

SLOVENSKI STANDARD**SIST EN 61400-24:2010****01-september-2010****Vetrne turbine - 24. del: Zaščita pred delovanjem strele (IEC 61400-24:2010)**

Wind turbines - Part 24: Lightning protection (IEC 61400-24:2010)

Windenergieanlagen - Teil 24: Blitzschutz (IEC 61400-24:2010)

Eoliennes - Partie 24: Protection contre la foudre (CEI 61400-24:2010)

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27.180	Sistemi turbin na veter in drugi alternativni viri energije	Wind turbine systems and other alternative sources of energy
91.120.40	Zaščita pred strelo	Lightning protection

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**Wind turbines -
Part 24: Lightning protection
(IEC 61400-24:2010)**

Eoliennes -
Partie 24: Protection contre la foudre
(CEI 61400-24:2010)

Windenergieanlagen -
Teil 24: Blitzschutz
(IEC 61400-24:2010)

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

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Foreword

The text of document 88/366/FDIS, future edition 1 of IEC 61400-24, prepared by IEC TC 88, Wind turbines, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61400-24 on 2010-07-01.

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- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61400-24:2010 was approved by CENELEC as a European Standard without any modification.

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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>
-	-	Power installations exceeding 1 kV a.c.	HD 637 S1 + corr. June	1999 2005
-	-	Lightning Protection Components (LPC) - Part 1: Requirements for connection components	EN 50164-1	-
IEC 60060-1	1989	High-voltage test techniques - Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60068	Series	Environmental testing	EN 60068	Series
IEC 60071	Series	Insulation co-ordination	EN 60071	Series
IEC 60071-2	1996	Insulation co-ordination - SIST EN 61400-24:2010 Part 2: Application guide	EN 60071-2	1997
IEC 60099-4	-	Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems	EN 60099-4	-
IEC 60099-5	-	Surge arresters - Part 5: Selection and application recommendations	EN 60099-5	-
IEC 60204-1	-	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	EN 60204-1	-
IEC 60204-11	-	Safety of machinery - Electrical equipment of machines - Part 11: Requirements for HV equipment for voltages above 1 000 V a.c. or 1 500 V d.c. and not exceeding 36 kV	EN 60204-11	-
IEC 60243-1	-	Electrical strength of insulating materials - Test methods - Part 1: Tests at power frequencies	EN 60243-1	-
IEC 60243-3	-	Electrical strength of insulating materials - Test methods - Part 3: Additional requirements for 1,2/50 µs impulse tests	EN 60243-3	-
IEC 60364-4-44	-	Low voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances	HD 60364-4-444	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60364-5-53 + A1 (mod)	2001 2002	Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control	-	-
IEC 60464-2	-	Varnishes used for electrical insulation - Part 2: Methods of test	EN 60464-2	-
IEC/TS 60479-1	-	Effects of current on human beings and livestock - Part 1: General aspects	-	-
IEC/TR 60479-4	-	Effects of current on human beings and livestock - Part 4: Effects of lightning strokes on human beings and livestock	-	-
IEC 60587	-	Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion	EN 60587	-
IEC 60664-1	-	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	-
IEC 61000-4-5	-	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	-
IEC/TR 61000-5-2	-	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling	-	-
IEC/TS 61400-23	-	Wind turbine generator systems - Part 23: Full-scale structural testing of rotor blades	-	-
IEC 61643-1	-	https://standards.iteh.ai/catalog/standards/sist/d31cdb5b-386d-43af-b1ec-93f3a222a50 Low-voltage surge protective devices - Part 1: Surge protective devices connected to low-voltage power distribution systems - Requirements and tests	-	-
IEC 61643-12	-	Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles	CLC/TS 61643-12	-
IEC 61643-21	-	Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Performance requirements and testing methods	EN 61643-21	-
IEC 61643-22	-	Low-voltage surge protective devices - Part 22: Surge protective devices connected to telecommunications and signalling networks - Selection and application principles	CLC/TS 61643-22	-
IEC 62153-4-3	-	Metallic communication cable test methods - Part 4-3: Electromagnetic Compatibility (EMC) - Surface transfer impedance - Triaxial method	-	-
IEC 62305-1	2006	Protection against lightning - Part 1: General principles	EN 62305-1 + corr. November	2006
IEC 62305-2	2006	Protection against lightning - Part 2: Risk management	EN 62305-2 + corr. November	2006

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62305-3 (mod)	2006	Protection against lightning - Part 3: Physical damage to structures and life hazard	EN 62305-3 + corr. September + corr. November + A11	2006 2008 2006 2009
IEC 62305-4	2006	Protection against lightning - Part 4: Electrical and electronic systems within structures	EN 62305-4 + corr. November	2006 2006
ITU-T Recommendation K.20	-	Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents	-	-
ITU-T Recommendation K.21	-	Resistibility of telecommunication equipment installed in customer premises to overvoltages and overcurrents	-	-
ITU-T Recommendation K46	-	Protection of telecommunication lines using metallic symmetric conductors against lightning-induced surges	-	-

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CONTENTS

FOREWORD	8
1 Scope	10
2 Normative references	10
3 Terms and definitions	12
4 Symbols and units	18
5 Abbreviations	20
6 Lightning environment for wind turbine	20
6.1 General	20
6.2 Lightning current parameters and lightning protection levels (LPL)	20
7 Lightning exposure assessment	22
7.1 General	22
7.2 Assessing the frequency of lightning affecting a wind turbine	23
7.3 Assessing the risk of damage	26
7.3.1 Basic equation	26
7.3.2 Assessment of risk components due to flashes to the wind turbine (S1)	27
7.3.3 Assessment of the risk component due to flashes near the wind turbine (S2)	27
7.3.4 Assessment of risk components due to flashes to a service line connected to the wind turbine (S3)	27
7.3.5 Assessment of risk component due to flashes near a service line connected to the wind turbine (S4)	28
8 Lightning protection of subcomponents	29
8.1 General	29
8.2 Blades	29
8.2.1 General	29
8.2.2 Requirements	29
8.2.3 Verification	29
8.2.4 Protection design considerations	30
8.2.5 Test methods	32
8.3 Nacelle and other structural components	32
8.3.1 General	32
8.3.2 Hub	33
8.3.3 Spinner	33
8.3.4 Nacelle	33
8.3.5 Tower	34
8.3.6 Testing methods	34
8.4 Mechanical drive train and yaw system	34
8.4.1 General	34
8.4.2 Bearings	35
8.4.3 Hydraulic systems	35
8.4.4 Spark gaps and sliding contacts	35
8.4.5 Testing	35
8.5 Electrical low-voltage systems and electronic systems and installations	36
8.5.1 General	36
8.5.2 LEMP protection measures (LPMS)	36
8.5.3 Lightning protection zones (LPZ)	37

8.5.4	Equipotential bonding within the wind turbine	37
8.5.5	Shielding and line routing	37
8.5.6	Coordinated SPD protection	38
8.5.7	Testing methods for system immunity tests.....	41
8.6	Electrical high-voltage (HV) power systems.....	41
9	Earthing of wind turbines and wind farms	43
9.1	General	43
9.1.1	Basic requirements	43
9.1.2	Earth electrode arrangements.....	43
9.1.3	Earthing system impedance.....	44
9.2	Equipotential bonding	44
9.2.1	General	44
9.2.2	Lightning equipotential bonding for metal installations	44
9.2.3	Electrically insulated LPS	45
9.3	Structural components.....	45
9.3.1	General	45
9.3.2	Metal tubular type tower	45
9.3.3	Metal reinforced concrete towers	45
9.3.4	Lattice tower.....	46
9.3.5	Systems inside the tower.....	46
9.3.6	Concrete foundation	46
9.3.7	Rocky area foundation	47
9.3.8	Metal mono-pile foundation.....	47
9.3.9	Offshore foundation	47
9.4	Electrode shape dimensions	47
9.5	Wind farms	48
9.6	Execution and maintenance of the earthing system	48
10	Personal safety	49
11	Documentation of lightning protection system	50
11.1	General	50
11.2	Documentation necessary during assessment for design evaluation	50
11.2.1	General documentation.....	50
11.2.2	Documentation for rotor blades.....	51
11.2.3	Documentation of mechanical systems	51
11.2.4	Documentation of electrical and electronic systems	51
11.2.5	Documentation of earthing and bonding systems	51
11.2.6	Documentation of nacelle cover, hub and tower lightning protection systems	51
11.3	Site specific information	52
11.4	Documentation to be provided for LPS inspections	52
11.4.1	Visual LPS inspection report.....	52
11.4.2	Complete LPS inspection report	52
11.5	Manuals	52
12	Inspection of lightning protection system	52
12.1	Scope of inspection	52
12.2	Order of inspections	53
12.2.1	General	53
12.2.2	Inspection during production of the wind turbine	53
12.2.3	Inspection during installation of the wind turbine.....	53

12.2.4 Inspection during commissioning of the wind turbine and periodic inspection.....	53
12.2.5 Inspection after dismantling or repair of main parts.....	54
12.3 Maintenance.....	54
Annex A (informative) The lightning phenomenon in relation to wind turbines	55
Annex B (informative) Lightning exposure assessment	66
Annex C (informative) Protection methods for blades	84
Annex D (informative) Test specifications	96
Annex E (informative) Application of lightning protection zones (LPZ) concept at a wind turbine	119
Annex F (informative) Selection and installation of a coordinated SPD protection in wind turbines	124
Annex G (informative) Additional information on bonding and shielding and installation technique.....	128
Annex H (informative) Testing methods for system level immunity tests	133
Annex I (informative) Earth termination system	135
Annex J (informative) Example of defined measuring points.....	143
Annex K (informative) Typical lightning damage questionnaire	145
Annex L (informative) Monitoring systems.....	148
Annex M (informative) Guidelines for small wind turbines – Microgeneration.....	149
Bibliography.....	150

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Figure 1 – Collection area of the wind turbine.....	24
Figure 2 – Effective height H_d of wind turbine exposed on a hill.....	24
Figure 3 – Collection area of wind turbine of height H_a and another structure of height H_b connected by underground cable of length L_c	26
Figure 4a – Squirrel cage induction generator (SCIG)	42
Figure 4b – Wound rotor induction generator (WRIG).....	42
Figure 4 – Examples of placement of HV arresters in two typical main electrical circuits of wind turbines	42
Figure A.1 – Processes involved in the formation of a cloud-to-ground flash	57
Figure A.2 – Typical profile of a negative cloud-to-ground flash (not to scale)	58
Figure A.3 – Definitions of short stroke parameters (typically $T_2 < 2$ ms).....	58
Figure A.4 – Definitions of long stroke parameters (typically 2 ms < $T_{long} < 1$ s) (Figure A.2 in IEC 62305-1)	59
Figure A.5 – Possible components of downward flashes (typical in flat territory and to lower structures) (Figure A.3 in IEC 62305-1)	60
Figure A.6 – Typical profile of a positive cloud-to-ground flash	60
Figure A.7 – Typical profile of a negative upward initiated flash	61
Figure A.8 – Possible components of upward flashes (typical to exposed and/or higher structures) (Figure A.4 in IEC 62305-1).....	63
Figure C.1 – Types of wind turbine blades	85
Figure C.2 – Lightning protection concepts for large modern wind turbine blades	87
Figure C.3 – Lightning induced voltages between lightning conductor or structure and sensor wiring	90
Figure D.1 – Initial leader attachment test setup A (specimen should be tested in several positions representing different directions of the approaching leader).....	99

Figure D.2 – Possible orientations for the initial leader attachment test setup A.....	100
Figure D.3 – Leader connection point must be away from test specimen.....	101
Figure D.4 – Initial leader attachment test setup B	102
Figure D.5 – Arrangement for local protection device (e.g. diverter) – Evaluations test setup C	103
Figure D.6 – Typical switching impulse voltage rise to flashover (100 µs per division)	104
Figure D.7 – Swept channel test arrangement.....	108
Figure D.8 – Lightning impulse voltage waveform (Figure 6 in IEC 60060-1).....	108
Figure D.9 – Lightning impulse voltage waveform showing flashover on the wave front (Figure 7 in IEC 60060-1)	109
Figure D.10 – Typical jet diverting test electrodes.....	112
Figure D.11 – High-current test arrangement for non-conductive surfaces	114
Figure D.12 – Example of an arrangement for conducted current tests	117
Figure E.1 – Rolling sphere model	120
Figure E.2 – Mesh with large mesh dimension for nacelle with GFRP cover.....	121
Figure E.3 – Mesh with small mesh dimension for nacelle with GFRP cover.....	121
Figure E.4 – Two cabinets both defined as LPZ 2 connected via the shield of a shielded cable.....	122
Figure E.5 – Example: Division of wind turbine into different lightning protection zones	123
Figure E.6 – Example of how to document LPMS division of electrical system into protection zones with indication of where circuits cross LPZ boundaries and showing the long cables running between tower base and nacelle	123
Figure F.1 – Point-to-point installation scheme (Figure 53E in IEC 60364-5-53).....	125
Figure F.2 – Earthing connection installation scheme (Figure A.1 in IEC 60364-5-53).....	125
Figure G.1 – Two control cabinets located on different metallic planes inside a nacelle	128
Figure G.2 – Magnetic coupling mechanism.....	129
Figure G.3 – Measuring of transfer impedance.....	131
Figure H.1 – Example circuit of a SPD discharge current test under service conditions	134
Figure H.2 – Example circuit of an induction test due to lightning currents	134
Figure I.1 – Minimum length (l_1) of each earth electrode according to the class of LPS (Figure 2 in IEC 62305-3)	138
Figure I.2 – Frequency dependence on the impedance to earth (adapted from Cigré WG C.4.4.02 July 2005 [49])	139
Figure J.1 – Example of measuring points.....	143
Figure K.1 – Blade outlines for marking locations of damage	147
 Table 1 – Maximum values of lightning parameters according to LPL (Table 5 in IEC 62305-1)	21
Table 2 – Minimum values of lightning parameters and related rolling sphere radius corresponding to LPL (Table 6 in IEC 62305-1).....	22
Table 3 – Collection areas A_l and A_j of service line depending on whether aerial or buried (corresponds to Table A.3 in IEC 62305-2).....	26
Table 4 – Parameters relevant to the assessment of risk components for wind turbine (corresponds to Table 8 in IEC 62305-2).....	28

Table 5 – Minimum dimensions of conductors connecting different bonding bars/points or connecting bonding bars/points to the earth termination system (Table 8 in IEC 62305-3)	45
Table 6 – Minimum dimensions of conductors connecting internal metal installations to the bonding bar/point (Table 9 in IEC 62305-3)	45
Table 7 – LPS General inspection intervals.....	54
Table A.1 – Cloud-to-ground lightning current parameters (adapted from Table A.1 in IEC 62305-1)	59
Table A.2 – Upward initiated lightning current parameters	62
Table A.3 – Summary of the lightning threat parameters to be considered in the calculation of the test values for the different LPS components and for the different LPL (Table D.1 in IEC 62305-1)	64
Table B.1 – Sources of damage, types of damage and types of loss according to point of strike (corresponds to Table 1 in IEC 62305-2)	67
Table B.2 – Risk in a wind turbine for each type of damage and of loss (corresponds to Table 2 in IEC 62305-2).....	68
Table B.3 – Values of probability, P_A , that a lightning flash to a wind turbine will cause shock to living beings due to dangerous touch and step voltages (corresponds to Table B.1 in IEC 62305-2).....	71
Table B.4 – Values of probability, P_B , depending on the protection measures to reduce physical damage (corresponds to Table B.2 in IEC 62305-2)	71
Table B.5 – Values of probability P_{SPD} as a function of the LPL for which the SPDs are designed (Table B.3 in IEC 62305-2)	72
Table B.6 – Values of probability, P_{LD} , depending on the resistance, R_S , of the cable screen and the impulse withstand voltage, U_W , of the equipment (Table B.6 in IEC 62305-2)	73
Table B.7 – Values of probability, P_{LL} , depending on the resistance, R_S , of the cable screen and the impulse withstand voltage, U_W , of the equipment (Table B.7 in IEC 62305-2)	74
Table B.8 – Values of reduction factors r_a and r_u as a function of the type of surface of soil or floor (corresponds to Table C.2 in IEC 62305-2).....	76
Table B.9 – Values of reduction factor r_p as a function of provisions taken to reduce the consequences of fire (Table C.3 in IEC 62305-2)	76
Table B.10 – Values of reduction factor r_f as a function of risk of fire of the wind turbine (corresponds to Table C.4 in IEC 62305-2)	76
Table B.11 – Values of factor h_Z increasing the relative amount of loss in presence of a special hazard (corresponds to Table C.5 in IEC 62305-2).....	77
Table B.12 – Typical mean values of L_t , L_f and L_o (corresponds to Table C.7 in IEC 62305-2)	77
Table B.13 – Values of factor K_d as a function of the characteristics of the shielded service line (corresponds to Table D.1 in IEC 62305-2).....	79
Table B.14 – Values of factor K_p as a function of the protection measures (Table D.2 in IEC 62305-2)	79
Table B.15 – Impulse withstand voltage U_W as a function of the type of cable (Table D.3 in IEC 62305-2)	79
Table B.16 – Impulse withstand voltage U_W as a function of the type of apparatus (Table D.4 in IEC 62305-2)	79
Table B.17 – Values of probability P'_B , P'_C , P'_V and P'_W as function of the failure current I_a (Table D.5 in IEC 62305-2)	80
Table C.1 – Material, configuration and minimum nominal cross-sectional area of air-termination conductors, air-termination rods and down conductors (corresponds to Table 6 in IEC 62305-3, future edition 2').....	92

Table C.2 – Physical characteristics of typical materials used in lightning protection systems (Table D.2 in IEC 62350-1)	93
Table C.3 – Temperature rise [K] for different conductors as a function of W/R (Table D.3 in IEC 62305-1)	94
Table E.1 – Definition of lightning protection zones according to IEC 62305-1	119
Table F.1 – Discharge and impulse current levels for TN systems given in IEC 60364-5-53	127
Table F.2 – Example of increased discharge and impulse current levels for TN systems	127
Table I.1 – Impulse efficiency of several ground rod arrangements relative to a 12 m vertical ground rod (100 %) (adapted from Cigré WG C.4.4.02 July 2005).....	140
Table I.2 – Symbols used in Tables I.3 to I.6	140
Table I.3 – Formulae for different earthing electrode configurations	141
Table I.4 – Formulae for buried ring electrode combined with vertical rods	142
Table I.5 – Formulae for buried ring electrode combined with radial electrodes.....	142
Table I.6 – Formulae for buried straight horizontal electrode combined with vertical rods	142
Table J.1 – Measuring points and resistances to be recorded	144

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