



WMS Mobile Device Integration Checklist

Device Compatibility & Setup

Verifies compatibility with various mobile devices and ensures proper initial setup and configuration.

Operating System

- ☐ iOS
- ☐ Android
- ☐ Windows Mobile

Minimum Supported OS Version


Device Type

- ☐ Smartphone
- ☐ Tablet
- ☐ Rugged Device

Supported Device Manufacturers

- ☐ Apple
- ☐ Samsung
- ☐ Zebra
- ☐ Honeywell
- ☐ Motorola

Device Configuration File (if applicable)

 Upload File

Device Model(s) Tested

Write something...

Bluetooth Connectivity Verified

☐ [object Object]

User Authentication & Security

Confirms secure user login and access controls for mobile users.

Authentication Method

- ☐ Username/Password
- ☐ Two-Factor Authentication (2FA)
- ☐ Biometric Authentication

Password Complexity Enforcement

- ☐ Enabled
- ☐ Disabled

Password Expiry Days

Enter a number...

Account Lockout Policy

- ☐ Enabled
- ☐ Disabled

Invalid Login Attempts Before Lockout

Enter a number...

Session Timeout Duration

- ☐ 15 Minutes
- ☐ 30 Minutes
- ☐ 60 Minutes

Data Synchronization

Ensures accurate and timely data transfer between the WMS and mobile devices.

Synchronization Frequency (Minutes)

Enter a number...

Synchronization Method

- ☐ Real-time
- ☐ Scheduled
- ☐ On-demand

Last Successful Sync Timestamp (Unix Epoch)

Enter a number...

Synchronization Error Log (If Applicable)

Write something...

Data Conflict Resolution Strategy

- ☐ WMS Wins
- ☐ Mobile Wins
- ☐ Manual Resolution

Data Volume Synced (MB)

Enter a number...

Task Management

Validates the functionality of mobile-based task assignment and completion tracking.

Task Assignment Method

- ☐ Manual
- ☐ Automatic (Rule-Based)
- ☐ Dynamic (Real-Time)

Task Completion Time (Estimated)

Enter a number...

Task Due Date

Enter date...

Task Start Time (Actual)

Enter time...

Task Priorities

- ☐ High
- ☐ Medium
- ☐ Low

Task Notes/Instructions

Write something...

Task Status

- ☐ Pending
- ☐ In Progress
- ☐ Completed
- ☐ Cancelled

Barcode Scanning & Data Capture

Tests barcode scanning accuracy and data capture reliability within the mobile application.

Scan Accuracy Rate (%)

Scanner Type

- ☐ Wireless Scanner
- ☐ Wired Scanner
- ☐ Mobile Device Camera

Scan Time (seconds)

Barcode Symbolologies Supported

- ☐ Code 128
- ☐ QR Code
- ☐ UPC-A
- ☐ EAN-13
- ☐ PDF417

Notes on Scanning Issues (if any)

Write something...

Data Validation Error Handling

- ☐ Immediate Error Message
- ☐ Log Error and Continue
- ☐ Requires Supervisor Override

Real-Time Location Services (RTLS)

If applicable, checks integration and functionality of RTLS for mobile devices.

RTLS Device Accuracy (meters)

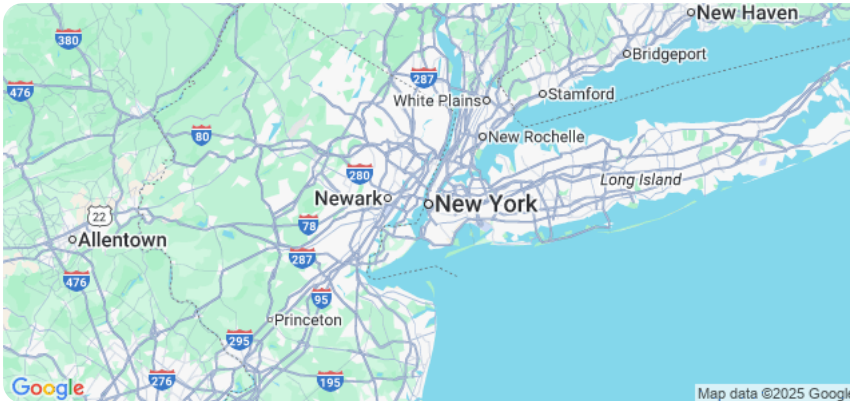
Enter a number...

RTLS Integration Method

- ☐ API
- ☐ Middleware
- ☐ Direct Database Connection

Sample RTLS Device Location (for testing)

 [Set My Current Location](#)



RTLS Data Refresh Rate (seconds)

Enter a number...

RTLS Triangulation Method

- ☐ Time Difference of Arrival (TDOA)
- ☐ Angle of Arrival (AOA)
- ☐ Received Signal Strength Indication (RSSI)

Describe any RTLS-specific configurations

Write something...

User Interface (UI) and Usability

Assesses the ease of use and overall usability of the mobile WMS interface.

Overall Ease of Navigation

- ☐ Very Easy
- ☐ Easy
- ☐ Neutral
- ☐ Difficult
- ☐ Very Difficult

Clarity of Icons and Symbols

- ☐ Very Clear
- ☐ Clear
- ☐ Neutral
- ☐ Unclear
- ☐ Very Unclear

Font Size Adequacy (1-10, 1=Too Small, 10=Ideal)

Enter a number...

Screen Layout Appropriateness

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

Specific UI/UX Improvements Suggested

Write something...

Error Handling and Reporting

Confirms that error messages are clear and actionable for mobile users, and are properly reported to the WMS.

Describe the error message displayed to the user in case of a synchronization failure.

Write something...

Error Code generated during failed barcode scan (if applicable).

Enter a number...

Error reporting mechanism in place (e.g., email, log file, dashboard).

- ☐ Email Notification
- ☐ Log File Entry
- ☐ Dashboard Alert
- ☐ None

Details of steps taken to troubleshoot a recurring error.

Write something...

Date of last error report

Enter date...

Time of last error report

Enter time...

Offline Functionality

Tests the ability of the mobile application to function and store data offline, and to synchronize when connectivity is restored.

Maximum Data Storage Capacity (MB)

Enter a number...

Data Synchronization Method

- ☐ Full Synchronization
- ☐ Differential Synchronization

Last Successful Offline Synchronization Date

Enter date...

Scheduled Offline Synchronization Time

Enter time...

Description of Data Conflicts Resolution Strategy

Write something...

Conflict Resolution Priority

- ☐ Local Data Overrides Server
- ☐ Server Data Overrides Local

Maximum Number of Records Stored Offline

Enter a number...

Performance and Stability

Evaluates the speed, responsiveness, and overall stability of the mobile application under various usage scenarios.

Average Response Time (Seconds)

Enter a number...

Peak User Load (Simultaneous Users)

Enter a number...

Crash Rate (per 1000 sessions)

Enter a number...

Network Conditions Tested (e.g., Wi-Fi, 4G, 5G)

- ☐ Wi-Fi
- ☐ 4G
- ☐ 5G
- ☐ Other

Detailed Observations & Notes on Performance

Write something...

Date of Performance Testing

Enter date...