

Test Management Part 1

Test Inspections

[Review]

1. movie review
 2. home inspection
- ↓ ↓

"Reviewer"

~~preparatory~~
preparatory
training

"~~isp~~
checklists"

Objective



Objective

Plan and
participate in
various work
product
inspections

*test
deliverables*

System Tester Involvement in Inspections

| System testers should be involved in inspecting requirements documents during development

| System testers should also inspect their work products:

- Test plan ✓
- Test case ✓
- Test Incident Report ✓

Definitions

"Landig"

Pilots
FAA
✓
✓
✓
✓
✓

| An inspection is a
"formal statistical
process control
method for evaluating
documents and their
production"

discipline

data

| Inspections require:

- Advanced preparation ✓
- Utilization of rules and checklists
- Metrics gathering and analysis to facilitate process improvement

✓
✓
✓

Inspection Package

Test cases



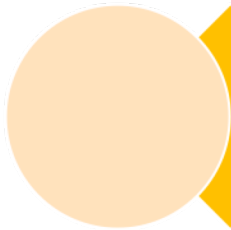
Work-product to be inspected



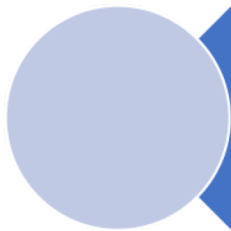
Req



Supporting documentation



Checklists



Inspection Agenda



Checklists

| "Job Aid" for
inspectors

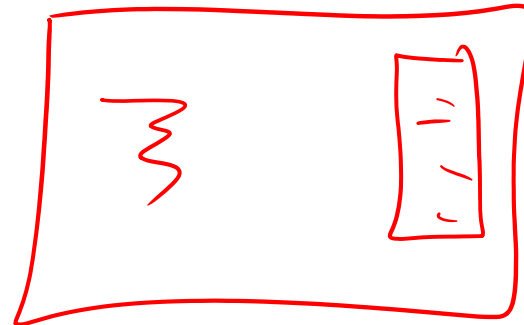


| Fundamental tool in
the inspection
process

| Guides the defect
detection process

| Customized by project
and document

| Available electronically



Testability Concerns

"code"

| Testers must
advocate for
testability features

| Testability implies
both visibility and
control

| Examples include:

- Diagnostics ✓
- Test points to view or modify data during execution ✓
- Ability to place the system into a given state ✓

Requirements Checklist

1. testability

2. Completeness

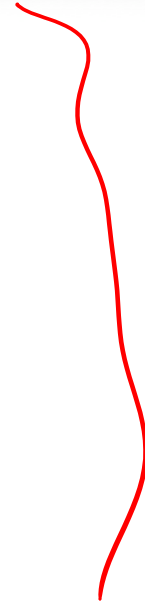
3. Correct

4. Consistent

5. clarity

6.

7.



✓

✓

✓

✓

✓

Test Plan Checklist

1. test objectives defined / den ✓

2. test strategy

3. reasonable schedule

4. test environment defined

5. test priorities identified

6. ↓ ↓

7.

Test Case Checklist

Bug documentation

1.

repeatable ✓

2.

defined inputs / expected results ✓

3.

environment / state ✓

4.

sequencing ✓

5.

↓

6.

↓

↓

7.

— well defined

Summary

