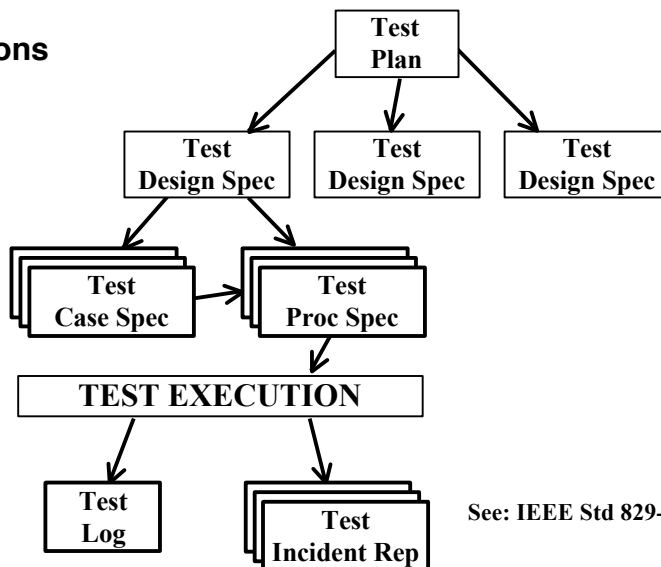


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**TESTING**  
**Overview**

**Test Documents**

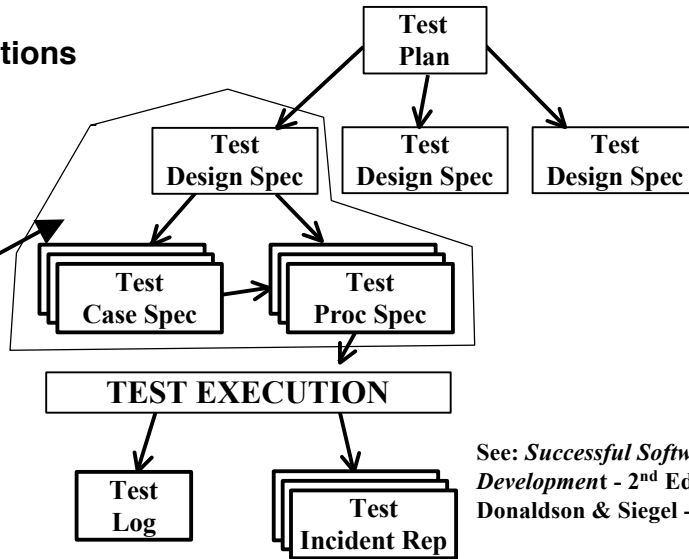
**Test Plans**  
**Test Specifications**  
**Test Reports**



See: IEEE Std 829-1998

**Test Plans**  
**Test Specifications**  
**Test Reports**

*Often combined into one document described simply as a TEST.*



See: *Successful Software Development - 2<sup>nd</sup> Edition*  
Donaldson & Siegel - 2000

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## Test plans prescribe

- Scope,
- Approach,
- Resources, and
- Schedule of testing activities.

## Test plans must identify

- Software items to be tested,
- *Features to be tested and not tested,*
- *Testing tasks to be performed, and*
- *Personnel responsible for each testing task*

*Don't forget to identify the assumptions, constraints and risks of plan*

See: IEEE Std 829-1998

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## Test specifications include

- Test Design Specification
- Test Case Specification
- Test Procedure Specification

## Test Design Specification

- Refines *approach* described in plan.
- Identifies *features* to be covered by design & associated tests.
- Identifies
  - *Test Cases*
  - *Test Procedures*
- Specifies *pass/fail criteria*.

## Test Case Specification

- Documents actual values used for input & corresponding anticipated outputs.
- Identifies constraints on test procedures resulting from the use of the specific test case.
- Test case specifications are kept separate from test design specifications to allow for re-use of test cases.

See: IEEE Std 829-1998

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## Test Procedure Specification

- Identifies all *steps* to operate the "system" and *exercise the specified test cases* in order to implement associated test design.
- Test procedure specifications are also *kept separate* from test design specifications
  - *Intended to be followed in step-wise fashion and should not contain extraneous detail.*

See: IEEE Std 829-1998

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## Test Log

- A chronological record of what occurred during test execution - *completed by test team*

## Test Incident Report

- *Describes any event that occurs during test execution that requires further investigation.*

## Test Summary Report

- *Summarises testing activities & events associated with one or more test design specifications.*
- *Describes results of testing, resolved & unresolved incidents.*
- *May describe test limitations & an estimate of failure risk.*

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## Test XX.ZZ

### Objective

### Title

### Notes

See: *Successful Software Development - 2<sup>nd</sup> Edition*  
Donaldson & Siegel - 2000

STEP	INPUT	PURPOSE	EXPECTED RESULT	COMMENTS

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