

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

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Sub-Committee of Experts on the Transport of Dangerous Goods

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Item 4 (d) of the provisional agenda

**Electric storage systems: damaged or defective
lithium batteries**

Requirements for damaged or defective lithium cells and batteries in special provision 376 (amendments to ST/SG/AC.10/C.3/2018/51)

**Transmitted by PRBA - The Rechargeable Battery Association, the
Medical Device Battery Transport Council (MDBTC), and the
Advanced Rechargeable & Lithium Batteries Association
(RECHARGE)**

Introduction

1. This paper proposes modifications to special provision 376 based on comments received in response to ST/SG/AC.10/C.3/2018/51 and UN/SCETDG/53/INF.69 that addressed the transport of damaged and defective lithium batteries. Amendments to the “Note” in Special Provision 376 are provided below.

Proposal

2. **NOTE.** In assessing a cell or battery as damaged or defective, ~~the type of cell or battery and its previous use and misuse shall be taken into account.~~ an assessment or evaluation should be performed based on safety criteria from the cell, battery or product manufacturer or by a technical expert with knowledge of the battery’s safety features. An assessment or evaluation may include, but is not limited to, the following criteria:

- Acute danger, such as gas, fire, or electrolyte leaking;
- The use or misuse of the cell or battery;
- Signs of physical damage, such as deformation to cell or battery casing, or colours on the casing;
- External and internal short circuit protection, such as voltage or isolation measures;
- The condition of the cell or battery safety features; or
- Damage to any internal safety components, such as the battery management system.