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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**

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| **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]](#footnote-2)

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.

1. 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) [↑](#footnote-ref-2)