# everbridge™

# Risk Intelligence Monitoring Center (RIMC) Categorization Guide

An Everbridge Product

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Everbridge, Inc.
155 N. Lake Avenue, 9th Floor
Pasadena, California 91101 USA
Toll-Free (USA/Canada) +1.888.366.4911

Visit us at www.everbridge.com

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# Everbridge Risk Intelligence Monitoring Center (RIMC) Risk Events

Everbridge Risk Intelligence Monitor Center (RIMC) uses a team of analysts, leveraging many diverse information sources, to provide early warning of risk events at all levels, from neighborhood to international.

# Everbridge RIMC Risk Event Feeds

The Everbridge RIMC team produces the following Risk Event feeds for Everbridge CEM.

| RIMC Feed | Description |
|---|---|
| RIMC Advisories | Advisories from the Risk Intelligence Monitoring Center are derived from thousands of trustworthy data sources and curated by an experienced team of analysts. They provide global intelligence about future and ongoing safety, security, and health risks. |
| RIMC Global Flashpoints | Global flashpoints from the Risk Intelligence Monitoring Center provide summaries and analyses of events or conditions in a country. Each flashpoint includes the assessment of RIMC's professional analysts about the potential impact on travel and security. |
| RIMC COVID-19 | The Risk Intelligence Monitoring Center monitors multiple sources including local/national health agencies, Johns Hopkins University, the CDC, the WHO, and many more to provide verified, real-time data about COVID-19. |
| RIMC Powered by NC4 | The Risk Intelligence Monitoring Center combines thousands of trustworthy data sources with an experienced team of analysts to provide verified, real-time data about potentially threatening events around the world. |
| RIMC Situation Reports | Situation reports from the Risk Intelligence Monitoring Center provide timely, in-depth, contextual information about events that may impact organizational strategic planning, assets, supply chain resiliency, and traveler and corporate security. These long-form reports include the latest developments of tactical and strategic importance on complex events worldwide. Situation reports may also cover complex, long-term developments around the globe such as terrorism, drug wars, piracy, and civil unrest. Also covered are significant outbreaks of infectious diseases, particularly virulent and widespread seasonal illnesses and health related developments. |

# Viewing RIMC Risk Event Feeds in Visual Command Center

RIMC intelligence is viewed in Visual Command Center in Risk Events.

# Everbridge RIMC Risk Event Severities

The four severity levels are assigned by RIMC analysts based on aspects of an event related to casualties, damage, related disruptions, situational context, and geographic impact. Proximity of a Risk Event to any client's asset location is not a factor in severity level considerations.

| Severity | Description |
|---|---|
| Extreme | Extraordinary events which generally garner widespread international attention. Only the most intense and impactful Risk Events reach this severity level. Pertinent examples include:<br>• Most Category 4 and 5 hurricanes<br>• The 2020 explosion at the Port of Beirut in Lebanon<br>• The 2019 shooting attacks at two mosques in Christchurch, NZ<br>• The 2018 Camp Fire which burned in California<br>• The 2017 flooding along the Gulf Coast caused by Hurricane Harvey |
| Severe | Events that result in extensive casualties or damage as well as developing situations which pose an immediate threat to the general public. Severe events also include those that are significantly disruptive and/or have a geographic footprint of a city, several counties, state/province, or potentially national/international depending, on context and level of disruption. Examples include:<br>• An active shooter situation on an educational or professional campus<br>• A stabbing attack at a landmark where previous violent attacks have occurred<br>• A fire at a chemical plant causing evacuations and shelter-in-place orders in the surrounding areas<br>• Widespread flooding in a state/province or flooding that causes thousands of evacuations in a smaller geographic area<br>• Most Category 1-3 hurricanes |
| Moderate | Moderate events include those with a larger number of casualties, cause more damage, or involve more disruptive impacts than what is commonplace. They may also include situations that would normally be classified as Minor, except that they are occurring at a sensitive location. Moderate events may also span a geographic area of several neighborhoods to connected counties, depending on context. Examples include:<br>• Most shootings with 4 or more victims (not an active-shooter situation) |

| | |
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| | • An isolated shooting at some sensitive locations and where there is no ongoing threat<br>• A chemical release causing evacuations in surrounding areas and with several people seriously injured<br>• A fire at a factory involving hazardous material but posing no threat to surrounding areas<br>• Flooding that causes homes in low-lying areas of a county to be evacuated |
| Minor | Minor events typically reflect more routine developments that pose minimal threat to life or property and are unlikely to adversely impact local operations outside of the immediate vicinity of the scene. The geographic span of a Minor Risk Event is typically limited to a single location or several connected roads. Examples include:<br>• Most shootings involving few victims<br>• A chemical spill causing the evacuation of a small business<br>• 1- or 2-alarm structure fires<br>• Street flooding isolated to a part of a city |

NOTE: Similar Risk Events in different countries will sometimes receive different severity levels due to local conditions. Severity level criteria may vary between CEM categories.

# CEM Alert Settings Mapping to RIMC Severity

The following table describes the CEM alert settings mapping to RIMC severity.

| Visual Command Center Alert Settings | Everbridge CEM Severity |
|---|---|
| High | Severe, Extreme |
| Medium | Moderate, Severe, Extreme |
| All | Unknown, Minor, Moderator, Severe, Extreme, Minor |
| None | - |

# Everbridge CEM Risk Event Categories

RIMC analysts monitor all-hazards Risk Events worldwide 24x7. The Risk Event category is assigned by the analyst based on the information available at the time.

| CEM Category | CEM Subcategory |
|---|---|
| Civil Unrest | • Armed Clash<br>• Aviation Workers Strike<br>• Cargo Transportation Strike<br>• Civil Demonstration<br>• Civil Rioting<br>• Civil Service Strike<br>• Energy Sector Strike<br>• General Civil Unrest<br>• General Strike<br>• Industrial Strike<br>• Medical Service Strike<br>• Mine Workers Strike<br>• Planned Strike<br>• Port Strike<br>• Public Transportation Strike |
| Conflict/War | • Coup<br>• General Armed Conflict<br>• Military Operation |
| Crime | • Bank Robbery<br>• Disturbance<br>• General Violent Crime<br>• Hostage<br>• Office-Involved Shooting<br>• Police/Security Forces Response<br>• Robbery<br>• School Lockdown<br>• Shooting<br>• Stabbing |
| Hazmat/Fire | • Biohazard<br>• Brushfire<br>• Chemical Agent Release<br>• Chemical Explosion<br>• Chemical Spill<br>• Electric Fire<br>• Emergency Response<br>• Explosive Materials |

| | |
|---|---|
| | <ul><li>Fumes</li><li>General HAZMT/Fires</li><li>Industrial Fire</li><li>Maritime Fire</li><li>Natural Gas Leak</li><li>Non-Residential Fire</li><li>Oil/Fuel Spill</li><li>Radioactive Agent</li><li>Structure Fire</li><li>Train Fire</li><li>Vehicle Fire</li><li>Wildfire</li></ul> |
| Health/Disease | <ul><li>Air Quality</li><li>Disease Outbreak</li><li>Food Advisory</li><li>General Health/Disease</li><li>Public Health Advisory</li><li>Quarantine</li></ul> |
| Local Disaster | <ul><li>Avalanche</li><li>Building Collapse</li><li>Dam Collapse</li><li>Evacuation</li><li>General Local Disasters</li><li>Landslide</li><li>Mine Incident</li><li>Partial Collapse</li><li>State of Emergency</li><li>Structure Collapse</li><li>Subsidence</li><li>Tunnel Collapse</li><li>Unsafe Structure</li></ul> |
| Natural Disaster | <ul><li>Atmospheric/Space</li><li>Earthquake</li><li>General Natural Disaster</li><li>Tropical Cyclone/Hurricane</li><li>Tsunami</li><li>Volcanic Eruption</li></ul> |
| Other Security | <ul><li>Curfew</li><li>Cyberattack</li><li>General Security</li><li>Homeland Security Advisory</li><li>Public Safety Advisory</li><li>Stampede</li></ul> |

| Other Weather | |
|---|---|
| NOTE: The Other Weather category contains weather Risk Events that Everbridge ingests from secondary sources, for example, RIMC or Anvil. Weather Risk Events from primary sources, for example, NWS, appear in the Weather category. | • Flood<br>• General Weather<br>• Storm<br>• Tornado<br>• Winter Weather |
| Terrorism/Suspicious Activity | • Bioterrorism/Chemical Terrorism<br>• Bomb Detected<br>• Bomb Explosion<br>• Bomb Threat<br>• General Terrorism<br>• Insurgent Attack<br>• Radiological/Nuclear Device<br>• Suspicious Activity<br>• Suspicious Object<br>• Terrorism Advisory<br>• Terrorist Attack |
| Transportation | • Air Accident<br>• Air Traffic Delay<br>• Aircraft Fire<br>• Aircraft Incident<br>• Airliner Crash<br>• Airport Closure<br>• Airspace Restriction<br>• Border Closure<br>• Bridge Collapse<br>• Emergency Landing<br>• Flight Disruption<br>• General Transportation<br>• Helicopter Crash<br>• Maritime Disruption<br>• Plane Crash<br>• Port Closure<br>• Public Transportation Disruption<br>• Rail Accident<br>• Roadway Closure<br>• Supply Chain Disruption |

| | |
|---|---|
| | • Train Derailment<br>• Travel Advisory<br>• Vehicle Accident<br>• Waterway Closure |
| Utility/Infrastructure | • Boil Water Advisory<br>• Drinking Water<br>• Fuel Disruption<br>• Gas<br>• General Utility/Infrastructure<br>• Network Outage<br>• Power<br>• Production Stoppage<br>• Rolling Blackout<br>• Sewage<br>• Telecommunications<br>• Water Main Break |

# Severity Levels Within Risk Event Categories

For severity levels within incident categories, RIMC analysts first assign the severity level to each Risk Event based on the information available at the time the Risk Event is created. As a Risk Event develops, or more information about it is identified, the initial severity level assigned may be adjusted up or down, depending on circumstances. When assigning or updating the severity level of a Risk Event, the analysts consider category-specific elements as shown in the table below.

## Civil Unrest Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | <ul><li>Minimally disruptive labor strikes involving smaller organizations, a single facility, or involving non-critical industry</li><li>Peaceful protests that do not result in major disruptions</li><li>Localized curfews</li></ul> |
| Moderate | <ul><li>Strikes causing/potential to cause measurable disruptions (but not crippling disruptions) to critical industry</li><li>Strikes involving multiple facilities over a wide geographic area</li><li>Violent confrontations between non-government groups resulting relatively few casualties or disruptive impacts</li><li>Peaceful protests that are causing measurable disruptions due to civil disobedience or the number of participants</li><li>Protests in which clashes, arrests, or damage have occurred but in which violence is not widespread</li><li>A riot impacting a relatively small area and/or number of participants with a relatively small amount of damage</li><li>Curfews ordered for a town or smaller city</li></ul> |
| Severe | <ul><li>Labor strikes causing crippling disruptions to critical industries</li><li>Strikes affecting production/operations across a large geographic area</li><li>Strikes impacting essential supply chains</li><li>Civil unrest or clashes between tribes, militias, etc. resulting in higher levels of violence or prolonged disruptions to populated areas</li><li>Curfews impacting a major city or large portion of a state/province</li><li>Peaceful protests involving hundreds of thousands of participants or widespread protest activity across a region</li></ul> |

|  | • Intense clashes between protesters and police or counter-protesters. May involve the use of crowd dispersal devices by authorities.<br>• Rioting involving numerous casualties and widespread looting and damage. |
|---|---|
| Extreme | • A strike severely disrupting a major international port<br>• An airline strike completely shutting down air travel across a large nation<br>• Civil unrest in a major city within a developed nation involving high levels of violence, widespread damage, and infrastructure interruptions |

## Conflict/War Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | Due to the security and operational implications, Minor severity is not applicable in this category. |
| Moderate | • Limited, cross-border skirmishes between nations in conflict with one another<br>• Attacks by a nation's military in a populated area resulting in few civilian casualties |
| Severe | • A coup with limited clashes or casualties and/or limited impacts to shipping and transportation or other critical operations |
| Extreme | • Coups resulting in major and widespread violence<br>• Coups causing prolonged border closures, airport/port disruptions, or other regional implications<br>• Larger nations involved in prolonged fighting<br>• Declaration of war between developed nations |

## Crime Severity Levels

| Severity Level | Risk Event Types |
|---|---|
| Minor | • Scope of the event is street or neighborhood level<br>• Minimal likelihood for escalation<br>• Not occurring at a sensitive location<br>• Few casualties – typically fewer than 4 victims<br>• A standard law enforcement response for the type of incident |
| Moderate | • Impacts may span beyond the immediate scene or neighborhood |

- Use-of-force by law enforcement spurring a spontaneous protest
- Shooting or stabbing at some sensitive locations and/or resulting in a higher number of victims
- An unusually large response by law enforcement
- Lockdowns impacting several nearby locations or multiple neighborhoods
- An escalating situation posing a limited threat to life and/or property in the immediate area
- May disrupt operations or transportation nearby

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| Severe | - A high number of casualties<br>- Occurring at a sensitive or high occupancy location<br>- An attack or active-shooter situation at a sensitive location<br>- An active and immediate threat to the general public<br>- Widespread impacts in a populated area |
| Extreme | - Security implications of an international or global scale<br>- A coordinated/planned attack resulting in numerous casualties<br>- Lockdowns impacting a metropolitan area or region |

## Hazmat/Fire Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | - Localized incidents<br>- Evacuations are limited to the scene and its immediate vicinity<br>- Street or neighborhood-level impact<br>- Limited secondary impacts<br>- Routine emergency response<br>- Small leaks or spills of common substances |
| Moderate | - Disruptions impacting areas outside the immediate vicinity of the scene<br>- A few fatalities or serious injuries<br>- Local evacuations<br>- More sensitive, public spaces involved<br>- Hazardous material involvement at an industrial location with minimal impacts outside the scene |
| Severe | - Multiple large structures involved<br>- Evacuation zones outside of the immediate area<br>- Industrial fires with significant hazmat involvement<br>- National or regional impact level |

|  | |
|---|---|
|  | • Serious, widespread damage to structures<br>• Disruptions to urban infrastructure<br>• Significant casualties or the possibility of large-scale casualties |
| Extreme | • Tens of thousands of structures impacted<br>• Hundreds of thousands evacuated<br>• Critical threat to a large population<br>• Serious radioactive threats or leaks<br>• Regional, national, or global impacts |

## Health/Disease Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Relatively few persons quarantined<br>• Tactical response by authorities to an emerging highly infectious disease – involving a low number of exposed/ infected persons<br>• Precautionary response |
| Moderate | • Dozens of people quarantined<br>• Tactical response to an emerging highly infectious disease involving a larger number of exposed/infected persons<br>• A localized disease outbreak impacting a small area |
| Severe | • A state/provincial or regional quarantine<br>• A large region or country impacted by an emerging highly infectious disease |
| Extreme | • Millions of people quarantined<br>• Multiple countries affected by a lethal, infectious disease<br>• An emerging disease outbreak resulting in border closures, travel restrictions, widespread production stoppages, etc. |

## Local Disaster Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Minimally disruptive on a local level<br>• Minimal secondary impacts or damage<br>• Few or no casualties<br>• Small-scale structure involvement |
| Moderate | • Secondary impacts disrupt local shipping or transportation<br>• Evacuations may impact up to a few thousand people<br>• Major damage to large structures |

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|---|---|
| | • Multiple injuries or fatalities<br>• Collapses impacting major highways/freeways<br>• Tropical storm-strength storms are at least Moderate (severity may be higher depending on impacts) |
| Severe | • Many injuries or fatalities<br>• Extensive damage to structures and infrastructure<br>• Widespread evacuations or those impacting thousands of people<br>• Major building collapses in densely populated areas<br>• Secondary impacts pose a threat to life and property<br>• Major impact to transportation infrastructure |
| Extreme | • Regional or global impacts<br>• Millions impacted by evacuations<br>• Devastating damage across a wide area<br>• Crippling impacts to regional critical services |

## Natural Disaster Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Magnitude 4.0 to 4.9 earthquakes (impacts may impact severity) |
| Moderate | • Large city, county, or state-level impact<br>• Minor to moderate damage to structures<br>• Minor injuries<br>• Demonstrated secondary impacts of a non-critical nature<br>• Multiple injuries or fatalities<br>• Tropical storm-strength storms are at least Moderate (severity may be higher depending on impacts)<br>• Magnitude 5.0 to 5.9 earthquakes (impacts may increase severity) |
| Severe | • Impacts on a state/province or national level<br>• Numerous injuries or fatalities<br>• Extensive damage to structures or infrastructure<br>• Regional transportation or shipping disruptions or production stoppages<br>• All hurricane-strength tropical cyclones are at least Severe<br>• Widespread evacuations impacting thousands of people<br>• Magnitude 6.0+ earthquakes (impacts may elevate severity) |
| Extreme | • Supra-national or regional impact<br>• Catastrophic and devastating damage across a wide area |

| | |
|---|---|
| | • Regional or global impact or catastrophic impact to major metropolitan area<br>• Millions impacted by evacuations |

## Other Security Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Localized impact<br>• Minor injuries or no injuries involved |
| Moderate | • City or county-level impact<br>• Several significant injuries<br>• Significant secondary impacts |
| Severe | • Numerous injuries or fatalities<br>• Active threat to the area<br>• Impact to a sensitive location |
| Extreme | • Catastrophic injuries and fatalities<br>• Imminent threat to a large area |

## Other Weather Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Local, street, or neighborhood-level impact<br>• Minimal or no secondary impacts<br>• Little to no major damage |
| Moderate | • Impacted area may span from multiple locations within a city to a portion of a state/province<br>• Results in localized evacuations<br>• Moderate level of damage<br>• Disruptions to local transportation |
| Severe | • Impacted area may span from a state/province to part or all of a nation<br>• Smaller impact area with more significant impacts<br>• Widespread damage<br>• Major injuries or deaths<br>• Critical secondary impacts<br>• Disruption to critical industry |
| Extreme | • Supra-national or regional impact<br>• Widespread damage to core infrastructure<br>• Numerous deaths |

## Terrorism/Suspicious Activity Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • A bomb threat at a single location or two nearby locations<br>• Routine investigations into suspicious items<br>• Evacuation of the immediate vicinity |
| Moderate | • Evacuations of larger areas<br>• Routine investigation at a sensitive location<br>• Elevated response by law enforcement<br>• Insurgent or terrorist attacks involving few casualties |
| Severe | • A spate of bomb threats at locations across a large area<br>• Ongoing attacks posing an immediate threat to the area<br>• Higher casualty numbers<br>• Measurable secondary impacts to a city or region<br>• Terrorist actions involving nuclear material<br>• Potential for limited evacuations |
| Extreme | • Significantly high number of casualties<br>• Coordinated attacks in multiple locations<br>• Imminent nuclear threat connected to a terrorist group |

## Transportation Category Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Crashes involving few if any injuries<br>• Minimal impacts to the local area<br>• Train derailments involve a relatively few numbers of cars/ engines with no hazardous material concerns<br>• Closure of municipal or regional airports<br>• Temporary or localized interruption to public transportation<br>• Small aircraft involved<br>• The closure of a single lock or canal |
| Moderate | • The closure of a controlled-access roadway<br>• The closure of a port and larger airports will be at least Moderate<br>• Airplane or helicopter crashes into smaller structures or that disrupt transportation<br>• Crashes involving multiple casualties<br>• Smaller fires involving aircraft may cause evacuations or disrupt operations<br>• Border closures at a single location |

| | |
|---|---|
| | • Train accidents and derailments resulting in hazmat responses, multiple casualties, localized evacuations.<br>• System-wide disruptions to public transit in a populated area |
| Severe | • Aircraft fires resulting in large aircraft evacuations, prolonged disruptions to airport operations, or multiple casualties<br>• The closure of a large international airport for an extended time<br>• Extended port closures resulting in significant impacts<br>• Train accidents and derailments resulting in widespread hazmat concerns, widespread evacuations, or numerous casualties<br>• Some small airliner crashes (commuter or regional aircraft) may be Severe<br>• Aircraft crashes into commercial buildings or densely populated areas<br>• Closure of controlled-access highways over significant distances<br>• Region-wide disruptions to transportation |
| Extreme | • Downing or crashing of a major airliner<br>• Smaller aircraft crashes could be Extreme based on location, casualties, or other context<br>• Train collisions resulting in very high number of casualties or major hazmat concerns |

## Utility/Infrastructure Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • City, street or neighborhood impact<br>• Limited secondary effects |
| Moderate | • Large city/county service disruptions<br>• Wide-area secondary disruptions |
| Severe | • State or regional impact level<br>• Major metropolitan areas impacted for persistent timeframe |
| Extreme | • National/international impact<br>• Critical sectors inoperable for an extended time |

## Advisory Category Severity Levels

| Severity Level | Risk Event Impact |
|---|---|
| Minor | • Scope of the event: either city or street-level |

| | |
|---|---|
| | • Nuisance, but not critical planned events |
| Moderate | • Larger-scale events or protests<br>• Large city-county-small state or country scope of impact |
| Severe | • Nationwide<br>• Highly disruptive<br>• High probability or demonstrated level of destabilizing impacts |
| Extreme | • Regional or global impact level<br>• Excessively violent or destabilizing in nature |

NOTE: Risk Events under other categories may be classified as an Advisory if they are ongoing with little substantive change over time but continue to cause disruptions. Severity level considerations will be based on the original category type.