

# Air Cargo Shipping



With the implementation of the SensorTransport technology platform, you gain the satisfaction of knowing that your shipments are handled properly as they are transported by air cargo through the global supply chain.

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## **Introduction**

The SensorTransport IoT sensor allows you to improve your relationships with airline and forwarder partners, ensure customer satisfaction, and enhance your company brand. With unique handling requirements and movements of freight in your partner's hands, the information that is provided by our sensors ensures an extra layer of comfort for both suppliers and consumers; whether it be temperature sensitive cargo, high-value freight, or other unique requirements.

## **Airlines**

Whether you are moving ten miles via truck or four thousand miles by air, transporting your goods from point A to point B is no simple task. When moving shipments via air cargo, either on a passenger carrier or all-cargo operation, shippers, forwarders, and brokers need to be aware of the many regulations that come with moving freight to a domestic or international destination. The Transportation Security Administration (TSA), Federal Aviation Administration (FAA), the



International Civil Aviation Organization (ICAO) and other groups continue to be an integral part of cargo security and compliance regulations that airlines and freight forwarders must follow. Many airlines today have added extra layers of security and compliance procedures to ensure those who have access to cargo are compliant and minimize the potential risk of receiving a civil or even criminal penalty. This is especially relevant for potentially hazardous shipments with the

elevated concerns surrounding lithium ion batteries. Airlines have developed their own data logging systems for air cargo shipments in addition to implementing their additional security protocols. Below are key considerations when using the SensorTransport data logger solution.

## **Booking your cargo with data loggers:**

Whether you are an Indirect Air Carrier (IAC), Freight forwarder, or direct Known Shipper, you must indicate to the booking center that you will be using a data logger. Since each airline has specific rules for the use of data loggers, be prepared to provide all of the IoT information required (i.e., type of battery, size, and placement in freight).

## **FAA & IATA Dangerous Goods Requirements:**

The IoT sensor is being powered by a small lithium coin battery (3 volt) so the question you may have is whether or not you have to properly declare it with a Dangerous Goods Declaration. When using the SensorTransport IoT, the answer is a simple "No!" Per PHMSA Interpretation response #17-0023, the use of such a device with this style & type of battery does not require a lithium battery marker to be displayed on any of the skids or pieces tendered.

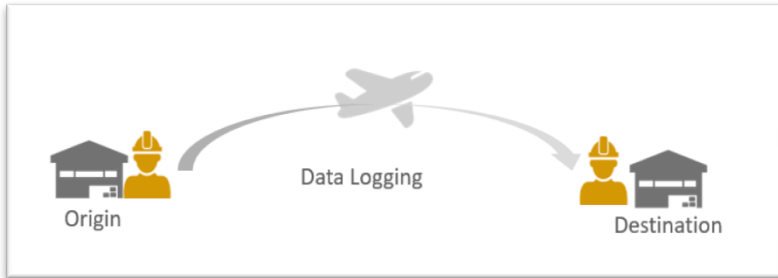


You can find the interpretation here: <https://www.phmsa.dot.gov/regulations/title49/interp/17-0023>

## **Time of Tender**

As previously stated above, each airline has their own special requirements when it comes to data logging devices, so it is imperative that whoever is making the air arrangements (i.e. Cutting AWB, commercial manifest/invoices) notates the use of the device. The notation is preferably done in the

Handling Information section above the “pieces and weight” description. It is important if using more than one device at a time to notate how many are contained throughout the piece count.



The device should also be notated on the commercial manifest/invoice as well, since many times goods travel as consolidations.

The more information an airline and their Ground Handling Partners (GHA's) are given, the fewer questions will arise. This will prevent issue at the time of acceptance, which includes security screening and international customs compliance. Cargo screening (x-ray & physical) requires that the screening operator be able to properly identify objects within boxes or any other packaging. Properly identifying IoT's will insure shipments move seamlessly through the air portion of your supply chain.

With the increase in security and compliance measures and focus with airline partners worldwide, shipments are more heavily monitored and analyzed than ever before. Having the correct documentation and notations on all paperwork, will help reduce possible delays and ensure your cargo meets its schedule deadlines while also having the knowledge and peace of mind that your cargo was handled properly.

### **About Sensor Transport**

*We deliver logistics solutions that protect top brands and deliver value against widespread supply chain challenges. Our team leverages advanced IoT and Mobile App technologies to provide real-time monitoring of goods in transit.*

**Contact:** <https://www.sensortransport.com/>