

7.3 PLANNING FOR SITE

The planning phase of system Integration Test and Evaluation involves organizing and preparing the necessary steps to ensure that all system components work together smoothly. This Phase include defining the scope of the tests, setting objectives, identifying resources and scheduling the tests. It include defining objectives, identifying scope , resource allocation, risk management, scheduling.



TEST AND EVALUATION MASTER PLAN (TEMP)

The TEMP is a high-level document that outline the overall strategy for testing and evaluation. Think of it as the blueprint for all testing activities.

IT includes:-

- ⇒Objectives: What you want to achieve with the tests.
- ⇒Scope: The boundaries and extent of testing.
- ⇒Resources: The People, tools ,and environments needed.
- ⇒Schedules: Timelines for when test will be conducted.
- ⇒Metrics: Criteria for measuring success.



SYSTEM INTEGRATION AND VERIFICATION PLAN SIVP

The SIVP is a more focused plan detailing how different system components will be integrated and test together.

It includes:

- ⇒ Integration Steps: The order in which components will be integrated.
- ⇒ Test Procedures: Specific steps for testing each integration phase.
- ⇒ Verification Methods: Techniques to ensure each components functions correctly with in system.



7.7 COMMON INTEGRATION AND TEST CHALLENGES AND ISSUES

1 DATA INTEGRITY

Challenge: Making sure the test results are accurate and reliable.

Issue: Unreliable results if the test setup is poor or testers aren't well-trained.

2 UNBIASED MEASUREMENTS

Challenge: Collecting data that's accurate.

Issue: Wrong decisions if the data is biased.

3 PRESERVING TEST DATA

Challenge: Keeping test data safe.

Issue: Can't prove the system works if data is lost.

4 AUTHENTICATING TEST DATA

Challenge: Verifying test data is valid.

Issue: People might not trust unverified data.

5 MANAGING MULTIPLE TESTERS

Challenge: Coordinating different teams.

Issue: Mistakes and wasted time if teams don't communicate well

