

Issued: 23 December 2014

Revision to Videos on the Hazards to Flight Safety from the Improper Carriage of Lithium Batteries

This Information Notice contains information that is for guidance and/or awareness.

Recipients are asked to ensure that this Information Notice is copied to all members of their staff who may have an interest in the information (including any 'in-house' or contracted maintenance organisations and relevant outside contractors).

Applicability:	
Aerodromes:	Those involved with the Handling of Cargo, Passengers and Baggage
Air Traffic:	Not primarily affected
Airspace:	Not primarily affected
Airworthiness:	Not primarily affected
Flight Operations:	All Aeroplane, Helicopter AOC and PAOC Holders
Licensed/Unlicensed Personnel:	Ground Handling Personnel involved with the Handling of Cargo, Passengers and Baggage

1 Introduction

- 1.1 In July 2014, in collaboration with the United States Federal Aviation Administration, the United Kingdom CAA announced via Information Notice 2014/117 the production of a series of free, internet-available videos highlighting the hazards to flight safety resulting from the improper carriage of lithium batteries.
- 1.2 The purpose of this Information Notice is to notify aircraft operators and agencies involved with the handling of cargo, passengers and baggage, that the videos relating to Flight and Cabin Crew and Cargo and Ramp (as detailed in paragraph 2.5) have been amended to reflect the prohibition on the carriage of lithium metal batteries as cargo on passenger aircraft which takes effect on 1 January 2015.
- 1.3 This Information Notice supersedes IN-2014/117.

2 Background

- 2.1 Lithium batteries power many products which we all use in our daily lives, such as mobile phones, tablets and laptop computers. These batteries contain more energy than many other battery types allowing electronic devices to run for hours or even days. Lithium batteries are very safe, but because of their high energy, if they are not treated with care or if they are abused or have a manufacturing fault, they can catch fire. Batteries have been the cause of a number of fires onboard aircraft and during ground handling.

- 2.2 Lithium batteries which do not comply with the very stringent international requirements for testing, manufacture and shipment (e.g. poor quality or counterfeit batteries or a failure to protect against short circuit) are likely to pose a greater fire risk.
- 2.3 'Lithium battery' is a general term that covers two different kinds of battery:
- a) Lithium-ion (rechargeable, for example as used in laptop computers)
 - b) Lithium-metal (non-rechargeable, for example used in watches)
- Both kinds of lithium battery pose a fire risk and need to be appropriately handled.
- 2.4 Safety requirements for the carriage of lithium batteries are detailed in the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Doc 9284 AN/905) and are reproduced within the International Air Transport Association (IATA) Dangerous Goods Regulations.
- 2.5 The videos referred to above are intended to raise awareness of the hazards from lithium batteries and the importance of ensuring they are transported in accordance with the Technical Instructions, both as cargo and by passengers. The videos explain the specific responsibilities of personnel concerning the safe carriage of lithium batteries and emergency response actions (where appropriate). There are three separate videos aimed at the following categories of personnel:
- Flight and Cabin Crew
 - Cargo and Ramp
 - Passenger Handling
- 2.6 The videos may be viewed within a playlist on the [CAA's YouTube Channel](#). The video files can be made available upon request and are copyright free if used for the non-commercial purposes of flight safety.

3 Recommendations

- 3.1 It is recommended that aircraft operators and ground handling agents supplement existing formal dangerous goods training programmes with the awareness video applicable to the category of personnel described within paragraph 2.5.
- 3.2 Aircraft operators and ground handling agents who have already supplemented their dangerous goods training programme with the awareness video should ensure that the revised video is used with immediate effect.

4 Queries

- 4.1 Any queries or requests for further guidance as a result of this communication should be addressed to **Dangerous Goods on 01293 573800 or dgo@caa.co.uk**

5 Cancellation

- 5.1 This Information Notice will remain in force until further notice.