
Track Testing

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P r e s e n t a t i o n

F1

*International Conference On
Software Testing, Analysis & Review
November 19 - 23 Stockholm, Sweden*

Friday 23rd November, 2001



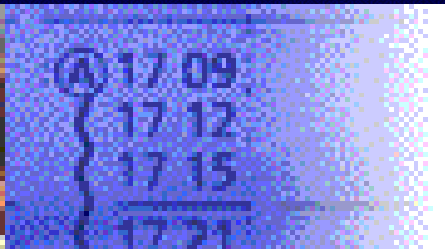
Eurostar

Tracktesting

HP Nijhof

24 November 2001

Time table



17:09
17:12
17:15
17:21

- Introduction
- Time Driven Implementation
- Testing the track
- Test automation and TDI
- Conclusion

Introduction

- Enterprise resource planning is a very common business solution nowadays
- Currently all major companies use at least one ERP package

The importance of ERP

- ERP is both a blessing and a curse, in that it provides you with a full business solution, but makes you fully dependant on one piece of software

Implementation SAP

There is so much possible, that choices need to be made :

Time Driven Implementation
(TDI)

TDI

Characteristic

- 'limited' time/budget (Time boxing)
- Not all business processes are available in standard SAP functionality

Characteristic SAP

Adjustments:

- Customizing
- Tailor work
- Conversion
- Interfaces

This means that the introduction
of risk testing is necessary

Overall Model

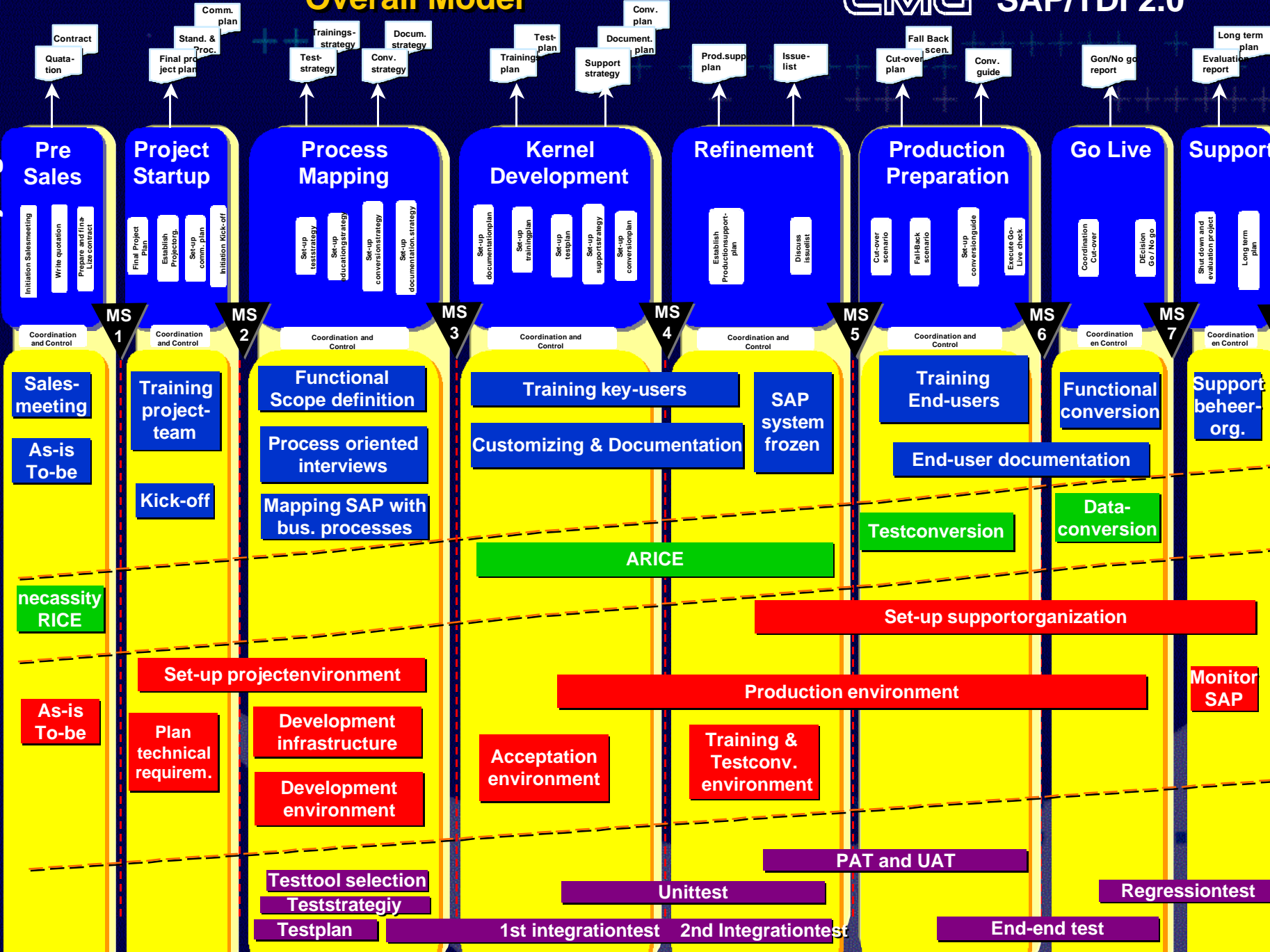
Proj.Mgt

Functional

Basic

Technical

Test



Time Driven Implementation method (TDI)



Testing the track

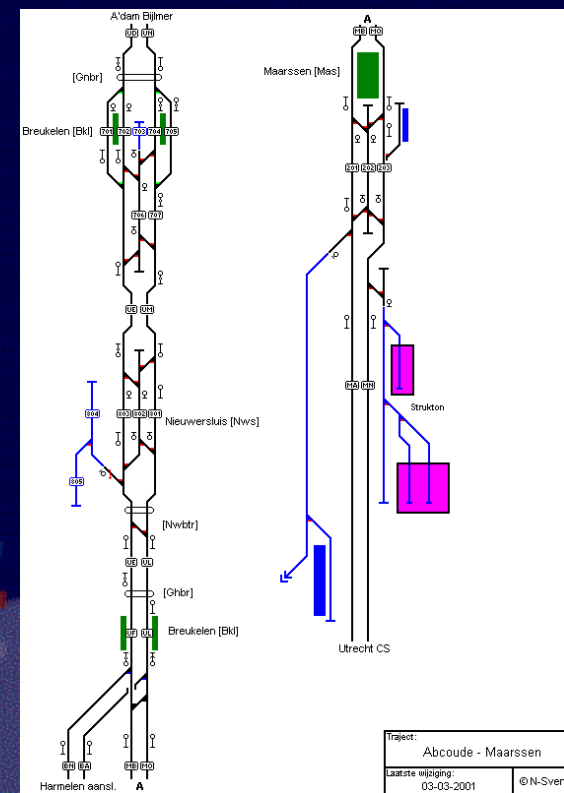
Process Mapping

Process mapping

The blueprint is developed

- Master Testplan
- Test Strategy

Testing the track



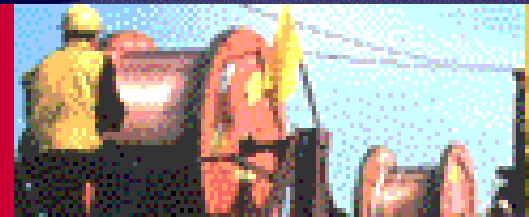
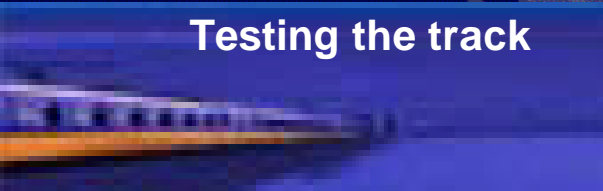
Kernel
Development

Kernel Development

Initial building phase

- System Test
- Integration Test
- Assessing progress building
- Assessing quality of building

Testing the track



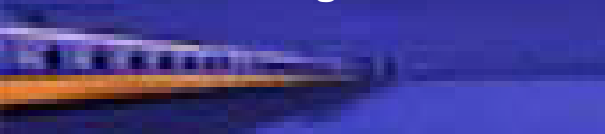
Refinement

Refinement

Finishing the building phase

- Implementing the functionality as allowed by budget and time

Testing the track



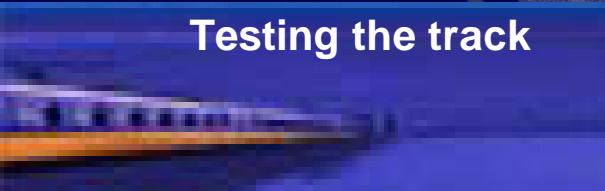
Production
Preparation

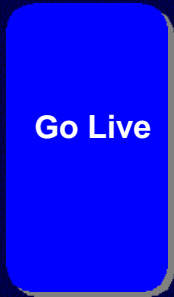
Production Preparation

Preparing for use

- User Acceptance Test (UAT)
- Production Acceptance Test (PAT)
- Conversion testing

Testing the track



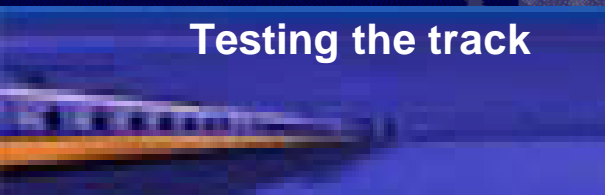


Go Live

Initial use

- Testing of business processes end-to-end

Testing the track



Support

Support phase

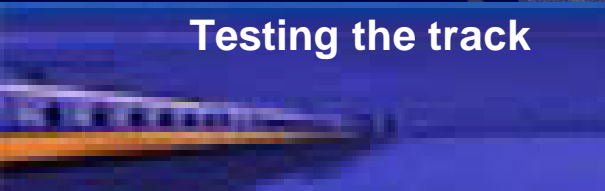
System maintenance

- Regression testing
- Testing of maintenance

Testing is an ongoing activity

CMG:Testcentre

Testing the track

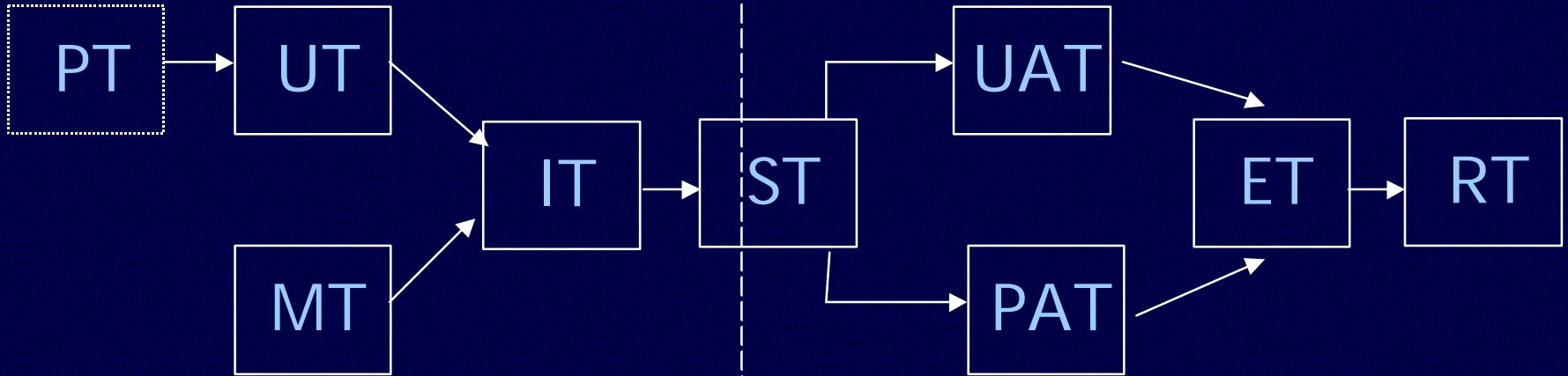


Project team

Users

organisation

ARICE components



Customising components



Test activities (test-team)



time

Split

Tried test techniques

- SOAP
- Strategically deciding of the scope (clustering)
- Joint Testware Development (JTD)

Test automation

- Experience with
 - WinRunner
 - QA-run
 - CATT
 - CMG SAP engine

Test automation

	Background	End-to-End	Main advantage
Winrunner	no	yes	Easy to use for other applications as well
QA Run	no	yes	Easy to use for other applications as well
CATT	yes	no	It's free and supported by SAP
CMG-SAP Engine	yes	yes	It combines the advantages of CATT with other tools

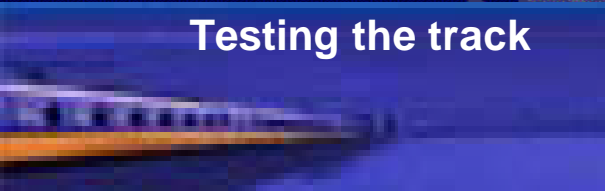
Conclusions

The testing of ERP is similar in general,
but different all the same

The testing of ERP is similar in general, but different all the same

- Time driven implementation forces fixed testing moments and periods
- The volume and complexity is enormous because: standard SAP needs to be tested as well

Testing the track



The testing of ERP is similar in general, but different all the same

- Testing also decides on the level of realisation for
 - completeness
 - the amount of functionality
- It covers the risk to the company, but also to the implementation track



Questions ?

Or email: HP.Nijhof@cmg.nl or
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Track Testing

Herman-Pieter Nijhof

Herman-Pieter Nijhof is a senior consultant with CMG software testing. He was involved from the start with the development of the SAP-Testing methodology and is the initiator for the SAP-engine module. Currently Herman-Pieter is co-ordinating the implementation of a central test team for European wide SAP-support with a major oil company. The gained experience of several such projects was combined into the Track testing methodology presented here and in part contributed to the birth of the TestCentre, allowing for out-sourced testing. Herman-Pieter is a member of the Software Testing Core team, responsible for and co-ordinating all of CMG's SAP-Testing developments. Examples to be expected in the near future are a new version for the SAP-Testing vision documentation and a newer version of the SAP-Engine tool.