

PED / lithium batteries fire risk in the passenger cabin/flight deck  
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The presentation provides an overview on the activities performed by EASA to address the fire risk originating from the transportation of PEDs and lithium batteries in occupied areas of Large Aeroplanes, considering the level of performance of the aircraft fire protection systems and emergency procedures. The effort covers both initial and continuing airworthiness. Furthermore, the Loki-PED research project has been recently launched with the objective to characterise the hazards related to the carriage of lithium batteries and Portable Electronics Devices (PEDs) by passengers in the aircraft cabin. The project will evaluate the consequences of fire and smoke caused by a thermal runaway event on the safe conduct of the flight, and will assess if the limitation currently applicable to the transportation of PEDs in occupied areas are appropriate to maintain an acceptable risk level. The project will also evaluate the needs for additional protective measures, and will try to identify any gaps in the applicable regulatory provisions.