



Hazard Resilience Index (HRI)

Terrorism

- Terrorism - General
- Terrorism - Biological
- Terrorism - Chemical
- Terrorism - Cyber Terrorism
- Terrorism - Explosives and Bombs
- Terrorism - Nuclear
- Terrorism - General
- Terrorism - Biological
- Terrorism - Chemical
- Terrorism - Cyber Terrorism
- Terrorism - Explosives and Bombs
- Terrorism - Nuclear

Terrorism

Please refer to the *Hazard Resilience Index Instructions (HRI)* document for more information on using this document.

Terrorism – General ^{1 2 3 4}

Hazard Resilience Rating	High Resilience <input type="checkbox"/>	Low Resilience <input type="checkbox"/>	Need More Info <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
---------------------------------	--	---	---	---

	Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive	<input type="checkbox"/>



				terrorism preparedness training	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities that are potential terrorism targets have emergency management plans and plans for containment of hazardous materials.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security in locations at high risk of a terrorist attack.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residents understand the need to and would report suspicious activities around facilities that are potential targets of explosives and bombs.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has provided terrorist education and training to residents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has regulations that prohibit development, limit land use, or require specific building codes for developments within areas with a high terrorism risk, such as residences in proximity to identified government or private sector facilities.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential terrorist attack and how to prepare for it.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential terrorist attack	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>

Terrorism – Biological 5 6 7 8

Hazard Resilience Rating High Resilience Low Resilience Need More Info Not Applicable

Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive terrorism preparedness training	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based biological terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities that are potential terrorism targets have emergency management plans and plans for containment of hazardous materials.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security in locations at high risk of a terrorist attack.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residents understand the need to and would report suspicious	<input type="checkbox"/>

				activities around biological laboratories or drug manufacturing plants that are potential targets of terrorist attacks.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has provided terrorist education and training to residents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has regulations that prohibit development, limit land use, or require specific building codes for developments within areas with a high terrorism risk, such as residences in proximity to biological laboratories or drug manufacturing plants.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential terrorist attack and how to prepare for it.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential terrorist attack	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>

Terrorism – Chemical 9 10 11 12

Hazard Resilience Rating	High Resilience <input type="checkbox"/>	Low Resilience <input type="checkbox"/>	Need More Info <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
---------------------------------	--	---	---	---

Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemical or other facilities that are potential terrorism targets have emergency management plans and plans for containment of hazardous materials.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive terrorism preparedness training	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based chemical terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security in locations at high risk of a terrorist attack.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residents understand the need to and would report suspicious activities around facilities that are potential targets of explosives and bombs.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has provided terrorist education and training to residents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has regulations that prohibit development, limit land use, or require specific building codes for developments within areas with a high terrorism risk, such as residences in proximity to chemical plants.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential terrorist attack and how to prepare	<input type="checkbox"/>

				for it.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential terrorist attack	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>

Terrorism – Cyber-terrorism 13 14 15

Hazard Resilience Rating	High Resilience <input type="checkbox"/>	Low Resilience <input type="checkbox"/>	Need More Info <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
---------------------------------	--	---	---	---

Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies back up all files and important information and documents offsite to help protect them from loss due to viruses or hardware damage.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies block spyware attacks by installing and updating anti-spyware software.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies have strict policies in place that prohibit staff and officials from accessing pornographic or illegal websites.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies protect remote and wireless network access by turning off computer s when not in use.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies regularly update all computer software.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies use an appropriate firewall to keep out hackers.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community offices and agencies use anti-virus software.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive terrorism preparedness training	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities that are potential terrorism targets have emergency management plans and plans for containment of hazardous materials.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security in locations at high risk of a terrorist attack.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential cyber-terrorist attack and how to prepare for it.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential cyber-terrorist attack	<input type="checkbox"/>

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--	--------------------------

Terrorism – Explosives and Bombs 16 17 18 19

Hazard Resilience Rating	High Resilience <input type="checkbox"/>	Low Resilience <input type="checkbox"/>	Need More Info <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
---------------------------------	--	---	---	---

Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Businesses that use explosives on a regular basis monitor usage and provide secure access to these explosives.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive terrorism preparedness training	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based explosive and bomb terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities that are potential terrorism targets have emergency management plans and plans.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security at facilities that are at high risk of a terrorist attack from explosive and bombs.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residents understand the need to and would report suspicious activities around facilities that are potential targets of explosives and bombs.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has provided terrorist education and training to residents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has regulations that prohibit development, limit land use, or require specific building codes for developments within areas with a high terrorism risk, such as residences in proximity to terrorist targets.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential explosive or bomb terrorist attack and how to prepare for it.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential explosive and bomb terrorist attack	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>

Terrorism – Nuclear 20 21 22 23 24

Hazard Resilience Rating	High Resilience <input type="checkbox"/>	Low Resilience <input type="checkbox"/>	Need More Info <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
---------------------------------	--	---	---	---

Yes	No	Need More Info	Not Applicable	FACTORS	This factor is important to my community
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community response agencies are communicating with preparedness agencies such as Public Safety Canada to receive terrorism preparedness training	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community-based nuclear terrorism exercises have taken place in the community-at-large (e.g., table-top or full-scale exercises)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nuclear facilities that are potential terrorism targets have emergency management plans and plans for containment of hazardous materials.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Police and/or security provide surveillance and security at nuclear facilities that are at high risk of a terrorist attack.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residents understand the need to and would report suspicious activities around facilities that are potential targets of explosives and bombs.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has plans in place for the evacuation of residents to safe shelters.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has plans which include banning food and water distribution, sheltering livestock, protecting animal feed and providing uncontaminated feed, especially to milk producing cows, goats, and sheep.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has provided terrorist education and training to residents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The community has regulations that prohibit development, limit land use, or require specific building codes for developments within areas with a high terrorism risk, such as residences in proximity to nuclear plants.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify community residents and businesses of a potential nuclear terrorist attack and how to prepare for it.	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is a warning system in place to notify police, fire and ambulance personnel of a potential nuclear terrorist attack	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audit mechanisms independent of local authorities are in place to ensure civil liberties are respected and maintained.	<input type="checkbox"/>

REFERENCES

- ¹ Gordon, James A. (2001). Risk Assessment and Management in Local Government Emergency Planning. Institute for Catastrophic Loss Reduction. Retrieved from http://www.iclr.org/images/Risk_assessment_and_management_in_local_government_emergency_planning.pdf.
- ² Public Safety and Emergency Preparedness Canada. (2005). The Chemical, Biological, Radiological and Nuclear Strategy of the Government of Canada. Retrieved from http://www.publicsafety.gc.ca/pol/em/fl/strat_e.pdf
- ³ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ⁴ Lemyre, L., Lee, J., Turner, M. & Krewski, D. (2007). Terrorism preparedness in Canada: a public survey on perceived institutional and individual response to terrorism. *International Journal of Emergency Management*, 4, 296-315.
- ⁵ Gordon, James A. (2001). Risk Assessment and Management in Local Government Emergency Planning. Institute for Catastrophic Loss Reduction. Retrieved from http://www.iclr.org/images/Risk_assessment_and_management_in_local_government_emergency_planning.pdf
- ⁶ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ⁷ Public Safety and Emergency Preparedness Canada. (2005). The Chemical, Biological, Radiological and Nuclear Strategy of the Government of Canada. Retrieved from http://www.publicsafety.gc.ca/pol/em/fl/strat_e.pdf
- ⁸ Lemyre, L., Lee, J., Turner, M. & Krewski, D. (2007). Terrorism preparedness in Canada: a public survey on perceived institutional and individual response to terrorism. *International Journal of Emergency Management*, 4, 296-315.
- ⁹ Gordon, James A. (2001). Risk Assessment and Management in Local Government Emergency Planning. Institute for Catastrophic Loss Reduction. Retrieved from http://www.iclr.org/images/Risk_assessment_and_management_in_local_government_emergency_planning.pdf
- ¹⁰ Public Safety and Emergency Preparedness Canada. (2005). The Chemical, Biological, Radiological and Nuclear Strategy of the Government of Canada. Retrieved from http://www.publicsafety.gc.ca/pol/em/fl/strat_e.pdf
- ¹¹ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ¹² Lemyre, L., Lee, J., Turner, M. & Krewski, D. (2007). Terrorism preparedness in Canada: a public survey on perceived institutional and individual response to terrorism. *International Journal of Emergency Management*, 4, 296-315.
- ¹³ Communications Security Establishment Canada. (n.d.). Welcome to the Communications Security Establishment Canada: Canada's national cryptologic agency. Retrieved from <http://www.cse-cst.gc.ca/index-eng.html>
- ¹⁴ King County Office of Emergency Management. (2009). King County Regional Hazard Mitigation Plan. Retrieved from <http://www.kingcounty.gov/safety/prepare/EmergencyManagementProfessionals/Plans/RegionalHazardMitigationPlan.aspx>
- ¹⁵ Public Safety Canada. (2011). Cyber-Security Information for Canadians. Retrieved June 15 2011 from <http://www.publicsafety.gc.ca/prg/ns/cbr/csi-eng.aspx#2>
- ¹⁶ Gordon, James A. (2001). Risk Assessment and Management in Local Government Emergency Planning. Institute for Catastrophic Loss Reduction. Retrieved from http://www.iclr.org/images/Risk_assessment_and_management_in_local_government_emergency_planning.pdf
- ¹⁷ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ¹⁸ Public Safety and Emergency Preparedness Canada. (2005). The Chemical, Biological, Radiological and Nuclear Strategy of the Government of Canada. Retrieved from http://www.publicsafety.gc.ca/pol/em/fl/strat_e.pdf
- ¹⁹ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ²⁰ Lemyre, L., Lee, J., Turner, M. & Krewski, D. (2007). Terrorism preparedness in Canada: a public survey on perceived institutional and individual response to terrorism. *International Journal of Emergency Management*, 4, 296-315.
- ²¹ Gordon, James A. (2001). Risk Assessment and Management in Local Government Emergency Planning. Institute for Catastrophic Loss Reduction. Retrieved from http://www.iclr.org/images/Risk_assessment_and_management_in_local_government_emergency_planning.pdf
- ²² Public Safety and Emergency Preparedness Canada. (2005). The Chemical, Biological, Radiological and Nuclear Strategy of the Government of Canada. Retrieved from http://www.publicsafety.gc.ca/pol/em/fl/strat_e.pdf
- ²³ Melchers, Robert E. (2002). Safety and Risk in Structural Engineering. *Progress in Structural Engineering and Materials*, 4:193–202.
- ²⁴ Lemyre, L., Lee, J., Turner, M. & Krewski, D. (2007). Terrorism preparedness in Canada: a public survey on perceived institutional and individual response to terrorism. *International Journal of Emergency Management*, 4, 296-315.
- ²⁵ Fingas, Merv. (2002). *The Handbook Of Hazardous Materials Spills Technology*. New York: McGraw-Hill