Usage of customer-owned tracking devices onboard of Lufthansa Cargo and Lufthansa Group Airlines flights

General

Lufthansa Cargo and the airlines of the Lufthansa Group, Lufthansa, Austrian Airlines, Swiss Brussels Airlines and Aerologic, allow the usage of certain Customer-owned Cargo Tracking Devices being sent along with their shipments on our global network.
Please note that if a device has been approved by Lufthansa Cargo, this approval is valid for all Lufthansa as well as Lufthansa Cargo flights and also for all SN Brussles, Discover Airlines, Sun Express and Air Dolomiti flights.

Cargo Tracking Devices are Personal Electronic Devices (PED) attached to or transported in airfreight with the purpose of monitoring location and/or various parameters, such as temperature, vibration, humidity. The device may transmit these parameters remotely by means of radio frequency emissions. Devices that do not actively transmit data are defined as "loggers" and subject to the same regulations.

As all of these devices remain switched on during flight, a technical evaluation by the operator is required. Data transmission must be suspended and disabled during flight in order to comply to air safety regulations.

Non-intentionally transmitting devices powered by coin cells are per EASA AIR OPS GM1 CAT.GEN.MPA.140 (b) in a switched-off status – and are therefore permitted for usage on the Lufthansa Group Fleet without further assessment.

According to the new ICAO rules, trackers are now* allowed if the batteries do not exceed a lithium content of 0.3 grams. In addition, an output of 2.7 watt hours (Wh) must not be exceeded. The devices must still be protected from damage. All these criteria apply to common batteries such as CR2032 button cells, which are used in AirTags or comparable trackers.

Contact

Our customers are obliged to inform us about their intent of using Customer-owned Cargo Tracking Devices being sent along with their shipment. Please do this by activating the tick box "Realtime tracking" during the online booking process.

Should you have any questions regarding the requirements on how to book a cargo tracking device with your Lufthansa Cargo or Lufthansa Group airlines shipment, please contact your respective local sales representative.

For technical questions about the devices, please contact the respective manufacturer.

If you are interested in approvals for tracking devices other than listed here, please contact your local sales representative the required documents are listed on our website.

Guideline

The following listed devices are accepted to be used aboard our airlines as depicted. The devices are not approved for transportation on interline routings with other carriers. Lufthansa Cargo and Lufthansa Group airlines will not be responsible for damages or losses of any tracking device in transit.

Lufthansa Cargo and Lufthansa Group airlines are constantly assessing new cargo tracking devices for usage aboard their aircraft and will update its list of approved devices here.

Concessions to use the listed devices are based upon current provisions and can be revoked at any time.

Kindly observe following general guidelines concerning your cargo tracking devices:

- Tracking devices have to be maintained in a good and safe condition in order to avoid a modification to its emission characterization and to avoid a fire hazard through its batteries
- Consider IATA guidelines „Battery powered Tracker"
- New devices can only be approved prior to technical assessment of Lufthansa Cargo and Lufthansa Group airlines
- Hard- and software changes on already approved devices have to be reported to local sales
- All devices must be securely enclosed within the shipment

Cargo Tracking Device Manufacturer | Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines Edelweiss	Approved Aerologic
7P Solutions GD 100, GL 200^2, GL 300, GL 300W	✓ *1	✓ *1	✓ *2	✓ *3
GL300MG		✓ *4		
Adapt Ideations Kelvin & Track IT Proton Series S100/S200/S300/M100/WHO	✓	✓ *5	✓	
	✓			
Kelvin Series S100 / M200 / M300	✓			
Aspion G-Log, G-Log 2, G-Log waterproof	✓	✓	✓	
BeOn A1	✓	✓	✓	
Berlinger SmartMonitor Ship S	✓	✓		
SmartMonitor Ship M	✓	✓ *5	✓	
SmartMonitor Ship L	✓	✓ *5	✓	
Berlinger Q-tag CLm doc	✓	✓	✓	
Bosch Basic Sense Type S, Type T, Basic Sense I^3	✓	✓	✓	
		✓	✓	
TDL140^{3,5},			✓	
TDL110^4	✓		✓	
CalAmp SC1004**, STAG04HT	✓	✓	✓	
SC1102	✓	✓	✓ *6	
SC1100	✓			
SC1204				✓
CargoSense Toshiba Environmental Logger	✓		✓	
CartaSense U-Sensor O-Sensor	✓	✓	✓	
		✓		
Controlant CO 10.01, Saga	✓	✓ *5	✓ *7	✓
Saga H, Saga P	✓	✓		✓
DHL Smart Sensor RFID	✓			
Descartes CoreInsight Standard Tag SDT001, PLT001	✓			
DeltaTrack Inc. FlashLink Dry Ice USB PDF In-Transit Logger (Models of 407xx Series) FlashLink NOW 22493	✓			
	✓			
ECS GWS-CSCG Logistic Monitoring Gateway	✓	✓ *5		

1 For 7P Solutions devices, following settings have to be ensured before usage on board: Flight Mode (OnOff_enable) = Activated, GPS fix available (OnTIme) > 5min, GPS fix unavailable (OffTime) < 1min, Minimum TX Altitude (SFAlt) <2000m, Maximum TX Speed (SFSpeed) <100 km/h
2 7P Solutions GL 200 not permitted to be used aboard of Swiss flights
3 Only GL300 Series approved on Aerologic
4 AUA also approved the extended battery for GL300MG
5 Device only approved on Austrian Airline flights for COVID-19-Shipments upon request. Please contact cargomanager@austrian.com for individual approval. (Devices >100mW are not permitted on OS B767 fleet operated flights, a case-by-case assessment is therefore required to ensure requested route will not be operated with OS B767)
6 Not permitted on OS 767 Aircrafts
7 Kindly refer to https://www.swissworldcargo.com/en/activetrackingdevices for further important information

Customer-owned Tracker

Cargo Tracking Device Manufacturer | Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines Edelweiss	Approved Aerologic
Elpro LIBERO CB, CD, CE, CH, CI, CL, CS	✓	✓	✓ *7	
LIBERO GE, GF, GH, GL, GS	✓	✓ *5	✓ *7	
Elitech LogET 1	✓			
Emerson Electric Co. Go Real-Time 4G/5G, XL 4G/5G (Reusable)	✓	✓	✓	
Emerson GO Real-Time 4G/5G Global Emerson GO Real-Time 4G/5G Global Plus	✓			
Freight Logger FreightLogger Mk1	✓			
Frigga Frigga V5 Series / Frigga T7	✓			
GEGO Global Tracker V1, V1W	✓			
GEO Single Use IoSC Egde (V2)	✓	✓ *5		
Hanhaa ParceLive	✓	✓ *5	✓	
HERE Technologies HERE Premier Tracker	✓		✓	✓
Hive-Zox BEEcon	✓		✓	
BEEconIoT with Probe	✓	✓ *5	✓	
BEEconIoT		✓ *5	✓ *8	
Honeywell RTHAL-C1, 3G-ST-THALP-1	✓		✓ *7	
BluTag 360	✓	✓	✓	
Intelyt iCHIME, iTAG	✓	✓	✓	
iTraq iTraq Butterfly	✓	✓ *5	✓	
Kirsen Global Security Schenker Smartbox A-Type	✓	✓ *5	✓	
Loco HGR 4				✓
Logmore TAG Sensor	✓			
Data Logger 10/20/30/40/50/60	✓			
LogTag Recorders Ltd. LogTag TRIX-8, TRIX-16	✓			
LogTag EV-16, USRIC-8, USRIC-16	✓			
Modum MODsense T	✓	✓	✓	
Moog Sense Aware 3000, ILC 3000	✓	✓ *5	✓	
Murata Manufactoring Co.,Ltd. muRata LBBC0ZZ2AM-690		✓		

5 Device only approved on Austrian Airline flights for COVID-19-Shipments upon request. Please contact cargomanager@austrian.com for individual approval. (Devices >100mW are not permitted on OS B767 fleet operated flights, a case-by-case assessment is therefore required to ensure requested route will not be operated with OS B767)

7 Kindly refer to https://www.swissworldcargo.com/en/activetrackingdevices for further important information

8 AWB must include statement "Not restricted as per special provision A123."

Cargo Tracking Device Manufacturer | Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines Edelweiss	Approved Aerologic
MSR Electronics MSR 63, 64, 83, 84, MSR175plus	✓	✓		
MSR 145B4, MSR 145B7, 145B8, 145B15, 145B16, MSR165B8, MSR175B16T2AA5	✓	✓		
MSR175B16T6H3P5AA5L2 175B56T6H3P5AA5L2G	✓	✓		
Onset Computer Corporation InTemp CX 501, CX502, CX503	✓	✓ *5	✓	
InTemp CX602, CX603, CX702, CX703	✓			
Reelables Inc. A-Label	✓			
Roambee *7 BeeBeacon	✓	✓		
BeeSense Modbus (BL-MOD-3)	✓	✓ *5		✓
BeeAir, Beacon Plus		✓	✓	
Plus Probe VOC		✓	✓	
BeeSense (RMBU_3GTR)	✓	✓ *5	✓	
BeeSense Flex (BNG500M)	✓	✓ *5	✓	✓
SAS Tracker STRACKER PT35	✓	✓ *5	✓	
SENCIUS TECHNOLOGIES Tempnote®V1, Lite V2.0, T32SU, T32,TH32	✓	✓	✓	✓
Sendum PT300D	✓	✓ *5	✓	
SenseAware SA3000, PT300D*5	✓	✓	✓	
SenseAware 4000, M4	✓	✓ *5	✓	
SenseAware ID, FedEx SenseAware ID		✓ *5		
Sensire TSN Prop	✓	✓ *5		
Sensitech TempTale Geo Ultra, VizComm View Ultra (T11013050) TempTale Geo Ultra Dry Ice (T11013070)	✓	✓ *5	✓	✓
TempTale GEO Ultra 16K AMBIENT (T11012570) TempTale Ultra Multi-Use (T11012940) TempTale Ultra Dry Ice Ambient (T11012800)	✓			
TempTale Ultra 16K, 64K, Fit, Dry Ice Probe, Probe, Humidity, Ultra BIO TagAlert NFC T11012870	✓	✓		
TempTale Geo X, XE, XP, XEP	✓			
Shenzen Minew Technologies Co. Ltd. D15N	✓			
Shipit.to SIT1002	✓	✓ *5	✓	
SkyCell Savy Sensor (Model 800)	✓	✓ *5	✓	
SECURE Live MR Logger (810,811,812)	✓			

5 Device only approved on Austrian Airline flights for COVID-19-Shipments upon request. Please contact cargomanager@austrian.com for individual approval. (Devices >100mW are not permitted on OS B767 fleet operated flights, a case-by-case assessment is therefore required to ensure requested route will not be operated with OS B767)

Cargo Tracking Device Manufacturer | Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines Edelweiss	Approved Aerologic
Sony Visilion Mobiam Tracker	✓	✓ *5	✓	✓
Vislion Tracker G100 (VT-G100)	✓	✓ *5		
Sensos Smart Label Gen 1.0	✓			
Stefanelli Enterprises Temp-Tock D Temp-Tock A	✓			
System Loco Loco Tag E4BL	✓	✓		
HGR4	✓			
HGD4	✓	✓ *5		
Swissairtainer SAT RKN Active ULD				✓
Tag-n-Trac Tac-n-Trac SLB1	✓	✓	✓	
Smart Sense Tag ST100	✓			
Tec4Med Smart Beacon, Temp Beacon, CyroBeacon	✓	✓	✓	
Smarthub, Smartlock	✓	✓ *5		
Tempmate GmbH tempmate S1 V2	✓	✓	✓	
Tempmate-S2	✓			
TempSen ITAG4, Bio, TH, SP, Tempod 30, 50X, 90S, 100X, 200X, 20B, 50XB, 100XB, 200XB, Alpha TH30		✓		
G100				✓
ITAG3 Pro	✓			
Theftex GmbH Thingfox T2	✓			
Tive TT-4000 (Flagship)	✓	✓	✓	
TT-6000	✓			
TT-7000 (Solo 5G), TT7100 (Non-Lithium)	✓	✓ *5	✓	✓
ToolLive TL001	✓	✓	✓	
Trackonomy FBB-2000	✓	✓ *5	✓	
FWB-2000	✓	✓	✓	
TSS TempTracer 2,3, Humidity, BLE, WebLogger, II, Dry Ice	✓	✓	✓	
T-Systems ECD ECD Solid II	✓	✓		
Versa Versa 1	✓	✓ *5	✓	
XSense LTD HiTag2.0	✓			

5 Device only approved on Austrian Airline flights for COVID-19-Shipments upon request. Please contact cargomanager@austrian.com for individual approval. (Devices >100mW are not permitted on OS B767 fleet operated flights, a case-by-case assessment is therefore required to ensure requested route will not be operated with OS B767)

Cargo Tracking Device Manufacturer | Designation	Approved Lufthansa Cargo	Approved Austrian Airlines	Approved Swiss Airlines Edelweiss	Approved Aerologic
zLogg LLC Z1 Series (e.g. z1LcdMu, Z1H)	✓			