

# Calculated Priority Risk Index (CPRI) categories and risk levels



CPRI Category	Degree of Risk			Assigned Weighting Factor
	Level ID	Description	Index Value	
<b>Probability</b>	Unlikely	<ul style="list-style-type: none"> <li>Extremely rare with no documented history of occurrences or events.</li> <li>Annual probability of less than 0.001.</li> </ul>	1	45%
	Possibly	<ul style="list-style-type: none"> <li>Rare occurrences with at least one documented or anecdotal historic event.</li> <li>Annual probability that is between 0.01 and 0.001.</li> </ul>	2	
	Likely	<ul style="list-style-type: none"> <li>Occasional occurrences with at least two or more documented historic events.</li> <li>Annual probability that is between 0.1 and 0.01.</li> </ul>	3	
	Highly Likely	<ul style="list-style-type: none"> <li>Frequent events with a well documented history of occurrence.</li> <li>Annual probability that is greater than 0.1.</li> </ul>	4	
<b>Magnitude/ Severity</b>	Negligible	<ul style="list-style-type: none"> <li>Negligible property damages (less than 5% of critical and non-critical facilities and infrastructure).</li> <li>Injuries or illnesses are treatable with first aid and there are no deaths.</li> <li>Negligible quality of life lost.</li> <li>Shut down of critical facilities for less than 24 hours.</li> </ul>	1	30%
	Limited	<ul style="list-style-type: none"> <li>Slight property damages (greater than 5% and less than 25% of critical and non-critical facilities and infrastructure).</li> <li>Injuries or illnesses do not result in permanent disability and there are no deaths.</li> <li>Moderate quality of life lost.</li> <li>Shut down of critical facilities for more than 1 day and less than 1 week.</li> </ul>	2	
	Critical	<ul style="list-style-type: none"> <li>Moderate property damages (greater than 25% and less than 50% of critical and non-critical facilities and infrastructure).</li> <li>Injuries or illnesses result in permanent disability and at least one death.</li> <li>Shut down of critical facilities for more than 1 week and less than 1 month.</li> </ul>	3	
	Catastrophic	<ul style="list-style-type: none"> <li>Severe property damages (greater than 50% of critical and non-critical facilities and infrastructure).</li> <li>Injuries or illnesses result in permanent disability and multiple deaths.</li> <li>Shut down of critical facilities for more than 1 month.</li> </ul>	4	
<b>Warning Time</b>	Less than 6 hours	Self explanatory.	4	15%
	6 to 12 hours	Self explanatory.	3	
	12 to 24 hours	Self explanatory.	2	
	More than 24 hours	Self explanatory.	1	
<b>Duration</b>	Less than 6 hours	Self explanatory.	1	10%
	Less than 24 hours	Self explanatory.	2	
	Less than one week	Self explanatory.	3	
	More than one week	Self explanatory.	4	