

Addressing the Risks Posed by PEDs

David Brennan

Asst. Director
Cargo Safety &
Standards

6 March 2019



Portable Electronic Devices (PEDs)

Permitted in passenger and crew baggage

Wh rating or lithium metal content	Configuration	Carry-on baggage	Checked baggage	Operator approval
≤ 100 Wh / 2g	In equipment (PED or PMED)	Yes (max 15 PED/PMED ¹)	Yes	No ¹
	Spare battery(ies)	Yes (max 20 spare batteries ²)	No	No ²
>100 to ≤160Wh	In equipment (PED or PMED)	Yes	Yes	Yes
	Spare battery(ies)	Yes (max 2 spare batteries)	No	Yes
>160Wh	Must be prepared and carried as cargo in accordance with the IATA Dangerous Goods Regulations			
> 2g ≤ 8g	In equipment (PMED only)	Yes	Yes	Yes
	Spare batteries for PMED	Yes (max 2 spare batteries)	No	Yes

1. Each person is limited to a maximum of 15 PED. The operator may approve the carriage of more than 15 PED.

2. Each person is limited to a maximum of 20 spare batteries of any type. The operator may approve the carriage of more than 20 batteries.



















PED Incident Data

Following the ban on “large” PEDs in the cabin by the UK and US in 2017 to address potential security threat, concerns were raised by some safety regulators at the risk of fire from lithium batteries in PEDs in checked baggage.

Incident data from IATA member airlines for 2013 – 2017 identified:

	Cabin	Airport	Checked bag	Totals
2017	17	1	0	18
2016	4	0	0	4
2015	4	1	0	5
2014	1	0	1	2
2013	0	0	0	0
Totals	26	2	1	29

Passenger Survey

Analysis of passenger behaviour on carriage of PED, spare lithium batteries, e-cigarettes and power banks.

- Survey of business and leisure travellers in HK, UK and US
- Knowledge of the regulations on PEDs:
 - Airline website 41%
 - Online check-in / kiosk 33%
 - Traditional media 26%
 - Social media 18%

However...

Percentage of travellers who pack one or more of each item in checked baggage

	Global total	U.S.			U.K.			Hong Kong		
		Total	Leisure	Business	Total	Leisure	Business	Total	Leisure	Business
Power banks	36%	32%	18%	46%	37%	27%	46%	38%	32%	45%
Spare batteries	25%	33%	22%	45%	35%	28%	42%	37%	28%	45%

This identifies that there is a need for more targeted engagement with passengers to alert them to the regulatory requirements.

Traveling with electronic devices?

Here's three steps to help you fly safely:

- 1** It is best to pack **lithium-powered devices** and accessories into your **carry-on bag**.



- 2** Electronic cigarettes, power banks and spare batteries **MUST be kept in your carry-on bag**.



ELECTRONIC
CIGARETTES



POWER
BANKS



SPARE
BATTERIES



- 3** If you must pack your tablet, mobile or laptop in your checked luggage, be sure they are **completely turned off** (not in "hibernate" or "sleep" modes).



If in doubt, contact your airline.
More information: www.iata.org/ped



Thank you

David Brennan

brennand@iata.org

www.iata.org/dangerousgoods

