



Transportation of Dangerous Goods Program (TDG)

January 2021

Webinar - Energy Safety Canada



Transport
Canada

Transports
Canada

Canada 

Outline

- TDG Directorate – Who we are
- Tools and Resources
- Emergency Response Assistance Plan (ERAP) Program
- CANUTEC
- Compliance issues in the oil and gas sector
- TDG Safety Awareness Program
- TDG Contacts

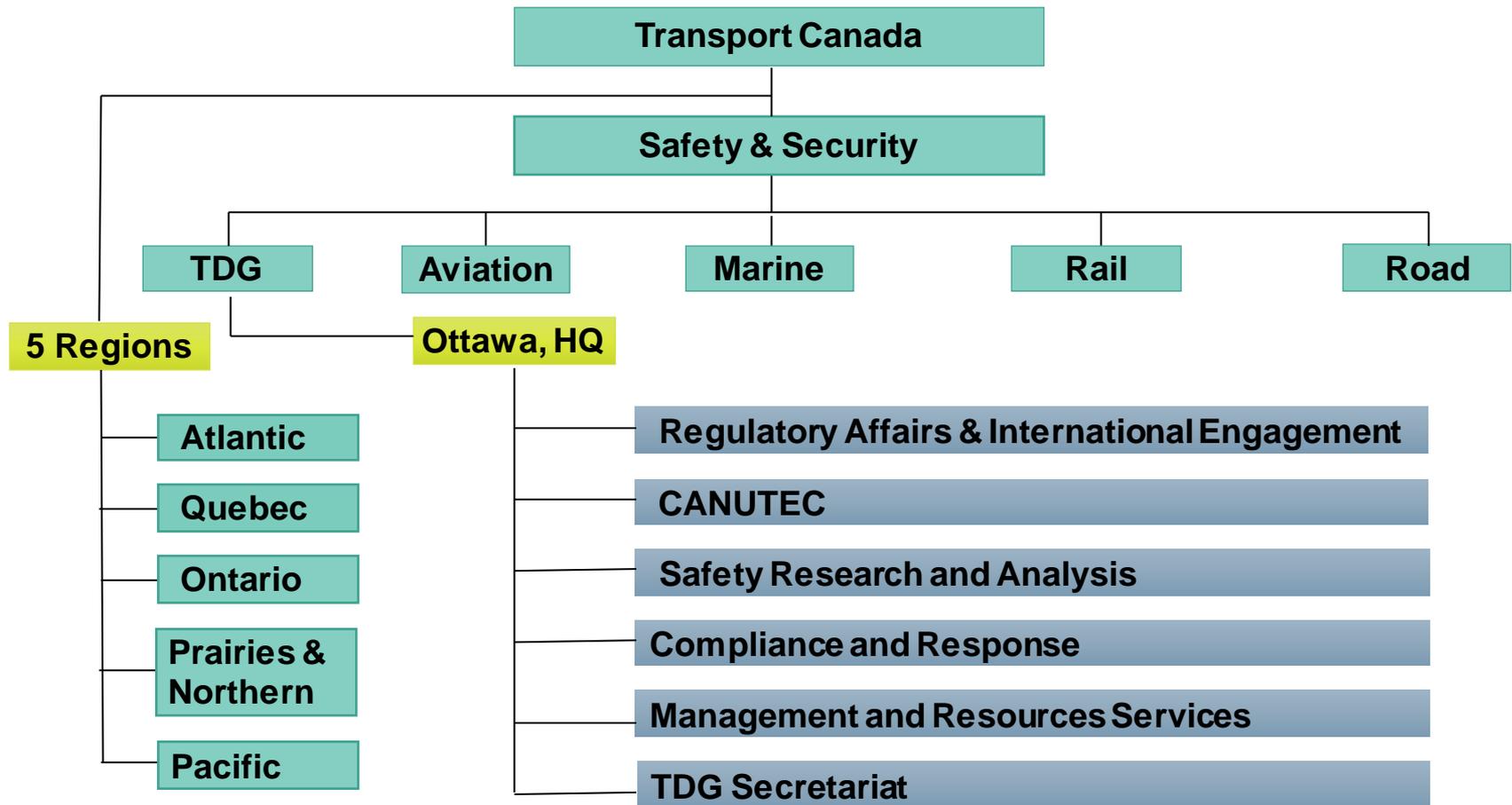
TDG Directorate – Who we are

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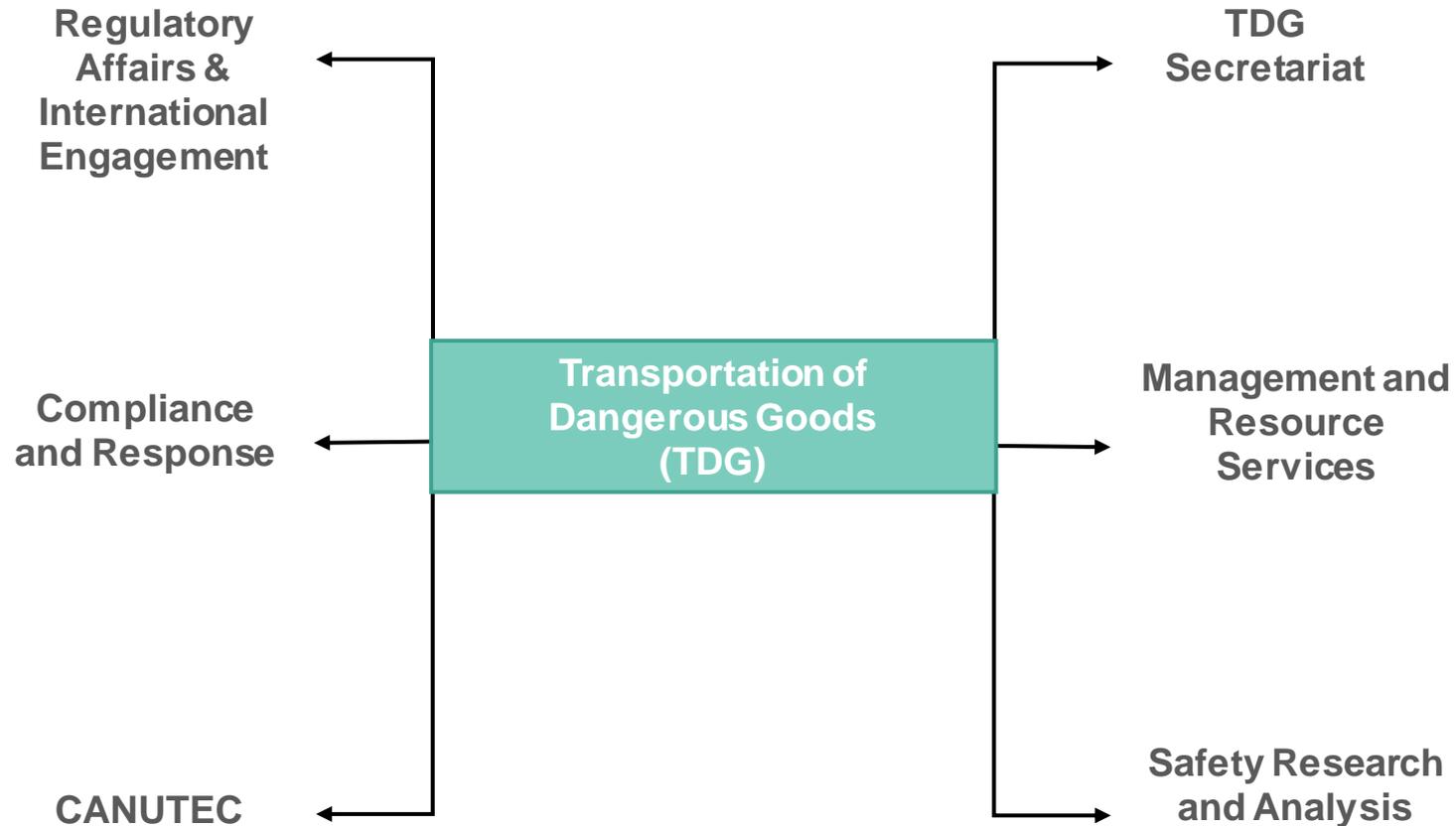
Transportation of Dangerous Goods (TDG) Program

- Respond to Transport Canada core responsibility – **a safe and secure transportation system**
- Development/oversight in all areas necessary for the safe transport of dangerous goods – **policies, regulations and standards**
- Emergency response – **expert advice, access to specialized resources, verification of capabilities**

TDG Directorate – Who we are



TDG Directorate – Who we are



TDG Directorate – Who we are

CANUTEC

- Provides bilingual advice on dangerous goods 24 hours a day, 7 days a week.

Compliance and Response Branch

- Manages the oversight program

Regulatory Affairs & International Engagement Branch

- Develops the TDG Act and Regulations
- Participates on means of containment (MOC) technical standards committees

Safety Research and Analysis Branch

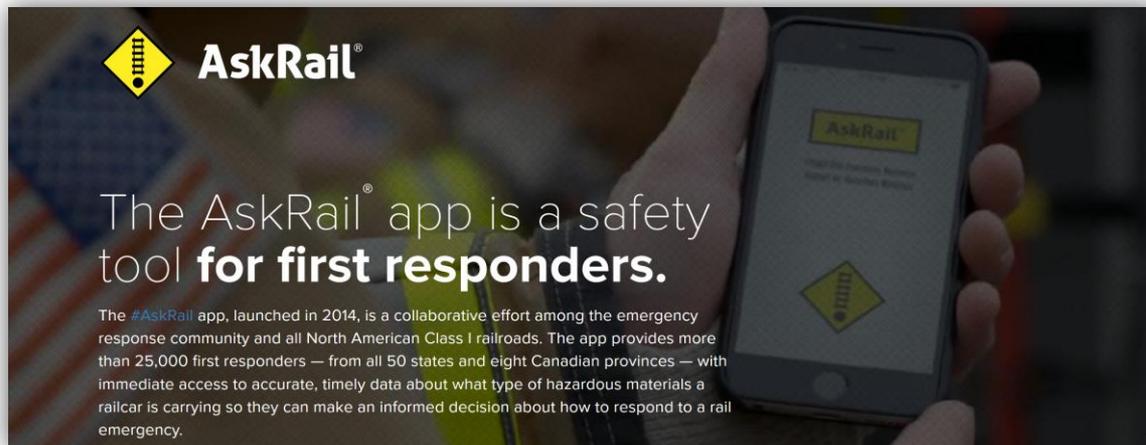
- Conducts technical research, risk evaluations and statistical analysis related to the transportation of dangerous goods

Tools and Resources

Tools and Resources

Additional resource: AskRail®

- Use a simple railcar ID search to see whether a railcar on a train is carrying DG.
- View the contents of the entire train.
- View emergency contact information for all Class I railroads (CN Rail & CP Rail) and available shortlines.

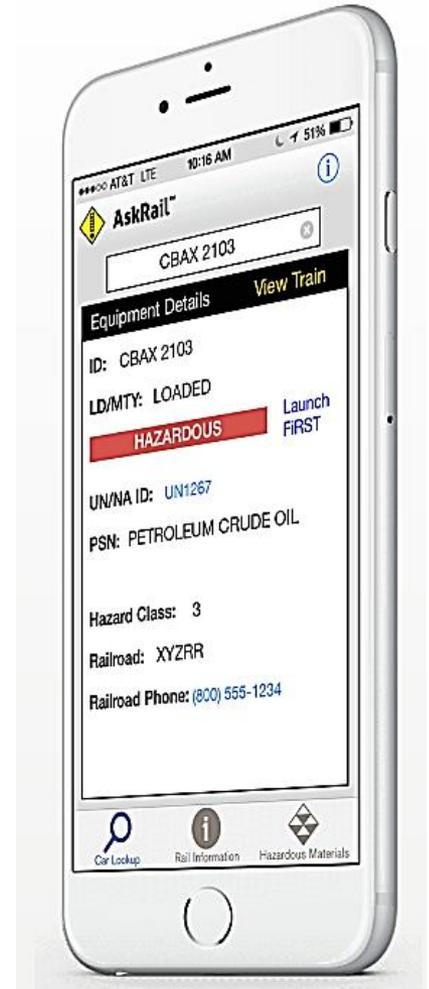


Tools and Resources

Additional resource: AskRail®

Key points:

- All North American Class I railroads are using the app.
- The AskRail® app is a collaborative effort among all North American Class I railroads, the Association of American Railroads, Railinc Corp. and the Transportation Technology Center, Inc.
- At this time, the app concentrates on single-car information on participating regional railroads.
- AskRail® is available in English and French in the U.S., Canada and Mexico.



Tools and Resources

Additional resource: AskRail®

Request the application

For security reasons, only qualified emergency responders who have completed rail emergency training sponsored by one of the Class I freight railroads or at the Security and Emergency Response Training Center (SERTC) can download and use the AskRail app.

In addition, railroads can offer the app to known emergency responders along their routes.

Visit their website:
<http://www.askrail.us/>

Or

Rail Association of Canada (RAC):
<http://www.railcan.ca/>

Emergency Response Assistance Plan (ERAP) Program

Emergency Response Assistance Plan (ERAP) Program

What is an ERAP?



For the transportation of certain higher-risk dangerous goods, the *Transportation of Dangerous Goods Act, 1992* (TDG Act) requires an ERAP to be in place.



An ERAP describes what to do in the case of a release or anticipated release of certain higher-risk dangerous goods while they are in transport.



ERAPs list specialized personnel and equipment needed for responding to an incident, as well as give examples of response actions these resources will be used for.

Emergency Response Assistance Plan (ERAP) Program

Who requires an ERAP?

- Persons who have ERAPs are involved in the transportation (shipping, receiving or transporting) of certain DG above the quantity specified in the TDG Regulations.
- They are often producers, manufacturers or distributors of DG.



Emergency Response Assistance Plan (ERAP) Program

Purpose of an ERAP

- A person with an approved ERAP uses the plan to assist emergency responders.
- ERAPs may be used along with emergency response plans from other organizations (for example, carriers and local or provincial authorities).
- An incident management system ensures coordination between the ERAP and other emergency response plans, in order to:
 - Ensure public safety
 - Ensure that specialized assistance is available to local responders
 - Minimize consequences

Emergency Response Assistance Plan (ERAP) Program

Components of an ERAP

- ERAPs are approved by TC following the conditions indicated in Part 7 of the TDG Regulations.
- Each plan is specific to certain:
 - dangerous goods;
 - modes of transport (air, rail, road, marine);
 - means of containment (containers or packaging);
 - geographical area in which the dangerous goods will be transported.
- Only certain dangerous goods in specified quantities, means of containment or modes of transport need an ERAP.

Emergency Response Assistance Plan (ERAP) Program

When are ERAPs implemented?

- ERAPs are implemented to respond to a release or anticipated release of the DG that are part of the plan.
- Often, the person who has the ERAP is contacted through the ERAP telephone number. Once reached, this person determines the actions they will take to respond to the release or anticipated release.



Emergency Response Assistance Plan (ERAP) Program

What is an ERAP telephone number?

- Every ERAP must have an ERAP telephone number.
- When a consignment requires an ERAP, this number is found on the shipping document.
- Persons calling the ERAP telephone number will be connected with someone who can implement the plan. That person will:
 - Provide technical and/or emergency response advice promptly
 - Monitor the response
 - Send ERAP emergency response resources, if required



Emergency Response Assistance Plan (ERAP) Program

Who can implement an ERAP?

- Anyone can call the ERAP telephone number for assistance.
- Only the persons who have the ERAP are responsible for implementing it. Any other person or organization cannot implement an ERAP.
- When necessary to protect public safety, section 7.1 of the TDG Act allows TC to:
 - Direct a person with an approved ERAP to implement their plan in order to respond to a release or anticipated release.
 - Authorize a person with an approved ERAP to implement their plan, if it is unclear who is required to have an ERAP for the DG involved in an incident.

Emergency Response Assistance Plan (ERAP) Program

ERAPs: What can you expect?

Shipping document

ERAP / PIU 2-XXXX-(YYY) and telephone number

Assistance for dangerous goods with an approved ERAP

Over the phone	<ul style="list-style-type: none">• Technical or emergency response advice• Assistance is provided within 10 minutes of the initial request
On site*	<ul style="list-style-type: none">• Response personnel with appropriate equipment• Assistance provided may vary based on the nature, the severity of the incident or the assistance required

*When an ERAP is implemented, persons having the ERAP are required to exercise due diligence and respond within a reasonable time frame, given the site location, weather conditions, accessibility or other circumstances.

Highway cargo tank trucks on the road

- What are the main issues ?
- What happens during an incident in BC ?
- What happens in the non-Pacific ? Alberta, Saskatchewan & Manitoba

CANUTEC

CANUTEC

When First Responders arrive at the site of a DG incident, they should also contact CANUTEC for assistance.

- CANUTEC is the Canadian Transport Emergency Centre, a branch of the TDG Directorate.
- Bilingual scientists work at CANUTEC on a 24/7 basis, are trained in emergency response and are ready to assist during a DG incident.
- CANUTEC's role is to provide advice during a DG incident but also to bring together all the players involved in the DG incident.



CANUTEC

CANUTEC is the TDG emergency call center providing technical advice to first responders at an incident, 24/7

- Chemical, physical and toxicological properties of DG
- Immediate public safety actions
- Isolation and evacuation distances
- Potential health effects
- Protective clothing requirements and decontamination
- Instability and incompatibility of products
- Mitigation techniques for DG
- Basic plume / dispersion modeling analysis

Compliance Issues in the Oil and Gas Sector

Compliance Issues in the Oil and Gas Sector

Updates to the Standards:

- Transport Canada Standard TP14877E, "Containers for Transport of Dangerous Goods by Rail is being converted back to a CGSB Standard 43.147 – a draft is expected to come out for comments by the end of 2021 or early 2022.
- CSA B620-20, CSAB621-20 and CSA B622-20 for the manufacture, Test, Inspection, Selection and the use of Highway Tanks are now in force.

Note: The Jurisdiction we are referring to lies under BC and doesn't apply to everyone.

Technical standards referenced in the *Transportation of Dangerous Goods Regulations*

<https://tc.canada.ca/en/dangerous-goods/technical-standards-referenced-transportation-dangerous-goods-regulations>

TDG Safety Awareness Program

TDG Safety Awareness Program



In order to promote public safety, the TDG Directorate has enhanced its Safety Awareness Program and is reaching out to targeted audiences such as:

- General public
- Communities and municipalities
- First responders
- Industry

The program provides guidance material on relevant topics, all available online :

<https://tc.canada.ca/en/dangerous-goods/safety-awareness-materials-faq>

To keep you informed, subscribe to the TDG Newsletter:

<https://wwwapps.tc.gc.ca/Comm/5/ListServ/Menu.aspx?lang=eng>

Part 8: Guide for reporting dangerous goods incidents

This revised guide aims to familiarize you with reporting requirements and to help you determine which report is required for your situation and to prepare it.

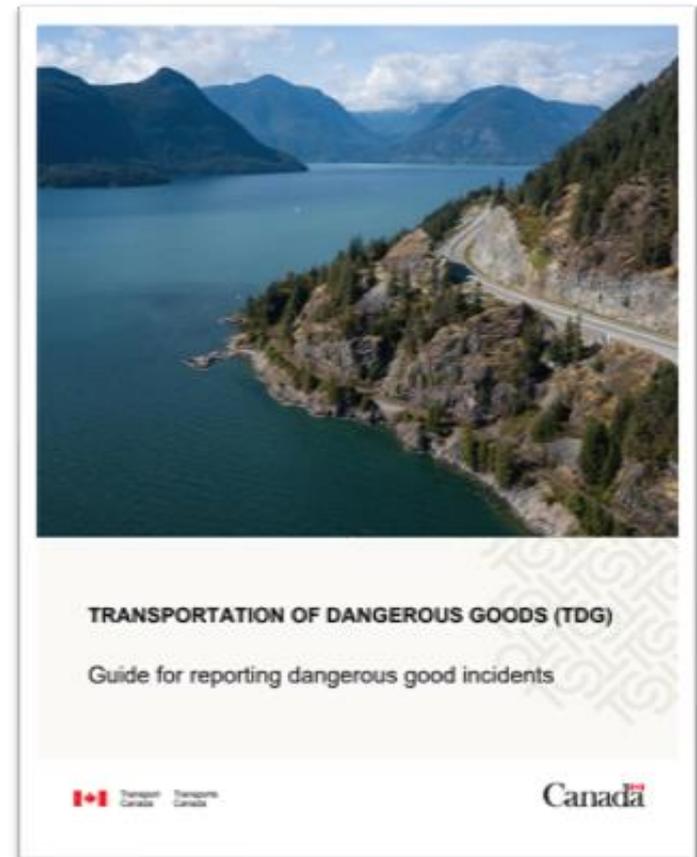
Throughout the guide we provide information and tips for completing the forms. Each section also includes links to:

- the relevant section of the TDG Regulations, or
- any other available information or resources

Guide for reporting dangerous goods incidents

<https://tc.canada.ca/en/dangerous-goods/canutec/reporting-requirements/guide-reporting-dangerous-goods-incidents>

Note: This guide is for reference only and has no legal force or effect.



TDG Contacts

TDG Contacts

CANUTEC Advisory Service

Emergency situation 24/7

- **1-888-CAN-UTE**C (1-888-226-8832)
- **(613) 996-6666**
- ***666** on a cell phone (Canada only)

Non-emergency situation, call info 24/7

- **(613) 992-4624**

Email

- **CANUTEC@tc.gc.ca**

TDG Contacts

Email address	
General TDG information	TDG-TMD@tc.gc.ca
Safety Awareness Team	TC.TDGSafetyAwareness-SensibilisationalasecuriteduTMD.TC@tc.gc.ca
Response Operations Team (ERAP Program)	TC.ChiefResponseOperations-ChefOperationsDeReponse.TC@tc.gc.ca
Engineering Services	TDGMOC-TMDcontenants@tc.gc.ca
• Technical inquiries	TDGcontainers-tmdcontenants@tc.gc.ca
• Registration as a means of containment facility	MOCregister-Registrecontenant@tc.gc.ca

TDG Regional Offices		
Region	Telephone Number	Email address
Atlantic	1-866-814-1477	TDG-TMDAtlantic@tc.gc.ca
Quebec	1-514-633-3400	TMD-TDG.Quebec@tc.gc.ca
Ontario	1-416-973-1868	TDG-TMDOntario@tc.gc.ca
Prairie & Northern	1-888-463-0521	TDG-TMDPNR@tc.gc.ca
Pacific	1-604-666-2955	TDGPacific-TMDPacifique@tc.gc.ca

For more information

- **On ERAPs:**
<https://tc.canada.ca/en/dangerous-goods/emergency-response-assistance-plans>
- **On CANUTEC:**
<https://tc.canada.ca/en/dangerous-goods/canutec>
- **On the Transportation of Dangerous Goods:**
<https://tc.canada.ca/en/dangerous-goods/who-we-are>
- **On Means of Containment / Containers and Standards:** <https://tc.canada.ca/en/dangerous-goods/containers>

Questions