

Decision Checklist & Pilot Acceptance — Multi-Warehouse Stock Control

Use this one-pager to evaluate solutions and record pilot results before committing.

Integrations

- Events for items, on-hand (site/bin), receipts/ASNs, picks/shipments, transfers, returns
- P95 latency $\leq 60s$; error queue + auto-retry; daily snapshot reconciliation $\leq 0.1\%$ delta
- Clear system-of-record: stock control = inventory truth; WMS = execution; ERP = finance

Multi-warehouse depth

- ATP by location; reservations/holds; backorders/partial
- Transfer workflow (request→ship→receive) with variance capture + audit trail
- Per-site ROP/safety stock/lead times/service levels

Traceability & audits

- Lot/serial at unit level; FIFO/FEFO; quarantine → release
- 2-minute trace sale → receipt; immutable logs; exportable

Floor execution

- Mobile barcode/RFID with offline cache & resync
- Scan compliance $\geq 95\%$; pick errors $\leq 0.3\%$

Counting & control

- ABC cycle counts, spot checks, variance workflow (investigate → adjust → learn)
- Cycle-count compliance $\geq 95\%$; variance -30% on pilot SKUs

Governance & security

- RBAC, maker-checker on adjustments, audit exports

Pilot & economics

- 30–60 day pilot across 2 sites, ~500 SKUs; pass $\geq 6/7$ KPIs
- ROI > 0 ; payback < 12 months (software)

Kill-switches (any 'No' = stop)

- Lot/serial support • FEFO • Transfer audit trail • Error queue/retry • Offline scanning • Role-based access

Pilot Acceptance Table

KPI	Target	Result	Pass/Fail
P95 sync latency	$\leq 60s$		

Daily snapshot delta	$\leq 0.1\%$		
Scan compliance	$\geq 95\%$		
Inventory accuracy	$\geq 99.0\%$		
Variance reduction (pilot SKUs)	$\geq 30\%$		
Transfer SLA hit	$\geq 90\%$		
Pick error rate	$\leq 0.3\%$		