HNROS

Feature Scope Description

Business capabilities, implementation boundaries and recorded acceptance

English | Version 1.0 | 5 October 2026

Review baseline
Current reviewed HNROS source and help, with dated acceptance records. No single installed release is presumed to contain all reviewed changes.

A structured description of HNROS business functionality, with explicit prerequisites, limitations and source/evidence identifiers. This document helps a customer agree a realistic scope and acceptance plan.

Read implementation and acceptance separately
A feature may be present in source and documented help while its specific customer deployment, external provider account or physical-device acceptance remains open.

Product information: hnros.com
Help centre: hnros.com/yardim/

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01 Purpose, baseline and how to read this document

This document describes HNROS functionality observed in current product help and source, and selected dated acceptance records. It does not assert parity with every SAP function, imply that all described changes are installed in every package, or replace a customer-specific scope agreement.

Document control

Edition	HNROS Feature Scope Description, English, 1.0
Review date	5 October 2026
Coverage	Current source/help plus identified historical and in-progress acceptance records
Approval meaning	A scope review document; no blanket customer go-live approval
Revision policy	Reassess after material source, provider, localization or package changes

Two separate status dimensions

Documented. The feature has a current product/source description. Presence alone is not a complete acceptance.

Partial / bounded / configurable. Only the stated subset applies, or an explicit policy, mapping, sector selection or limit changes behavior.

Planned / not provided / not established. Do not procure on the assumption that this capability is delivered. A reviewed scope gap is not necessarily a defect.

Recorded, targeted. A dated record contains selected functional checks. Read the section note for environment, release and limitations.

Source reviewed / external pending. No full customer acceptance is asserted. Provider, account, hardware or installation checks must still be agreed.

References such as H19, J06 and E08 identify product help, implementation or acceptance evidence. The separate owner-facing source matrix contains exact reviewed paths, SHA-256 fingerprints and section mappings. The public PDF contains no credentials, licence keys, machine process IDs or private user paths.

Reference method and scope agreements

The organization was informed by the official SAP S/4HANA Cloud Private Edition 2025 Feature Scope Description, reviewed as version 2.3 (31 July 2026), 746 pages. Business-area organization and a background/key-features approach are used as a structural reference. HNROS content is independently written from its own evidence.

SAP feature lists, enhanced functions, industry licences, platform components and compatibility packs are not inherited by HNROS. This is an HNROS scope description, rather than an SAP comparison or SAP-approved document. SAP and SAP S/4HANA are SAP trademarks; no affiliation or endorsement is represented.

Agree acceptance before go-live
Match the installed engine/API/web versions, chosen database, roles, company mappings, provider contracts and physical environment. Convert relevant feature rows into customer acceptance scenarios and resolve partial/planned dependencies before relying on them.

Customer acceptance should include

- A precise release/package identity and the source changes it contains.
- Representative supported read/write/reversal flows for the chosen company, database and roles.
- Reconciliation of financial, quantity, lot and quality outcomes against agreed source records.
- Provider acknowledgements for every real bank, marketplace, mail and electronic-document connection.
- A separately commissioned physical factory/warehouse environment where device integration is required.
- Installation, restore/rollback and operational responsibilities appropriate to the customer environment.

No product workflows, database writes, services, device tests or external submissions were started to prepare this document. Existing records are reported with their original boundaries.

02 Deployment, company setup and licensing

HNROS separates a browser user interface, an HTTP/API layer and an HNR business engine connected to company databases. A review of source functionality is different from an installed-customer acceptance. Choose a deployment and a database before planning network access, credentials and migration.

Prerequisites. Prepare the selected database service, administrative credentials, company identity, secure network access and an appropriate seat entitlement.

Key feature and use	Scope and evidence
Browser and engine deployment Users access the application through a browser; the business engine and API run on the configured host. Local-network and remote access require separate network configuration.	**Documented** Source reviewed 02-01 H01, J01, R01, E06, E11, I01
Company setup The setup workflow creates or prepares company data, selects the SQL engine and applies configuration/seeding through controlled setup paths.	**Documented** Recorded, targeted 02-02 H01, J01, R01, E06, E11, I01
Database adapters Source adapters exist for Firebird, PostgreSQL, CockroachDB, Microsoft SQL Server and Oracle. Engine support is not identical certification of every function on every engine.	**Documented** Engine-specific evidence 02-03 H01, J01, R01, E06, E11, I01
Windows package preflight The reviewed installer requires a 64-bit operating system, Windows 10 or later, and at least 3 GB free for installation. Data and backups require additional space.	**Documented** Installer source only 02-04 H01, J01, R01, E06, E11, I01
Concurrent seats and renewal Two base concurrent seats are supported; additional entitlements include perpetual seats. Signed licence documents have a 35-day validity and require activation/regular online renewal.	**Documented** Recorded, targeted 02-05 H01, J01, R01, E06, E11, I01
Deployment responsibility Select server resources, network exposure, certificates, database privileges and backup locations for the installation. The document defines no universal sizing or uptime service commitment.	**Project-specific** Customer acceptance needed 02-06 H01, J01, R01, E06, E11, I01

Scope boundaries
The current Windows candidate is not a blanket clean-machine or signed-installer approval. Perpetual seat entitlement does not mean permanent offline licensing. Installed versions must be matched to the intended source changes.

Recorded evidence. Recorded rc3 checks cover package integrity, limited cold start and selected visit operations; clean Windows, signature and broader customer installation remain open. [E06]

03 Security, access and data governance

Business access is scoped to the active user and company. Permissions, warehouse/department visibility and selected corporate policies affect what can be read or changed. Security features support governance but do not themselves establish legal compliance or a complete information-security certification.

Prerequisites. Configure user roles, permitted companies/warehouses, cost and personnel access, approvers and administrator-owned policies before processing sensitive or high-value transactions.

Key feature and use	Scope and evidence
User and transaction permissions Control application actions and selected transaction types, including separate personnel, report and cost visibility. Company context remains part of access checks.	**Documented** Recorded, targeted 03-01 H02, H30, J02, R01, E01, E09
Warehouse and departmental scope Warehouse/department restrictions limit eligible reads and writes; operational controls are checked in relevant server paths.	**Documented** Source and selected checks 03-02 H02, H30, J02, R01, E01, E09
Four-eyes and amount controls Selected corporate financial operations can require an independent approver, amount permission and version/source revalidation.	**Documented, configurable** Recorded, targeted 03-03 H02, H30, J02, R01, E01, E09
Audit and document history Audit records and document history help review changes, reversals and source evidence. Read the applicable workflow rather than assuming a universal immutable ledger.	**Documented** Source and selected checks 03-04 H02, H30, J02, R01, E01, E09
Period and source protection Enabled locks protect relevant common posting paths and approved sources. Reversal and reason records preserve the business history.	**Documented, configurable** Recorded, targeted 03-05 H02, H30, J02, R01, E01, E09
Privacy responsibilities Restrict personnel and financial data, manage retention, secrets and exports, and define customer policies. GDPR or other legal compliance is not automatically certified by HNROS.	**Project-specific** Customer/legal review needed 03-06 H02, H30, J02, R01, E01, E09

Scope boundaries
Corporate period locking, second approval and selected quality/reconciliation controls are configurable and can be off by default. A route being available does not imply every role is permitted. No complete statutory privacy lifecycle or identity-provider certification is claimed.

Recorded evidence. Targeted financial authorization, source protection, period and approval checks are recorded. Broad role/mobile coverage is not inferred from a few form or API scenarios. [E01,E09,R01]

04 Master data and business documents

Customer/supplier accounts, stock cards, units, warehouses and document references provide the foundation for commercial and production workflows. Consistent identities and historical measurements are necessary for interpretable quantities, prices, margins and traceability.

Prerequisites. Define account and stock codes, base units, conversions, product types, prices, warehouses, document series and tax/account mappings appropriate to the company.

Key feature and use	Scope and evidence
Business partner accounts Maintain customer/supplier identity, balances, terms and related commercial documents using the existing account model.	**Documented** Source reviewed 04-01 H03, H10, H36, J13, R01, E03
Item types and images Classify raw material, intermediate/finished product, scrap, expense/service/labour and equipment families. Attach images and technical records to relevant stock cards.	**Documented** Source reviewed 04-02 H03, H10, H36, J13, R01, E03
Units and measurement history Use a base unit with defined conversions; document measurement records retain the conversion evidence instead of relabelling historical movement quantities.	**Documented** Recorded, targeted 04-03 H03, H10, H36, J13, R01, E03
Prices and document series Use price levels/lists and document numbering within the selected commercial workflow. Series and permissions require company configuration.	**Documented** Source reviewed 04-04 H03, H10, H36, J13, R01, E03
Document links Quotes, orders, delivery notes and invoices carry source relationships; invoices can collect multiple deliveries and preserve related detail.	**Documented** Recorded, targeted 04-05 H03, H10, H36, J13, R01, E03

Scope boundaries
A unit label is not a conversion factor. Monetary totals, base quantities and displayed transaction quantities must not be mixed. Existing companies may require a controlled schema/data upgrade before newer unit functionality is available.

Recorded evidence. Recorded production/unit and integrity work covers specific source mappings and transaction boundaries. It does not certify all migrated or manually entered master data. [E03,R01]

05 Finance: accounts, postings and open items

HNROS provides accounting and a corporate financial ledger alongside customer and stock movements. Mappings and genuine source documents determine postings. A prepared or balanced entry is not automatically a complete country-specific financial close.

Prerequisites. Configure the company accounting currency, accounts, source mappings, financial transaction permissions and the required approval rules.

Key feature and use	Scope and evidence
Chart of accounts and journals Maintain account definitions and debit/credit journal lines. Corporate transactions validate balances and source relationships before approval/posting.	**Documented** Recorded, targeted 05-01 H04, H30, J02, J17, E01, E04, R03
Document-derived postings Prepare/generate accounting entries from supported commercial sources using company mappings. Review sources and exceptions; automatic coverage is workflow-specific.	**Documented, bounded** Recorded, targeted 05-02 H04, H30, J02, J17, E01, E04, R03
Open-item settlement Match actual debit and credit movements of the same account, with partial/full settlement and remaining-amount checks. Record real payment or exchange movements before matching.	**Documented** Recorded, targeted 05-03 H04, H30, J02, J17, E01, E04, R03
Multi-currency treatment Translate supported source amounts to the accounting currency using recorded rates; exchange-difference and reversal behavior depends on the selected workflow.	**Documented** Recorded, targeted 05-04 H04, H30, J02, J17, E01, E04, R03
Financial statements Trial-balance and financial-report workflows are available, with a monthly management pack. Complete statutory statements and localization require separate assessment.	**Partial** Scope review required 05-05 H04, H30, J02, J17, E01, E04, R03
Fixed assets and depreciation A complete fixed-asset/depreciation module is planned. EBITDA can add back mapped depreciation expense already posted once in operating expense; this is not an asset register.	**Planned / limited reporting** Not a completed asset module 05-06 H04, H30, J02, J17, E01, E04, R03

Scope boundaries
Full local financial-statement coverage requires a separate accounting assessment. Not every historic document is automatically posted. Artificial exchange differences, missing balances or unknown costs must not be introduced to force reconciliation.

Recorded evidence. Recorded targeted ledger controls and the 1 October currency/posting correction distinguish document currency from accounting-currency movements. [E01,E04]

06 Period close and reconciliation checkpoints

The period-close workflow checks recorded stock, account/open-item and financial sources at a selected date. A saved checkpoint is distinct from a legal filing and from an administrator-enforced period lock.

Prerequisites. Use administrator access, complete cost/ledger mappings and current source records. Select the intended reconciliation-blocking and period-lock policies.

Key feature and use	Scope and evidence
Period checks Review stock quantity/value, account balances, open items, approved financial records and production-cost evidence for the chosen close date.	**Documented** Recorded, targeted 06-01 H05, J10, J02, E02, R01
Warnings and blocking policy Missing cost, unposted sources and inconsistencies are shown. Administrators choose whether reconciliation differences prevent close; warnings remain evidence when permitted.	**Documented, configurable** Recorded, targeted 06-02 H05, J10, J02, E02, R01
Source freshness The server recalculates or revalidates source stamps when saving; changed-source previews cannot silently become an accepted checkpoint.	**Documented** Recorded, targeted 06-03 H05, J10, J02, E02, R01
Immutable checkpoint and reopen Save the close evidence; reopening requires a reason and preserves the original version. Later closed periods are reopened first.	**Documented** Recorded, targeted 06-04 H05, J10, J02, E02, R01
Period-lock enforcement When enabled, relevant common stock/account/financial paths reject writes into the closed period. With locking off, historical-source changes can be detected when reading the checkpoint.	**Documented, configurable** Recorded, targeted 06-05 H05, J10, J02, E02, R01

Scope boundaries
Both reconciliation blocking and period locking are configurable, with off-by-default behavior recorded. A warning-permitted checkpoint must not be described as a clean reconciliation. No tax filing or missing opening balance is created by closing.

Recorded evidence. The 24 September plan/close work records 28 targeted scenarios across its combined scope and nine controlled-browser checks; later policy preferences qualify the original mandatory wording. [E02,R01]

07 Cost accounting, budgets and analytical allocation

Cost reporting separates recorded actual movements, standard costs and analytical allocation. Planned activity or a distribution report does not automatically rewrite stock cost or create a journal. This distinction is essential before treating a margin as a fully absorbed production result.

Prerequisites. Maintain standard/BOM inputs, opening costs, source expense mappings, allocation drivers, activity measurements and cost-centre budgets with consistent units/currencies.

Key feature and use	Scope and evidence
Standard cost and variance Review standard/BOM-based costs, recorded cost inputs and variance/contribution analysis. Missing or ambiguous costs remain visible rather than being replaced by zero.	**Documented, bounded** Recorded, targeted 07-01 H06, H17, H25, J16, J03, E01, E08, R03
Additional purchase costs Allocate recorded additional purchase costs across supported remaining/sold/issued and production relationships; preserve totals and protected accounting sources.	**Documented** Recorded, targeted 07-02 H06, H17, H25, J16, J03, E01, E08, R03
Cost-centre budget and commitments Compare annual centre budgets with recorded expense and linked open purchasing commitments; show unlinked or inconsistent relationships separately.	**Documented, bounded** Source reviewed 07-03 H06, H17, H25, J16, J03, E01, E08, R03
Flexible budgets and overhead analysis Use recorded activity and fixed/variable definitions; distribute analytical costs using documented drivers while preserving totals and avoiding double counting.	**Documented, analytical** Source reviewed 07-04 H06, H17, H25, J16, J03, E01, E08, R03
Full manufacturing cost absorption Complete production-order labour/general-overhead scope and customer acceptance must be established separately. Existing analytical distributions do not prove that integration.	**Partial** Acceptance remains open 07-05 H06, H17, H25, J16, J03, E01, E08, R03
Budget scenarios, CAPEX and group finance Full scenario budgeting and CAPEX are incomplete. User-supplied intercompany packages support limited reciprocal elimination, not statutory group consolidation.	**Partial** Scope review required 07-06 H06, H17, H25, J16, J03, E01, E08, R03

Scope boundaries
Full labour and overhead allocation to production orders still needs scope acceptance. Full budget scenarios and CAPEX are not complete. Analytical intercompany elimination is not statutory consolidation; ownership/minority, unrealized stock profit and foreign-company translation are not provided.

Recorded evidence. Additional landed-cost allocation and source protection have targeted records. The wider production labour/overhead chain remains bounded in the 5 October in-progress acceptance. [E01,E08]

08 Cash, banking and financial planning

Cash and banking functions combine recorded payments, maturity records, statement imports and assumption-based planning. A forecast is a scenario, not a bank instruction or guaranteed liquidity outcome.

Prerequisites. Configure cash/bank accounts, statement profiles, matching rules, source invoice/open-item records and explicit forecast assumptions. Live bank services need authorized contracts and credentials.

Key feature and use	Scope and evidence
Payments, cash and instruments Record incoming/outgoing payments and cash transactions; manage supported cheque/note portfolio actions and their commercial relationships.	**Documented** Source and selected checks 08-01 H07, H08, H35, H28, E04, R03
Statement import and matching Import supported MT940, CSV/XLSX and bank-service records; score candidate matches and create supported receipts after user approval.	**Documented** Source reviewed 08-02 H07, H08, H35, H28, E04, R03
Cash forecast and scenarios Model a 13-week view from recorded open items, maturities and assumptions; compare saved snapshots with actuals without treating incomplete weeks as final variance.	**Documented, analytical** Source reviewed 08-03 H07, H08, H35, H28, E04, R03
Borrowing and financing views Review supported loan, overdraft, card/guarantee and financing-needs information. Suggestions depend on the recorded terms and assumptions.	**Documented, analytical** Source reviewed 08-04 H07, H08, H35, H28, E04, R03
Open-banking connections Turkish/Indonesian open-banking drivers are documented; authorized-provider credentials and real-account validation are required for customer deployment.	**Partial / external dependency** External acceptance pending 08-05 H07, H08, H35, H28, E04, R03
Payment files Salary-file generation uses company/bank templates. A general bulk supplier payment-order export is not completed scope.	**Partial** Bank template acceptance needed 08-06 H07, H08, H35, H28, E04, R03

Scope boundaries
Live-account bank acceptance is separate from driver implementation. Salary-file templates require bank validation; bulk supplier payment-order files remain planned. Treasury derivatives, hedge accounting and comprehensive institutional treasury are not claimed.

Recorded evidence. The current integration guide distinguishes file-based tools from live-account and contract-dependent services. No fresh external-bank test was performed for this scope document. [H28]

09 Sales, quotations and order fulfilment

The commercial process supports account engagement, quoting, orders, deliveries and invoices. Price, risk, stock availability and delivery evidence serve different purposes and should be reviewed before a commitment is made.

Prerequisites. Configure commercial permissions, prices, tax/account mappings, credit policies, warehouse access and supported document links.

Key feature and use	Scope and evidence
Opportunities and quote outcomes Record opportunities/funnel information and quotation outcomes; analyze won/lost reasons and supported account/product/salesperson dimensions.	**Documented** Source reviewed 09-01 H09, H10, H36, W02, W03, E08, E12, R03
Quote-to-invoice chain Create and link supported quotes, orders, delivery notes and invoices, including multiple goods receipts/deliveries behind one invoice detail.	**Documented** Recorded, targeted 09-02 H09, H10, H36, W02, W03, E08, E12, R03
Pricing and agreements Use supported price lists, tiers, campaign and blanket/call-off workflows. Validate effective dates and company business rules.	**Documented** Source reviewed 09-03 H09, H10, H36, W02, W03, E08, E12, R03
Credit and risk checks Use the configured exposure and approval gates before protected transactions. Credit decisions depend on recorded balances, instruments and open order exposure.	**Documented, configurable** Source and selected checks 09-04 H09, H10, H36, W02, W03, E08, E12, R03
Order promising and backorders Calculate supported availability/delivery views from data and planning rules, keeping unfulfilled demand visible.	**Documented, bounded** Source reviewed 09-05 H09, H10, H36, W02, W03, E08, E12, R03
Invoice lot safeguards Current source checks lot blocks and base-unit FEFO on affected order-invoice paths. Selected repeat behavior avoids duplicate lot consumption; crash/race atomicity is not a blanket guarantee.	**Documented, release-sensitive** Recorded, targeted 09-06 H09, H10, H36, W02, W03, E08, E12, R03

Scope boundaries
ATP/CTP and planning results depend on current stock, material and capacity inputs; they are not unconditional contractual promises. Later order-invoice lot fixes do not make all document/lot side effects one atomic database transaction.

Recorded evidence. The 5 October interim record contains targeted multi-delivery invoice detail, blocked-lot, base-unit/FEFO and repeat checks. The invoice query regression has eight targeted scenarios; these are not universal performance guarantees. [E08,E12]

10 Customer engagement, visits and portals

Customer engagement includes recorded visits, next actions, field workflows and customer self-service. These features support sales work without claiming complete route optimization or a full service-management platform.

Prerequisites. Provision authorized field/portal users and their account scope, browser permissions, supported document access and customer-facing policies.

Key feature and use	Scope and evidence
Field sales access Use supported phone/browser field screens for customer engagement and commercial actions within assigned permissions.	**Documented** Source and selected checks 10-01 H11, H12, H09, E05, E06, R03
Visit notes and next action Store visit notes plus next-step text/date together, with length, account, date and supported GPS validation.	**Documented, bounded** Recorded, targeted 10-02 H11, H12, H09, E05, E06, R03
Speech-assisted notes Where the browser supports and permits speech input, append recognized text to visit notes. On error, preserve the draft and keep manual entry available.	**Documented, browser-dependent** Controlled UI evidence 10-03 H11, H12, H09, E05, E06, R03
Customer self-service portal Provide supported customer document, statement and request access through a configured portal with scoped authorization.	**Documented** Source reviewed 10-04 H11, H12, H09, E05, E06, R03
Collection and commercial follow-up Use supported dunning, reminders, commissions and document-linked follow-up functions. Actual outbound delivery depends on its configured service.	**Documented, bounded** External delivery separate 10-05 H11, H12, H09, E05, E06, R03

Scope boundaries
The visit report is bounded to the latest 365 days and up to 300 records, with partial-result notices. Automatic route/frequency planning and reminder delivery are not completed by the visit-note feature. Browser speech support and permissions vary.

Recorded evidence. 4 October acceptance records cover visit field validation, company/user scope, selected native write/read and failure-preserving voice-note UI behavior. Real speech-provider end-to-end acceptance is not inferred. [E05,E06]

11 Sourcing and procurement

Purchasing joins requests, supplier offers, orders, receipts and invoice checks. Production-linked purchasing adds evidence links without duplicating physical stock receipt or replacing the purchasing workflow.

Prerequisites. Maintain suppliers, purchasing rights, item/base-unit data, prices/currency, matching tolerances, warehouse access and applicable quality policies.

Key feature and use	Scope and evidence
Requests, RFQs and offers Use purchase requests, supplier quotations and comparison, including supported supplier-quote portal entry.	**Documented** Source reviewed 11-01 H13, H32, H05, J18, J12, E02, E08, R03
Purchase orders and goods receipt Create purchasing documents and receive supported goods, with warehouse and quantity rules and links to subsequent invoice records.	**Documented** Recorded, targeted 11-02 H13, H32, H05, J18, J12, E02, E08, R03
Three-way matching Compare supported order/receipt/invoice relationships using configured tolerances; exceptions require review rather than invented balancing entries.	**Documented, configurable** Source reviewed 11-03 H13, H32, H05, J18, J12, E02, E08, R03
Invoice OCR Capture supported incoming invoice data using OCR-assisted workflows. Confirm recognized supplier, lines, currency and amounts before posting.	**Documented, assisted** Source reviewed 11-04 H13, H32, H05, J18, J12, E02, E08, R03
Production supply links Link actual purchasing lines, committed dates and accepted receipts to the production shortage; enforce item/supplier/warehouse/quantity scope and avoid duplicate receipt use.	**Documented** Recorded, targeted 11-05 H13, H32, H05, J18, J12, E02, E08, R03
Supplier performance and future logistics Review supplier-performance information. Inbound dock appointments/ASN and comprehensive import/container tracking remain planned additions.	**Partial** Planned portions not accepted 11-06 H13, H32, H05, J18, J12, E02, E08, R03

Scope boundaries
OCR output requires review; a recognized value is not an approved posting. Dock appointments/ASN and general import/container-file tracking are planned scope, not universally delivered functions. Provider connections require separate acceptance.

Recorded evidence. Production-linked purchasing and actual receipt/quality relationships have targeted PostgreSQL records. The later interim scenario includes two goods receipts invoiced together; it is not a final customer procurement certification. [E02,E08]

12 Inventory valuation, units and traceability

Inventory records stock quantity and value separately from commercial display units and analytical classifications. Lot and serial tracking improve traceability only where the relevant movement and production evidence is recorded.

Prerequisites. Set base units, conversion factors, product types, warehouse/lot policies and opening cost evidence. Enable tracking and maintain expiry/serial information where needed.

Key feature and use	Scope and evidence
Quantity and value records Maintain stock movements and balance/value views with source references. Interpret quantities in their recorded base unit and monetary results in the displayed currency.	**Documented** Source and selected checks 12-01 H03, H14, H21, J13, J03, E03, E08, R03
Lot, serial and expiry Track supported lots/serials and expiry, block relevant lots and apply supported FEFO selection. Tracking must be enabled and populated in the company.	**Documented, configurable** Recorded, targeted 12-02 H03, H14, H21, J13, J03, E03, E08, R03
Multi-unit conversions Use the shared conversion model for supported item/document workflows, preserving historical factors and avoiding a second conversion of base movement quantities.	**Documented** Recorded, targeted 12-03 H03, H14, H21, J13, J03, E03, E08, R03
Forward/backward trace Explore supported production/document lot relationships in bounded forward/backward trace and recall views; unresolved links remain evidence gaps.	**Documented, bounded** Source reviewed 12-04 H03, H14, H21, J13, J03, E03, E08, R03
Inventory analysis Use supported ABC/XYZ, movement, value, count-difference and cost-component analyses; read missing-source, unit and row-limit notices.	**Documented, analytical** Source reviewed 12-05 H03, H14, H21, J13, J03, E03, E08, R03

Scope boundaries
The close guide uses moving weighted average. Analytical FIFO/LIFO/ABC views must not be enlarged into a claim that every posting supports interchangeable valuation methods. Missing historical cost or trace links can leave a result incomplete.

Recorded evidence. Recorded targeted unit/BOM and production scenarios exist. Later quality-block and lot-consumption acceptance applies to specific corrected invoice paths. [E03,E08]

13 Warehousing, dispatch and return logistics

Warehouse operations move and count stock; dispatch prepares loads and records delivery evidence. Creating a transfer instruction is distinct from physically receiving the quantity and from a real customer delivery.

Prerequisites. Configure warehouses and locations, quarantine type, count/approval permissions, lot policies, packing standards and authorized dispatch/driver users.

Key feature and use	Scope and evidence
Warehouses and bin locations Use multiple warehouses and supported location/bin identifiers to organize stock and eligible movements.	**Documented** Source reviewed 13-01 H14, H15, H16, J09, E08, R03
Picking, packing and labels Use supported pick/pack/wave and QR/SSCC-related label/packing workflows, with item and warehouse configuration.	**Documented** Source reviewed 13-02 H14, H15, H16, J09, E08, R03
Counts and approvals Perform supported blind-count and four-eyes workflows with permission and difference review. Required approval policies depend on setup.	**Documented, configurable** Source reviewed 13-03 H14, H15, H16, J09, E08, R03
Stock transfers and receipt Distinguish issued, in-transit and delivered quantities. Current linked NCR stock actions require actual matching receipt rather than instruction creation alone.	**Documented, release-sensitive** Recorded, targeted 13-04 H14, H15, H16, J09, E08, R03
Dispatch and proof of delivery Use dispatch boards, load/packing records and supported driver/POD workflows. Track application status and OTIF from recorded evidence.	**Documented, bounded** Recorded, synthetic field evidence 13-05 H14, H15, H16, J09, E08, R03
Returns and freight scope Customer return requests and credit-note paths exist; complete RMA logistics/numbering and freight tariff allocation require separate scope confirmation.	**Partial** Scope review required 13-06 H14, H15, H16, J09, E08, R03

Scope boundaries
No full SAP EWM equivalence or warehouse-automation certification is claimed. A synthetic signature/POD proves the application path, not a physical delivery. Freight tariffs/cost allocation and complete RMA logistics remain partial/planned scope.

Recorded evidence. 5 October interim evidence records partial/full transfer gates for NCR closure and packing/loading/dispatch with synthetic POD. It is explicitly not field acceptance. [E08]

14 Production engineering: BOMs, routings and changes

Production definitions explain what is made, what is consumed and which resources are expected. Frozen order definitions and revision evidence distinguish a current recipe from the plan used for an existing order.

Prerequisites. Classify stock items, define a valid multilevel BOM, units, routes, machines/work centres and realistic operation/time data. Select production policies and applicable change/quality requirements.

Key feature and use	Scope and evidence
Multilevel BOM and routing Define component structures and routes, explode requirements and keep base-unit relationships. Production orders retain their relevant frozen definition evidence.	**Documented** Recorded, targeted 14-01 H17, H29, H31, H38, J03, E03, R01
Time and machine definitions Record unit-production seconds and operation/resource times where supported, including fractional duration display and linked machines.	**Documented, release-sensitive** Recorded, targeted 14-02 H17, H29, H31, H38, J03, E03, R01
Engineering changes and revisions Use supported ECN/revision workflows and release gates where configured; retain the recipe evidence applicable to an order.	**Documented, configurable** Source reviewed 14-03 H17, H29, H31, H38, J03, E03, R01
Variants and configuration Use supported variant/configuration definitions and differences. Validate the effective BOM/routing before planning or confirmation.	**Documented, bounded** Source reviewed 14-04 H17, H29, H31, H38, J03, E03, R01
2D and 3D BOM views Explore schematic trees and interactive 3D relationships, including search/focus/navigation and available item images. These are product UI functions, not live machine simulations.	**Documented** Recorded, targeted 14-05 H17, H29, H31, H38, J03, E03, R01

Scope boundaries
A schematic workload visualization is not a net material requirement or an APS completion date. Incomplete, cyclic or limited trees do not justify exact totals. Existing orders retain their recorded policy/definition behavior rather than silently adopting a new sector template.

Recorded evidence. 1 October targeted PostgreSQL and 360/412/1024 px checks cover BOM timing/visualization and related protected paths. These checks do not establish all manufacturing functions or physical equipment links. [E03]

15 Material planning and saved daily capacity plans

Material planning nets demand against eligible supply and stock. The saved daily capacity workflow links open orders, calendars, shortages and procurement commitments while keeping forecast, reservation and actual output distinct.

Prerequisites. Use current open orders, valid routes, machine/day capacity, stock eligibility, existing reservations and credible purchasing/receipt dates.

Key feature and use	Scope and evidence
MRP and MPS views Use supported multilevel requirement netting, supply/demand views and production/procurement suggestions. Read shortage and incomplete-definition results explicitly.	**Documented, bounded** Source and selected checks 15-01 H05, H17, J03, J11, J12, E02, R01
Shared material allocation Within the saved plan, allocate shared stock once across eligible orders; distinguish existing reservations, quarantine and blocked/awaiting-quality quantities.	**Documented** Recorded, targeted 15-02 H05, H17, J03, J11, J12, E02, R01
Child and parent planning Schedule child orders before dependent parent orders and propagate relevant shortage/delay results without inventing missing routes or delivery dates.	**Documented** Recorded, targeted 15-03 H05, H17, J03, J11, J12, E02, R01
Saved capacity and stock plan Reserve daily machine capacity and material together using current source stamps; reject stale previews and protect allocations from unrelated consumption.	**Documented** Recorded, targeted 15-04 H05, H17, J03, J11, J12, E02, R01
Procurement-driven recalculation Changes to linked supply commitment or accepted receipt can refresh saved planning; recalculate after other calendar/machine/order changes.	**Documented** Recorded, targeted 15-05 H05, H17, J03, J11, J12, E02, R01

Scope boundaries
The daily workflow uses daily buckets over a two-year horizon; subsequent operations start on the following day rather than assuming proven intraday sequencing. Other order/calendar changes require recalculation. A planned date does not amend a contractual customer promise.

Recorded evidence. Recorded 24 September tests cover shared-stock allocation, stale previews, child/parent delay and linked receipt/timing changes. They are separate from APS minute-level scheduling. [E02]

16 APS, work centres and scheduling

APS provides scenario-based, detailed resource scheduling and Gantt views. It complements rather than replaces the daily saved planning workflow. A scenario must be approved/saved through the relevant process before it represents an official schedule.

Prerequisites. Maintain machines, shifts/calendars, route setup/run times, alternative resources, work-centre capacities and supported operator/mould constraints.

Key feature and use	Scope and evidence
Scheduling scenarios Create and compare supported scenarios before approval, keeping an experimental plan separate from the official schedule.	**Documented** Source and selected checks 16-01 H18, H31, J05, J11, E08, R01
Minute-level Gantt Display supported detailed machine/resource slots with operation and setup-time inputs; inspect conflicts and dates using the available schedule views.	**Documented, bounded** Recorded, selective UI 16-02 H18, H31, J05, J11, E08, R01
Calendars and downtime Use working calendars and supported maintenance/downtime windows as scheduling inputs. Recalculate after relevant changes.	**Documented** Source reviewed 16-03 H18, H31, J05, J11, E08, R01
Work centres and alternative resources Configure work centres, resource membership, alternatives and supported operator/mould constraints within the applicable policy.	**Documented, configurable** Source reviewed 16-04 H18, H31, J05, J11, E08, R01
Official plan and dispatch to work Approve/save supported schedule state for downstream job views. Actual capacity/material and shop-floor performance still require operational validation.	**Documented, bounded** Recorded, targeted 16-05 H18, H31, J05, J11, E08, R01

Scope boundaries
No full PP/DS optimizer equivalence is claimed. Missing supply/resource data can prevent a firm result. Approved-plan, customer-specific operator/labour and complete scheduling acceptance must be tied to the chosen release and scenario.

Recorded evidence. The current interim 5 October record includes an approved APS schedule viewed in the real UI. The larger review remains in progress and does not certify all constraint combinations. [E08]

17 Production execution, confirmations and MES

Production execution turns supported confirmations into actual component consumption and product receipt. MES supplies station/operator interactions, downtime, Andon and OEE views; its browser terminal is different from a commissioned physical factory terminal.

Prerequisites. Configure station credentials, machine links, HR/operator accounts, production permissions, component stock, units and applicable confirmation gates.

Key feature and use	Scope and evidence
Production orders and requests Create supported production requests/orders, direct production and child-order workflows with recorded components, routes, priorities and policy.	**Documented** Source and selected checks 17-01 H17, H19, H37, J04, J06, W01, E07, E08, R01
Confirmation and control preview Preview applicable gates before supported confirmation. Accepted confirmations receive good output and consume eligible components within the implemented business path.	**Documented, configurable** Recorded, targeted 17-02 H17, H19, H37, J04, J06, W01, E07, E08, R01
Reversal and lot evidence Reversal considers the affected confirmation's own lot and relevant stock/cost safeguards. A consumed or ambiguous output is not assumed freely reversible.	**Documented, release-sensitive** Recorded, targeted 17-03 H17, H19, H37, J04, J06, W01, E07, E08, R01
MES station and operator sessions Configure a station/token, sign in through the permitted account and identify the operator through the supported HR/PIN workflow. Replace tokens and manage session authority.	**Documented** Source reviewed 17-04 H17, H19, H37, J04, J06, W01, E07, E08, R01
Downtime, Andon, OEE and handover Record start/pause/resume/finish, reason codes, supported Andon calls and shift handover; calculate views from recorded running, loss and quantity evidence.	**Documented, data-dependent** Source and selected checks 17-05 H17, H19, H37, J04, J06, W01, E07, E08, R01
Physical device connection Simulator/program interfaces are not actual PLC, sensor or touch-terminal acceptance. Commission and verify real protocols, timing and safety separately.	**External / unaccepted** Physical acceptance open 17-06 H17, H19, H37, J04, J06, W01, E07, E08, R01

Scope boundaries
No physical PLC, machine or operator-terminal hardware acceptance is available. General completion of every normal operation in strict sequence is not universally enforced. Rollback gates, cost and lot evidence remain part of confirmation safety.

Recorded evidence. 5 October targeted records cover confirmation reversal, mixed-unit scrap and fractional duration corrections. Later interim evidence includes three actual application confirmations and component balances. Physical output and device connectivity remain untested. [E07,E08]

18 Quality, nonconformance and traceability

Quality functions retain measurement, certificate, change and approval evidence relevant to release decisions. Incoming inspection and quarantine support material control; NCR actions must distinguish administrative instructions from completed physical/application movements.

Prerequisites. Select the relevant industry features and quality policies, configure approvers, lots/quarantine, inspection plans, measurements, certificate evidence and supported source links.

Key feature and use	Scope and evidence
IQC and quarantine Record supported incoming inspection results, warehouse/quarantine eligibility and acceptance links. Required quality acceptance is an explicit configurable policy.	**Documented, configurable** Recorded, targeted 18-01 H20, H21, H33, H29, J14, J09, E08, E09, R01
NCR and corrective action Record nonconformance, actions and relevant source evidence. Current affected stock actions remain pending until matching physical/application receipt conditions are satisfied.	**Documented, release-sensitive** Recorded, targeted 18-02 H20, H21, H33, H29, J14, J09, E08, E09, R01
Control plans and advanced quality Supported control-plan, FMEA/MSA, PPAP/APQP and related sector workflows retain structured evidence where enabled; validate scope and customer requirements.	**Documented, sector-dependent** Source reviewed 18-03 H20, H21, H33, H29, J14, J09, E08, E09, R01
First article and certificates Use supported FAI/certificate records and release gates. Customer approval, certificate authenticity and applicable standards require independent validation.	**Documented, sector-dependent** Source reviewed 18-04 H20, H21, H33, H29, J14, J09, E08, E09, R01
Measurement imports and environment Use supported measurement import and environmental/clean-room records, including administrator-maintained limits and source references. Limit entry is not standard certification.	**Documented, bounded** Targeted form evidence 18-05 H20, H21, H33, H29, J14, J09, E08, E09, R01
Trace and recall review Trace eligible lots forward/backward and review affected documents/products; bounded recall simulation is not proof that every historic lot is fully linked.	**Documented, bounded** Source reviewed 18-06 H20, H21, H33, H29, J14, J09, E08, E09, R01

Scope boundaries
Industry gates are policy-dependent; not every template is active by default. PPAP, AS9102, EN 10204, Q-DAS or clean-room fields do not themselves certify compliance with an industry standard. No real physical inspection or rework acceptance is inferred from synthetic measurements.

Recorded evidence. Current source fixes require actual matching transfer receipt before affected NCR stock actions close. Selected partial/full receipt and closure gates have recorded 5 October HTTP/database evidence. [E08]

19 Asset maintenance and reliability

Maintenance organizes technical assets, preventive plans, breakdowns, spare parts and reliability information. A maintenance asset is not a financial fixed-asset register; accounting depreciation remains separate planned scope.

Prerequisites. Maintain assets and linked machines/moulds/vehicles/devices, locations, responsible technicians, counters, plans/checklists and spare-part identifiers.

Key feature and use	Scope and evidence
Technical asset records Maintain machines, moulds, equipment, vehicles and measuring devices with location, ownership of work, criticality and relevant service dates.	**Documented** Source reviewed 19-01 H22, H19, H18, J07, R03
Preventive maintenance Define calendar, running-hour, cycle or kilometre intervals, checklists, required parts and optional scheduling windows; review due/overdue plans.	**Documented, configurable** Source reviewed 19-02 H22, H19, H18, J07, R03
Breakdown and work orders Open and execute supported maintenance jobs, record downtime and work completion and use the configured parts/work evidence.	**Documented** Source reviewed 19-03 H22, H19, H18, J07, R03
Counters and parts Record meter/counter values and spare-part consumption through supported maintenance/warehouse relationships.	**Documented, data-dependent** Source reviewed 19-04 H22, H19, H18, J07, R03
Reliability and cost views Review supported MTBF, MTTR, availability, breakdown Pareto and maintenance-cost information from recorded history and explicit assumptions.	**Documented, analytical** Source reviewed 19-05 H22, H19, H18, J07, R03

Scope boundaries
MTBF/MTTR and availability depend on recorded running-time/counter assumptions and complete breakdown history. A planned APS maintenance window is not an OEE loss. Predictive sensor-based maintenance or an enterprise asset platform is not automatically included.

Recorded evidence. The current product guide and source provide the maintenance workflow. No fresh physical-maintenance or full reliability acceptance was run for this document.

20 Personnel, payroll and employee self-service

Personnel and time records feed supported payroll and HR analysis. Local legislation calculations use country concepts and configured parameters; informational reporting is different from an official payroll deduction or government submission.

Prerequisites. Provision personnel roles, employment periods, payroll/account mappings, attendance/shift data, portal users and accountant-confirmed country parameters.

Key feature and use	Scope and evidence
Personnel records and access Maintain employment/personnel information with role-controlled sensitive fields and active/departed employee selection where the workflow supports it.	**Documented** Recorded, targeted 20-01 H23, H24, J08, E09, E10, R01, R03
Payroll and personnel payments Use supported payroll, earnings/deductions and salary-file preparation with country and bank mappings. Reconcile with the company's official payroll process.	**Documented, localization-dependent** Source and selected checks 20-02 H23, H24, J08, E09, E10, R01, R03
Attendance, shifts and leave Record time/attendance and supported phone clock-in, shift and leave approval workflows; eligibility and calculations depend on actual personnel data.	**Documented** Source reviewed 20-03 H23, H24, J08, E09, E10, R01, R03
Legislation reports Calculate supported Turkey/Indonesia informational contribution/tax/THR/entitlement reports from explicit parameters and confirmation flags; do not assume automated statutory deductions/submissions.	**Documented, informational** Local acceptance required 20-04 H23, H24, J08, E09, E10, R01, R03
Social-management forms Maintain supported transport routes/stops/assignments, meals and union membership. Current source adds controlled selection, limits, approvals and accessible forms.	**Documented, release-sensitive** Recorded, targeted 20-05 H23, H24, J08, E09, E10, R01, R03
HR indicators and future scope Review turnover, absence, overtime and labour/revenue indicators from available data. Recruitment and broader training/shift-planner scope are not completed by these reports.	**Partial** Planned portions not accepted 20-06 H23, H24, J08, E09, E10, R01, R03

Scope boundaries
Payroll/localization requires local professional review. The separate legislation window reports contributions/tax information without automatically writing deductions into payroll. Recruitment, comprehensive training and expanded shift planning remain planned scope. Language resolution is not native-speaker approval.

Recorded evidence. Recorded 5 October targeted social-management forms and personnel search/page checks exist; later UI closure is qualified by R01. New HR read operations were not automatically present in older running Java/native packages. [E09,R01]

21 Projects, tasks and service-related boundaries

Projects group existing documents and costs for job profitability and budget/commitment views. They do not create an independent project ledger or a full project scheduling and service-SLA platform.

Prerequisites. Define projects, customer/owner, dates, cost centres and supported document links. Confirm how materials, labour, subcontracting and expense evidence are mapped.

Key feature and use	Scope and evidence
Project records and document links Maintain project identity and supported quote/order/delivery/invoice links; use controlled bulk linking and project fields where applicable.	**Documented** Source reviewed 21-01 H25, H22, H30, R03, R04
Job profitability Analyze supported sales, material, labour, subcontracting, freight and expense contributions with document drill-down and double-counting rules.	**Documented, mapping-dependent** Source reviewed 21-02 H25, H22, H30, R03, R04
Budget and commitment Compare project budget with actual linked documents and open-order commitments; keep the meaning of unbilled commitments distinct from posted cost.	**Documented, analytical** Source reviewed 21-03 H25, H22, H30, R03, R04
Tasks, calendars and expiry dates Use document-linked tasks and company calendar/date tracking for relevant contracts, insurance, inspections or equipment records.	**Documented** Source reviewed 21-04 H25, H22, H30, R03, R04
Project scheduling and service SLA Complete project phase/Gantt scheduling and service-call/ticket SLA management are outside the delivered scope described here.	**Not provided** No delivered acceptance 21-05 H25, H22, H30, R03, R04

Scope boundaries
Project phases and project Gantt are not provided scope. Full service calls/tickets and SLA management are not provided. A document timeline or maintenance work order must not be relabelled as either capability.

Recorded evidence. Project behavior is supported by the current guide and feature inventory. No fresh project-wide customer acceptance was performed for this document.

22 Reporting, analytics and document output

Reporting draws on company, account, item and operational records. The scope is defined by actual reports and data sources, not by the number of screenshots on the marketing site. Missing information, limits, filters and permissions remain part of the result.

Prerequisites. Define source mappings, report/cost/personnel access, fiscal/calendar periods and required analytical records before distributing management information.

Key feature and use	Scope and evidence
Operational reports and drill-down Use supported company/account/item reports and linked rows to open eligible source records, subject to the user's access and applicable limits.	**Documented** Source and selected checks 22-01 H26, H27, H06, H34, W04, W05, E05, E10, R03
Analysis Studio Build supported pivots/cubes, targets and dashboard views from available datasets. Validate filter scope and measure/currency definitions.	**Documented, bounded** Source reviewed 22-02 H26, H27, H06, H34, W04, W05, E05, E10, R03
Owner dashboard and alerts Review supported dashboard/TV, anomaly/findings and summary views from recorded data. Outbound summaries depend on the configured delivery service.	**Documented, data-dependent** Source reviewed 22-03 H26, H27, H06, H34, W04, W05, E05, E10, R03
Monthly management pack Select a full calendar month with previous-month/prior-year comparison and mapped income, EBITDA, cash, working-capital and budget views. Missing mapped sections prevent incomplete distribution.	**Documented, bounded** Recorded, targeted 22-04 H26, H27, H06, H34, W04, W05, E05, E10, R03
Exports and document design Use supported Excel/CSV/PDF exports and document template design. Free-form report design is not claimed as equivalent to every enterprise report platform.	**Partial / document tools available** Recorded for selected PDFs 22-05 H26, H27, H06, H34, W04, W05, E05, E10, R03
Monthly report distribution Save authorized local plans, prevent duplicate delivery, and resolve ambiguous SMTP outcomes explicitly. Automatic sending is opt-in and needs a configured service.	**Documented, external dependency** Injected delivery tests; no live recipients 22-06 H26, H27, H06, H34, W04, W05, E05, E10, R03

Scope boundaries
The marketing gallery contains report and screen examples, not a count of unique report features. Free-form business reporting is partial; Analysis Studio and document design are different capabilities. Some event lists do not support prior-period comparisons.

Recorded evidence. 4 October records include monthly report TR/ID database scenarios, protected delivery/PDF gates and rendered report output. Report access remains server-scoped; this is not full acceptance of every report.

23 Data migration, integrity checks and controlled repair

Migration and integrity functions review the relationship between source and target evidence. An import result describes that import's recorded snapshot; it is not a permanent guarantee that current data has remained identical.

Prerequisites. Preserve the original source, agree selected tables/entities, prepare target mappings/permissions and plan trial imports with reconciliation before adoption.

Key feature and use	Scope and evidence
Legacy database import Use supported legacy Firebird import paths and company/table scope, preserving source identity and reported differences. Other products/formats need a mapping assessment.	**Documented, bounded** Recorded, targeted 23-01 H01, H30, J15, W06, E04, E05, R01
Import reconciliation output Open PDF/print output of a completed, company-authorized import from its recorded result; show snapshot, scope and differences rather than inventing an all-clear result.	**Documented** Recorded, targeted 23-02 H01, H30, J15, W06, E04, E05, R01
Data integrity checks Review supported document, account, stock and source relationships; separate genuine differences, informational findings and uncheckable evidence.	**Documented** Recorded, targeted 23-03 H01, H30, J15, W06, E04, E05, R01
Controlled repair Preview eligible repairs, apply administrator authorization and keep operation evidence. A check does not automatically change company data.	**Documented, controlled** Recorded, targeted 23-04 H01, H30, J15, W06, E04, E05, R01
Migration service commitment Design trial migration, cutover, parallel operation and rollback arrangements for the customer. These services are not universally included or completed by product import tools.	**Project-specific** Customer acceptance needed 23-05 H01, H30, J15, W06, E04, E05, R01

Scope boundaries
No universal migration from every ERP/file format is promised. A 30-day transition service, parallel operations and rollback service are not completed by a reconciliation PDF. Repairs require explicit preview/authorization and must not be inferred from an audit result.

Recorded evidence. 1 October records qualify selected-table native reconciliation and controlled repair. 4 October output checks cover authorized completed-import PDF/print, empty/noncompleted/foreign-company refusal and preserved scope. [E04,E05]

24 External integration and country-specific output

Integration status is deliberately different from an internal feature. File exchange, a driver implemented to specification, a contract-dependent adapter and a live accepted account must not share one unconditional supported label.

Prerequisites. Obtain provider documentation/contracts, test accounts/credentials, required network access and company-specific data mappings. Validate actual external acknowledgements.

Key feature and use	Scope and evidence
REST/API access Use the existing company/user-authorized HTTP/API and business-engine operations. Counts and endpoint presence do not certify all workflows; comprehensive OpenAPI publication is planned.	**Documented, bounded** Source and selected checks 24-01 H28, H24, H16, H12, E05, E11, R03
Bank and marketplace drivers Some drivers are implemented to specification with internal checks; live bank/marketplace account validation and provider contracts remain separate deployment gates.	**Partial / external dependency** Live-account acceptance pending 24-02 H28, H24, H16, H12, E05, E11, R03
Messaging, email and carrier services Use configured supporting services and documented file/link/label workflows. Provider connectivity, authentication and real delivery require separate acceptance.	**Documented, provider-dependent** External acceptance separate 24-03 H28, H24, H16, H12, E05, E11, R03
Turkey electronic documents UBL and related groundwork exist; live e-invoice integrator documentation, agreement and credentials are required before production submission can be accepted.	**Partial / contract dependency** Live integrator acceptance pending 24-04 H28, H24, H16, H12, E05, E11, R03
Indonesia electronic files Supported Coretax/e-Faktur/e-Bupot/SPT-related file tools and HR reports require valid parameters, local review and current government/provider requirements.	**Documented, localization-dependent** Official submission not certified 24-05 H28, H24, H16, H12, E05, E11, R03
EDI, webhooks and event scope Automotive EDI-related structured workflows exist where configured. General webhooks/event-notification capability is planned and not asserted as a completed universal integration bus.	**Partial** Planned portions not accepted 24-06 H28, H24, H16, H12, E05, E11, R03

Scope boundaries
Turkey e-invoice live submission remains dependent on an integrator agreement. Country parameters/templates require local validation. Generated XML/text is not automatically a compliant live submission. Credentials and customer licence keys are excluded from this document.

Recorded evidence. The integration guide states provider-level implementation boundaries. This document ran no external submission, real bank/marketplace login, live SMTP delivery or physical connector test.

25 Industry templates and engineering extensions

Industry templates select policies and specialized records on top of shared ERP/manufacturing functions. Choosing a template is not independent accreditation, a standard-compliant customer installation or acceptance of every specialized adapter.

Prerequisites. Select a relevant template and enable only required features. Maintain customer-specific quality/engineering sources, approvers and actual measurement/production evidence.

Key feature and use	Scope and evidence
Textile workflows Supported colour/size, fabric inspection and selected unit/manufacturing extensions depend on the active profile and company definitions.	**Documented, sector-dependent** Source reviewed 25-01 H29, H20, H33, H38, H31, E07, E08, R01, R02
Automotive quality/engineering Use configured advanced quality, control-plan/PPAP and related structured records. Customer-required approval and external exchange formats require validation.	**Documented, sector-dependent** Source and selected checks 25-02 H29, H20, H33, H38, H31, E07, E08, R01, R02
Defence and certificates Use supported first-article/certificate, confidentiality and selected engineering/measurement records where enabled; accreditation and export controls require independent assessment.	**Documented, sector-dependent** Source reviewed 25-03 H29, H20, H33, H38, H31, E07, E08, R01, R02
Environment and clean-room records Store supported readings, source-defined limits and related analysis; administrator source attribution and validated measurement methods are required.	**Documented, configurable** Selected form acceptance 25-04 H29, H20, H33, H38, H31, E07, E08, R01, R02
Scope outside the templates Industry-specific insurance, utilities, mining, institutional treasury and a comprehensive enterprise product-lifecycle platform are not established by the reviewed HNROS template scope.	**Not established** No claim of delivered coverage 25-05 H29, H20, H33, H38, H31, E07, E08, R01, R02

Scope boundaries
Industry features are gated and can be off by default. Automotive, defence, textile and environmental features do not certify IATF, AS9100, ISO clean-room classes, official filings or real machine interfaces. Outputs without an official schema remain templates.

Recorded evidence. Current help/source records provide the template and data workflows. The 5 October rubber example is synthetic and remains distinct from physical production and certification. [E07,E08]

26 Release and acceptance evidence

Evidence is dated and environment-specific. Successful checks from an earlier candidate do not automatically transfer to a newer source tree, native binary, provider account or installed package.

23-24 September: corporate ledger, close and planning

Selected ledger/approval/source, additional-cost and saved capacity/linked-procurement checks are recorded. Later optional policies qualify earlier mandatory wording.

Evidence: E01, E02, R01

1 October: production and native candidate

Targeted BOM/production/database/browser records and a native candidate exist. The native review classified 1,278 functional checks and one negative check in a specific 1,298-operation audit, with 19 host/external/adapter boundaries. It did not re-accept every one of the 2,170 catalogued operations.

Evidence: E03, E04

4 October: report features and rc3 package

Monthly report, visit and completed-import output changes have targeted records. rc3 integrity/cold-start and selected native visit checks passed; clean Windows, digital signature and broad packaged customer workflows remain open.

Evidence: E05, E06

5 October: form and production corrections

Targeted social forms, confirmation reversal, mixed-unit scrap and fractional-time fixes are recorded. Their source/API/UI changes are not automatically included in older binaries or running services.

Evidence: E07, E09, R01

5 October: extended workflow review

Interim HTTP/database/UI evidence covers multi-delivery invoice detail, actual NCR transfer receipt, lot blocks/FEFO and synthetic dispatch/POD. The source record still says work in progress; this document does not turn it into final customer acceptance.

Evidence: E08, E12

5 October: perpetual seat entitlement

Targeted licensing-service implementation and signed-document renewal/revocation records exist. The seat entitlement is perpetual; signed licence documents require periodic online renewal.

Evidence: E11

Installation and field boundaries

Clean Windows and signatures

A native Windows x64 delivery candidate and package integrity records exist. Clean-machine setup/UAC/reboot, signed engine/installer, online installer/update and complete customer installation acceptance are not implied by package hashes or a cold start.

JVM, native and web/API alignment

Source changes after rc3 are release-sensitive. A current Java/API/web function can differ from an older native candidate. Match all required layers and the selected company schema before relying on new operations.

Physical shop floor

No physical PLC, test machine or operator-terminal hardware was available in the reviewed 5 October work. Simulation, source APIs and browser screens cannot substitute for physical communication, signal mapping, timing and operational validation.

Real provider accounts

Bank/marketplace implementations, electronic-document templates and SMTP control logic require separately accepted real accounts, contracts and acknowledgements. Injected tests and synthetic POD do not prove external delivery.

Operational backup and restore

Backup/package integrity and selected historical restore checks are evidence for their recorded workflow only. The customer must choose scheduling, storage, credentials, retention and test recovery for the actual environment.

Acceptance records are selective
The recorded scenario counts are reported to explain their scope. They are not a total HNROS feature count, a benchmark of customer productivity, or proof that all application forms are fully accepted.

27 Material scope limits and customer decisions

The following boundaries deserve explicit commercial and operational decisions. They are also stated in the relevant feature chapters so that a reader does not confuse a documented subset with a complete enterprise capability.

Statutory group consolidation

Not provided as a complete statutory consolidation solution. Limited user-supplied analytical reciprocal elimination is not ownership/minority accounting, unrealized profit elimination or foreign-company translation.

Relevant sections: 07

Fixed assets and depreciation

The complete fixed-asset/depreciation module is planned. Reading mapped depreciation expense for EBITDA is a separate reporting capability.

Relevant sections: 05

Full planning, CAPEX and cost absorption

Full budget scenarios/CAPEX and complete production-order labour/overhead acceptance are not complete scope. Existing analytical allocation and material/standard costs must retain their stated boundaries.

Relevant sections: 07

Project scheduling and service SLA

Complete project phases/Gantt and service-call/ticket SLA management are not provided by project profitability, calendars or maintenance orders.

Relevant sections: 21

External accounts and electronic submission

Real bank/marketplace accounts, Turkey e-invoice integrator contracts, provider acknowledgements and local parameter validation remain customer-specific gates.

Relevant sections: 08, 24

Advanced logistics and integration

Full freight tariff allocation, inbound dock/ASN/container tracking and universal webhooks/event bus are not completed by the delivered warehouse/dispatch/API features.

Relevant sections: 11, 13, 24

Customer installation and physical devices

Clean Windows/signature/full package acceptance and physical PLC/machine/terminal commissioning remain distinct from source, native candidate and browser evidence.

Relevant sections: 02, 17, 26

Localization and translation

Interface/help language support and technical render checks are not native-speaker review or legal certification. Country rules, rates, templates and filings require current professional validation.

Relevant sections: 20, 24

Planning an agreed implementation

Select the chapters relevant to the business, identify the required feature IDs and choose acceptance evidence proportional to the decisions that depend on them. A source-only row can be valid product functionality while still requiring a customer test before go-live.

- Record the intended business outcome, user roles and data scope for each required workflow.

- Confirm the supported subset, optional policy state and known result limits.

- Resolve planned features through an explicit future scope decision; do not assume a delivery date.

- Record the exact package/database/provider configuration used for acceptance.

- Separate data quality/mapping gaps from implementation defects and environmental limitations.

- Agree installation, recovery, training, support and provider responsibilities without inventing response-time or cost-saving promises.

HNROS does not receive SAP feature, industry or compatibility-pack entitlement merely because this document follows a similar business-domain structure. No comparative price, implementation-time or productivity estimate is supplied.

28 Public references and source identifiers

Identifiers used in the feature tables connect statements to the reviewed product help, source and dated acceptance record. These identifiers are traceability references, not public certifications. Exact local source paths, review fingerprints and row-level mappings are supplied separately to the owner in the source-scope matrix.

Public product/help entry points: https://hnros.com and https://hnros.com/yardim/. Product help may be revised after this document.

Structural reference: SAP S/4HANA Cloud Private Edition 2025 - official Feature Scope Description, version 2.3 / 31 July 2026; 746 pages. The reference is used for organization only.

Product help

H01 - First-day setup
Current product guide; interpreted with newer release and acceptance notes.

H02 - Audit and security
Current product guide; interpreted with newer release and acceptance notes.

H03 - Stock cards and units
Current product guide; interpreted with newer release and acceptance notes.

H04 - Accounting
Current product guide; interpreted with newer release and acceptance notes.

H05 - Period close and linked planning
Current product guide; interpreted with newer release and acceptance notes.

H06 - Advanced financial reports
Current product guide; interpreted with newer release and acceptance notes.

H07 - Cash simulation
Current product guide; interpreted with newer release and acceptance notes.

H08 - Finance
Current product guide; interpreted with newer release and acceptance notes.

H09 - Sales and CRM
Current product guide; interpreted with newer release and acceptance notes.

H10 - Commercial document chain
Current product guide; interpreted with newer release and acceptance notes.

H11 - Field sales
Current product guide; interpreted with newer release and acceptance notes.

H12 - Customer portal
Current product guide; interpreted with newer release and acceptance notes.

H13 - Purchasing
Current product guide; interpreted with newer release and acceptance notes.

H14 - Inventory and warehouse
Current product guide; interpreted with newer release and acceptance notes.

H15 - Warehouse operations
Current product guide; interpreted with newer release and acceptance notes.

H16 - Dispatch and logistics
Current product guide; interpreted with newer release and acceptance notes.

H17 - Production
Current product guide; interpreted with newer release and acceptance notes.

H18 - APS scheduling
Current product guide; interpreted with newer release and acceptance notes.

H19 - MES and operator terminal
Current product guide; interpreted with newer release and acceptance notes.

H20 - Quality
Current product guide; interpreted with newer release and acceptance notes.

H21 - Traceability and recall
Current product guide; interpreted with newer release and acceptance notes.

H22 - Maintenance
Current product guide; interpreted with newer release and acceptance notes.

H23 - Human resources
Current product guide; interpreted with newer release and acceptance notes.

H24 - Payroll parameters
Current product guide; interpreted with newer release and acceptance notes.

H25 - Project profitability
Current product guide; interpreted with newer release and acceptance notes.

H26 - Reporting
Current product guide; interpreted with newer release and acceptance notes.

H27 - Analysis Studio
Current product guide; interpreted with newer release and acceptance notes.

H28 - Integration catalogue
Current product guide; interpreted with newer release and acceptance notes.

H29 - Production preferences
Current product guide; interpreted with newer release and acceptance notes.

H30 - Corporate processes
Current product guide; interpreted with newer release and acceptance notes.

H31 - Work centres
Current product guide; interpreted with newer release and acceptance notes.

H32 - Incoming invoice OCR
Current product guide; interpreted with newer release and acceptance notes.

H33 - Environment and clean-room measurements
Current product guide; interpreted with newer release and acceptance notes.

H34 - Document design
Current product guide; interpreted with newer release and acceptance notes.

H35 - Receivables and collections
Current product guide; interpreted with newer release and acceptance notes.

H36 - Customer accounts
Current product guide; interpreted with newer release and acceptance notes.

H37 - Stuck work and due dates
Current product guide; interpreted with newer release and acceptance notes.

H38 - Engineering changes
Current product guide; interpreted with newer release and acceptance notes.

Implementation references

J01 - Database adapter selection
Implementation evidence; not a release-wide acceptance certificate.

J02 - Corporate financial ledger
Implementation evidence; not a release-wide acceptance certificate.

J03 - BOM and material requirements
Implementation evidence; not a release-wide acceptance certificate.

J04 - Production orders and confirmations
Implementation evidence; not a release-wide acceptance certificate.

J05 - APS
Implementation evidence; not a release-wide acceptance certificate.

J06 - MES
Implementation evidence; not a release-wide acceptance certificate.

J07 - Maintenance
Implementation evidence; not a release-wide acceptance certificate.

J08 - Personnel
Implementation evidence; not a release-wide acceptance certificate.

J09 - Warehouse transfer
Implementation evidence; not a release-wide acceptance certificate.

J10 - Period close
Implementation evidence; not a release-wide acceptance certificate.

J11 - Daily capacity plan
Implementation evidence; not a release-wide acceptance certificate.

J12 - Production-linked purchasing
Implementation evidence; not a release-wide acceptance certificate.

J13 - Inventory unit conversion
Implementation evidence; not a release-wide acceptance certificate.

J14 - Corporate and quality gates
Implementation evidence; not a release-wide acceptance certificate.

J15 - Data integrity repair
Implementation evidence; not a release-wide acceptance certificate.

J16 - Standard costs
Implementation evidence; not a release-wide acceptance certificate.

J17 - Accounting operations
Implementation evidence; not a release-wide acceptance certificate.

J18 - Purchasing
Implementation evidence; not a release-wide acceptance certificate.

HTTP/API implementation references

W01 - Production HTTP routes
Production reads, writes, dry-run gates and report paths.

W02 - Invoice detail reads
Current multi-delivery invoice detail and source selection.

W03 - Commercial writes and lot checks
Order invoicing, lot gate, FEFO/base-unit handling and repeats.

W04 - Monthly management report
Calendar-month, financial mapping and comparison report.

W05 - Monthly distribution
Delivery plan, lock, duplicate protection and ambiguous SMTP handling.

W06 - Completed-import reconciliation output
Company-scoped completed import PDF/print output.

Acceptance and release records

E01 - Corporate financial and operational controls
Targeted financial gates, additional-cost allocation, backup/restore and source protection; notes include initial scope boundaries.

E02 - Saved planning and linked procurement
28 targeted Java/database scenarios and nine controlled-browser checks; quality and closing preferences were subsequently made optional.

E03 - Production receipt/BOM acceptance
Targeted PostgreSQL and responsive-browser production/BOM acceptance; not physical-device acceptance.

E04 - Native final acceptance
1 October candidate-specific native checks and 19 recorded environment/external boundaries; not all API endpoints or later releases.

E05 - Reports, visits and import reconciliation
Targeted TR/ID database, report/PDF and delivery-gate checks. Live recipients zero; wider visits/migration services remain partial.

E06 - 4 October native delivery candidate
rc3 package/hash, cold start and three visit scenarios; clean Windows/signature/full customer installation open.

E07 - 5 October production-manager review
Targeted confirmation reversal, mixed-unit scrap and fractional operation time fixes; source release boundaries apply.

E08 - 5 October extended production review
Interim HTTP/database/UI evidence for invoice detail, NCR transfers, FEFO and dispatch; the report explicitly remains in progress.

E09 - 5 October form review
Targeted forms and partial visual coverage. New HR operations and later clean-room/scrap UI acceptance are qualified in R01.

E10 - Help translation acceptance
Technical/render translation checks; not native-speaker approval of all languages.

E11 - Current licensing release
Perpetual seat entitlement and signed renewal checks; no customer keys were read for this document.

E12 - 5 October invoice query regression
Eight targeted PostgreSQL query scenarios and recorded live invoice detail response; not a universal response-time guarantee.

Baseline and installation records

R01 - Current shared product record
5 October corrections, recorded acceptance, deployment separation and open field boundaries.

R02 - Product memory and architecture
Database adapters, setup, manufacturing policies and recorded scope boundaries.

R03 - Existing HNROS feature inventory
Only the HNROS descriptions were used as a cross-check. SAP Business One scores are not evidence for HNROS or S/4HANA.

R04 - Application catalogue
Registered application entry points; registration does not prove a completed transaction.

I01 - Windows installer preconditions
64-bit OS, Windows major version and 3 GB disk preconditions; no fresh installer execution.

Document maintenance
When release content, source behavior, provider status or evidence changes, review the affected feature IDs and issue a new document version. Preserve earlier dated evidence rather than silently converting a partial record into full acceptance.