaces Figure 10	320
Figure G.11 – Operational emission concentration testing apparatus – Replaces Figure 11	321
Figure G.12 – Hydrogen emission test procedure for operating micro fuel cell power system	328

Figure G.13 – Fuel cartridge leakage test flow chart for low external pressure test	301
Figure H.1 – Butane solid oxide micro fuel cell power system block diagram – Replaces Figure 1.....	331
Figure H.2 – Fuel cartridge leakage and mass loss test flow chart for vibration, drop and compressive loading tests – Replaces Figure 2.....	338
Figure H.3 – Fuel cartridge leakage and mass loss test flow chart for temperature cycling test and high temperature exposure test – Replaces Figure 3	339
Figure H.4 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for pressure differential, vibration, temperature cycling, drop and compressive loading tests – Replaces Figure 4.....	340
Figure H.5 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for external short-circuit test – Replaces Figure 5	341
Figure H.6 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 68 kPa low external pressure test – Replaces Figure 6.....	342
Figure H.7 – Micro fuel cell power system or micro fuel cell power unit leakage and mass loss test flow chart for 11,6 kPa low external pressure test – Replaces Figure 7.....	343
Figure H.8 – Temperature cycling – Replaces Figure 8.....	349
Figure H.9 – Fuel cartridge leakage and mass loss test flow chart for long-term storage test – Replaces Figure 9	356
Figure H.10 – Operational emission rate testing apparatus – Replaces Figure 10	361
Figure H.11 – Operational emission concentration testing apparatus	362

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Table 1 – Summary of material flammability requirements.....	22
Table 2 – Temperature limits	27
Table 3 – Limits for inherently limited power sources	28
Table 4 – Limits for power sources not inherently limited (Over-current protection required).....	29
Table 5 – List of type tests.....	36
Table 6 – Laboratory standard conditions	37
Table 7 – Emission limits	63
Table A.5 – List of type tests – Replaces Table 5.....	68
Table A.6 – Laboratory standard conditions – Replaces Table 6	69
Table A.7 – Emission limits – Replaces Table 7	93
Table A.8 – Occupational exposure limits	93
Table B.5 – List of type tests – Replaces Table 5.....	105
Table B.6 – Laboratory standard conditions – Replaces Table 6	106
Table B.7 – Emission limits – Replaces Table 7	142
Table C.5 – List of type tests – Replaces Table 5	148
Table C.6 – Laboratory standard conditions – Replaces Table 6	149
Table C.7 – Emission limits – Replaces Table 7.....	156
Table C.8 – Occupational exposure limits	156
Table D.5 – List of type tests – Replaces Table 5	163
Table D.6 – Laboratory standard conditions – Replaces Table 6	164
Table E.5 – List of type tests – Replaces table 5.....	194
Table E.6 – Laboratory standard conditions – Replaces Table 6	195
Table E.7 – Emission limits – Replaces Table 7	229

Table F.5 – List of type tests – Replaces Table 5.....	244
Table F.6 – Laboratory standard conditions – Replaces Table 6	245
Table F.7 – Emission limits – Replaces Table 7	279
Table G.5 – List of type tests – Replaces Table 5	292
Table G.6 – Laboratory standard conditions – Replaces Table 6.....	293
Table G.7 – Emission limits – Replaces Table 7.....	327
Table H.5 – List of type tests – Replaces Table 5	336
Table H.6 – Laboratory standard conditions – Replaces Table 6	337
Table H.7 – Emission Limits – Replaces Table 7.....	365
Table H.8 – Occupational exposure limits	366

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FUEL CELL TECHNOLOGIES –

Part 6-100: Micro fuel cell power systems –
Safety

FOREWORD

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International Standard IEC 62282-6-100 has been prepared by IEC technical committee 105: Fuel cell technologies

This standard cancels and replaces IEC/PAS 62282-6-1 published in 2006. This first edition constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
105/255/FDIS	105/261/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.