

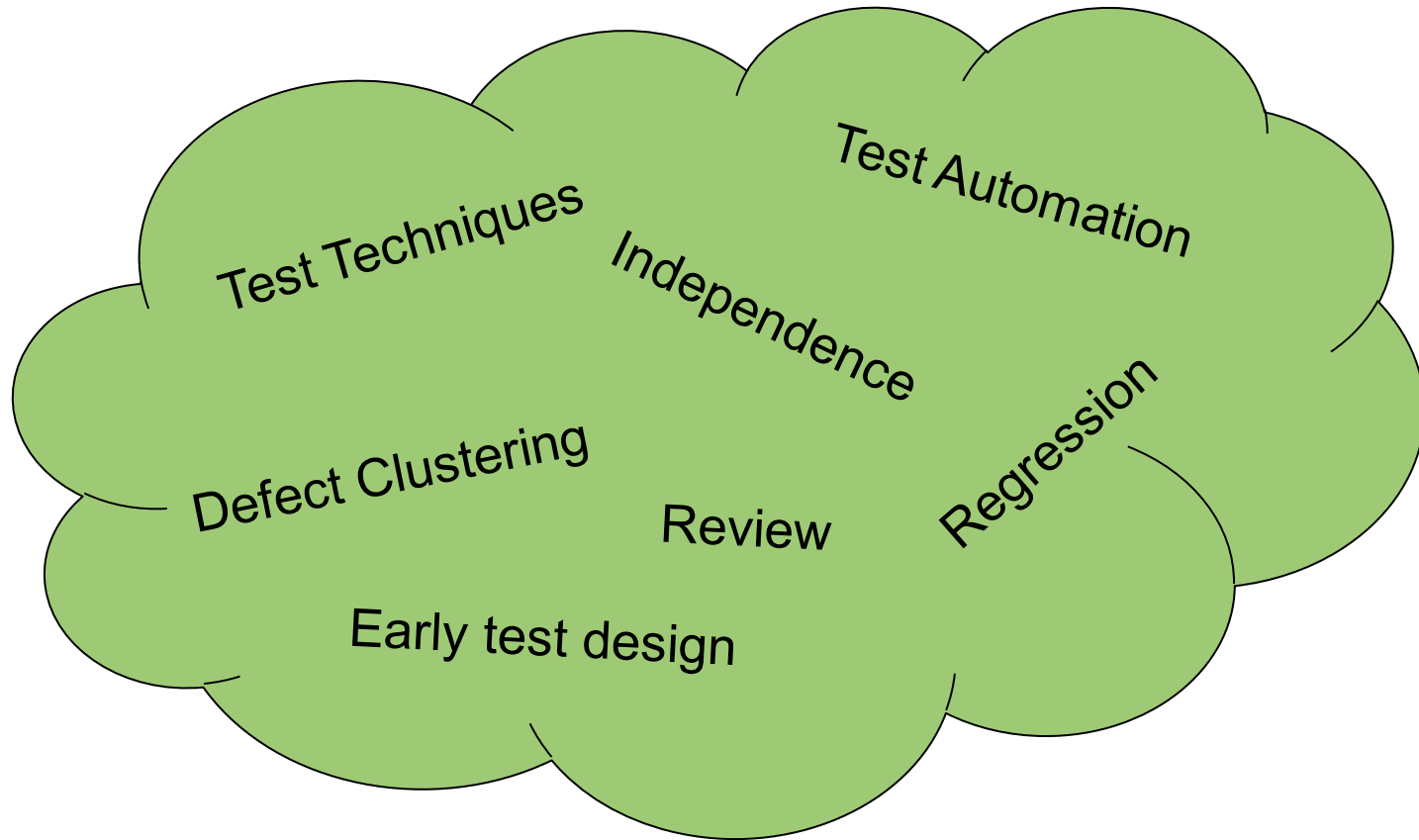


# Soft Factors within Testing

Improvement of test process and methods – a sub-optimization?

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# Introduction



**Today we know a lot about testing...!**

## ...but do we pay attention to all important areas?

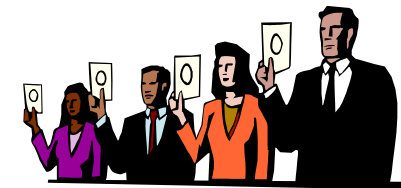
### ■ Test Process Improvement (TPI) – selected key areas

- 10: Office environment
  - Adequate and timely office environment
- 11: Commitment and motivation
  - Budget and time for testing, testing integrated in project
- 14: Communication
  - Internal and project communication about product and process quality



### ■ My experience

- Organizations are very rarely interested
- There are also “gaps” in TPI



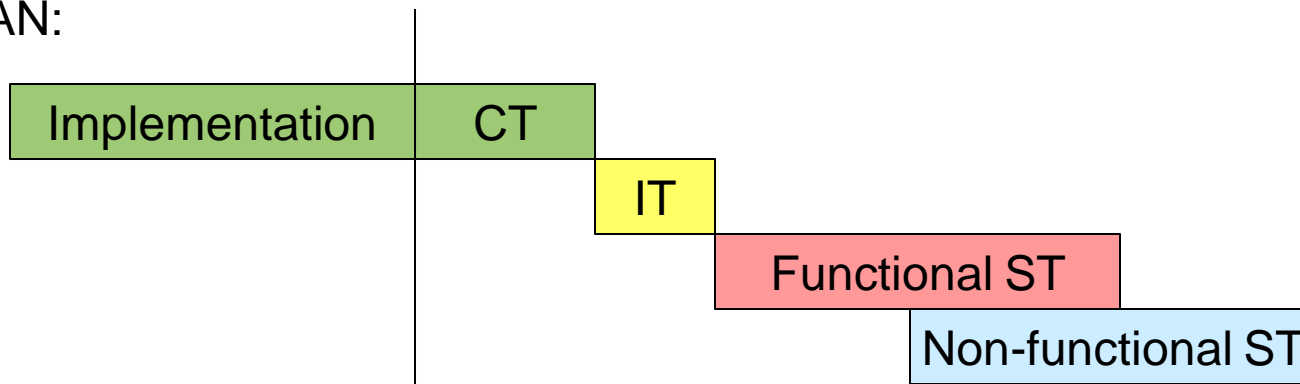
# This presentation

- Highlight some neglected areas
- Based on experience
- Good and bad examples and some lessons learned

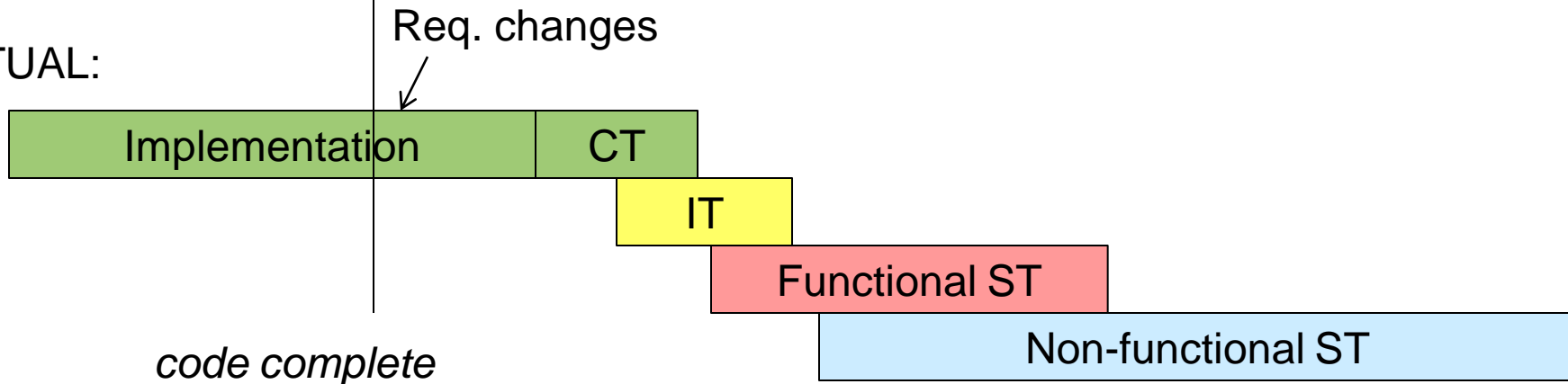


# Story 1: Counter-productive testing

PLAN:



ACTUAL:



# Know the purpose of your testing!

- Starting test execution without entry criteria satisfied?
  - Time was gained in function test
  - Time was lost in non-function test
- The purpose of your testing affects your room to act
  - The choice of test methods is affected!
- What can(not) testing do
- Common purposes of testing
  - Support quality – trigger defect corrections
  - Measure quality – are we ready for release
  - Increase confidence – show that the software works



## Story 2 & 3: Important to Know the Domain



# Know and Cooperate with Your Customers!

- Spend time with your customers
- Add users to your test team

**agDA**

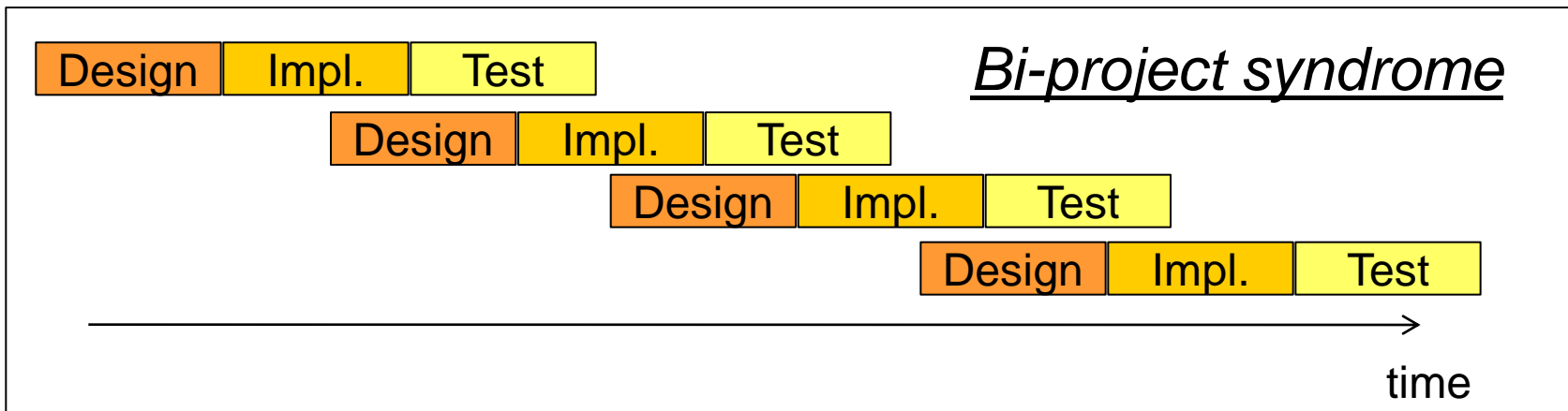
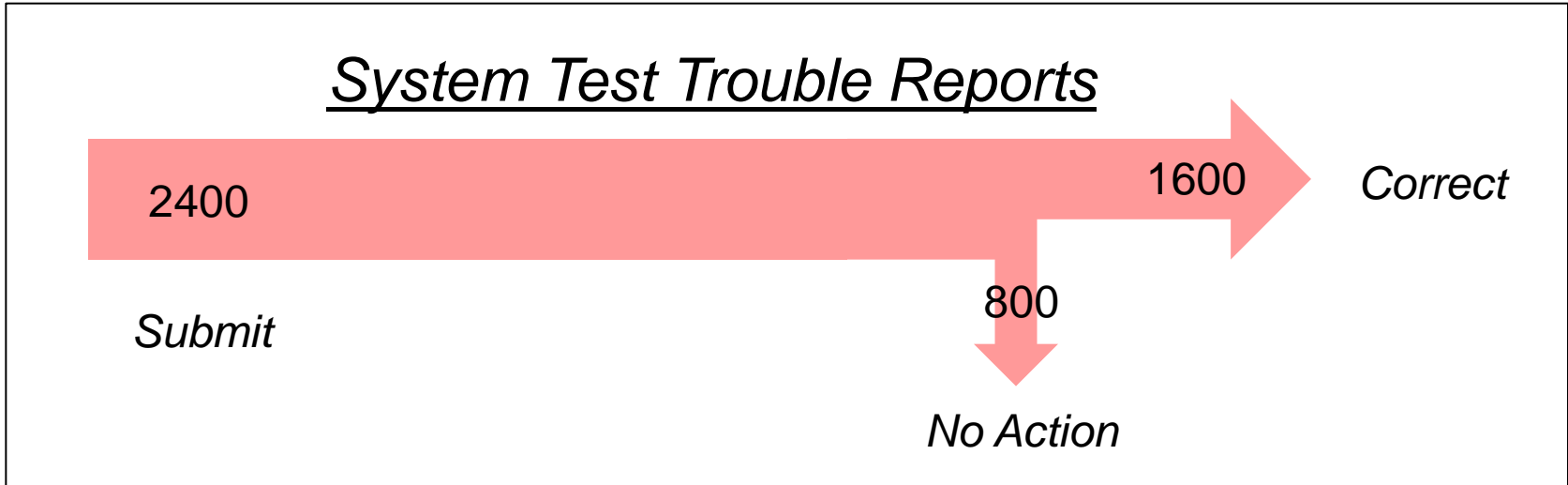
- Use your own products



Sony Ericsson



## Story 4 & 5: Information Exchange



# Make sure testers get information!

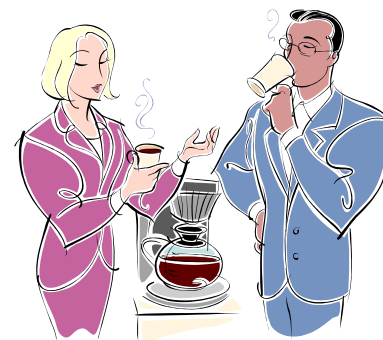
- Tools and processes must guarantee information exchange

- If you don't get invited, invite yourself!



- Encourage network building

- Mentorship
  - Informal competence groups
  - Photos and names
  - Coffee breaks!



- Off-shoring

- Extensive exchange – you need to spend time together

# Story 6: Attitude Towards Test vs. Tester's Life Expectancy

## ■ Manager at company 1:

- *"We employ people in system test so they can acquire information and then transfer to a better position"*

## ■ Company 2

- The "oldest" tester had been employed 6 months



## ■ Manager at company 3:

- *"We don't have any testers, if we need to test we make our developers test...."*

# Test organizations need experienced testers

## ■ Work on attitudes


- Educate management and other stakeholders
- Counting heads is too simple
- Encourage defect finding
- All should be welcome

## ■ Work on continuity

- Define career paths
- Plan projects so testers don't always have to sacrifice their vacations
- Fight negative stress
- Have fun!
- Make sure there are sufficient challenges
- Job rotation but within reason

Managers, ask your testers how many days per month they honestly like going to work





Happy 15th birthday  
SAST!