

Verixa — Demo Execution Test Cases / RTM (6 + 1 Workflows)

Companion to: *Verixa_Demo_Execution_Test_Pack_6plus1.md* & *Verixa_Demo_Scenario_and_EndUser_AcceptanceCR*

Branch: *dev-vimal-deploy* | SHA at authoring: *cc6e6157* | Date: *2026-06-10*

STATUS: Draft / blockers open / not executed / not approved. Nothing is 'validated' or 'passed' until QA executes a evidence.

Status legend

BUILT = live | VERIFY = confirm live in formal testing | TARGET = target-state (narrate as roadmap, never demo as live)

Marker discipline

«execution-captured» = runtime fact the runner fills at deploy (URL, password, generated ID, SHA). Do NOT invent. [VER

Personas (aligned to scenario Part A)

Ravi = QA Reporter (raises deviation, selects severity). Meera = QA Investigator + RCA/CAPA/SOP author (uses MIRA). executive co-sign).

viewer@acme.com = no-permission negative. admin@beta.com = cross-tenant negative. (QA-only; not shown to client.)

Demo workflow order (Part A)

Deviation -> RCA -> CAPA -> Document Control -> AI Governance Evidence -> Inspection Readiness -> MIRA. (AI Except

Load-bearing pre-flight (PASS or on cut list before go)

DC-7, DC-10, DV-4a, DV-7, CA-7, CA-8, EV-1a, EV-4, IR-5

Code+URS verification (this revision)

Each AC carries a 'Code verdict' column (vs *dev-vimal-deploy @ cc6e6157* + Target-State URS). Green = aligned; amber = non-conformance. 5 rows demoted to TARGET on verification: DV-11 (major co-sign route not wired), RC-9 (RCA approve reviewer not built), DC-11 (doc publisher!=approver not enforced), IR-6 (scorecard UI/formula non-conformance). Full evidence *Verixa_Demo_Flow_Claim_vs_Code_vs_URS.html*.

Sheets

TestCases (RTM) · AuthorityMap · TestData · GoNoGo · EvidenceIndex · EvidenceBasis

Open gates (fill before run — not facts): authority-profile IDs (AuthorityMap), email-domain decision, critical records (TestD account.

AC ID	Workflow	URS Ref	Status	Load-bearing	Demo User
DC-1	Document Control	URS-04	BUILT		Meera
DC-2	Document Control	URS-04	BUILT		viewer@acme.com
DC-3	Document Control	URS-04	BUILT		Meera
DC-4	Document Control	URS-18	BUILT		Meera
DC-5	Document Control	URS-18	BUILT		Meera
DC-6	Document Control	URS-04	BUILT		Meera
DC-7	Document Control	URS-04	VERIFY	Yes	Meera
DC-8	Document Control	URS-04	VERIFY		Anand
DC-9	Document Control	URS-04	BUILT		Meera
DC-10	Document Control	URS-18	VERIFY	Yes	Meera
DC-11	Document Control	URS-12	TARGET		Anand/Priya
DV-1	Deviation	URS-16	BUILT		Ravi
DV-2	Deviation	URS-16	BUILT		viewer@acme.com
DV-3	Deviation	URS-16	BUILT		Ravi
DV-4a	Deviation	URS-16	VERIFY	Yes	Ravi
DV-4b	Deviation	URS-16	TARGET		system
DV-5	Deviation	URS-16	VERIFY		Ravi
DV-6	Deviation	URS-16	BUILT		(none)
DV-7	Deviation	URS-16	VERIFY	Yes	Ravi=reporter
DV-8	Deviation	URS-16	BUILT		Anand
DV-9	Deviation	URS-16	VERIFY		Meera
DV-10	Deviation	URS-16	BUILT		Anand
DV-11	Deviation	URS-16	TARGET		Anand (+ practice lead)
DV-12	Deviation	URS-16	BUILT		Anand (closer) + executive co-signer
DV-13	Deviation	URS-16	TARGET		—

RC-1	RCA	URS-17	BUILT		Meera
RC-2	RCA	URS-17	BUILT		viewer@acme.com
RC-3	RCA	URS-17	BUILT		Meera
RC-4	RCA	URS-17	BUILT		Meera
RC-5	RCA	URS-17	VERIFY		Meera
RC-6	RCA	URS-17	BUILT		Meera
RC-7	RCA	URS-17	BUILT		Anand
RC-8	RCA	URS-17	VERIFY		Meera
RC-9	RCA	URS-17	TARGET		—
CA-1	CAPA	URS-18	BUILT		Meera
CA-2	CAPA	URS-18	BUILT		viewer@acme.com
CA-3	CAPA	URS-18	BUILT		Meera
CA-4	CAPA	URS-18	BUILT		Meera
CA-5	CAPA	URS-18	BUILT		Meera
CA-6	CAPA	URS-18	VERIFY		system
CA-7	CAPA	URS-18	BUILT	Yes	Meera
CA-8	CAPA	URS-18	VERIFY	Yes	Meera
CA-9	CAPA	URS-18	BUILT		Anand
CA-10	CAPA	URS-18	BUILT		Anand
CA-11	CAPA	URS-18	BUILT		Meera
CA-12	CAPA	URS-18	VERIFY		Anand
CA-13	CAPA	URS-18	TARGET		—
EV-1a	AI Gov Evidence	URS-32	BUILT	Yes	Anand
EV-1b	AI Gov Evidence	URS-32	TARGET		Anand
EV-2	AI Gov Evidence	URS-32	VERIFY		viewer@acme.com
EV-3	AI Gov Evidence	URS-32	BUILT		Anand
EV-4	AI Gov Evidence	URS-32	VERIFY	Yes	QA

EV-5	AI Gov Evidence	URS-32	VERIFY		Anand
EV-6	AI Gov Evidence	URS-32	VERIFY		Anand
EV-7	AI Gov Evidence	URS-32	TARGET		system
IR-1	Inspection Readiness	[VERIFY URS]	VERIFY		Anand
IR-2	Inspection Readiness	[VERIFY URS]	VERIFY		viewer@acme.com
IR-3	Inspection Readiness	[VERIFY URS]	VERIFY		Anand
IR-4	Inspection Readiness	[VERIFY URS]	VERIFY		Anand
IR-5	Inspection Readiness	[VERIFY URS]	VERIFY	Yes	Anand
IR-6	Inspection Readiness	URS-22	TARGET	Yes	Anand
MI-1	MIRA	URS-32	BUILT		Meera
MI-2	MIRA	URS-32	BUILT		Meera
MI-3	MIRA	URS-32	TARGET		Meera
MI-4	MIRA	URS-32	BUILT		Meera
MI-5	MIRA	URS-32	BUILT		Meera
MI-6	MIRA	URS-32	TARGET		Meera
MI-7	MIRA	URS-32	TARGET		—
MI-8	MIRA	URS-32	TARGET		—
AG-1	AI Exception (Admin)	URS-32	TARGET		Tenant admin
AG-2	AI Exception (Admin)	URS-32	TARGET		Tenant admin (EU)
AG-3	AI Exception (Admin)	URS-32	TARGET		Tenant admin
AG-4	AI Exception (Admin)	URS-32	TARGET		QA + Reg + Exec
AG-5	AI Exception (Admin)	URS-32	TARGET		system
AG-6	AI Exception (Admin)	URS-32	TARGET		system
AG-7	AI Exception (Admin)	URS-32	TARGET		Tenant admin
AG-8	AI Exception (Admin)	URS-32	TARGET		Tenant admin

Authority needed	Preloaded record	Navigation	Action
document author/create	—	Document Control	Click New Document
none	—	Document Control	Observe New Document
author	new SOP file	Document Control > New	Upload SOP (type=SOP)
author	[DEMO] SOP-MFG-047	Doc > open > MIRA Review	Run MIRA review
author	finding from DC-4	Doc review panel	Accept/reject/modify a finding
author	SOP after review	Doc > Edit	Edit + save
(author) attempting approve	SOP authored by Meera	Doc > Approve	Meera approves own doc
document approver e-sign (mig 334)	SOP authored by Meera	Doc > Approve > e-sign	Approve + e-sign
author	WI-042 / MBR (see TestData)	Doc(MBR) > MIRA Review	Request MIRA review on batch/MBR
author	title-only document (see TestData)	Doc > MIRA Review	Review a no-body document
make-effective	approved SOP	Doc > Effectivity	Effective date set by a controller who must differ from the approver
deviation create (mig 310)	—	Deviations	Click New Deviation
none	—	Deviations	Observe New Deviation
deviation create + classify	—	Deviations > New	Create; human selects classification + severity
—	demo deviation	Deviations > (severity assist)	Attempt generative classification when T2 off
—	—	—	Generative AI attempts to autonomously set classification/severity/disposition/closure/signature
—	demo deviation	Deviations > similar	Request 'similar prior deviations'
—	—	API/UI create	Unauthenticated create
—	deviation reported by Ravi	Deviation > assign investigator	Assign Ravi as investigator
classification/triage authority	demo deviation (Ravi-reported)	Deviation > triage	Confirm triage; assign Meera as investigator (!=reporter Ravi)
—	closed deviation (see TestData)	Deviation(closed) > edit	Edit a closed field
closure + QA reviewer	minor deviation	Deviation > close	Close minor
major closure	major deviation	Deviation > close	Close major
executive co-sign (see note)	deviation 3 (critical) + linked closed CAPA	Deviation(critical) > close	Close critical
—	—	—	AI advisory influences major/critical class under approved T2

rca create (mig 319)	deviation 1	Deviation > Start RCA	Start RCA
none	deviation 1	Deviation > Start RCA	Observe
rca author	RCA: Aseptic Fill (in_progress)	RCA > MIRA assist	Request MIRA assist
rca author	RCA in_progress	RCA > edit suggestion > save	Edit MIRA suggestion, save systemic cause
rca author	RCA in_progress	RCA > discard suggestion	Fully discard MIRA suggestion
(creator) approve	RCA created by Meera	RCA > approve	Approve own RCA
rca_lead approve	RCA by Meera	RCA > approve	Approve
rca author	RCA in_progress	RCA (gateway down)	Author manually with AI gateway unavailable
—	approved RCA	RCA > close	A 3rd distinct user (approver != closer) is required to close
capa create	approved RCA (LIMS)	RCA > Create CAPA	Create CAPA
none	approved RCA	RCA > Create CAPA	Observe
capa author	CAPA draft	CAPA > edit	Author action plan + effectiveness criteria
—	CAPA draft	CAPA / MIRA	Ask MIRA to draft CAPA action
—	CAPA draft	CAPA / MIRA	Ask MIRA to set priority/SLA
—	CAPA tables	—	AI surface attempts to write CAPA tables
(author) approve	CAPA by Meera	CAPA > approve	Approve own CAPA
(author) eff-check	CAPA by Meera	CAPA > effectiveness	Do own effectiveness check
approver + reviewer	CAPA by Meera	CAPA > approve / eff-check	Approve (!=author); eff-check (!=author)
closer e-sign	CAPA verified	CAPA > close	Close w/ e-sig
—	CAPA	CAPA / MIRA	Ask MIRA to close/disposition/mark-effective
closer	CAPA w/o eff-check	CAPA > close	Close before effectiveness verified
—	CAPA action item	CAPA > Action items	A separate reviewer (!= assignee) reviews+signs each action item's completion
evidence-pack authority	closed deviation+RCA+CAPA chain	AI Governance Evidence	Generate pack
evidence-pack authority	chain w/ AI suggestions	AI Gov Evidence	Inspect provenance completeness
none	—	AI Gov Evidence	Observe Generate
audit view	full chain	Audit trail	Open audit trail
—	generated pack	(tamper test)	Alter pack contents

evidence-pack	chain w/ a rejected AI suggestion	Pack contents	Inspect
evidence-pack	prior pack	AI Gov Evidence	Regenerate pack
—	—	—	Generative call without LLM audit (regulated mode)
inspection-readiness authority (mig 329)	closed chain	Inspection Readiness	Open module
none	—	Inspection Readiness	Observe
inspection-readiness	closed deviation/CAPA	Inspection Readiness > generate	Generate inspection pack
inspection-readiness	generated pack	Inspection Readiness > export	Export pack
—	mig 378 OOS/batch	(attempt to reach OOS/batch)	Request out-of-scope module
—	generated scorecard	Scorecard panel	On-screen component breakdown reconciles to the overall score ('answer to the decimal')
MIRA access	—	MIRA chat	Open chat, ask a question
—	any domain record	MIRA chat	Ask MIRA to modify a record
—	—	MIRA chat	Ask MIRA to draft CAPA action / set severity / write disposition
MIRA access	—	MIRA chat	Ask MIRA to explain an RCA concept
MIRA access	RCA / doc review	RCA/Doc > MIRA	MIRA provides themes / review findings
—	tenant w/o exception	MIRA chat	Ask MIRA to draft controlled content
—	tenant w/ approved exception	editor	Chat-assisted drafting under exception
—	EU-aligned tenant	admin	Enable MIRA critical drafting
—	—	Admin > AI features	Enable T2 without approved exception
—	—	Admin > AI features	EU tenant attempts T2 enablement
—	—	Admin > exception	Proceed after warning
—	—	Exception record	Three approvers e-sign
—	—	—	Exception reaches effective state
—	—	—	Exception expires
—	—	Exception record	Change scope/region/intended use/feature
—	—	Admin toggle	Direct toggle change bypassing exception workflow

Expected result	Pass/Fail rule
Form opens	PASS iff form renders; FAIL if button absent/errors
Button disabled/greyed	PASS iff control non-clickable for viewer
Stored as controlled v1; audit entry (who/when)	PASS iff v1 created AND audit row present
Advisory findings + confidence, labelled advisory; document unchanged	PASS iff findings shown, labelled advisory, doc body unchanged
Each decision logged (AI original + human decision)	PASS iff log shows original AI text + human action
New version; edit attributed to human	PASS iff version increments and updated_by=Meera
Blocked (approver != author)	PASS iff approve blocked for author
Approval w/ signer identity, meaning, timestamp, version link	PASS iff e-sig record has all four fields
Refused at gate before any AI call	PASS iff refusal precedes any AI request (logs) — internal test
Flags weak input, does not fake a review	PASS iff weak-input flag shown, no fabricated findings
Separate make-effective e-sig step IS real (document_publisher); but publisher!=approver NOT enforced & no document_controller authority	NARRATE — show the separate step, not a forced different person
Form opens	PASS iff form renders
Disabled	PASS iff non-clickable
Unique ID; saved; audit entry	PASS iff human-set severity persisted + audited
Blocked — deviation_classification OFF by default	PASS iff generative path not invocable with toggle false
Refused by non-relaxable T3 hard block (DEVIATION_GENAI_PROHIBITED); attempt audited	Do not demo live — narrate only
Rule-based list, labelled 'rule-based suggestion — requires human review', no LLM 401, no record	PASS iff list labelled rule-based (not 'AI'), no LLM call in logs PASS iff 401 and no row created
Blocked (investigator != reporter)	PASS iff SoD block fires
Recorded; enters investigation	PASS iff state->investigating, investigator(Meera)!=reporter(Ravi)
Refused (post-closure immutability)	PASS iff edit refused on closed record
Closure authority + QA reviewer e-sign	PASS iff both signatures recorded
+ practice-lead co-sign (URS-16 §0.6) + independent QA reviewer	NARRATE — majorCoSign() exists but no HTTP route; do not demo live
+ executive co-sign by an authority != author/investigator (Meera); requires linked closed CAPA	PASS iff exec co-sign present !=Meera) AND closed-CAPA link required
Independent QA review mandatory (reviewer != classifier/investigator)	Do not demo live — narrate

Enabled; RCA links to deviation	PASS iff RCA created + linked
Disabled	PASS iff non-clickable
Theme/next-why prompts, advisory-labelled; RCA unchanged until human acts	PASS iff suggestions advisory + record unchanged
Stores MIRA original + human final, model/version, timestamp; attributed to human	PASS iff both AI-original and human-final stored
MIRA original retained, marked rejected	PASS iff rejected suggestion still persisted
Blocked (approver != creator)	PASS iff SoD block fires
Approval recorded	PASS iff approval by approver(Anand)! =creator(Meera)
Manual authoring proceeds	PASS iff RCA can be saved with gateway down
Code enforces drafter!=approver + drafter! =closer only; approver!=closer NOT enforced (2-user flow passes); RCA close has no e-sig	NARRATE — do not demo a forced 3-person RCA
Enabled; links to deviation+RCA	PASS iff CAPA linked to both
Disabled	PASS iff non-clickable
Saved under human authorship	PASS iff created_by=Meera
Not available (draft_capa removed)	PASS iff no draft-CAPA action exists
Not available (T2 OFF)	PASS iff no priority-set action exists
No AI write path (capas, capa_action_items, capa_effectiveness_checks, capa_cascade_items)	PASS iff negative integration test + static scan find no AI write
Blocked (approver != author)	PASS iff SoD block
Blocked (reviewer != author)	PASS iff SoD block
Recorded w/ evidence/date/actor	PASS iff both done by non-author(!=Meera)
Signer identity/meaning/timestamp/state link	PASS iff e-sig complete
Not possible	PASS iff no such action
Blocked (lifecycle gate)	PASS iff close blocked pre-effectiveness
capa_action_items has owner_id only; no reviewer field/SoD/e-sig (mig076); URS-18 wants reviewer-signed completion	NARRATE — not built; do not demo item-level reviewer
Assembled live from records; hash-sealed	PASS iff pack generated + hash present
Every AI suggestion w/ type, model ID/version, prompt/output hash, confidence, accept/edit/reject, reviewer, override reason, final-record link	Do not claim live — completeness pending LLM-audit + model-id fixes
Disabled	PASS iff non-clickable
Actor, role, UTC, before/after, reason across chain	PASS iff fields present incl. before/after
Stored hash no longer matches	PASS iff tamper detected

Rejected suggestion shown (AI-proposed vs human-decided)	PASS iff rejected suggestion visible
New pack, new hash+timestamp; prior immutable	PASS iff prior pack unchanged + new hash
Fails closed (LLM_AUDIT_REQUIRED)	Do not demo live — narrate
Generate readiness pack enabled	PASS iff enabled for authorized user
Disabled	PASS iff non-clickable
Assembles deviation+RCA+CAPA+e-signs+eff-check+audit+AI-advisory history	PASS iff all chain elements present
Controlled export; metadata+signatures manifested; export audited	PASS iff export audited + signatures manifested
Unreachable (hidden / not-found)	PASS iff OOS/batch not reachable in demo tenant
UI renders 5 legacy comps @ 25/20/25/15/15; engine uses 8 v1.2 comps; DEC-22-09 requires frontend contract alignment	DO NOT DEMO — URS non-conformance until UI shows the 8 v1.2 components
Advisory copilot answers	PASS iff responds as advisory
Cannot — MIRA never writes a domain/GxP record	PASS iff no mutation to controlled domain tables; MIRA conversation/audit logging may occur
Blocked/routed by sanitizer; no ungoverned record-ready text	Do not demo live unless sanitizer build confirmed — narrate
Allowed (educational/non-record)	PASS iff explanation given, no controlled text
Advisory, labelled; human decides; logged	PASS iff labelled advisory + decisions logged
Blocked (T2 default-off)	Do not demo live — narrate
Draft appears only as provenance-logged tracked suggestion in editor	Do not demo live — narrate
Hard-gated + blocked (T2_EU_GMP_BLOCKED); audited	Do not demo live — narrate
Enablement blocked; feature remains OFF	Narrate only — T2 is not a toggle
Hard-gated warning; T2_EU_GMP_BLOCKED; audited	Narrate only
Controlled exception record created (region, intended use, scope, modules, reason, effective, expiry, risk-acceptance)	Narrate only
Three discrete signatures linked to record version (meaning, timestamp, identity)	Narrate only
T2 available only within approved scope and only as advisory, never-write	Narrate only
T2 auto-disables; re-approval required	Narrate only
Prior approval void; new version + re-signature required	Narrate only
Blocked and audited	Narrate only

Evidence file	Owner	Code verdict (cc6e6157 vs URS)	Result (PASS/FAIL/CUT)
DC-1.png	FE/QA	Aligned (code+URS verified)	
DC-2.png	FE/QA	Aligned (code+URS verified)	
DC-3.png + DC-3.json	BE/QA	Aligned (code+URS verified)	
DC-4.png	QA	Aligned (code+URS verified)	
DC-5.json	BE/QA	Aligned (code+URS verified)	
DC-6.png	QA	Aligned (code+URS verified)	
DC-7.png	QA	Aligned — author!=approver (service.ts:3365, SoD-12-01)	
DC-8.png + DC-8.json	QA/CSV	Aligned — approval e-sig + reviewer round-trip (document-review/service.ts:1861)	
DC-9.png	QA	Aligned (code+URS verified)	
DC-10.png	QA	Aligned (code+URS verified)	
DC-11.png	QA/CSV	Overclaim/Target — separate make-effective exists; publisher!=approver NOT enforced	
DV-1.png	FE/QA	Aligned (code+URS verified)	
DV-2.png	FE/QA	Aligned (code+URS verified)	
DV-3.png + DV-3.json	QA	Aligned (code+URS verified)	
DV-4a.png + gate log	BE/QA	Aligned — off by default + fail-closed (mig227; classification.service.ts:48)	
n/a (narrate)	—	Target — T3 hard block not built	
DV-5.png	QA	Aligned (code+URS verified)	
DV-6.json	BE/QA	Aligned (code+URS verified)	
DV-7.png	QA	Aligned — SoD-16-01 enforced 4x (service.ts:437,537,1023,3054)	
DV-8.png	QA	Caveat — code allows reporter to run triage; enforced rule is investigator!=reporter	
DV-9.png	QA	Aligned (code+URS verified)	
DV-10.json	QA/CSV	Aligned (code+URS verified)	
DV-11.json	QA/CSV	Code behind URS — majorCoSign() exists but NOT routed (service.ts:1911)	
DV-12.json	QA/CSV/ Founder	Aligned — critical exec co-sign routed (routes.ts:1139)	
n/a (narrate)	—	Target — AI-conditioned review not built	

RC-1.png	FE/QA	Aligned (code+URS verified)	
RC-2.png	FE/QA	Aligned (code+URS verified)	
RC-3.png	QA	Aligned (code+URS verified)	
RC-4.json	BE/QA	Aligned (code+URS verified)	
RC-5.json	BE/QA	Aligned (code+URS verified)	
RC-6.png	QA	Aligned — creator!=approver (service.ts:853)	
RC-7.json	QA/CSV	Aligned (approve) — note: RCA close has NO e-sig/authority ('admin cleanup', routes.ts:488)	
RC-8.png	BE/QA	Aligned (code+URS verified)	
n/a (narrate)	—	Target/Decision — approver!=closer NOT enforced; 3-person RCA not in code or URS	
CA-1.png	FE/QA	Aligned (code+URS verified)	
CA-2.png	FE/QA	Aligned (code+URS verified)	
CA-3.png	QA	Aligned (code+URS verified)	
CA-4.png	QA	Aligned (code+URS verified)	
CA-5.png	QA	Aligned (code+URS verified)	
static-scan + CA-6.json	BE/CSV	Aligned — AI-write static scan clean (no write to capa tables)	
CA-7.png	QA	Aligned — approver!=creator/assignee (service.ts:1026, SoD-18-01)	
CA-8.png	QA	Aligned — effectiveness!=creator/assignee (service.ts:553, SoD-18-03)	
CA-9.json	QA/CSV	Aligned (code+URS verified)	
CA-10.json	QA/CSV	Aligned (code+URS verified)	
CA-11.png	QA	Aligned (code+URS verified)	
CA-12.png	QA	Aligned — close needs verified+items terminal (service.ts:638,787, DEC-18-16)	
n/a (narrate)	—	Code behind URS — item-level reviewer-signed completion not built (mig076: owner_id only)	
EV-1a.pdf/.zip + hash	QA/CSV	Aligned — live assembly + hash-seal (pack.service.ts:972)	
EV-1b.json	CSV/BE	Target — full per-suggestion provenance pending	
EV-2.png	FE/QA	Aligned (code+URS verified)	
EV-3.png	QA/CSV	Aligned (code+URS verified)	
EV-4.json	BE/CSV	Aligned — sha256 tamper-evident	

Notes (apply to the TestCases RTM)

- DV-12: critical close requires an executive co-sign by an authority != author/investigator (Meera). If tenant SoD requires e (execution-captured); else Anand provides the executive co-sign as approver-closer-executive.
- Yellow columns on TestCases (Result, Actual/Notes, Capturer, Capture UTC, Deployed SHA) are filled by QA at execution.
- URS ref for Inspection Readiness = [VERIFY] (confirm exact URS number before run).
- Logins are the exact seeded values (viewer@acme.com, etc.); for external evidence packs use demo-safe *.example.test

Persona	Login (seeded)	Role
Ravi — QA Reporter	reviewer@acme.com	reviewer
Meera — Investigator + RCA/CAPA/SOP author	lead@acme.com	quality_lead
Anand — Approver/closer/evidence/inspection Viewer — no-permission (QA-only)	«execution-captured» (candidate admin@acme.com)	admin/executive
Cross-tenant (QA-only)	viewer@acme.com	viewer
Auditor (optional, QA-only)	admin@beta.com	Beta admin
	auditor@acme.com	auditor [VERIFY]

SoD rule (actor-vs-record): no actor may approve, review, close, or effectiveness-check a record the

Exact authority profile ID/name	Expected (positive) authorities
«fill from seed mig 310»	deviation create/report
«fill from seed 310/319/334»	investigate, RCA author, CAPA author, SOP author/upload
«fill from seed 329/274/207»	approve, close, evidence-pack, inspection-readiness, executive co-sign
«fill»	read only
n/a	prove Acme records unreachable
«fill»	read + audit-trail view

Must NOT hold (negative)	Password
RCA/CAPA approve; close; evidence-pack; executive	«execution-captured»
approve/close OWN record; executive co-sign	«execution-captured»
author/investigate records he approves	«execution-captured»
any create/approve/close/evidence	«execution-captured»
—	«execution-captured»
create/approve/close	«execution-captured»

Data	Seeded record(s)
Controlled documents	SOP-001 Cold Storage Monitoring (d0c00001-...-0001); WI-042 Batch Record Completion (...-0002); REG-005 FDA 21 CFR Part 211 Checklist (...-0003); POL-012 Deviation Management Policy (...-0004)
Demo SOP for MIRA review	[DEMO] SOP-MFG-047 Aseptic Fill Operation
MBR / batch record (DC-9 negative)	WI-042 [VERIFY type gate]; else seeded MBR
Deviations (DEV-{yr}-DEMO-{n})	(1) Aseptic Fill Line Temperature Excursion (investigating, Manufacturing); (2) LIMS Data Entry Error — Incorrect Batch Number (Quality Control); (3) SOP-MFG-047 Out-of-Date Revision Used (critical, Document Control)
CAPAs	Corrective Action: Fill Line Temperature Control Improvement (corrective); Preventive Action: LIMS Batch Number Validation Rule (preventive)
RCAs (RCA-{yr}-DEMO-{n})	RCA: Aseptic Fill Line Temperature Excursion (in_progress); RCA: LIMS Batch Number Transposition (approved)
Findings	Gowning logbook entries missing secondary verification; Calibration label past due on balance BAL-07
Inspection event (INSP-{yr}-DEMO-{n})	Internal QA inspection, in_progress
Demo e-sig / HITL / escalation	signatures on demo deviation; HITL decisions; escalated decision
Workflow templates	Phase-1 SOP+RCA; demo effective; AI-gov evidence
Out-of-scope route (IR-5 negative)	batch + OOS linked — must be UNREACHABLE in demo tenant

Negative / edge records — explicit setup steps (load-bearing)

For AC	Record needed
DV-9	closed deviation
DV-12	deviation 3 (critical) + linked closed CAPA
DC-10	title-only document
DC-9	batch record / MBR
IR-5	OOS/batch route
Tenant isolation	cross-tenant

Source migration	Run-time ID / confirm
072_seed_test_documents.sql	fixed UUIDs; tenant f47ac10b-...
323_seed_demo_rca_findings_inspection_documents.sql	«capture»
072 / 219_seed_mbr_ipc_parameters.sql	«capture + gate result»
263_seed_demo_deviations_and_capas.sql	«capture»
263	«capture»
323	«capture»
323	«capture»
323	«capture»
272, 266/267, 271	«capture»
306, 264, 303	seeded
378_seed_demo_batch_oos_linked.sql	seeded; confirm hidden

Setup step	Confirm
Take deviation 2 (LIMS) to closed if no closed demo deviation exists	«capture closed-deviation ID»
Create/confirm a CAPA linked to deviation 3 and drive it to closed (or re-link a seeded CAPA)	«capture critical-dev + linked closed-CAPA ID»
Seed/create a document with title+type only, no body; run MIRA review	«capture title-only doc ID»
Use WI-042 if gated as batch/MBR; else MBR from mig 219; else cut DC-9 mig 378 present but hidden	«capture MBR ID + gate result»
admin@beta.com	confirm hidden
	seeded

Item
Deployed URL + SHA + migration high-water mark recorded.
Acme tenant seeded; demo deviations/RCA/CAPAs/docs/inspection present; OOS/batch hidden (IR-5).
Passwords set; Ravi != Meera != Anand; viewer@acme.com has no create/approve authority.
Load-bearing VERIFY pre-flighted: DC-7, DC-10, DV-4a, DV-7, CA-7, CA-8, EV-1a, EV-4, IR-5 — each PASS or on cut list.
Evidence folder + evidence_index created; capture convention agreed.
Cut list finalized (any failed VERIFY); narration script updated to match.
Target-state items confirmed narrate-only: DV-4b, DV-13, EV-1b, EV-7, MI-3/6/7/8, AG-1..AG-8.
Audit-trail beat (EV-3) confirmed working.
Revision Gate all closed: persona alignment, order, authority map filled, email-domain decision, critical records.
Authority map (sheet) filled with exact profile IDs; positive+negative authorities confirmed.
Seed idempotency confirmed by BE — or snapshot-restore reset adopted for re-runs.
No console.log/error banners — checked per screen group; one screenshot per group.
Go/No-Go signed: QA (execution), Founder (date). No-Go if IR-5 leaks, EV-1a can't assemble live, or Revision Gate open.

ac_id	workflow	demo_user	evidence_file	capturer
DC-1	Document Control	Meera	DC-1.png	
DC-2	Document Control	viewer@acme.com	DC-2.png	
DC-3	Document Control	Meera	DC-3.png + DC-3.json	
DC-4	Document Control	Meera	DC-4.png	
DC-5	Document Control	Meera	DC-5.json	
DC-6	Document Control	Meera	DC-6.png	
DC-7	Document Control	Meera	DC-7.png	
DC-8	Document Control	Anand	DC-8.png + DC-8.json	
DC-9	Document Control	Meera	DC-9.png	
DC-10	Document Control	Meera	DC-10.png	
DC-11	Document Control	Anand/Priya	DC-11.png	
DV-1	Deviation	Ravi	DV-1.png	
DV-2	Deviation	viewer@acme.com	DV-2.png	
DV-3	Deviation	Ravi	DV-3.png + DV-3.json	
DV-4a	Deviation	Ravi	DV-4a.png + gate log	
DV-4b	Deviation	system	n/a (narrate)	
DV-5	Deviation	Ravi	DV-5.png	
DV-6	Deviation	(none)	DV-6.json	
DV-7	Deviation	Ravi=reporter	DV-7.png	
DV-8	Deviation	Anand	DV-8.png	
DV-9	Deviation	Meera	DV-9.png	
DV-10	Deviation	Anand	DV-10.json	
DV-11	Deviation	Anand (+ practice le	DV-11.json	
DV-12	Deviation	Anand (closer) + ex	DV-12.json	
DV-13	Deviation	—	n/a (narrate)	
RC-1	RCA	Meera	RC-1.png	
RC-2	RCA	viewer@acme.com	RC-2.png	
RC-3	RCA	Meera	RC-3.png	
RC-4	RCA	Meera	RC-4.json	
RC-5	RCA	Meera	RC-5.json	
RC-6	RCA	Meera	RC-6.png	
RC-7	RCA	Anand	RC-7.json	
RC-8	RCA	Meera	RC-8.png	
RC-9	RCA	—	n/a (narrate)	
CA-1	CAPA	Meera	CA-1.png	
CA-2	CAPA	viewer@acme.com	CA-2.png	
CA-3	CAPA	Meera	CA-3.png	
CA-4	CAPA	Meera	CA-4.png	
CA-5	CAPA	Meera	CA-5.png	
CA-6	CAPA	system	static-scan + CA-6.json	
CA-7	CAPA	Meera	CA-7.png	
CA-8	CAPA	Meera	CA-8.png	
CA-9	CAPA	Anand	CA-9.json	
CA-10	CAPA	Anand	CA-10.json	

CA-11	CAPA	Meera	CA-11.png
CA-12	CAPA	Anand	CA-12.png
CA-13	CAPA	—	n/a (narrate)
EV-1a	AI Gov Evidence	Anand	EV-1a.pdf/.zip + hash
EV-1b	AI Gov Evidence	Anand	EV-1b.json
EV-2	AI Gov Evidence	viewer@acme.com	EV-2.png
EV-3	AI Gov Evidence	Anand	EV-3.png
EV-4	AI Gov Evidence	QA	EV-4.json
EV-5	AI Gov Evidence	Anand	EV-5.png
EV-6	AI Gov Evidence	Anand	EV-6.json
EV-7	AI Gov Evidence	system	n/a (narrate)
IR-1	Inspection Readiness	Anand	IR-1.png
IR-2	Inspection Readiness	viewer@acme.com	IR-2.png
IR-3	Inspection Readiness	Anand	IR-3.pdf
IR-4	Inspection Readiness	Anand	IR-4.pdf + IR-4.json
IR-5	Inspection Readiness	Anand	IR-5.png
IR-6	Inspection Readiness	Anand	IR-6.png
MI-1	MIRA	Meera	MI-1.png
MI-2	MIRA	Meera	MI-2.png + MI-2.json
MI-3	MIRA	Meera	n/a (narrate)
MI-4	MIRA	Meera	MI-4.png
MI-5	MIRA	Meera	MI-5.json
MI-6	MIRA	Meera	n/a (narrate)
MI-7	MIRA	—	n/a (narrate)
MI-8	MIRA	—	n/a (narrate)
AG-1	AI Exception (Admin)	Tenant admin	n/a (narrate)
AG-2	AI Exception (Admin)	Tenant admin (EU)	n/a (narrate)
AG-3	AI Exception (Admin)	Tenant admin	n/a (narrate)
AG-4	AI Exception (Admin)	QA + Reg + Exec	n/a (narrate)
AG-5	AI Exception (Admin)	system	n/a (narrate)
AG-6	AI Exception (Admin)	system	n/a (narrate)
AG-7	AI Exception (Admin)	Tenant admin	n/a (narrate)
AG-8	AI Exception (Admin)	Tenant admin	n/a (narrate)

capture_utc	deployed_sha	result(PASS FAIL CUT)	reset_method
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note

Evidence basis — re

Group

Demo data seeds

Authority seeds

Modules

Findings

Note

Path / detail

packages/backend/src/db/migrations/263_seed_demo_deviations_and_capas.sql — 3 deviations + 2 CAPAs (incl. critical)

323_seed_demo_rca_findings_inspection_documents.sql — 2 RCAs, 2 findings, inspection events, [DEMO] SOP-MFG-04

072_seed_test_documents.sql — SOP-001/WI-042/REG-005/POL-012 (fixed UUIDs); tenant f47ac10b-...

378_seed_demo_batch_oos_linked.sql — OOS/batch out-of-scope route (IR-5 negative)

219_seed_mbr_ipc_parameters.sql — MBR (DC-9 fallback)

264 / 306 / 303 seed_*workflow_template* — workflow templates

266/267 seed_demo_hitl_decisions; 271 seed_demo_escalated_decision; 272 seed_demo_signatures_on_demo_deviation

packages/backend/src/db/seeds/002_seed_test_data.ts — tenant users (@acme.com, @beta.com)

310_seed_urs16_deviation_authority_profiles; 319_seed_urs17_rca_authority_profiles; 334_seed_document_reviewer_au

336_seed_document_control_permission; 329_seed_ie_closure_authority; 274_seed_hitl_final_reviewer_authority_for_tes

207_seed_mbr_approval_authority; 236_seed_missing_authority_profiles

packages/backend/src/modules/{documents,deviations,rca,capas,ai-evidence,inspection-readiness,ai,scoring-ai,authority,h

F1 gxp_alignment/region absent (mig 227 toggles only) -> region cell; F5/F6 HITL-skip + optional llmAudit -> EV-1b/EV-7;

model_name/model_id mapping -> EV-1b; MIRA 'never modifies domain entities' -> MI-2

Authority-profile exact names/IDs seeded by the migrations above were not enumerated in this pass — fill AuthorityMap from
([VERIFY]).