



PAKISTAN CIVIL AVIATION AUTHORITY

DANGEROUS GOODS BULLETIN

Guidance for Shipment of Lithium Batteries by Air

This Bulletin is to remind –

ICAO Dangerous Goods Panel's (DGP) has shown concerns involving the transport of Lithium Batteries by Aircraft which are commonly transported both as Cargo and in carry – on or checked baggage, and are transported in package form as well as installed in or packed with equipment. As the demand for lithium batteries increases so do the risks associated with their transport, especially aboard aircraft. Since their introduction to the marketplace, a number of air transport-related incidents and numerous additional incidents not related to transportation involving Lithium Batteries and devices powered by lithium batteries have been reported. These incidents involved both passenger and cargo aircraft occurred in flight as well as prior to loading and after unloading. Several incidents have involved fire aboard aircraft and in some instances have led to emergency landings.

The incidents have led to the requirement to more comprehensively assess the risk posed by the transport of Lithium Batteries by air and to work actively to mitigate that risk.

The ICAO *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) contain specific requirements for the proper preparation and transport of Lithium Batteries. Recently these requirements were further developed with particular emphasis on the following:

- a) increased packaging standards;
- b) enhanced hazard communication to communicate the presence of lithium batteries in transportation, including a new handling label;
- c) forbidding the transport by air of damaged or defective lithium batteries; and
- d) Requiring the reporting of all incidents involving the transport of lithium batteries to the appropriate national authority.

Compliance with the detailed requirements of the Technical Instructions is critical to promoting the Safe Transport of Lithium Batteries.

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