The purpose of test:

- Provide information to assure the quality of

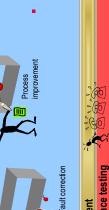
 - process (finding root causes) - decisions (quantifying risks) - the product (finding faults)



Software Testing at a Glance - or i

Test is comparing what is to what should be





DELTA

Vision / ideas / needs / e

Business goals

here

Start

WWW.DELTA.DK









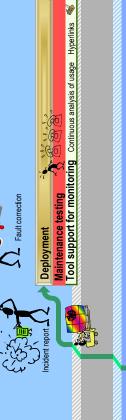








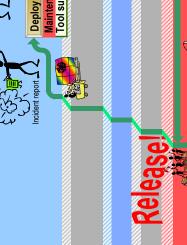


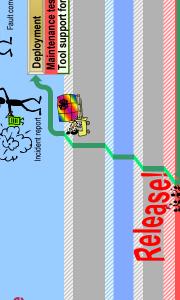


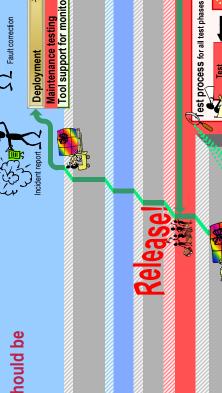






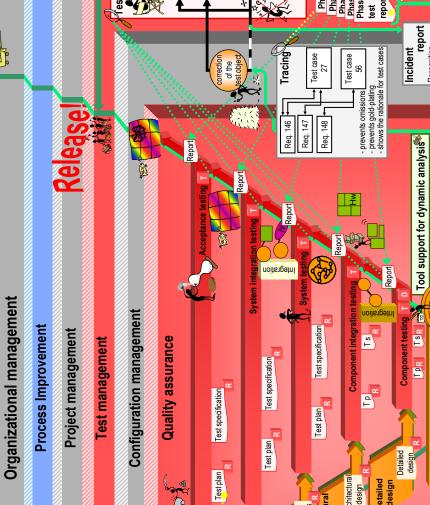








From test basis to test cases



- operational (OAT) - contractual (FAT) - alpha & beta

Platform Hardware Standards S S S S S Product quality requirements

Requirements tower

Overall test strategy

Environment requirements

Test phases

Overall test plan

Phase specific test strategy

×50

Be prepared - plan shape

Project plan

Test policy
- definition of test
- test process to use
- test evaluation
- quality level
- approach to
improvement

System integration

Test plan

1. Introduction

2. Test item(s)

3. Features to be tested

4. Features not to be

5. Approach

6. Item pass/fail criteria

7. Suspension criteria

7. Suspension criteria

8. Test deliverables

9. Testing tasks

10. Environmental needs

11. Responsibilities

11. Schedule

13. Schedule

14. Risks

Functional requirements

Component testing

Performance requirements Usability requirements Availability requirements Maintainability requirements

Test strategy
1. Entry & exit orteria
2. Test approach
3. Techniques to use
4. Completion criteria
5. Independence
6. Standards to use
7. Environment
7. Environment
9. Degree of reuse
10. Retest and
regression testing
11. Test process
12. Measures
13. Incident

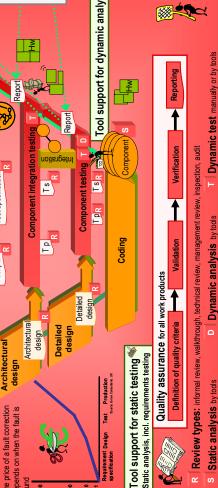
Tool support for Requirements management

Development models

C D I T

Sequential

Waterfall and V-models



Fest Specification

Tool support for test specification

Fest case design techniques

preparation Test oracles

Test design Test input data

A fool with a tool is still a fool

Test coverage

Test logs

Test conditions Test requirement



based on knowledge of **Belbin types**:

Test Roles
Test leader (manager)
Test leader (manager)
Test analyst / designer
Test executer
Reviewer / inspedor fr
Test environment responsible
(Test)bool responsible

Responsibility matr

The best (test)team is

Test Roles





Tool support

Recognition - Investigation - Action Change management Disposition



Tool support for

Rest planning and monitoring Management (of everything)

Triangle of test quality

Test could be ruled by prod + willingness to run risks

Paragrams (1975) Services (197

RAD, RUP or Agile

Conceive Design Implement Test + Correction

lisk exposure

Risk management

Risks hit in many places

Why do we work?

Communication is this is what!

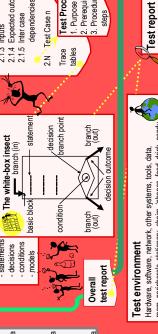
Poor Poor known code

c T T T T

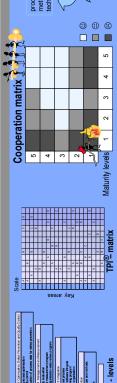
People oriented Coordinator Team-worker Ressource invest











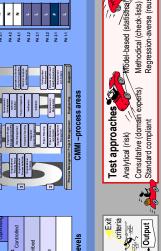


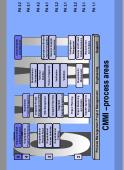






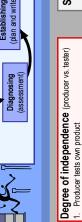








Process improvemer



other team members independent testers external testers

Test process improvement







