



Government
of Canada

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du Canada



Building Resiliency Together

National Risk Profile: Overview Presentation

UNDERSTANDING RISK BC NATIONAL RISK PROFILE SESSION

NOVEMBER 2, 2020



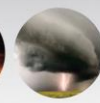
Emergency Management Strategy for Canada

In January 2019, FPT Ministers approved the ***Emergency Management Strategy for Canada: Towards a Resilient 2030 (the EMS)***, which charts a course towards a more resilient future for Canadian society by 2030, across five priority areas of activity.

The EMS provides a long-term vision for emergency management over the next 12 years.

It establishes five priority areas for action, aligned with the United Nations Sendai Framework for Disaster Risk Reduction.





Improving Understanding of Disaster Risks

- In support Strategic Priority #2 of the EMS (“Improve understanding of disaster risks”), the Government of Canada is leading work on a **National Risk Profile (NRP)**.
- The NRP will be a strategic national risk and capability assessment that provides a forward-looking picture of risk and capabilities that can inform prioritization and decision-making to support disaster risk reduction.



Canada's National Risk Profile

Inputs and Activities

- Federal coordination and national leadership
- Alignment with climate change/DRR/Indigenous EM work
- National/regional risk assessment workshops

- Federal Risk Assessment Strategy
- Finalized Canadian Core Capabilities List (CCCL)

- Collection, aggregation, and integration of risk data from partners
- Online Tools
- Updated AHRA methodology
- Risk and capability assessment guidelines

Governance & Reporting

Engagement

Data & Online Tools

National Risk Profile

Outputs

Outcomes

Improved Understanding of Capabilities

Improved Risk Awareness

Evidence-Informed Decisions



National Risk Profile Partners

- At the federal level, work on the NRP will be a whole-of-government, coordinated effort that will promote greater alignment on risk assessments.

- Federal departments involved in this work include:
 - Public Safety Canada (PS)
 - Natural Resources Canada (NRCan)
 - Environment and Climate Change Canada (ECCC)
 - Indigenous Services Canada (ISC)
 - Infrastructure Canada (INFC)
 - Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)
 - Defence Research and Development Canada (DRDC)
 - Privy Council Office
 - Finance Canada
 - Treasury Board Secretariat
 - Office of the Chief Science Advisor
 - Parks Canada
 - Public Health Agency of Canada.

- The NRP will also be supported through engagement and collaboration with provinces and territories, municipalities, Indigenous communities, academia, NGOs, and the private and volunteer sectors.

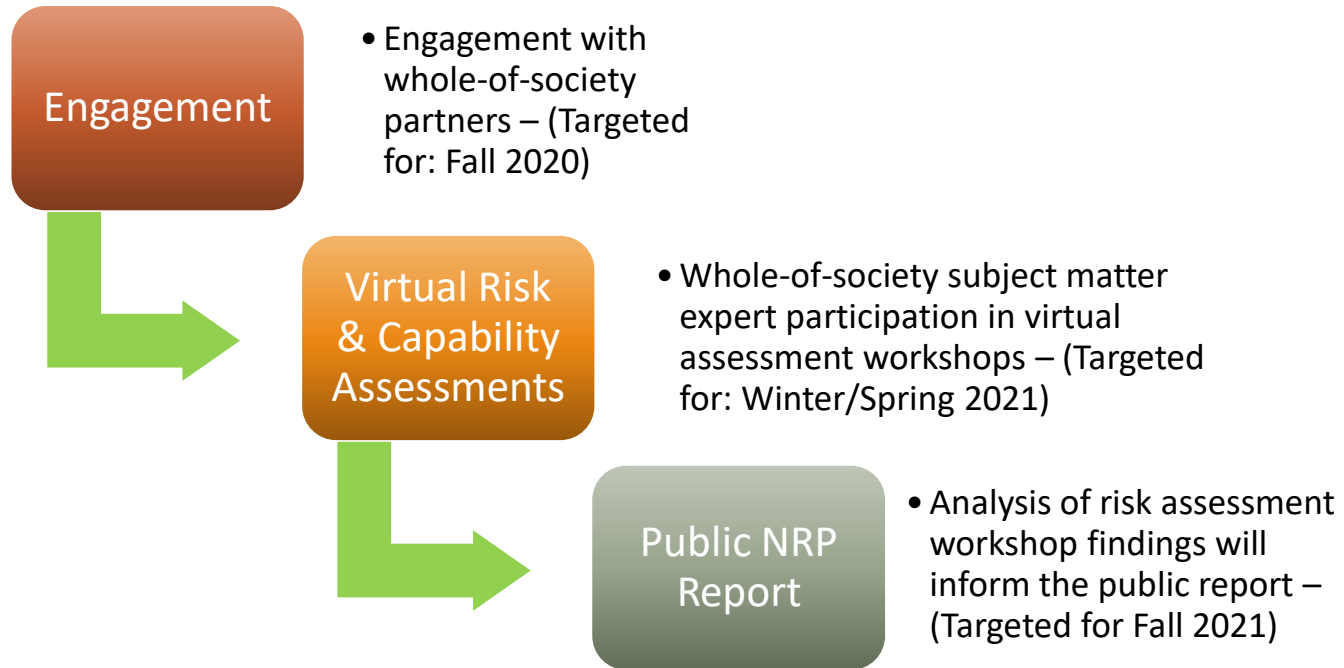


Overview of Virtual Risk and Capability Assessment Sessions

- Online sessions are planned from January to June, 2021; to advance EMS priority to improve understanding of disaster risks in all sectors of society
 - Up to four risk and four capability virtual assessment sessions will begin in winter 2021
 - Sessions will be strategic-level assessments using representative scenarios (earthquakes, floods, wildfires, pandemics) – more info on dates, topics of sessions is coming soon
 - Findings from probabilistic risk assessments (e.g., modelling and mapping), provincial, territorial and community level risk assessments will inform deliberations on likelihood and impact
- Risk assessment sessions will promote an open and inclusive dialogue on risk that will encourage evidence-based decision-making:
 - Sessions a standardized approach to identify, analyze and compare risks, including by considering impacts of disasters on specific populations, including Indigenous Peoples.
 - Whole-of-society participants will bring specific expertise on the impacts being assessed (People, Economy, Environment, Government and Social Function) , including vulnerabilities, exposures, cultural and place-based considerations.
- Capability assessment sessions will promote a Capability-Based Planning lens in discussions of risk and resilience across jurisdictions using the Canadian Core Capabilities List (CCCL), attached as Annex 1, which was endorsed by FPT Senior Officials Responsible for Emergency Management.



National Risk Profile Risk and Capability Assessment Process





Partner Roles

- Input from partners across Canadian society will be key to ensuring the NRP reflects Canada's unique and diverse circumstances.
 - We are seeking your support in identifying workshop participants by subject matter experts from provinces and territories, municipalities, Indigenous organizations and communities, as well as private and non-governmental sectors.
 - Greater **collaboration** emergency management planning across jurisdictions will be promoted.
 - Input from participants at workshops to assess representative scenarios will develop and grow **strategic national-level knowledge**.
 - Participating in the sharing of risk and capability assessment findings will help develop a more **complete picture of disaster risks** in Canada, including to inform a public report to raise **awareness and understanding**.

Suggestions for participants can be sent to: ps.nrp-pnr.sp@Canada.ca or Nathaniel.Gordon@Canada.ca



Next Steps to Virtual Sessions and Sharing Results

- Fall 2020
 - Engagement with partners and tables on the NRP and its components, including to identify experts for virtual sessions
- November 2020
 - Participants in Virtual Risk and Capability Assessment sessions identified
- January 2021
 - Virtual Risk Assessment Sessions launched, each focused on one of the four hazards
- Spring 2021
 - Virtual Capability Assessment Sessions launched



Annex 1 – Canadian Core Capabilities List

Priority 1: Enhance whole-of-society collaboration and governance to strengthen resilience

1. **Whole-of-Society Interoperability** - To develop shared interoperable standards, guidelines and competencies for emergency management in Canada
2. **Whole-of-Society Governance** - To establish and maintain a whole-of-society governance structure to advance the resilience of the emergency management system in Canada.
3. **Whole-of-Society Collaboration** -To jointly enhance resilience together with all sectors of society.
4. **Indigenous Collaboration** - To jointly enhance resilience with Indigenous peoples, built on recognition of rights, respect, co-operation, and partnership as the foundation for transformative change.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 2: Improve understanding of disaster risks in all sectors of society

5. **Risk Assessments** - To collect, process, assess potential threat, hazards, risks, resilience, vulnerability, capabilities and associated impact factors.
6. **Intelligence Information Sharing** - To share timely, accurate and actionable knowledge and information concerning threats or hazards among Emergency Management Partners as appropriate.
7. **Hazard Monitoring and Early Warning** - To provide hazard monitoring, prediction, forecasting, modeling and early warnings.
8. **Public Information and Awareness** - To deliver timely, current, and accurate public information and awareness to all sectors of society.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 3: Increase focus on whole-of-society disaster prevention and mitigation activities

9. **Critical Infrastructure Resilience** - To take actions to increase resilience of critical infrastructure assets and networks.
10. **Property Resilience** - To take actions to increase resiliency of public and private property to effectively support the needs of all sectors of society.
11. **Public Infrastructure Resilience** - To take actions to increase resiliency of public and private property to effectively manage risk transference due to climate impacts and other factors.
12. **EM Planning** - To develop, validate, and maintain emergency management, continuity of government, and business continuity plans.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 3: Increase focus on whole-of-society disaster prevention and mitigation activities (cont'd)

13. **Security and Interdiction** - To identify, discover, locate, halt, intercept, apprehend or secure critical threats to all sectors of society.
14. **Structural Risk Reduction Measures** - To adapt, eliminate or reduce the risk of disasters through structural mitigation measures (e.g. construction of floodways and dykes, fire break), taking into consideration best practices in design, and applying projected climate data where relevant.
15. **Non-Structural Risk Reduction Measures** - To adapt, eliminate or reduce the risk of disasters through non-structural mitigation measures (e.g. building codes, land-use planning and insurance incentives, fire smart protocols), taking into consideration best practices in design, and applying projected climate data where relevant.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 4: Enhance disaster response capacity and coordination and foster the development of new capabilities

16. **Natural Environment Risk Reduction Measures** - To adapt, eliminate or reduce the risk of disasters through the use of naturally occurring resources or engineered use of natural resources (e.g. restoration/protection of wetlands, fuel management, urban forests), taking into consideration best practices in design, and applying projected climate data where relevant.
17. **Emergency Public Alerting** - To rapidly issue information regarding immediate threats* or hazards to life safety, as well as the protective actions to be taken.
18. **Emergency Evacuation and Transportation** - To provide transportation, including infrastructure access and accessible transportation services, for response priority objectives, including the evacuation of people and animals and the delivery of vital response personnel, equipment, and services into the affected areas.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 4: Enhance disaster response capacity and coordination and foster the development of new capabilities (cont'd)

19. **Operational Safety and Security** - To ensure a safe and secure operating environment for responders.
20. **Specialized Response Resource - Disaster Search and Rescue** - To support and or deliver and sustain search and rescue capability needs in impacted areas.
21. **Specialized Response Resource – Hazmat / CBRNE** - To support and or deliver and sustain HAZMAT/CBRNE capability needs in impacted areas.
22. **Specialized Response Resource – Flooding** - To support and or deliver and sustain water management capability needs in impacted areas.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 4: Enhance disaster response capacity and coordination and foster the development of new capabilities (cont'd)

23. **Specialized Response Resource – Wildland Interface Fire** - To support and or deliver and sustain wildland and interface fire capability needs in impacted areas.
24. **Public Health and Emergency Medical Services** - To provide rapid lifesaving medical services to reduce illness, injury and death.
25. **Operational Coordination** - To establish and maintain coordinated disaster management and operational structures that integrates all EM partners at all levels (*e.g. EOC, ECC, and site*).
26. **Operational Communications** - To ensure the means and capacity for timely communication in support of operations among and between all EM partners.
27. **Emergency Legal and Financial Advice** - To provide legal and/or financial analysis and support to EM Partners as appropriate.



Annex 1 – Canadian Core Capabilities List (cont'd)

Priority 4: Enhance disaster response capacity and coordination and foster the development of new capabilities (cont'd)

28. **Emergency Logistics** - To deliver essential commodities, equipment, and services in support of impacted communities (e.g. power, fuel, water, and basic food items).
29. **Emergency Social Services** - To provide short-term social services to the affected or displaced populations (*i.e. emergency lodging, food, clothing, personal services, registration and inquiry, reception centre*).
30. **Fatality Management Service** - Provide fatality identification management and reunification solutions for impacted communities.
31. **Training and Education** - To conduct training, certification and education to improve the performance, knowledge and interoperability of relevant EM Partners.
32. **Exercising** - To validate plans and procedures through simulated scenarios to assess emergency activities of relevant EM Partners.