

# 05 - Implementation and Test Plan

## 26-week project plan for SIMSM

Date: 23 June 2026

Procedure: ocds-b3wdp1-MD-1779798670296

Object: Development of the Information System for Monitoring Medicine Stocks (SIMSM)

Bidder: Varnix Technologies Ltd.

### 1. Delivery methodology

Varnix proposes a controlled Waterfall delivery model with iterative engineering within each phase. The approach fits the six-month implementation window, supports formal phase acceptance and keeps traceability between tender requirements, architecture, implementation, testing and final acceptance.

### 2. Implementation plan

Period	Phase	Main activities	Key deliverables
Weeks 0-4	Analysis and final architecture	Requirements workshops; final data flow and reporting process; architecture; data model; API design; first compliance matrix; test plan; implementation calendar.	Architecture document, initial API specification, data model, test plan, agreed implementation backlog.
Weeks 5-12	Core development and first MVP	Set up standard components; reporting API; initial integration guide; manual reporting prototype; MUD/UI alignment; initial aggregation, dashboard and alert configuration; first performance test.	Staging MVP, first OpenAPI version, initial integration guide, first performance test report.
Weeks 13-18	Integrations and extended functionality	First registrar system integrations; complete FrontOffice flows; MPass, MConnect and MNotify integration; dynamic aggregation, dashboard and alert configuration; functional testing.	Functional baseline, integration adapters, role-based flows, dashboard/alert baseline.
Weeks 19-22	Registrar integrations, production and performance	Continue registrar integrations; finalize compliance matrix; plan and execute repeated performance tests; final guides; MLog integration; production installation.	Production environment, performance test report, final integration guide, MLog integration, updated documentation.
Weeks 23-26	Security, training and acceptance	Security testing; technical and documentation adjustments; training materials; training for five system administrators; acceptance support.	Security report, remediation log, training package, final acceptance package.

### 3. Phase acceptance approach

- Each phase starts with a short planning checkpoint and ends with a formal deliverable review.
- Varnix will maintain a requirements traceability and compliance matrix throughout the project.
- AMDM consolidated feedback is expected within an agreed review window to protect the 26-week timeline.
- Defects and comments will be tracked, prioritized and resolved according to severity and impact on acceptance criteria.

### 4. Resource plan by phase

Phase	Summary	Project Manager	Solution Architect	Data Analyst	Backend Developer	Frontend Developer	DevOps Engineer	QA	Cybersecurity Engineer	Technical Writer	Management reserve
Weeks 0-4	Analysis and final architecture	100	100	120	90	60	50	70	30	30	0
Weeks 5-12	Core development and first MVP	120	70	190	470	420	150	160	20	40	110
Weeks 13-18	Integrations and extended functionality	130	70	190	510	280	140	150	50	40	40
Weeks 19-22	Registrar integrations, production and performance	90	40	90	170	80	130	150	40	50	10
Weeks 23-26	Security, training, final adjustments and acceptance	80	20	60	110	60	50	70	20	100	140
Total		520	300	650	1350	900	520	600	160	260	300

## 5. Test plan

Period	Testing stage	Scope
Weeks 0-4	Test planning and scenario definition	Acceptance criteria, critical functional flows, test data model, three-year performance dataset model, performance scenarios agreed with AMDM.
Weeks 5-12	Initial functional testing and first performance test	Validate reporting API, main validations, atomic processing, manual reporting prototype, search and initial views. Execute first performance tests to validate architecture and sizing.
Weeks 13-18	Functional testing of baseline flows and performance scenario adjustment	Validate MPass roles, MConnect/MNotify integration, reporting, corrections, aggregations, dashboards and alerts. Update performance scripts and datasets.
Weeks 19-22	Repeated performance testing and optimization; security test planning	Load and stress tests on staging using generated operational volume. Validate response-time thresholds, concurrency, report sizes, hourly alert evaluation and notification volumes.
Weeks 23-26	Security testing, final validation and regression	OWASP-oriented security testing, remediation verification, minimal regression for critical flows, final test reports and acceptance support.

## 6. Acceptance criteria

- All mandatory functional flows defined in the Terms of Reference are implemented or formally agreed as not applicable.
- The system is deployed to staging and production according to approved deployment procedures.
- Performance targets are met under agreed test scenarios or corrective actions are completed and retested.
- Security issues identified in the agreed testing scope are fixed or accepted with mitigation by the beneficiary.
- Source code, configuration, Helm chart, test scripts and editable documentation are transferred as required.
- Training for five system administrators is delivered and training materials are handed over.

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