



DANGEROUS GOODS PANEL (DGP)

TWENTY-SECOND MEETING

Montréal, 5 to 16 October 2009

Agenda Item 5: Resolution, where possible, of the non-recurrent work items identified by the Air Navigation Commission or the panel:

Agenda Item 5.3: Review of provisions for dangerous goods relating to batteries:

- a) **lithium batteries**
- b) **battery-powered devices**
- c) **battery-powered mobility aids**

LITHIUM METAL BATTERIES – VARIOUS FORMATS AND APPLICATION EXAMPLES

(Presented by NEMA)

SUMMARY

This paper provides examples for the information of the DGP of various formats of lithium metal batteries and their applications in various types of equipment. The listing is meant to be illustrative but not exhaustive.

1. INTRODUCTION

1.1 The Panel has received information from various sources regarding a recent incident involving products containing lithium metal batteries. This information paper provides the Panel with illustrations on several different formats and applications of lithium metal batteries.

APPENDIX

PRIMARY LITHIUM METAL BATTERIES – VARIOUS FORMATS AND APPLICATION EXAMPLES



Home Safety: Smoke and CO detectors



Automotive: Keys and key fobs

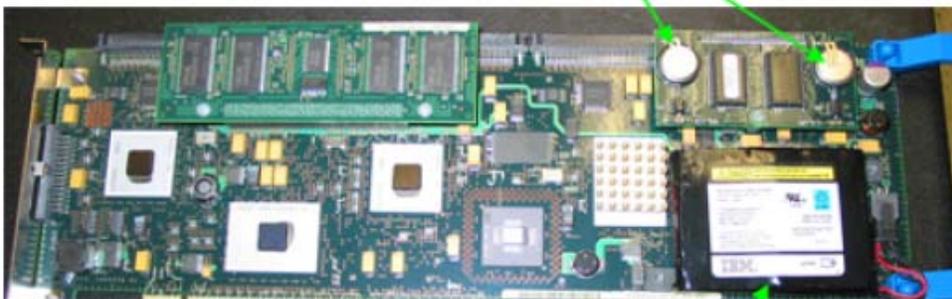


Medical: Automatic external defibrillators (AEDs), pacemakers



Electronics: Calculators, digital cameras, memory backup power for laptop computers (see below)

2 Lithium Metal Coin Cells



Advanced utility meters (natural gas, water)

Many military applications

Global positioning system (GPS) units

Maritime buoys