

SiLK – safety and security matrix

Potential risk (incident)

Fire
Technical failure
Inattention, carelessness (e.g. camp fire, cigarette, candle, soldering iron, welding apparatus, iron, unsupervised open fire)
Arson
Spreading fire/forest fire
Lightning strike

Flooding
Flood (high water level due to overloaded sewers or similar)
Surface water following heavy rain
Rising groundwater
Tidal wave
Fire extinguishing water

Theft
By staff (internal)
By visitor or user (external)
Burglary
Robbery

Vandalism
Deliberate attacks/Vandalism for political or religious motives
Vandalism as a result of rage or confusion
Boisterous destructive behavior/Vandalism for 'fun' (e.g. graffiti)

Accidents/malfunctions
Technical defects (e.g. power outage, water pipe breakage, network failure, technical system malfunction)
Human error (e.g. transport damage due to mishap, incorrect response in emergency)
Accident (e.g. missing child lock, during building work, shipping)
Building failure (e.g. roof collapse)

Deterioration/wear and tear
Deterioration through use (Damage to valuable floors by visitor traffic, archives, musical instruments, books)
Improper handling by visitors or users (e.g. careless handling of books and archive materials), by staff (e.g. incorrect cleaning, repair, restoration) or external parties (e.g. construction work), third-party events/users
Damage caused by unauthorized and negligent touching and use/vandalism through ignorance (e.g. rucksacks, touching artworks)
Lending/transit
Setting up and dismantling exhibitions (lack of time and personnel)

Climate
Extreme weather events (heat, cold)
Temperature fluctuations
Heat load from electrical equipment (lights, electrical appliances), oil and gas heating
Raised temperatures due to visitors
Humidity (too high, too low, fluctuations)

Light
Artificial lighting (intensity, spotlights)
Bright lights during film and photoshoots
Daylight (direct sunlight, indirect light/brightness/UV radiation)

Pests and mold
Animal pests
Microorganisms (mold)

Pollutants
Pollutants/toxins (e.g. wood preservative, asbestos, insecticides)
Environmental toxins (e.g. acid rain, exhaust gases)

Severe weather
Gales/storms
Lightning
Heavy/continuous rain
Snow/ice
Hail

Earthquakes
Natural tremors (earthquakes, unstable subsoil)
Mining region
Underground construction work

Violence
Armed conflict
Terrorism (e.g. bomb threats, hostage-taking, murder)
Civil disorder (e.g. unrest, turmoil, riots)