

LIGHTNING ACTIVITY	By City: Aucun	By lightning density Ng : 2.60
STRUCTURE	Length L(m) : 56	Width W(m) : 50 Height (m) : 22 Chimney/Tower height (m) 0
ELECTRIC LINE	Electric line Underground	Variables Calculations of the constituents of the risk Equivalent exposition surface (m²) Building Ad1 = 3.048E+004 Tower/Chimney Ad2= 0.000E+000 Structure Ad = 3.048E+004 Line Ai = 2.000E+004 Probability of dangerous events On the structure N= 3.96E-002 On the line Ni = 0.00E+000 Probability of physical damage On the structure Pr= 5.00E-002 On the line Pi = 5.00E-002 Resultant risk R1: Loss of human life = 9.90E-006 R2: Loss of service = 0.00E+000 R3: Loss of cultural heritage = 1.98E-006 Bearable risk (normative) R1 < 1.0E-5, R2 < 1.0E-3, R3 < 1.0E-4
RELATIVE LOCATION OF THE STRUCTURE	Surrounded by similar or lower structures	
DANGER FOR THE PERSONS	Medium risk of panic (< 1000 persons)	
FIRE RISK	Normal	
OCCUPATION OF THE STRUCTURE	Normally occupied	
SERVICE	No	
LIGHTNING COND.	Necessary Niveau protection II	
SURGE ARRESTER	Necessary Characteristics I imp >= 12.5 kA	
RESULT OF THE RISK ASSESSMENT	R1: Loss of human life THE PROTECTION IS SATISFACTORY R2: Loss of service THE PROTECTION IS SATISFACTORY R3: Loss of cultural heritage THE PROTECTION IS SATISFACTORY	