



NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI
IEC

62305-2

Edition-1
2004-01

Project: IZRAČUN OCENE TVEGANJA -PRIZIDEK ŠOLSKI CENTER CELJE

Collection Area Results:

Ad - collection area of direct strikes to the structure	6,049 m ²
Nd - average number of direct strikes to the structure per year	0,006 flashes/year
Am - collection area of structure influenced by induced overvoltages from indirect strikes	224,118 m ²
Nm - average number of strikes direct to ground or to grounded objects near the structure inducing overvoltages	0,896 flashes/year
Ac1 - collection area of overhead line to direct strikes	1,728 m ²
NL1 - average number of strikes direct to the overhead line per year which are potentially dangerous	0,002 flashes/year
Al1 - collection area of overhead line to indirect strikes	75,000 m ²
NI1 - average number of annual indirect strikes to ground near the overhead line which induce damaging overvoltages	0,000 flashes/year
Ac2 - collection area of underground line to direct strikes	720 m ²
NL2 - average number of strikes direct to the underground line per year which are potentially dangerous	0,001 flashes/year
Al2 - collection area of underground line to indirect strikes	37,500 m ²
NI2 - average number of annual indirect strikes to ground near the underground line which induce damaging overvoltages	0,000 flashes/year

Category 1 - Loss of Human Life:

RA1 - risk of dangerous touch and step potentials inside and outside the structure from a direct strike to the structure	6,05E-09
RB1 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the structure	1,51E-06
RC1 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the structure	0,00E+00
RM1 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the structure	0,00E+00
RU1 - risk of dangerous touch and step potentials inside and outside the structure from a direct strike to the service lines	1,30E-10
RV1 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the service lines	1,62E-07
RW1 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the service lines	0,00E+00
RZ1 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the service lines	0,00E+00

Category 2 - Loss of Essential Services:

RB2 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the structure	0,00E+00
RC2 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the structure	0,00E+00
RM2 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the structure	0,00E+00
RV2 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the service lines	0,00E+00
RW2 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the service lines	0,00E+00
RZ2 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the service lines	0,00E+00

Category 3 - Loss of Cultural Heritage:

RB3 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the structure	0,00E+00
RV3 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the service lines	0,00E+00

Category 4 - Economic Loss:

RA4 - risk of dangerous touch and step potentials inside and outside the structure from a direct strike to the structure	0,00E+00
RB4 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the structure	1,21E-06
RC4 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the structure	1,81E-07
RM4 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the structure	8,96E-06
RU4 - risk of dangerous touch and step potentials inside and outside the structure from a direct strike to the service lines	0,00E+00
RV4 - risk of destruction due to fire, explosion, mechanical, chemical damage from a direct strike to the service lines	1,30E-07
RW4 - risk of electrical / electronic equipment failure due to overvoltage from a direct strike to the service lines	1,30E-07
RZ4 - risk of electrical / electronic equipment failure due to overvoltage from an indirect strike to the service lines	0,00E+00

IEC Risk Assessment Calculator: Version 3.0.3

Database: Version 1.0.6

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The IEC lightning risk assessment calculator is intended to assist in the analysis of various criteria to determine the risk of loss due to lightning. It is not possible to cover each special design element that may render a structure more or less susceptible to lightning damage. In special cases, personal and economic factors may be very important and should be considered in addition to the assessment obtained by use of this tool. It is intended that this tool be used in conjunction with the written standard IEC62305-2.