



# NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI  
IEC

62305-2

Edition-1  
2004-01

Project: IZRAČUN OCENE TVEGANJA SMEL - VRTEC LAPORJE

## Structure's Attributes:

Length of structure (m): 41  
Width of structure (m): 39  
Height of roof plane (m)\*: 9  
Equivalent area (m2): 8.210 m2

## Structure's Dimensions:

Location relative to surroundings: Similar in height  
Location density (service line density): Urban  
Number thunderdays: 41 days/year  
Equivalent annual flash density: 4,1 flashes/km2

## Structure's Attributes:

Risk of fire or physical damage: Ordinary  
Structure screening effectiveness: Average  
Internal wiring type: Unscreened

## Protection Measures:

LPS type: Level IV - 84%  
Fire protection level: Manual systems  
Surge protection: Full SPD set IEC62305-4

## Conductive Service Lines:

### Power Line:

Type of service to the structure: Buried cable  
Type of external cable: Unscreened  
Presence of MV / LV transformer: No Transformer

## Other Overhead Services:

Number of conductive services: 0  
Type of external cable: Unscreened

## Other Underground Services:

Number of conductive services: 4  
Type of external cable: Unscreened

## Loss Categories:

### Category 1 - Loss of Human Life:

Special hazards to life: Average panic level  
Life loss due to fire: Commercial, schools...  
Life loss due to overvoltages: No safety critical systems

### Category 2 - Loss of Essential Services:

Services lost due to fire: No service exist  
Services lost due to overvoltages: No service exist

### Category 3 - Loss of Cultural Heritage:

Cultural heritage lost due to fire: No heritage value

### Category 4 - Economic Loss:

Special economic hazards: No special hazards  
Economic loss due to fire: Office, school  
Economic loss due to overvoltage: Museum, school  
Step - touch potential loss factor: No shock risk  
Tolerable risk of economic loss: 1 in 1,000 yrs

## Calculated Risks:

	<i>Tolerable Risk Rt</i>	<i>Direct Strike Risk Rd</i>	<i>Indirect Strike Risk Ri</i>	<i>Calculated Risk R</i>
Loss of Human Life:	1,00E-05	4,22E-06	2,77E-07	4,50E-06
Loss of Essential Services:	1,00E-03	0,00E+00	0,00E+00	0,00E+00
Loss of Cultural Heritage:	1,00E-03	0,00E+00	0,00E+00	0,00E+00
Economic Loss:	1,00E-03	3,87E-06	2,92E-05	3,31E-05