



**DANGEROUS GOODS PANEL (DGP)  
MEETING OF THE WORKING GROUP OF THE WHOLE**

**Montréal, 15 to 19 April 2013**

**Agenda Item 5: Review of provisions for the transport of lithium batteries including  
5.2: Simplification and clarification of provisions**

**CONSIDERATION OF WHAT IS “EQUIPMENT” AND RESPONSE TO DGP-WG/13-WP/56**

(Presented by PRBA-The Rechargeable Battery Association (PRBA))

**SUMMARY**

This information paper addresses the issues in DGP-WG/13-WP/56 and the proper classification of articles that provide power to electronic equipment.

**1. INTRODUCTION**

1.1 DGP-WG/13-WP/56 raises the question of whether certain articles that provide power to electronic devices should be classified as lithium ion batteries or lithium ion batteries contained in equipment. The pictures in the appendix to this information paper and explanation below clearly show that these articles should be classified as lithium ion batteries contained in equipment.

1.2 The articles are designed, manufactured and sold as equipment, not batteries. The articles are comprised of batteries, plus charge-in/charge-out regulator circuit, connectors, fuel gauge, etc. In some cases the batteries contained in portable chargers also are used in other host articles such as cellular phones. The articles also are generally shipped as consumer retail items that includes a retail box with manual and accessories.

1.3 To be classified as lithium ion batteries, the articles would need to be tested in accordance with the UN Manual of Tests and Criteria. Articles such as these are not subjected to the UN testing scheme. Instead, the cell or battery inside the device is submitted separately for testing and then incorporated into the article after testing is completed.

1.4 Therefore, the articles identified in DGP-WG/13-WP/56 should be classified and packaged in accordance with Packing Instruction 967, Section II of the ICAO Technical Instructions.



**APPENDIX**

**LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT**

**EX. 1 - EXTERIOR**



Flexible power-out

Portable



Fuel gauge button and

**EX. 2 - INTERIOR**

Flexible power-out

Device operation  
circuitry



Battery

Battery Pack  
protection circuit &  
connector

Power-in  
connector

### EX. 3 - INTERIOR WITH BATTERY REMOVED

Battery pack pocket



Portable charger:  
~10 x 56 x 109 mm

Battery Pack  
(flip side from  
previous picture)

Battery: ~5.8 x 46 x 50 mm

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### EX. 4 - COMPARISON WITH MOBILE PHONE

Mobile phone

Portable Charger



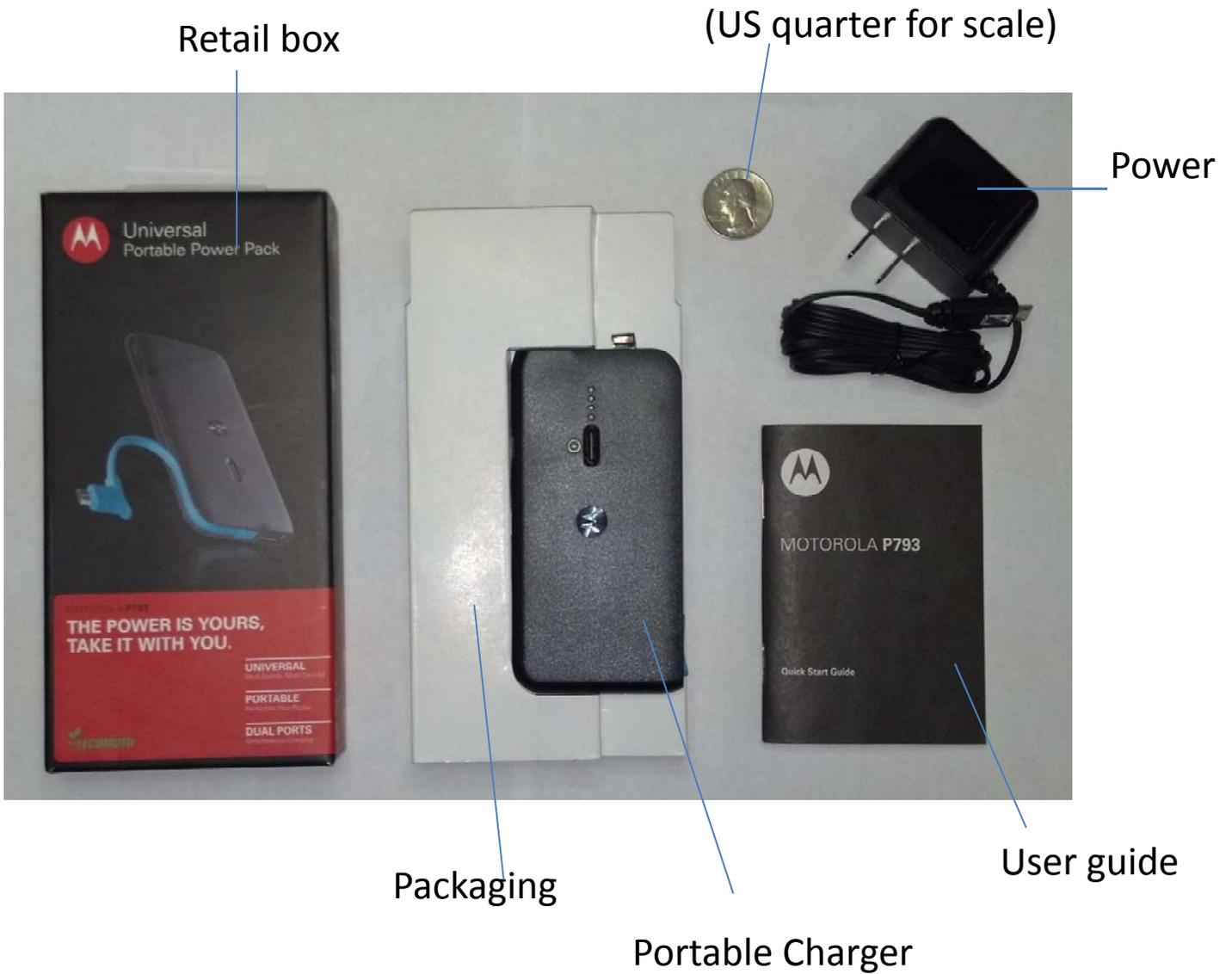
Battery pack

Battery pack pocket

Battery pack

**EX. 5 - RETAIL KIT**

**Very similar to mobile phone or other device with  
rechargeable battery**



— END —