



**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****Fifty-second session**

Geneva, 27 November-6 December 2017

Item 4 (e) of the provisional agenda

Electric storage systems: sodium-ion batteries**Sodium-ion batteries – a presentation for discussion****Transmitted by the expert from the United Kingdom***

1. The United Kingdom is grateful to the Sub-Committee for including sodium-ion batteries on its agenda during the current biennium. Under this agenda item the United Kingdom asks for one of its experts to make a presentation on this topic at the fifty-second session. The aim of this presentation will be to:

- (a) Provide a background to sodium-ion battery technology;
- (b) Explain the difference compared to lithium-ion battery technology;
- (c) Consider what this means in terms of the safe carriage of sodium-ion cells;
- (d) Present relevant experimental data;
- (e) Suggest an appropriate UN number to which manufactured, shorted sodium-ion cells may be assigned; and
- (f) To consider whether prototype or charged or damaged or defective sodium-ion cells should be treated similarly to lithium-ion cells within the Model Regulations.

2. The United Kingdom will submit an information paper giving more detail on the content of the presentation ahead of the fifty-second session in order to inform and invite discussion of how the Model Regulations might treat products arising from this new technology.

* In accordance with the programme of work of the Sub-Committee for 2017-2018 approved by the Committee at its eighth session (see ST/SG/AC.10/C.3/100, paragraph 98 and ST/SG/AC.10/44, paragraph 14)