

Project Success Measurements

Malcom Daggett | Mercer University

B.S. Information Technology and Informatics

Planning baseline: October 20, 2026

Evaluation approach: practitioner case study, scripted functional tests, and structured self-walkthroughs. No interviews, external tester recruitment, or participant satisfaction survey is planned. These are proposed acceptance targets; no measured results are claimed.

Core acceptance criteria

ID / measure	Target and evidence
M1 Scope routing	Both product and entire-SSP paths open the correct fields in all predefined scope cases. Save input and screen evidence.
M2 Required fields	All predefined missing/invalid-field cases are blocked with understandable messages. Valid complete records submit successfully.
M3 UTC schedule	All scripted UTC values persist and display without unintended local conversion. Invalid end-before-start windows are rejected.
M4 Lead time and urgent	All boundary cases follow the documented rule: less than 10 days requires urgent and justification. Urgent does not skip approval.
M5 Recipient accuracy	Actual fictional recipient set equals the expected set for every mapping case; no omitted or extra group.
M6 Approval sequencing	Internal submission/review updates occur at the defined states. Pending and rejected planned requests produce zero customer deliveries. Approved cases become eligible.
M7 Status/history	Every scripted state transition is reflected in the request status and event history.
M8 Notice accuracy	Every checked preview matches outage scope, affected services, UTC window, impact, and intended audience.

Release and documentation measures

Measure	Acceptance target
Critical test coverage	Every core requirement links to at least one normal case and relevant negative/boundary cases.
Critical-case pass rate	100% of defined critical cases pass on the release candidate. Report numerator and denominator.
Open defects	Zero unresolved critical or high-severity defects at release; lower-severity issues are documented with their impact.
Revision traceability	Each implemented evaluation-driven change links to a finding and a dated retest.
Setup and help	Complete one clean fictional-data setup/demo walkthrough using the written instructions; record any corrections.
Academic evidence	All required planning/design/development/evaluation/release files and links are present by their milestones.

Minimum boundary test set

Test product and entire-SSP scope; missing required values; end before start; a valid UTC window; 9 days 23 hours 59 minutes, exactly 10 days, and more than 10 days before maintenance; urgent without justification; pending, rejected, and approved requests; duplicate recipient mappings; and a request whose affected scope changes before submission. Use a fixed simulation clock so results are reproducible.

Recording and calculation

Each record contains test ID, requirement ID, version, date, fictional input, expected result, actual result, pass/fail, screenshot/log reference, defect severity, revision, and retest. Pass rate = passed cases / executed cases x 100. Report blocked or unexecuted cases separately; do not count them as passed.

Practitioner walkthrough and interpretation

Use the design task list to complete both outage scenarios and record unclear labels, unnecessary steps, errors, and corrections. Optional task times describe my performance only. Do not report participant averages, survey satisfaction, or unfamiliar-user success rates. Self-testing provides technical and case-specific evidence, with developer familiarity and confirmation bias explicitly acknowledged.