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**Committee of Experts on the Transport of Dangerous Goods  
and on the Globally Harmonized System of Classification  
and Labelling of Chemicals****Sub-Committee of Experts on the Transport of Dangerous Goods****Fiftieth session**

Geneva, 28 November-6 December 2016

Item 2 (d) of the provisional agenda

**Recommendations made by the Sub-Committee  
on its forty-seventh, forty-eighth  
and forty-ninth sessions and pending issues:  
electric storage systems****Lithium battery test report****Transmitted by the European Association for Advanced Rechargeable  
Batteries (RECHARGE) and the Rechargeable Battery Association  
(PRBA)<sup>1</sup>****Introduction**

1. At its forty-ninth session, the Sub-Committee considered a number of changes to the lithium battery tests in Section 38.3 of the UN Manual of Tests and Criteria, which were included in document ST/SG/AC.10/C.3/2016/46. In addition, ST/SG/AC.10/C.3/2016/46 contained a list of elements that the lithium battery working group agreed should be included in a lithium battery test report.
2. The Sub-Committee agreed that the list of elements proposed by the working group would help to harmonize the lithium battery test reports issued by test labs and battery manufacturers and make available the type of information that is needed by regulatory authorities to ensure compliance with Section 38.3.
3. Therefore, we are proposing to add a new section 38.3.5 in the Manual of Tests and Criteria that lists the ten elements included in ST/SG/AC.10/C.3/2016/46 and supported by the Sub-Committee at the forty-ninth session.

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2015–2016 approved by the Committee at its seventh session (see ST/SG/AC.10/C.3/92, paragraph 95 and ST/SG/AC.10/42, para. 15).

## Proposal

4. Add the following sub-section in the Manual of Tests and Criteria:

“38.3.5        *Lithium battery test report*

The following information shall be included in test reports that indicate compliance with the lithium cell and battery tests found in this section:

- (a) Name of cell or battery manufacturer, as applicable;
  - (b) Cell or battery manufacturer’s contact information to include phone number, email address or website for more information;
  - (c) Name of test laboratory;
  - (d) A unique test report identification;
  - (e) Date of test report;
  - (f) Description of cell or battery (*e.g.*, Li ion or Li metal cell or battery, voltage, net mass, Watt-hour rating, or grams of lithium metal content, cell/battery geometry, model numbers and design types);
  - (g) List of tests conducted and results (*i.e.*, pass/fail);
  - (h) Reference to assembled battery testing requirements, if applicable (*i.e.*, 38.3.3(f) and 38.3.3(g));
  - (i) UN Manual revision date used<sup>2</sup>; and
  - (j) Test report to be signed with name and status of signatory.”
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<sup>2</sup> Note by the secretariat: the word “date” does not seem appropriate here. The secretariat suggests the following wording “Reference to the revised edition of the Manual of Tests and Criteria used, and to amendments thereto if any, e.g. “ST/SG/AC.10/11/Rev.5/Amdt.1” or “ST/SG/AC.10/11/Rev.6”.”.