

TRANSPORTATION OF DANGEROUS GOODS – Canadian Update

DGIS - Chicago, IL September 2019



LABELMASTER®



A “B-R-I-E-F” overview of...

- ▶ TDGR International Harmonization Amendment
- ▶ Update to TP 14850 Standard (Small Package Use)
- ▶ Proposed changes CAN/CGSB-43.150 (Small Package - Design, Construction, Marking)
- ▶ Updated Standard CAN/CGSB-43.151 (Explosives)
- ▶ Revised TP 14877 Standard (Containers by Rail)
- ▶ TDGR Amendment to ERAP Requirements
- ▶ Proposed changes to TDGR Part 12 - Air (Domestic)
- ▶ Client Database initiative
- ▶ E-Document “Sandbox”
- ▶ CGSB Standard on “Competency-based Training”

INTERNATIONAL HARMONIZATION

Status: Preliminary Consultation – Mar '19

HIGHLIGHTS:

- Allowing U.S. Placards/Labels for DG's re-shipped in Canada by road or rail
- Adopting U.S. exemption for pressurized tanks used in water pump systems
- Referencing the 2018 version of TP 14850E for small packages (updated to the 20th Edition of the UN Model Regulations)
- Allows for non-specification large packagings (<450 L) for batteries
- Orientation label requirements for combination packages containing liquid dangerous goods

TP 14850 (Small Packages for Classes 3,4,5,6.1,8 & 9)

Status: Impact Survey conducted July 2019

HIGHLIGHTS:

- Updates packing instructions to the 20th Edition to the UN Recommendations
-

CGSB-43.150 (Small Packages - Design, manufacture and Marking)

Status: Final Draft Comment Period: July 24 - September 23, 2019

- Proposed title change (reflecting the Introduction of TP 14850)
- Must be incorporated into the TDGR

CGSB-43.151 - Explosives (Class 1)

Status: Published July 2019 - Effective Jan 31/2020

HIGHLIGHTS:

- Updated list of Explosives and Packing Instructions to align with 20th Edition of the UN Model Regulations
- Updated references to other Dangerous Goods Container Standards
- Additional Packing Instructions for Large Packagings
- Added domestic packing instructions for Jet Perforating Guns

TP 14877 - Rail Containers

Status: Canada Gazette Pt II - April 3/19

Effective: July 2, 2019

HIGHLIGHTS:

- Improved usability by incorporating technical requirements mandated in Protective Directions 34, 37 & 38
- Updated DG List to the 19th Revised Edition of the UN Recommendations and amended Special Provisions for Sulphuric Acid (UN 1831) and Hydrogen Peroxide (UN 2014 & UN 2015)
- Updated technical requirements for Class 3, Flammable Liquids and new tank car specifications known as TC 117
- Improved harmonization for tank cars in Canada & U.S. including approvals, design and One-Time Movement Approvals - Category 2
- Updated materials for construction (i.e. Stainless Steel) for tank cars for TIH

Amendments to the ERAP Requirements

Status: Gazette Part II - April 15, 2019

Effective: June 1, 2019

HIGHLIGHTS:

- Definitions for ERAP (ERP) & Residue modified
- Clarification that ERAP's do not apply to means of containment containing residual dangerous goods
- Restructuring of section outlining when an ERAP is required
- Two-tiered response established:

Tier 1 - Remote Response

Tier 2 - On-site Response

Proposed Amendments to Part 12 Air

Status: On-going - White Paper issued in January 2016

HIGHLIGHTS:

- Dynamic Referencing to the ICAO Technical Instructions
- Proposal to eliminate red “hatchings” on a shipping document
- Proposal to eliminate a “dedicated form” for NOTOC
- Discussions on concept of “remote locations” and “limited access” for domestic operations and inclusion of 705 operators in the provision
- Intention to incorporate current Equivalency Certificates into the Regulations
- Discussions concerning domestic air “limited quantities” vs. ICAO LQ’s

ELECTRONIC SHIPPING DOCUMENTS

Status: Three year "Sandbox" 2019-2022

HIGHLIGHTS:

- "Sandbox" is designed to evaluate the feasibility of using e-documents in the transportation of dangerous goods using voluntary carriers
- Volunteers will be issued an Equivalency Certificate allowing use of e-documents during the trial period
- The goals are to create a paperless environment to:
 - Improve supply chain management
 - Reduce paper-burden, and
 - Increase compliance and efficiency for industry nationally and internationally

CGSB Competency-based Training Standard

*Status: Circulated for Editorial Review by
Committee Members - July 2019
Release for 60 Day Public Consultation &
Comment -Fall 2019*

HIGHLIGHTS:

- *Canadian General Standards Board* is an accredited body under the authority of the Canada Standards Council. They administer and act as secretariat of the committee but do not vote
- Committee was made up of selected individuals representing General Interest (Teamsters, COSTHA, Canada Safety Council etc); Producers (ICC, DGTA, DG Training Centre etc); Users (CGA, ATAC, NACC, Fertilizer Canada, CAPP etc) and Regulators (Transport Canada & Provincial representatives)

- Establishes requirements for General Awareness Training (all) and Function Specific Training (modal specific)

Establishes requirements for Evaluation and Assessment of trained persons

Establishes that employers maintain on-going training and/or assessment as regulations change or there are new tasks assigned to an employee

Establishes requirements to re-evaluate an employee's competence in "general awareness" and "if necessary" retrain the individual

Establishes requirements to re-evaluate an employee's competence in "function specific tasks" and "if necessary" retrain the individual

(Re-assessment / Re-training required after 24 months for Air and 36 months for other modes)

Establishes requirements for training and assessment records

GENERAL AWARENESS training to include 2 hours instruction covering:

- Overview of TDG Act & Regulations including roles and responsibilities
- Classification and identification of dangerous goods
- Dangerous goods safety marks
- Documentation
- Packaging (MoC) and certification safety marks
- Emergency Response and Reporting
- Special Cases, special provisions and equivalency certificates

A written examination, including no less than 25 questions is required with a passing threshold of 80%. Three re-writes are permitted or the training must be re-administered.

FUNCTION SPECIFIC TRAINING AND ASSESSMENT

Develops a comprehensive list of tasks and the competencies which an employee is to be assessed and/or trained

Assessments can be conducted through written exam, structured interview, demonstration, simulation, collection of evidence of work outcomes or a combination of these

Thank you - Merci Beaucoup

QUESTIONS????????????

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