

Military Surface Deployment and Distribution Command
Customer/Carrier Advisory
28 August 2020
USTC-CA-00031

Subject: Next Generation Delivery Service (NGDS) FedEx Express (FedEx) use of SenseAware ID on First Overnight next day deliveries.

Purpose: To advise all shipping activities on the FedEx use of a new SenseAware ID tag capability for shipments executed using First Overnight delivery service and provide additional information regarding shipper impacts/responsibilities regarding these tags. Other electronic package tracking capabilities exist and are in use by other shippers. Although this advisory specifically addresses the FedEx SenseAware ID, the guidance in this advisory applies to all such electronic package tracking capabilities.

Be Advised: This advisory takes effect immediately. FedEx is implementing a new tag capability in the SenseAware family of capabilities. This tag, known as the SenseAware ID, enhances package tracking within the FedEx network on all First Overnight delivery service shipments. This service is different from other SenseAware capabilities provided by FedEx under the NGDS contract and will be provided at no cost to shippers. FedEx is responsible for applying and removing the tag from all packages. Agencies can avoid the use of these tags by not using the First Overnight shipment service level. If the courier fails to remove this tag upon delivery, package recipients are advised to remove the device prior to the package entering a secure space (such as a space designated or accredited for the storage, processing, or discussion of classified information, an arms room or weapons vault, or other similar spaces) and return it to a FedEx courier or representative at the earliest available opportunity. Do not allow these tags, or any SenseAware units (or other parcel tracking technology), to collect in secure spaces awaiting their return to FedEx (or the appropriate vendor). Do not destroy or throw away these tags; all recipients must make all reasonable efforts to return tags to FedEx. Recommend broadest dissemination of this advisory to all transportation officers, mail managers etc, additionally, recommend use of local public affairs announcements, papers etc. to ensure NGDS users at all levels are made aware of this issue.

Countermeasures: While the FedEx courier is instructed to remove the device upon package delivery, follow the subsequent guidance to mitigate risks:

- While considered a low risk, the FedEx SenseAware ID device should not enter any secure space, especially a Sensitive Compartmented Information Facility;
- The FedEx SenseAware ID device can be given to any FedEx Express driver or returned to a FedEx Express or FedEx Office location;
- Consider not using FedEx First Overnight delivery for your packages destined for secure spaces; other FedEx Services such as FedEx Priority Overnight, FedEx Standard Overnight, FedEx Economy Service, FedEx Express Saver, FedEx Ground, FedEx Freight, and FedEx Custom Critical do not use FedEx SenseAware ID.

- Be aware that other delivery services devices may be in use that appear similar to the FedEx SenseAware ID device, but have different capabilities. Follow similar countermeasures as the ones discussed above when dealing with other delivery service devices.

Additional details as provided by FedEx:

The SenseAware ID is a patented FedEx managed Bluetooth Low Energy (BLE) beacon, similar in function to a "tile" or other BLE tracker. The unit is FedEx equipment provided as additional custodial control within the FedEx network for First Overnight shipments. The device continually broadcasts its identity and settings while having no awareness of its location or other devices surrounding it. The device is not aware of the identity of the package, courier or even facility to which it is attached or located. The ID tag does continually transmit its unique identifier as a beacon both inside and outside the FedEx network as long as it has battery life.

Security and Radio Compliance Points:

1. The SenseAware ID is not a GPS device nor an RFID tag (Passive or Active)
2. The SenseAware ID cannot communicate with or benefit from nearby GPS devices or networks
3. The SenseAware ID is designed to not have its behavior changed outside the FedEx network or facilities
4. The SenseAware ID is fully certified to operate as a BLE radio by the FCC under ID: SDKUX-ID2
5. It is significantly different from the more capable FedEx SenseAware device, which captures GPS, light, humidity, shock, and can be geofenced.



It is the standard FedEx procedure for the SenseAware ID to be removed prior to final delivery scan by the FedEx courier or personnel providing delivery. FedEx is continuously developing automation and communication strategies to ensure the units are removed prior to the proof of delivery scan. However, should a SenseAware ID be left on the package, it can be removed from the package and stored outside the secure space until it can be returned to FedEx personnel.

- **Service coverage:** FedEx First Overnight domestic packages only
- **Size/weight:** 48.26 mm x 22.86 mm x 6.25 mm; weight: 7 g.
- **Usage:** FedEx will affix the SenseAware ID to FedEx First Overnight shipments and remove the device prior to delivering the package. If the device

is found, it can be given to a FedEx Express driver or returned to a [FedEx Express or FedEx Office location](#).

- **Benefits:**

- Provides real-time location tracking throughout Express system
- Improves efficiencies in Express network
- Increases on-time delivery and dependability of FO packages
- As this is a FedEx network efficiency tool there is no cost

POC: USTRANSCOM Commercial Services Branch, (618) 220-5773, DSN 770-5773.

Expiration: To be determined