



# Logger Vendor Approval Manual



## Contents

<b>14</b>	<b>Definition.....</b>	<b>2</b>
<b>14.1</b>	<b>Approved Devices .....</b>	<b>2</b>
14.1.1	Transmitting Devices .....	2
14.1.2	Non- Transmitting Devices .....	2
<b>14.2</b>	<b>Submission Process and Final Approval .....</b>	<b>2</b>
<b>14.3</b>	<b>SkyCargo Origin.....</b>	<b>3</b>
14.3.1	Shipper’s Roles & Responsibilities .....	3
14.3.2	Emirates SkyCargo - Origin .....	3
14.3.3	Documents Required For Approval of Logger .....	3
<b>14.4</b>	<b>Emirates HQ.....</b>	<b>3</b>
14.4.1	SkyCargo Product Development .....	3
14.4.2	Emirates Engineering .....	3
14.4.3	Emirates Flight Operations .....	<b>Error! Bookmark not defined.</b>
14.4.4	Emirates Regulatory Affairs.....	4

## 14 Definition

Temperature, humidity, light sensor or location Devices (collectively referred to as “loggers” here on) used by Shippers or their appointed Agents in the transportation of Air Cargo need to be ratified by Emirates Airlines as fit for air transportation.

This manual defines the requirements, process and parties involved in the ratification of such devices prior to acceptance of shipment at Origin.

### 14.1 Approved Devices

#### 14.1.1 Transmitting Devices

Moog-Crossbow AG ILC 2000
Sendum PT300 or 300D with Advanced Sensor Pack (Basic Sensor Pack not suitable for aircraft operations)
K + N U Sensor model 100115
7P Solutions – GD 100 – Disposable Single Use Tracking Device with SecureFlight™
7P Solutions – GL300W – Tracker with SecureFlight™
Envirotainer container – RAP e2 using Sentry 500
CORE Bluetooth Low Energy (BLE) Tag
Controlant CO 10.01
CAENRFID Easy2log Family – RT0004/RT0005
Onset CX500 Series – CX501/CX502/CX503 – BLE Temperature Loggers
Verigo POD Series – PA2 / PB3 / PD0 / PE0 – BLE Temperature Loggers
OnAsset Sentinel 100

#### 14.1.2 Non- Transmitting Devices

PAKSense UltraContact – Temperature data logging label
DeltaTrak – Temperature Recorder
LogTag Recorders – TRIX – 8 – Multi-use Temperature Recorder
TOWER Cold Kyrologger KL09
Berlinger Q-Tag Family
Sensitech TempTale 4
TSS TempTracer2
Sensitech TempTale Ultra
Elpro Libero Tx and Cx Series
Sensolabo
Tempmate S1 V2

### 14.2 Submission Process and Final Approval

Emirates SkyCargo will submit approval request for loggers to Emirates Engineering, Emirates Flight Operations and Emirates Regulatory affairs during the first week of every quarter of the Financial Year. The results are then published in this manual within 4 weeks from submission date. Emirates SkyCargo Standards & Procedure will notify the network via circular of the following cycle.

## 14.3 SkyCargo Origin

### 14.3.1 Shipper's Roles & Responsibilities

Shipper or their appointed agent must declare the Special Handling Code (SHC) “EMD” on the Handling Information of the AWB if loggers are utilized during the transportation of Shipment. Placement of the said Loggers on the shipment must be clearly marked for easy identification.

Only approved devices as mentioned in 14.1 can be used for transportation on Emirates Airlines.

### 14.3.2 Emirates SkyCargo - Origin

SkyCargo Origin must verify the logger used is as per the approved devices of 14.1. If an unapproved device is used for the shipment, Emirates SkyCargo reserves the right to refuse the shipment on grounds of Aircraft Safety and Navigation System Interferences.

Cargo Manager or COPO must collect the document as specified in 14.3.3 from shipper or their Agent and if necessary from the Manufacturer directly. The checklist and all supporting documents are then forwarded to SkyCargo Business & Product Development ([SkyCargoBusinessandProdDev@emirates.com](mailto:SkyCargoBusinessandProdDev@emirates.com)) and Zeeshan Haris ([zeeshan.haris@emirates.com](mailto:zeeshan.haris@emirates.com)).

### 14.3.3 Documents Required For Approval of Logger

[Click here to download 14-A Documents Required for Approval of Logger.](#)

## 14.4 Emirates HQ

### 14.4.1 SkyCargo Product Development

SkyCargo Product Development Team will verify if all documents specified under 14.3.3 are received in Full. SkyCargo Product Development will then establish the business need for vetting the supplier and their device. Once evaluated, SkyCargo Product Development will hand over the documents to Emirates Engineering for issuing a Technical Report as agreed in 14.2.

### 14.4.2 Emirates Engineering

Emirates Engineering Emirates engineering will evaluate the documentation as provided by SkyCargo Product Development. Provided all documents are up to date and as per Emirates Engineering's requirement, the process can take up to 10 working days and may require further technical advice from the aircraft and logger manufacturer to confirm that the devise will not obstruct any of the aircraft operation. Emirates Engineering will prepare a Technical Report which is then submitted to Emirates Flight Operations for Risk Assessment.

#### **14.4.3 Emirates Flight Operations**

Emirates Flight Operations will evaluate the Technical Report and prepare the Risk Assessment for VP Cargo Product Development and SVP Cargo Operations Worldwide. If and when approved, the Risk Assessment is initialed by VP Product Development and counter signed by SVP Cargo Operations Worldwide in sets of two copies. A copy of the Risk Assessment is maintained at Emirates Flight Operations while the other copy is maintained at Emirates SkyCargo Standards & Procedure. Emirates Flight Operations will forward a copy of the signed Risk Assessment to Manager Regulatory Affairs.

#### **14.4.4 Emirates Regulatory Affairs**

Emirates Regulatory Affairs will file the signed Risk Assessment with UAE General Civil Aviation Authority which then completes the ratification for the logger.