



2023 RANK
3

2023 SCORE
89

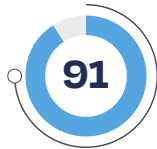
CHANGE SINCE 2020
+1

CANADA

Quantities and Sites



Security and Control Measures



Global Norms



Domestic Commitments and Capacity



Risk Environment



● High Score ● Medium Score ● Low Score ○ Index Median

0 20 40 60 80 100 **2023 Score** **Change since 2020**

| Category | Score | Change since 2020 |
|--|------------|-------------------|
| Quantities and Sites | 76 | +4 |
| ● Quantities of Nuclear Materials | 50 | 0 |
| ● Sites and Transportation | 88 | +13 |
| ● Material Production/Elimination Trends | 100 | 0 |
| Security and Control Measures | 91 | 0 |
| ● On-Site Physical Protection | 100 | 0 |
| ● Control and Accounting Procedures | 90 | 0 |
| ● Insider Threat Prevention | 82 | 0 |
| ● Physical Security During Transport | 100 | 0 |
| ● Response Capabilities | 100 | 0 |
| ● Cybersecurity | 88 | 0 |
| ● Security Culture | 75 | 0 |
| Global Norms | 91 | 0 |
| ● International Legal Commitments | 100 | 0 |
| ● Voluntary Commitments | 100 | 0 |
| ● International Assurances | 67 | 0 |
| ● Nuclear Security INFCIRCs | 100 | 0 |
| Domestic Commitments and Capacity | 100 | 0 |
| ● UNSCR 1540 Implementation | 100 | 0 |
| ● Domestic Nuclear Security Legislation | 100 | 0 |
| ● Independent Regulatory Agency | 100 | 0 |
| Risk Environment | 85 | -1 |
| ● Political Stability | 85 | -5 |
| ● Effective Governance | 100 | 0 |
| ● Pervasiveness of Corruption | 100 | 0 |
| ● Illicit Activities by Non-State Actors | 55 | 0 |

= denotes tie in rank

Scores are normalized (0–100, where 100 = most favorable nuclear security conditions)



SABOTAGE: PROTECT FACILITIES

2023 RANK
3

2023 SCORE
91

CHANGE SINCE 2020
-1

CANADA

Quantities and Sites



Security and Control Measures



Global Norms



Domestic Commitments and Capacity



Risk Environment



● High Score ● Medium Score ● Low Score ○ Index Median

0 20 40 60 80 100 **2023 Score** **Change since 2020**

| | | | | | |
|---|--|--|---|------------|-----------|
| | Number of Sites | | ○ | 60 | 0 |
| ● | Number of Sites | | ○ | 60 | 0 |
| | Security and Control Measures | | ○ | 91 | 0 |
| ● | On-Site Physical Protection | | ○ | 100 | 0 |
| ● | Control and Accounting Procedures | | ○ | 100 | 0 |
| ● | Insider Threat Prevention | | ○ | 82 | 0 |
| ● | Response Capabilities | | ○ | 100 | 0 |
| ● | Cybersecurity | | ○ | 88 | 0 |
| ● | Security Culture | | ○ | 75 | 0 |
| | Global Norms | | ○ | 96 | 0 |
| ● | International Legal Commitments | | ○ | 100 | 0 |
| ● | Voluntary Commitments | | ○ | 100 | 0 |
| ● | International Assurances | | ○ | 83 | 0 |
| ● | Nuclear Security INFCIRCs | | ○ | 100 | 0 |
| | Domestic Commitments and Capacity | | ○ | 100 | 0 |
| ● | UNSCR 1540 Implementation | | ○ | 100 | 0 |
| ● | Domestic Nuclear Security Legislation | | ○ | 100 | 0 |
| ● | Independent Regulatory Agency | | ○ | 100 | 0 |
| | Risk Environment | | ○ | 85 | -1 |
| ● | Political Stability | | ○ | 85 | -5 |
| ● | Effective Governance | | ○ | 100 | 0 |
| ● | Pervasiveness of Corruption | | ○ | 100 | 0 |
| ● | Illicit Activities by Non-State Actors | | ○ | 55 | 0 |

= denotes tie in rank

Scores are normalized (0–100, where 100 = most favorable nuclear security conditions)



Canada

| NATIONAL MEASURES | | |
|---|---|---|
| Regulatory Oversight | Does the country/area maintain a radioactive source regulatory oversight body? | Yes |
| Security Measures | Are there regulations that require security measures to be in place to protect radioactive sources? | Yes |
| State Registry | Does the state maintain a registry of radioactive sources? | No or no data available |
| Inspection Authority | Does the state have authority to inspect facilities with radioactive sources? | Yes |
| Export Licenses | Are there licensing requirements for exporting International Atomic Energy Agency (IAEA) Category 1 sources? | Yes |
| GLOBAL NORMS | | |
| IAEA Code of Conduct Status | Has the state made a political commitment and notified the IAEA of their intent to abide by the Code of Conduct on the Safety and Security of Radioactive Sources? | Yes |
| | Has the state notified the IAEA of their intent to abide by the Guidance on the Import and Export of Radioactive Sources? | Yes |
| | Has the state nominated a Point of Contact to facilitate imports and exports of radioactive source material? | Yes |
| | Has the state made available their responses to the IAEA Importing and Exporting States Questionnaire? | Yes |
| | Has the state notified the IAEA of their commitment to implement the Guidance on the Management of Disused Radioactive Sources? | Yes |
| International Participation | Does the state participate in the Global Initiative to Combat Nuclear Terrorism (GICNT)? | Yes |
| | Did the state send an official delegation to the 2022 International Conference on Safety and Security of Radioactive Sources? | Yes |
| International Conventions | Is the country/area a state party to the International Convention for the Suppression of Acts of Nuclear Terrorism (ICSANT)? | Yes |
| | Is the country/area a state party to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management? | Yes |
| | Is the country/area a state party to the Convention on Assistance in the Case of Nuclear Accident or Radiological Emergency? | Yes |
| COMMITMENT AND CAPACITY TO ADOPT ALTERNATIVE TECHNOLOGIES | | |
| Intent | Has the state subscribed to IAEA Information Circular (INFCIRC) 910? | Yes |
| Implementation | Has the country/area publicly declared a regulatory requirement, policy, or commitment to implementing alternative technology to replace high-activity radioactive sources? | No |
| Capacity | What is the average percentage of businesses experiencing power outages each month? | No data |
| | What percentage of the population over 25 holds a tertiary degree or higher? | Many people with degrees (80th–99th percentile) |
| RISK ENVIRONMENT | | |
| Political Stability | What is the risk of significant social unrest during the next two years? | Low |
| | How clear, established, and accepted are constitutional mechanisms for the orderly transfer of power from one government to another? | Very clear, established, and accepted |
| | Is there a risk that international disputes/tensions will negatively affect the polity during the next two years? | Low |
| | Is this country/area presently subject to armed conflict, or is there at least a moderate risk of such conflict during the next two years? | No armed conflict exists |
| | Are violent demonstrations or violent civil/labor unrest likely to occur during the next two years? | Low |
| Effective Governance | How effective is the country/area's political system in formulating and executing policy? | Very high |
| | What is the quality of the country/area's bureaucracy and its ability to carry out government policy? | Very high |
| Pervasiveness of Corruption | How pervasive is corruption among public officials? | Very low |
| Illicit Activities by Non-State Actors | How likely is it that domestic or foreign terrorists will attack with a frequency or severity that causes substantial disruption to business operations? | Low |
| | How likely is organized crime to be a problem for government and/or business? | Low |
| | How many firearms were seized during the interdiction of illicit weapons trafficking? | Very high |