



Transportation of Dangerous Goods Directorate  
L'Esplanade Laurier  
300 Laurier Avenue West  
Ottawa, Ontario  
K1A 0N5

Direction générale du transport des marchandises dangereuses  
L'Esplanade Laurier  
300, avenue Laurier Ouest  
Ottawa (Ontario)  
K1A 0N5



### Equivalency Certificate (Approval issued by the competent authority of Canada)

**Certificate Number:** SU 13991 (Ren. 1)  
**Template Number:** 48NR  
**Certificate Holder:** Canadian Battery Association  
536 Broughton St, Unit F13  
Victoria, BC V8W 1C6  
**Mode of Transport:** Road, Rail, Marine  
**Effective Date:** October 24, 2024  
**Expiry Date:** October 31, 2028

#### LEGEND

For the purposes of this equivalency certificate, documents referred to by an abbreviation have the following meaning:

**TDG Act:** *Transportation of Dangerous Goods Act, 1992*

**TDG Regulations:** *Transportation of Dangerous Goods Regulations*

**49 CFR:** *Title 49 of the "Code of Federal Regulations" of the United States*

**CGSB-43.145:** *National Standard of Canada CGSB-43.145, "Design, manufacture and use of large packagings for the transportation of dangerous goods, classes 3, 4, 5, 6.1, 8, and 9", April 2019, published by the Canadian General Standards Board (CGSB)*

**CGSB-43.150:** *National Standard of Canada CGSB-43.150, "Design, manufacture and use of UN Standardized drums, jerricans, boxes, bags, combination packaging, composite packaging and other packagings for the transport of dangerous goods, classes 3, 4, 5, 6.1, 8, and 9", March 2020, published by the Canadian General Standards Board (CGSB)*

**UN Recommendations:** *"Recommendations on the Transport of Dangerous Goods", published by the United Nations (UN), as amended from time to time*

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**Manual of Tests and Criteria:** *“Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria”, published by the United Nations (UN), as amended from time to time*

**NOTES**

**Note 1:** Subsection 31(4) of the *TDG Act* stipulates that any non-compliance with the conditions of this equivalency certificate causes the provisions of the *TDG Act* and *TDG Regulations* to apply as though this equivalency certificate did not exist.

**Note 2:** This equivalency certificate provides no regulatory relief other than specifically stated herein. Therefore, all other requirements of the *TDG Act* and the *TDG Regulations* apply.

**Note 3:** No person shall use or apply this equivalency certificate, including the display of its number, when the equivalency certificate has expired or is otherwise no longer in effect. Any alteration of this equivalency certificate renders it invalid. Visit the Transport Canada website for the latest version of this equivalency certificate.

**PURPOSE**

*(The following is for information purposes only and is not part of the certificate.)*

**Part A** of this equivalency certificate authorizes the transport of lithium metal or lithium-ion cells or batteries in means of containment prescribed in Packing Instruction 903 of *CGSB-43.150* or Packing Instruction LP903 of *CGSB-43.145*. Strong outer packagings, protective enclosures, pallets or handling devices are permitted via Packing Instruction 903 of *CGSB-43.150*, for small and large packagings. This reflects the allowance to use a non-specification packaging in Packing Instruction P903 of the *UN Recommendations* for new batteries.

**Part B** of this equivalency certificate authorizes the transport of lithium metal or lithium-ion cells or batteries that are destined for disposal, recycling or any other reclamation process. The cells or batteries are packaged and transported in accordance with Special Provision 138 of Schedule 2 of the *TDG Regulations*, except 138(1)(b). Strong outer packagings, protective enclosures, pallets or handling devices are also permitted for small and large packagings. This reflects the allowance to use a non-specification packaging in Packing Instruction P903 of the *UN Recommendations* for new batteries.

Damaged or defective cells or batteries must be offered for transport or transported under Special Provision 137 of Schedule 2 of the *TDG Regulations*.

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**PART A -New batteries and batteries that will be reused**

This equivalency certificate authorizes:

- the **Members of the Canadian Battery Association** to handle, offer for transport or transport,
- any **carrier** on behalf of a **member of the Canadian Battery Association** to handle or transport,

by road or railway vehicle, or by vessel in Canada, dangerous goods that are:

<b>UN Number</b>	<b>Shipping Name and Description</b>	<b>Class</b>	<b>Packing Group</b>
UN3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9	N/A
UN3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium alloy batteries); or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9	N/A
UN3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	N/A
UN3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries); or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	N/A

in a manner that does not comply with:

- Subsection 5.12(1) of the *TDG Regulations* and
- Section 5.14 of the *TDG Regulations*,

if the following conditions are met:

**1) Classification**

- a) Each cell or battery have been determined to meet the criteria for assignment to Class 9 based on tests carried out in accordance with the *Manual of Tests and Criteria*, Part III, subsection 38.3;

**Note 1:** The terms “cell” and “battery” are defined in the *Manual of Tests and Criteria*, Part III, subsection 38.3.

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**Note 2:** A “battery module” or “battery pack” is considered to be a battery.

- b) The **Canadian Battery Association** ensures that a paper or electronic copy of this equivalency certificate is provided to all its members.

**Note:** A current list of members is available on the **Canadian Battery Association** website at:

<http://canadianbatteryassociation.ca/index.php/about-the-cba/members/members>

## 2) Means of Containment

### Small packaging with a volume of 450 L or less

- a) When the packaging has a volume less than or equal to 450 L, the dangerous goods are packaged in accordance with Packing Instruction 903 of *CGSB-43.150*;

### Large packaging with a volume over 450 L

- b) When the packaging has a volume greater than 450 L, the dangerous goods are transported in accordance with;
- i) Packing Instruction 903 of *CGSB-43.150*, except for clause 1.a., or
  - ii) Packing Instruction LP903 of *CGSB-43.145*.

**Note:** The packagings authorized in clauses 1.b., 1.c., and 1.d. of Packing Instruction 903 of *CGSB-43.150* may exceed a net mass of 400 kg.

## 3) Documentation

- a) The shipping document that accompanies the dangerous goods contains the following information legibly and indelibly printed:
- i) “**Equivalency Certificate SU 13991**”, or
  - ii) “**Certificat d’équivalence SU 13991**”.

## 4) Training

- a) In addition to the requirements of Part 6 (Training) of the *TDG Regulations*, the certificate holder and any person using this equivalency certificate on behalf of the certificate holder ensure that the personnel handling, offering for transport or transporting the dangerous goods are trained in regards to the conditions of this equivalency certificate that relate directly to the person's duties.

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**PART B - Batteries transported for disposal, recycling or any other reclamation process**

This equivalency certificate authorizes:

- the **Members of the Canadian Battery Association** and **their clients** to handle, offer for transport or transport,
- **any carrier** on behalf of **the members of the Canadian Battery Association** and **their clients** to handle or transport,

by road or railway vehicle, or by vessel in Canada, dangerous goods that are:

<b>UN Number</b>	<b>Shipping Name and Description</b>	<b>Class</b>	<b>Packing Group</b>
UN3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9	N/A
UN3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium alloy batteries); or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9	N/A
UN3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	N/A
UN3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries); or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	N/A

in a manner that does not comply with:

- Special Provision 138(1)(b) in Schedule 2 of the *TDG Regulations*, but only as it relates to item (4) of Packing Instruction P909 of the *UN Recommendations*,

if the following conditions are met:

**1) General**

- a) The dangerous goods are lithium metal or lithium-ion cells or batteries transported for disposal, recycling or any other reclamation process
- b) The **Canadian Battery Association** ensures that a paper or electronic copy of this equivalency certificate is provided to all its members;

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**Note:** A current list of members is available on the **Canadian Battery Association** website at:

<http://canadianbatteryassociation.ca/index.php/about-the-cba/members/members>

- c) The **members of the Canadian Battery Association** must ensure that a paper or electronic copy of this equivalency certificate is provided to all their clients using this equivalency certificate.

## 2) Means of Containment

- a) Cells or batteries with a gross mass of 12 kg or greater and with a strong impact-resistant outer casing may be transported;
  - i) in a strong outer packaging,
  - ii) in a protective enclosure (e.g., in fully enclosed or slatted wooden crates), or
  - iii) on a pallet or other handling devices;
- b) The strong outer packaging, protective enclosure, pallet, or handling device, referred to in condition 2)a) above, is constructed of suitable material, and of adequate strength and design in relation to the packaging capacity and its intended use.

## 3) Documentation

- a) The shipping document that accompanies the dangerous goods contains the following information legibly and indelibly printed:
  - i) “**Equivalency Certificate SU 13991**”, or
  - ii) “**Certificat d’équivalence SU 13991**”.

## 4) Training

- a) In addition to the requirements of Part 6 (Training) of the *TDG Regulations*, the certificate holder and any person using this equivalency certificate on behalf of the certificate holder ensure that the personnel handling, offering for transport, or transporting the dangerous goods are trained to the conditions of this equivalency certificate that relate directly to the person's duties.

Signature of Issuing Authority



David Lamarche, P. Eng.  
Manager, Approvals and Special Regulatory Projects

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*(The following is for information purposes only and is not part of the certificate.)*

**Legend for Certificate Number**

SH - Road, SR - Rail, SA - Air, SM - Marine  
SU - More than one Mode of Transport  
Ren - Renewal

**For more information:**

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Transportation of Dangerous Goods,  
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