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TEST PLAN AND ACCEPTANCE RECORD

Test plan for the order desk and integration center of SDD-INT-001 against the requirements and failure conditions of SRA-INT-001

Test document — plan complete; results are recorded at acceptance

CAPABILITY	DOCUMENT	VERSION	DATE
Supply Chain & Integration	STP-INT-001	1.3	Oct 10, 2026

WRITTEN BY

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What this document is. The proof half of the set. Every requirement row and every failure condition that can be induced has a test here with a method, a pass criterion and the evidence it produces. The plan follows what public buyers write into integration contracts: a QA record per device from burn-in, serial capture at receipt, pre-shipment photographs, test reports that describe each test and its result, and acceptance as a signed act **[S18]**. Order-desk cases measure over a stated sample of real orders rather than a demonstration, because order accuracy and on-time delivery are rates. Results and evidence are captured at acceptance. A row with more than one tag is counted once: as a published figure if any tag is [S] or [S*], otherwise as an assumption if any tag is [A], otherwise as a design target.

Document control

Document	STP-INT-001	Version	1.3
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Classification	Public	Supersedes	1.2, Sep 27, 2026
Capability	Supply Chain & Integration	Author	Avinash Dhinakaran
Role	Principal Integration Architect		
Tests	SRA-INT-001 R2–R27 and F1, F3–F6, F8–F11, F13 SDD-INT-001 phases 0–5 and hold points 1–7		
Credentials	iSAQB Certified Professional for Software Architecture – Advanced Level (CPSA-A), Oracle Certified Consultant – Value Chain Planning, Master Data Management, SCM Cloud		
Approval	Approved by Edwin Ozer, Founder, Oct 10, 2026. Issued by Symbeeo, Oct 10, 2026.		
Sign-off	"The customer's named acceptor signs the results; the practice lead countersigns. Acceptance = every T-case marked pass or waived with a reason."		

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Table 1. Revision history

Date	Version	Change
Sep 15, 2026	1.0	First issue.
Sep 21, 2026	1.1	Corrections to wording, figure numbering and citations.
Sep 27, 2026	1.2	Revised to current platform versions and the current document format.
Oct 10, 2026	1.3	Approval line now reads: approved by the Founder, issued by Symbeeo. Avinash Dhinakaran remains the author.

1 · Scope, environment, entry and exit

Scope. The order desk, receipt, staging floor, logistics, spares pool and RMA path, and the handover record, for a typical buyer of SDD-INT-001. **Environment.** Order-desk cases (T1–T6, T27) run on the first orders of the engagement; staging cases (T7–T14, T28, T29) on Symbeeo's staging floor, the first article of each kit class witnessed by the client; logistics cases (T15–T19) at the receiving sites; spares and RMA cases (T20–T23, T31) as drills with each vendor line; handover cases (T24–T26) at phase 5; security cases (T32–T34) on the record spine and the exchange channels; the record-spine failover (T30) in an agreed test window. **Entry criteria.** SDD-INT-001 signed; prerequisites P1–P9 closed; build sheets and firmware baselines signed; test tools in §3.2 recorded with their versions. **Exit criteria.** Every T-case pass or waived with a written reason and the client's initials; evidence archive handed over with the handover pack.

Evidence captured for every case. Record export or screenshot with timestamp; serial, order or shipment number as applicable; tester's initials. Each case names, in its own column, the evidence it produces: a record export, a log extract, a screenshot, a per-device quality record (serial, firmware, test result, kept in §3), a signed checklist or a timing. The Evidence captured column stays empty until the case runs.

Samples. Rates (T5, T18, T19) are measured over every order line or delivery in the stated window, not a chosen subset. Sampled inspections (T13, T16) draw serials at random from the record spine, with the draw recorded [A].

2 · Test cases

Table 2. Test cases

ID	Tests	Method	Pass criterion	Evidence it produces	Result	Evidence captured	Date · initials
T1	R2 one queue, one order number	submit 20 requests across all 5 lines and 3 kit classes, 2 of them incomplete	every complete request has one order number in the one queue; both incomplete requests returned the same day	queue export listing request, line, vendor, order number, timestamps	☐ pass ☐ fail		
T2	R3 quotation line content	inspect every line of the first 3 quotations	every line carries every R3 field, severity 1–4 response included	quotation export with a completeness column per field	☐ pass ☐ fail		

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ID	Tests	Method	Pass criterion	Evidence it produces	Result	Evidence captured	Date · initials
T3	R4 no line past end of sale	for every quoted line, read the end-of-sale date on the quote day: Cisco EoX API v5.0 by product ID, other lines from the vendor's lifecycle page	0 lines past end-of-sale date	EoX API response extract per Cisco product ID; screenshot of each other vendor's lifecycle page with date	☐ pass ☐ fail		
T4	R5 allocation confirmed before commitment	for every committed line of the first 10 orders, compare the time the on-site date was committed with the time of the supplier's acknowledgment	commitment after acknowledgment on 100 % of committed lines	X12 855 / ORDRSP extract or portal screenshot per line, with timestamps; commitment log	☐ pass ☐ fail		
T5	R6 order accuracy	compare every line of the first 10 orders at first acknowledgment with the issued order: part, quantity, price	≥ 98 % of lines match; every variance has a signed change order	line-by-line diff report; change-order register extract	☐ pass ☐ fail		
T6	R7 date change notice	log every supplier change to an acknowledged ship date during phases 2–4 and the time the client was told	each notice ≤ 1 business day after the change	notice log with change time, notice time, recipient	☐ pass ☐ fail		
T7	R8 serial ⇔ ship notice at the dock; F3	scan every received unit against its ship notice; seed one test ship notice with a wrong serial	100 % of units matched before entering staging; the seeded line held at receipt	receipt record per unit; held-line record for the seeded mismatch	☐ pass ☐ fail		
T8	R9 authenticity at receipt; F4	run the method of SDD-INT-001 §5.1 on every unit; negative test: on a Dell staging unit, change one component after factory and run SCV	every unit carries a recorded method and result; the altered unit is reported as a mismatch and quarantined	SUDI verification output (Cisco); SCV validation report (Dell); iLO 7 attestation extract (HPE); serial-lookup record (others); quarantine record	☐ pass ☐ fail		
T9	R10 ESD program	read the ESD compliance logs for every staging day of the engagement	a daily personnel-grounding test and the program's periodic checks recorded for every staging day	ESD log extract per staging day	☐ pass ☐ fail		
T10	R11 build sheet and firmware baseline	per rack or kit, compare the as-built position scan and firmware read with the build sheet version	0 unrecorded deviations; firmware diff empty	build record per rack; firmware diff per rack (expected empty)	☐ pass ☐ fail		
T11	R12 burn-in duration and result	per unit, read burn-in start, end, load profile and result	duration ≥ SDD-INT-001 §5.3 for the device class; result pass	burn-in log per rack (power, temperature, error counters); per-device quality record	☐ pass ☐ fail		
T12	R13 staging quality record per unit	export the staging quality record for every unit shipped	100 % of units with every R13 field populated	per-device quality record export (serial, part, position, MAC, firmware at ship, burn-in result, tester, date)	☐ pass ☐ fail		

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ID	Tests	Method	Pass criterion	Evidence it produces	Result	Evidence captured	Date · initials
T13	R14 labeling to ANSI/TIA-606-D	per rack, scan 10 % of identifiers (minimum 20) drawn at random and compare label with record	100 % of the sample match	scan log; photographs of each sampled label	☐ pass ☐ fail		
T14	R15 pre-shipment sign-off	per shipment, compare the signed checklist with the dispatch time; first article witnessed by the client	a signed checklist exists before every dispatch	signed pre-shipment checklist per rack or kit; front and rear photographs with power and link lights; dispatch record	☐ pass ☐ fail		
T15	R16 SSCC and advance ship notice	at each site, scan every logistics unit's SSCC and compare with the ship notice received before dispatch	100 % of units on the notice; notice time before dispatch time	ship notice (X12 856 / DESADV or portal list) with timestamp; site scan log	☐ pass ☐ fail		
T16	R17 custody record	draw 10 serials at random and trace custody from dock to site	every transfer recorded with time and person accountable	custody record extract per serial	☐ pass ☐ fail		
T17	R18 shock and tilt logger; F9	on each crated rack, read the logger before power-on	100 % of crated racks read before power-on; any reading above the crate's rating followed by the on-site visual check and power-on test	logger export per rack; site check record where triggered	☐ pass ☐ fail		
T18	R19 delivery against schedule; F10	compare delivered date with committed on-site date for every delivery of phases 2–4	≥ 95 % on or before the committed date; every miss logged with cause	delivery log with committed date, proof-of-delivery date, cause of any miss	☐ pass ☐ fail		
T19	R20 shipment errors	count wrong item, quantity or site from site receipts over phases 2–4	< 2 % of shipments	shipment error log with each error and its correction	☐ pass ☐ fail		
T20	R21 spares pool	count the pool per model against SDD-INT-001 §6.2; power one spare per model and read its firmware	counts meet the table; firmware equals the site baseline	pool inventory export; firmware read per sampled spare	☐ pass ☐ fail		
T21	R22 one RMA queue, dispatch ≤ 4 business hours (failover test)	drill: raise one test failure ticket per vendor line (Cisco, server line, Arista, Fortinet) through the one queue	each ticket in the one queue; pool spare dispatched ≤ 4 business hours after the ticket	ticket and dispatch timestamps per drill; vendor RMA case ID	☐ pass ☐ fail		
T22	R23 replacement on site next business day (failover test)	continue each T21 drill to the site	spare on site by the next business day	proof-of-delivery timestamp per drill	☐ pass ☐ fail		
T23	R24 RMA turnaround per vendor	report every RMA case of the engagement, drills included	100 % of cases with ticket-to-replacement and defective-to-credit recorded, per vendor	RMA turnaround report per vendor	☐ pass ☐ fail		

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ID	Tests	Method	Pass criterion	Evidence it produces	Result	Evidence captured	Date · initials
T24	R25 media sanitization	for every returned or collected unit with storage, match the certificate or the non-return record to the serial	100 % of media covered; each certificate names serial, method (NIST SP 800-88 Rev. 2) and date; no PHI-bearing medium taken back unsanitized	sanitization certificate per device; non-return record where used	☐ pass ☐ fail		
T25	R26 lifecycle and license record	run a completeness check on the handover record for every serial	100 % of units with every R26 field populated	completeness report; EoX API extract for Cisco serials	☐ pass ☐ fail		
T26	R27 import into the client's register	import the handover record into the client's test slot (P9)	0 unmatched serials; 0 rejected rows	import log from the client's register	☐ pass ☐ fail		
T27	F1 late or short acknowledgment	on a test order line agreed with one trading partner, return an acknowledgment with a later date than requested	on-site date not committed; client told ≤ 1 business day; alternative offered as a change order	acknowledgment extract; notice log; draft change order	☐ pass ☐ fail		
T28	F5, F6 unit fails burn-in; firmware read after reset	during a first-article burn-in, remove one PSU feed from one server for 10 min, then reset it	fault logged against the serial; rack fails G5 until the unit is cleared and the rack re-burned 24 h; post-burn-in firmware read taken after the reset	burn-in log showing the fault; G5 record; firmware read after reset	☐ pass ☐ fail		
T29	F8 pre-shipment sign-off refused	on the first article, leave one checklist item open and attempt dispatch	dispatch refused; rack held; defect listed	screenshot of the refused dispatch; defect list	☐ pass ☐ fail		
T30	F13 record spine unavailable (failover test)	in an agreed test window, take the record spine offline, attempt a dispatch, then restore from backup	no dispatch without a record; restore complete ≤ 4 h with no record lost	refused-dispatch screenshot; restore log with start and end times; record count before and after	☐ pass ☐ fail		
T31	F11 no pool spare of the failed model	in one T21 drill, mark the pool for that model empty	vendor advance replacement ordered direct to site; pool refill ordered	vendor RMA record; refill order	☐ pass ☐ fail		
T32	Proof of encryption in transit (SRA-INT-001 §4.12)	probe every order, ship-notice and record exchange channel (AS2, SFTP, HTTPS); attempt a clear-text connection to each	TLS 1.2 or later (or SSH for SFTP) on every channel; clear-text refused	TLS scan output per channel; refused-connection log	☐ pass ☐ fail		
T33	Proof of encryption at rest (SRA-INT-001 §4.12)	inspect storage of the record spine and the staged configuration archive; read secret lines of one configuration per device class	storage encrypted; no clear-text secret in any configuration	screenshot of the storage encryption setting; redacted secret lines per device class	☐ pass ☐ fail		

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ID	Tests	Method	Pass criterion	Evidence it produces	Result	Evidence captured	Date · initials
T34	Security logs reach the client's collector (SRA-INT-001 §4.12)	raise test events: a failed login to the record spine and a custody change	both visible at the client's collector within 60 s [A], with user, serial and timestamp	screenshot of the collector search showing both events	☐ pass ☐ fail		

Thirty-four cases.

3 · Validated components and versions

Planned versions read on Sep 24, 2026 where stated and read again on the day of staging. Firmware at test, serial and test result stay empty until the test runs: together they are the per-device quality record, one row per serial in the full record (T12).

3.1 Devices and firmware (one row per model; per-serial rows in the staging quality record)

Table 3. Devices and firmware (one row per model; per-serial rows in the staging quality record)

Device	Model	Planned firmware	Firmware at test	Serial	Test result	Validated in
	2U server: HPE ProLiant Compute DL380 Gen12 or Dell PowerEdge R7725 per SDD-DC-001 [CMP]	vendor recommended BIOS and management-controller release on the day of staging [A]				T8, T10–T12, T20, T28
	Top-of-rack switch per SDD-DC-001	per SDD-DC-001 [A]				T10–T12, T20
	800G switch: Cisco Nexus 9364E-SG2 or Arista 7060X6-64PE [CMP]	vendor recommended release on the day of staging [A]				T8, T10–T12, T20
	Cisco C9300X-48HX	IOS XE 17.18.4, per SDD-NET-001 §5.4 [S]				T8, T10–T12, T20
	Cisco CW9178I	IOS XE 17.18.4a with APSP2, per SDD-NET-001 §5.4 [S]				T8, T10–T12, T20
	Firewall, FortiGate family per SDD-SEC-001	per SDD-SEC-001 [A]				T8, T10–T12, T20
	PDU, model at quote [A]	recorded at staging [A]				T10, T12

3.2 Systems and test tools

Table 4. Systems and test tools

Tool or system	Version	Used in
Record spine (order, serial and custody records)	product and version recorded at phase 0 [A]	T1–T7, T10–T30
EDI translator for X12 / EANCOM	product, version and X12 or EANCOM release per partner recorded at P3 [A]	T4, T5, T7, T15, T27

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Tool or system	Version	Used in
Cisco EoX API	v5.0 [S] `https://developer.cisco.com/docs/support-apis/eox/`, read Sep 24, 2026	T3, T25
Dell Secured Component Verification tool	version recorded at staging [A]; method per Dell article last modified May 19, 2026 [S]	T8
HPE iLO 7	firmware recorded at staging [A]	T8
Server load tool (CPU, memory, NVMe)	product and version recorded when the kit is fixed [A]	T11, T28
Traffic generator and loopback optics for switch burn-in	make, model and firmware recorded when the kit is fixed [A]	T11
Barcode and 2D-code scanner	model and firmware recorded when the kit is fixed [A]	T7, T13, T15
Shock and tilt loggers	model and calibration date recorded when the kit is fixed [A]	T17
ESD test equipment (wrist-strap and footwear tester, surface resistance meter)	model and calibration date recorded when the kit is fixed [A]	T9
TLS scanner	product and version recorded when the kit is fixed [A]	T32

A case run with a tool whose version is not recorded here is not evidence and is run again [A].

4 · Acceptance record

Table 5. Acceptance record

	Name	Role	Signature	Date
Client acceptor				
Symbeeo test lead				
Symbeeo practice lead				

Waivers and open defects are recorded at acceptance.

Acceptance terms:

- **Acceptance is positive and signed.** It exists only when the client's named acceptor signs the table above. Silence, installation or use of the delivered equipment, or the passing of a deadline is never acceptance.
- **Review window.** The client has **10 business days** from delivery of the results to review them [A].
- **Fix window.** For any failed case, Symbeeo has **10 business days** to fix it, then the case is run again and the client has **one re-review** [A].
- **Warranty.** The warranty starts on the date of signed acceptance. Vendor warranties run on the vendor's own terms and are recorded per serial (R26).

The 10-and-10 are defaults drawn from the 5–30 day range found in public contracts, marked [A]; the Founder can set others per engagement.

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Figures are as published by their sources on the dates given in this document; figures marked [A] are assumptions.

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