



WORKING PAPER

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

Atlantic City, United States, 4 to 8 April 2011

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2013-2014 Edition

2.4: Part 4 — Packing Instructions

**ORIENTATION ARROWS FOR BATTERIES, WET, FILLED WITH ACID, UN 2794 AND
BATTERIES, WET, FILLED WITH ALKALI, UN 2795**

(Presented by G A Leach)

SUMMARY

This working paper proposes to re-instate the requirement of the 2009-2010 Edition of the Technical Instructions for orientation arrows for batteries, wet, filled with acid or alkali.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Packing Instruction 800 of the 2009-2010 Edition of the Technical Instructions contained a requirement for packages containing Batteries, wet, filled with acid, UN 2794 and Batteries, wet, filled with alkali, UN 2795, to bear the “Package orientation” label; it also stated that the words “This side up” or “This end up” may also be displayed on the top of the package. However, this requirement has been omitted from Packing Instruction 870 of the 2011-2012 Technical Instructions. It is suggested this was an omission which should be corrected.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to amend the “packing conditions” of Packing Instruction 870 as follows:

Batteries must be placed in an acid/alkali-proof liner of sufficient strength and adequately sealed to positively preclude leakage in the event of spillage. The batteries must be packed so that the fill openings and vents, if any, are upward; they must be incapable of short-circuiting and be securely cushioned in the packagings. The upright position of the package must be indicated on it by “Packing orientation” labels (Figure 5-26) as required by 5.3. The words “This side up” or “This end up” may also be displayed on the top of the package.

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