

SuperSimple TSPi Script: REQn

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Purpose: to guide a team in through updating and inspecting the requirements and test plan for a second or subsequent development cycle.

- **Entry Criteria:**
 1. Team has completed PLAN phase for the cycle
 2. Team has results from prior cycle including known defects and desired improvements in the product
 - **General Description:** Subsequent cycle requirements and tests are based on the requirements of the past cycle. Changes, additions, and deletions are made as necessary to continue the product evolution.
- Note:** The team should be cautious about expanding the requirements too far. Be sure to make requirement small and individual so that some may be fully implemented even if others are not successfully completed.

✓ 1 – Instructor Inputs

The instructor describes any general problems with the prior cycle products. The instructor may suggest focus areas for the current cycle

✓ 2 – Produce updated Requirements Specification

Development Manager leads the team in identifying requirements changes to be made, including any changes to requirements from the prior cycle.

- **Review Possible Functions to be Changed or Added:** Be certain full team understand user aspects of each function and probable impacts on implementation from last cycle
- **Determine Desired List of Requirements Changes:** Reach agreement on each new function for the cycle. If appropriate decide which are mandatory, optional, (or give a specific priority order to the functions)
- **Update Use Case Model and Use Case Narratives:** Modify or add to the past cycle use case model and extended use case narratives. Development Manager assigned specific tasks to team members for each function. Agree on schedule for completion.

✓ 3 – Produce Updated System Test Plan

Quality / Process Manager leads the team in discussing and planning for an organized and effective test approach for the cycle:

- **Review Past Cycle Test Results:** What worked and what did not work last time? Was testing productive? How do we improve this time?
- **Create Revised System Test Plan and Individual Test Cases:** Identify and name and number each planned test. Assign test case development to team members. Agree on schedule for completion.

✓ 4 – Review, Inspect, and Complete the

Team Leader ensures that high quality deliverables are generated for the phase:

Requirement Specification and Test Plan for the cycle.	• Ensure Individual Reviews Completed for All Items: Confirm and assist as necessary to have assigned requirements and test plan items produced and reviewed on time by the assigned individual team members. • Conduct Inspection of Requirements Specification and Test Plan: Assign reviewers and moderators for one or more formal inspections of the phases deliverables. Record defects in LOGD forms. Determine if additional inspection is required after updates are made. Note: accurate, complete, and well structured requirements are the most important thing you can do to ensure a successful product at the end of the cycle. Errors and omissions in requirements will haunt you; get the right now to help the whole team understand the product and be able to complete their parts. Note: a complete, well document test plan with specific test cases will save you time and ensure you can effectively test the product toward the end of the cycle.
✓ 5 – Baseline the Requirement Specification and Test Plan for the Cycle	Quality / Process Manager and Support Manger receive the updated documents for the cycle and review to see if all process requirements have been met (one or more inspections with suitable metrics), documents meeting quality requirements for style, naming conventions, etc. Reject document *now* that do not meet team quality and configuration requirements. Baseline only correct, consistent, and high quality deliverables!
PLANn Exit Criteria	
The Requirements Specification for the cycle is complete, high quality, and baselined for the cycle The Test Plan for the cycle is complete, giving detailed test cases, for the planned functions in the product this cycle, including regression testing to be certain functions from past cycles still are correct. The Test Plan and test cases are baselined. Completed INS and LOGD forms are complete and in the appropriate place.	