



**WORKING PAPER**

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

**Rio de Janeiro, Brazil, 20 to 24 October 2014**

**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 2017-2018 Edition**

**2.1: Part 1 — General**

**PORTABLE ELECTRONIC DEVICE EMERGENCY RESPONSE TRAINING**

(Presented by M. Rogers)

**SUMMARY**

This working paper proposes that a note be added to Part 1;4 of the Technical Instructions to highlight the importance of proper training in responding to a fire involving a lithium battery in a portable electronic device.

**Action by the DGP-WG:** The DGP is invited to amend Part 1;4 as presented in the appendix to this working paper.

**1. INTRODUCTION**

1.1 Part 1, Chapter 4 of the Technical Instructions describes the training required both for operators who carry dangerous goods and those who do not. “Emergency Procedures” is a required subject area for flight crewmembers of all Operators.

1.2 In recent years, the number of personal electronic devices (PEDs) containing lithium batteries has grown significantly, as well as the number of smoke and fire incidents involving these devices. In order to successfully mitigate an incident involving a battery fire in a personal electronic device in the cabin, cabin personnel must apply specific procedures, including cooling the device with water (or other liquid) to prevent heat propagation among the cells and re-ignition. This procedure is counterintuitive for many cabin staff.

2. **ACTION BY THE DGP-WG**

2.1 The DGP-WG is invited to add a note to the training requirements of Part 1;4 to emphasize the need for specific training regarding PED cabin fires as proposed in the appendix to this working paper.

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## APPENDIX

### PROPOSED AMENDMENT TO PART 1 OF THE TECHNICAL INSTRUCTIONS

#### Part 1

#### GENERAL

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#### Chapter 4

#### TRAINING

*Parts of this Chapter are affected by State Variations AE 2, BR 7, CA 11, HK 1;  
see Table A-1*

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##### 4.1 ESTABLISHMENT OF TRAINING PROGRAMMES

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##### 4.2 TRAINING CURRICULA

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*Note 1.— Depending on the responsibilities of the person, the aspects of training to be covered may vary from those shown in Tables 1-4 and 1-5. For example, in respect of classification, staff involved in implementing security procedures (e.g. screeners and their supervisors) need only be trained in the general properties of dangerous goods.*

*Note 2.— The categories of personnel identified in Tables 1-4 and 1-5 are not all encompassing. Personnel employed by or interacting with the aviation industry in areas such as passenger and cargo reservation centres, and engineering and maintenance, except when acting in a capacity identified in Table 1-4 or 1-5, should be provided with dangerous goods training in accordance with 4.2.*

*Note 3.— Crew members should receive training for the specific emergency procedures needed to address a fire involving a lithium battery in a Portable Electronic Device in the cabin.*

4.2.8 Staff of designated postal operators must be trained commensurate with their responsibilities. The subject matter to which their various categories of staff should be familiar with is indicated in Table 1-6.

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