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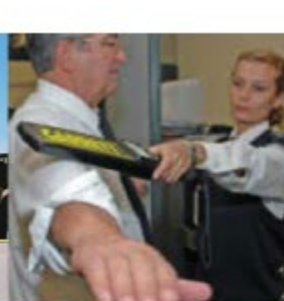


Transportation of Dangerous Goods (TDG)

National Tank Truck Carriers – Tank Week TDG update, November 6, 2018

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Outline

- Regulatory and Standards Updates
 - Part 6 - TDG Regulations
 - Part 7 - TDG Regulations
 - Standards (CSA B620 / CSA B621 / CSA B622)
- Regulatory Cooperation Council Work Plan Update



Regulatory and Standards Updates

Transportation of
Dangerous Goods





Training Requirements – Part 6

Why is Part 6 being updated?

To increase compliance and improve public safety by:

- Ensuring that people who transport dangerous goods have the knowledge and skills to perform their jobs; and
- Increasing clarity of the regulatory requirements.



Training Requirements – Part 6

Progress to Date

- Policy consultations took place over 2016-2017 on options to amend Part 6.
- A competency based training and assessment (CBTA) standard with a general awareness training component will be incorporated by reference into the amended regulations

Next Steps

- Technical committee working group meetings ongoing.
- *Canada Gazette*, Part I in Spring 2019.



Emergency Response Assistance Plans (ERAP) - Part 7

Why does Part 7 need updating?

- To enhance the capacity to respond to dangerous goods transport emergencies through improvements to ERAP requirements.
- TC is working on addressing issues such as:
 - Who can activate an ERAP and when;
 - ERAP response;
 - Updating and streamlining requirements; and
 - Providing clarifications where needed (e.g., “manufacturer”, “in writing”, responsibilities when allowing another party to use ERAP).



Emergency Response Assistance Plans (ERAP) - Part 7

Proposed Amendments

- Mandatory phone call to ERAP number when a means of transport cannot continue to its intended destination without intervention.
- Requirement for technical advisor to be available to respond to a call to the ERAP number 7 days a week, 24 hours a day while goods are in transport.
- Activation criteria for an ERAP:
 - The integrity of the means of containment has been compromised and endangers, or could endanger public safety;
 - Transfer anticipated or required; and
 - There is a release or an anticipated release.



Emergency Response Assistance Plans (ERAP) - Part 7



Progress to Date

- Published in Canada Gazette Part I (CGI) on June 30, 2018 for 60 days.
- Majority of stakeholders support Transport Canada's primary objectives to improve ERAP program and enhance public safety.

Next Steps

- Finalize drafting of regulatory text and guidance material for stakeholders.
- Final amendments planned for publication in the Canada Gazette, II (CGII) in March 2019.



Changes to B620 / B621 / B622

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CHANGES TO STANDARDS – In Force

Highway Tanks and TC Portable Tanks CSA B620 / CSA B621 / CSA B622



Main changes in 2014 editions – B620

- Phase 1 related to emergency discharge control of tanks in compressed liquefied gas service (Not including class 2.2) – **new TC tanks**
- Revised damage protection requirements for TC 331, TC 338 and TC 341 tanks
- All new tanks transporting Anhydrous Ammonia must be PWHT
- Expanded TCRN ownership to include non-manufacturing facilities
- Mobile Repairs of tanks now permitted, with reporting requirements
- Revised insulation requirements for TC 423 tanks – now optional
- Repairs of TC tanks in US permitted by facilities registered to 49CFR



CHANGES TO STANDARDS – In Force

Highway Tanks and TC Portable Tanks CSA B620 / CSA B621 / CSA B622



Main changes in 2014 editions – B621 / B622

- Automatic engine air intake shut-off device required on all diesel engines running during loading or unloading in class 2.1 and class 3 DG service.
- Highway tanks and portable tanks in class 2.1 and class 3 service required to be equipped with one or more dry chemical fire extinguishers with combined total effective rating of not less than 40BC.
- Wheel chocks or interlocks required for loading and unloading of highway tanks
- Reporting requirements for daily test of off-truck emergency shutdown system
- Increased I&T frequency for existing non-specification ASME nurse tanks
- Updated and expanded selection and use tables for solids in B621



CHANGES TO STANDARDS – Next Ed.

Highway Tanks and TC Portable Tanks CSA B620 / CSA B621 / CSA B622



Pending changes to 2020 edition of B620

- Updated ASME code referencing dynamically to the latest edition of the ASME code.
- Revised tank securement requirements for all tanks.
- Revised damage protection requirements for TC 331, TC 338 and TC 341 tanks
- Reintroduction of TC 51 portable tanks, with updated requirements
- Update tank Inspector and Tester training and qualification requirements, including new Training Organization registration.



CHANGES TO STANDARDS – Next Ed.

Highway Tanks and TC Portable Tanks CSA B620 / CSA B621 / CSA B622



Pending changes to 2020 edition of B621 and B622

- 10 year internal inspection and pressure test frequency permitted for certain, smaller tanks in dedicated propane service with maximum capacity of 13250L, used to transport UN1075 (LPG) or UN1978 (Propane).
 - Equivalency Certificate SU 12435 issued to Canadian Propane Association for members
 - Failure to provide evidence that highway tank meets the requirements may result in enforcement action.
- Phase 2 related to emergency discharge control of tanks in compressed liquefied gas service (Not including class 2.2) – **all tanks**
- Revised and updated nurse tank requirements for the agricultural sector



CHANGES TO STANDARDS – Next Ed.

Highway Tanks and TC Portable Tanks CSA B620 / CSA B621 / CSA B622



Pending changes to 2020 edition of B620, B621 and B622

Current standard development status:

- Next meeting in London, Ontario in January 2019.
- Expected publication in late 2019 or early 2020.
- Anticipated 6 month transition requirement, with enforcement date in mid 2020



Regulatory Cooperation Council

Transportation of
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Regulatory Cooperation Council (RCC)

Initiatives under Work Stream A: Aligning national standards and regulations	Progress
Mutual recognition of standard pressure receptacles	<p>Final amendments for recognition of U.S. cylinders in Canada published in Canada Gazette Part (CG) Part II in July, 2017</p> <p>Ongoing discussions to harmonize cylinder requirements</p>
Recognition of inspection and repairs under U.S. requirements for highway transport	No changes required to Canadian regulations
Alignment and mutual recognition of tank truck (cargo tank) standards, including vehicles used to transport bulk explosives	Work is ongoing
Mutual recognition of special permits and approvals in Canada and the U.S.	Final amendments for recognition of U.S. special permits and approvals published in CG Part II July, 2017
Complete analysis of differences between Canadian and U.S. regulatory requirements for the transportation of Liquefied Natural Gas by rail	<p>Work is ongoing</p> <p>Discussion are ongoing while research efforts continue between PHMSA and FRA.</p>
Opportunities for alignment (e.g. tank car standards) – U.S. to examine adopting Canadian standards.	Ongoing
Exemptions to the Transportation of Dangerous Goods Regulations and Exceptions to 49 Code of Federal Regulations for potential harmonization between Canada and the U.S.	Ongoing
TC to pursue amendments to allow trucks and tank cars entering Canada from the U.S. to keep their original placards when returning to the U.S. from their destination in Canada	Ongoing



Regulatory Cooperation Council (RCC)

Initiatives under Work Stream A: Aligning national standards and regulations	Progress
Standardization of hazard communication	Ongoing discussion to harmonize the 'danger placard'
Exploration of engagement with Mexico on the transportation of dangerous goods	Pending
Collaboration on international standards and initiatives through participation in international fora	<p>Ongoing</p> <p>TC and PHMSA establish coordinated joint positions (teleconference held prior to each UN meeting) and develop joint papers of mutual interest.</p> <p>TDG worked with PHMSA among other countries on a paper proposing packaging for Category A Waste (submitted July 2017 UN meeting).</p>
Collaboration between TC and PHMSA on the inspection of means of containment facilities outside of Canada and the U.S.	<p>Ongoing</p> <p>Discussions between TC and PHMSA took place on October 10th- 11th 2017 to consider joint inspections of cylinder facilities in North America.</p>



THANK YOU FOR YOUR TIME!

Questions?

