

Verifying Accuracy

At the core of any RFID system is the promise of both **speed and accuracy**. While speed is easy to measure—simply compare how long inventory tasks take now versus before—accuracy is what truly matters. Fast processes are meaningless if the resulting numbers can't be trusted.

So how do you ensure your inventory is accurate?

By auditing.

The auditing feature empowers you to validate your inventory data and confirm accuracy firsthand. When items are properly tagged and processes are followed, RFID systems can consistently achieve **97-99% accuracy**. The key is having a reliable method to verify and improve that accuracy over time.

Do You Have Another System to Compare Against?

Yes — Use It as Your Baseline

If you already have an existing system (ERP, WMS, or prior inventory records), this becomes your reference point.

Using the **Audit** feature, you can compare RFID scan results against your expected counts. As you scan items, the system will immediately show whether they match or do not match your expected inventory.

When mismatches occur, the next step is investigation:

- Are all items properly tagged?
- Are tags placed in a way that allows reliable scanning (e.g., not blocked by metal)?
- Are scanning techniques optimal (speed, distance, settings)?
- Could items have been moved, lost, or stolen?

At this stage, it's important to recognize:

Neither system is automatically “right.” Validation requires physically checking discrepancies.

This process is essential. Each audit teaches you:

- How and where to tag items
- How densely items can be stored
- How to scan effectively (speed, distance, and settings)

Over time, as you refine your process, the number of mismatches will decrease. Eventually, your counts will consistently align, giving you confidence in your **true on-hand inventory**.

No — Validate Against Your Own History

If you don't have a separate system to compare against, you can still verify accuracy by auditing against your previous scan data.

Follow this process:

1. **Confirm your Absent list is clear**
Ensure there are no lingering discrepancies from prior scans.
2. **Reset using the Audit function**
From the *Scan* tab, click **Audit**. This moves all currently verified items into an *Absent* status, effectively resetting your baseline.
3. **Perform a new scan**
Use the **Scan** option to re-scan your inventory.
4. **Review results**
 - Items detected again will return to a verified state
 - Items not found will remain on the *Absent* list

These *Absent* items represent changes since your last audit—items that may have been removed, relocated, or require further investigation.

Building Confidence Through Process

Accuracy isn't achieved in a single scan—it's built through **consistent auditing and refinement**.

Each audit helps you:

- Identify and correct tagging issues
- Improve scanning techniques
- Understand environmental factors affecting reads
- Reduce discrepancies over time

As mismatches shrink and consistency improves, you gain confidence in your data. At that point, your RFID system becomes a reliable source of truth for inventory—delivering not just speed, but accuracy you can trust.

Revision #9

Created 22 May 2025 22:38:41 by Stan Andrus

Updated 4 May 2026 23:13:57 by Stan Andrus