

Technical Bulletin

Tag and Battery Storage Best Practice

This document describes the best practice for storing tags and batteries in the CenTrak RTLS System. Adhere to these instructions to extend the operation of devices affected by the natural depletion of power that occurs over the lifetime of battery operation.

Batteries must be purchased through CenTrak to retain warranty privileges and to maintain product operation according to specifications.

Tags Received From Shipment

Tags received in the On state from CenTrak must be stored in areas free of Star coverage when not in service. On state identifications are provided on packing slips associated with Tags shipped in the active condition.

Store Tags that are not in service:

- In dry environments at temperatures between 77° F, 25° C and -4° F, -20° C
- On stable, motionless surfaces

Battery Storage and Handling

Battery power depletes due to leakage current regardless of storage. Purchase batteries near the time of service to limit battery depletion and place batteries in service within 6 months of receiving battery shipments. This requirement applies to batteries received in individual or bulk supplies as well as batteries received in any CenTrak device.

Replacement batteries received from CenTrak must be stored:

- In dry environments at temperatures between 77° F, 25° C and -4° F, -20° C
- In original packaging
- On stable, motionless surfaces

Provide the following precautions when storing and handling batteries:

Do Not Stack or Store Batteries Loosely	Stacking batteries can cause short circuits. Battery short-circuits can cause explosions. Store batteries in original shipment packaging to prevent possible short circuit conditions.
Do Not Drop or Impact Batteries	Dropping or impacting batteries can puncture the outer casing and release internal chemicals. Never puncture the outer casing to avoid exposure to corrosive battery chemicals.
Do Not Store with Combustible Material	Do not store batteries in the proximity of other combustible or flammable materials. Store batteries in isolated areas, away from combustible materials.
Do Not Incinerate	Always keep batteries away from fire or other sources of heat. Never incinerate. Explosions can occur when batteries are exposed to high temperatures.
Do Not Use Depleted Batteries	Always replace old batteries with new. Never mix old and new batteries. Replacing batteries in this manner to maintain advanced alerting provisions offered with most CenTrak devices.



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