



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-THIRD MEETING

Montréal, 11 to 21 October 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

HEAT PRODUCING ARTICLES

(Presented by G. A. Leach)

SUMMARY

This working paper proposes to clarify the conditions under which “heat producing articles” may be carried by passengers.

Action by the DGP: The DGP-WG is invited to amend Part 8;1.1.2 p) of the Technical Instructions as presented in the appendix to this working paper.

1. INTRODUCTION

1.1 Part 8;1.1.2 p) of the Instructions provides for passengers to carry battery-powered equipment subject to certain conditions, including that the heat producing component or the battery must be “packed separately so as to prevent activation during transport”. The Technical Instructions does not define what is meant by “packed separately” and could be interpreted as requiring the items to be packed in separate bags, as recently occurred in the United Kingdom. Underwater diving torches can be very expensive and some are transported in specially made carrying bags, with provision being made for the battery to be physically disconnected (and protected against short circuit) and carried in the bag with the other components of the torch. It is suggested this is a perfectly safe practice and a slight clarification to 8;1.1.2 p) could avoid any unnecessary confusion. The opportunity has also been taken to recognize the ability of such devices to be disabled by the removal of a fuse.

APPENDIX

AMENDMENTS TO THE TECHNICAL INSTRUCTIONS

Part 8

PROVISIONS CONCERNING
PASSENGERS AND CREW

...

1.1.2 Notwithstanding any additional restrictions which may be implemented by States in the interests of aviation security, except for the incident reporting provisions of 7;4.4 or 7;4.5, as applicable, the provisions of these Instructions do not apply to the following when carried by passengers or crew members or in baggage that has been separated from its owner during transit (e.g. lost baggage or improperly routed baggage) or in excess baggage carried as cargo as permitted by 1;1.1.4.1 g):

...

- p) with the approval of the operator(s), battery-powered equipment capable of generating extreme heat, which could cause a fire if activated (e.g. underwater high intensity lamps) providing that the heat producing component ~~or~~ and the battery ~~is~~ are isolated from each other by the removal of the heat producing component, the battery or another component (e.g. fuse) ~~packed separately so as to prevent activation during transport~~. Any battery which has been removed must be protected against short circuit;

...

— END —