EMD Application Form

Device Description:

Device manufacturer Guidance: Enter the name of the device manufacturer.	
Device model Guidance: Enter the commercial denomination of the device.	
Device category	
Device description Guidance: Enter the description of the device, and how and where the device can be attached.	
Device sensors Guidance: List all the sensors among the list: Geolocation, Light, Temperature, Vibration, Humidity, Acceleration, Pressure, and Tilt.	
Device length (cm)	
Device width (cm)	
Device height (cm)	
Device weight (g)	
Battery type	
Battery capacity (watt-hour)	
Battery weight (g)	
Does the device contain a lithium battery?	
Is EIRP below 100mW in all modes?	

EMD Application Form

Supporting Documents: All files must be named as per the *Ref. (File Name)
e.g. 1 File Name: "SD-D" to be used for User Manual / Guideline.

Or for document containing multiple descriptions.
e.g. 2 File Name: "SD-A-B" to be used for Pictures of the device and peripherals & Product label.

*Ref. (File Name)	Description	Document Attached Yes	Document Attached N/A
SD-A	Pictures of the device and peripherals		
SD-B	Product label		
SD-C	Operational description and technical specifications of the device and peripherals		
SD-D	User Manual / Guideline		
SD-E	Manufacturer statement of strict design and production controls		
SD-F	Manufacturer statement of conformity to the applicable requirements of the Civil Aviation Authorities: (AC 91.21-1D, 2017, p. 91) for FAA and ("AMC1 CAT.GEN.MPA.140," 2019) for EASA		
SD-G	One of the following standards: (i) Underwriters Laboratory, 'Lithium batteries,' UL 1642; (ii) Underwriters Laboratory, 'Household and commercial batteries,' UL 2054; (iii) Underwriters Laboratory, 'Information technology equipment – safety,' UL 60950-1; (iv) International Electrotechnical Commission (IEC), 'Secondary cells and batteries containing alkaline or other non-acid electrolytes - safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications,' IEC 62133; (v) (DO-311, 2017, p.) may be used to address concerns regarding overcharging, over-discharging, and the flammability of cell components. The standard is intended to test permanently installed equipment; however, these tests are applicable and sufficient to test electronic flight bags rechargeable lithium-type batteries; or (vi) European Technical Standard Order (ETSO), 'Non-rechargeable lithium cells and batteries,' ETSO C142a.		
SD-H	Test summary to verify that the lithium cell and battery type has successfully passed the tests as set out in Part III, Subsection 38.3 of the UN Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.7, 2019)		
SD-I	The Electromagnetic Interference (EMI) assessment report documenting that the emissions from the device comply with the levels as defined by (ED-14G, 2011)/(DO-160G, 2010) (or later revisions), Section 21, Category H. Testing must include peripheral devices used with the device during normal operations. Typically, peripherals are external sensors or associated wiring.		
SD-J	A declaration of conformity and technical documentation showing compliance with the European Norms (EN), regulating the transmitter characteristics of the device or its transmission module.		
SD-K	A declaration from the manufacturer identifying the device and confirming that EIRP (effective isotropic radiated power) is below 100mW.		
SD-L	A declaration from the manufacturer identifying the device and confirming that the device: (a) features an automated and prolonged radio suspension in flight using multiple modes of redundancy; and (b) has been verified in the aircraft environment to ensure deactivation of the transmitting function in flight.		

Notes:
- SD-A to SD-I: Mandatory for all devices.
- SD-J & SD-L: Mandatory for intentionally transmitting devices.
- SD-K: Mandatory for non-intentionally transmitting devices and low-powered intentionally transmitting devices.
- Ensure that the testing requirements are conducted according to the latest applicable revision of the industry standards.
- Test results, certifications and documentation in general should be in English.

Please note that device approvals are dependent on the quality of the documents provided and are assessed on a case by case basis.

If you have any other inquires you may reach out to Authorizations & Standards Cargo Delivery Team EMDapproval@etihad.ae