Demo Model based test design

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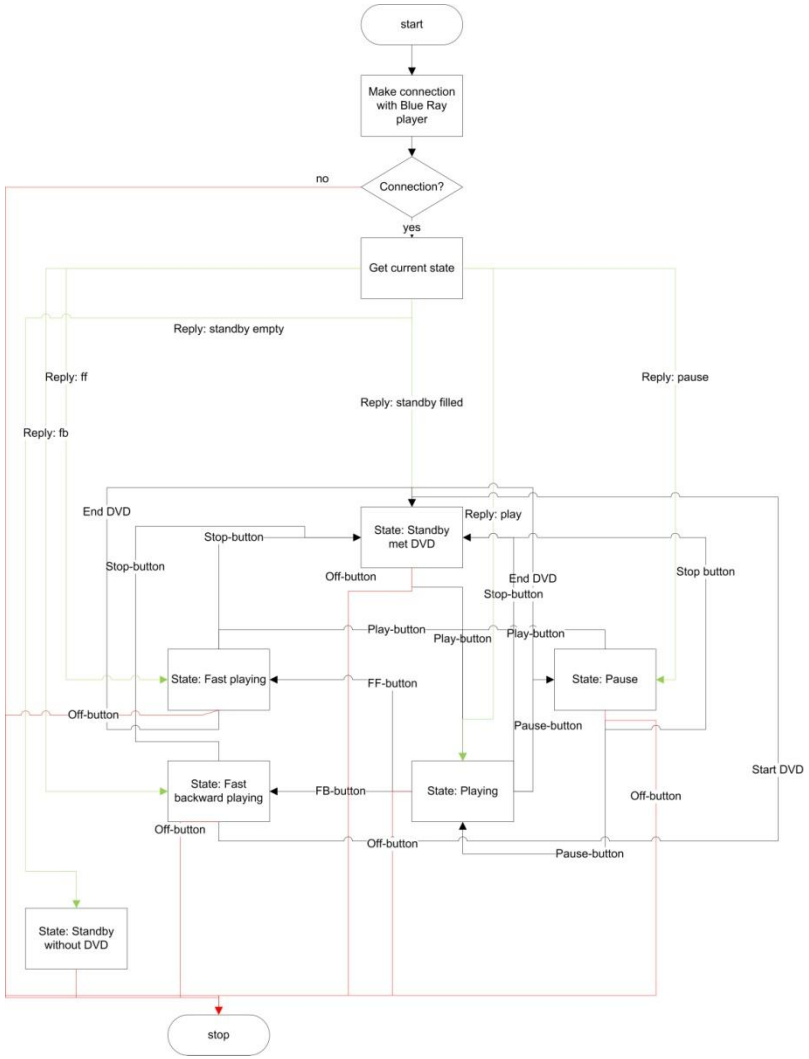
Blue ray player state diagram in Visio



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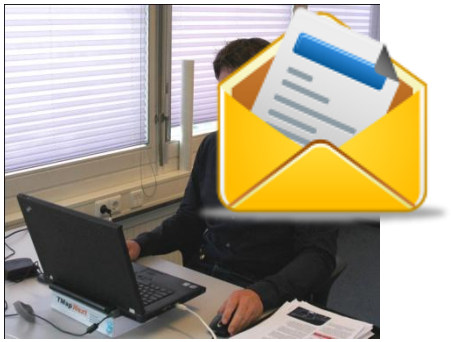
Create Test Cases from correct Model



- **Design Analyst asks for Test Cases**
  - Service Request – Test cases
  - TMap® PCT
  - Test level 2

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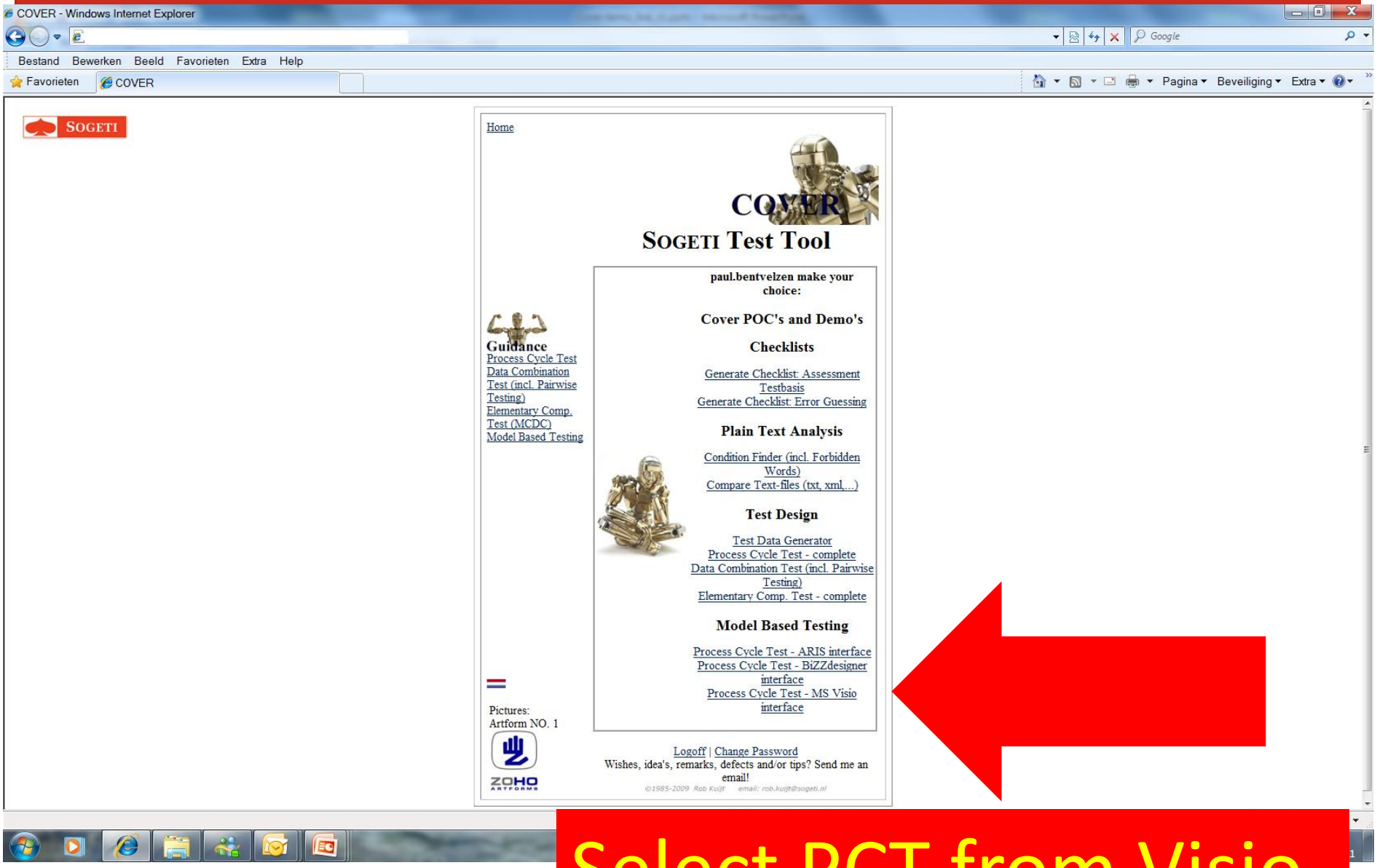
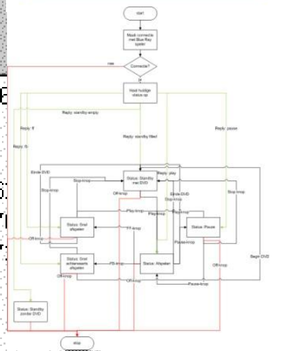

COVER - Windows Internet Explorer
Bestand Bewerken Beeld Favorieten Extra Help
Favorieten
COVER
Pagina
Beveiliging
Extra
SOGETI
Home
COVER
SOGETI Test Tool
paul.bentvelzen make your choice:
Cover POC's and Demo's
Checklists
Generate Checklist: Assessment Testbasis
Generate Checklist: Error Guessing
Plain Text Analysis
Condition Finder (incl. Forbidden Words)
Compare Text-files (txt, xml,...)
Test Design
Test Data Generator
Process Cycle Test - complete
Data Combination Test (incl. Pairwise Testing)
Elementary Comp. Test - complete
Model Based Testing
Process Cycle Test - ARIS interface
Process Cycle Test - BiZZdesigner interface
Process Cycle Test - MS Visio interface
Guidance
Process Cycle Test
Data Combination Test (incl. Pairwise Testing)
Elementary Comp. Test (MCDC)
Model Based Testing
Pictures:
Artform NO. 1
ZOHO
Logoff | Change Password
Wishes, idea's, remarks, defects and/or tips? Send me an email!
©1985-2009 Rob Kuijt email: rob.kuijt@sogeti.nl
Select PCT from Visio

Step [illegible]: [illegible] Email 2



"teltcp"

```
,1,8,
,1,42,6,15,16,55,16,56,16,57,15,17,58,16,70,8,
,1,42,6,61,8,
,1,42,7,8,
,1,42,66,55,17,59,15,17,64,15,18,60,15,62,15,65,15,71
,1,42,66,56,17,73,8,
,1,42,67,16,55,18,63,15,18,72,8,
,1,42,66,55,62,61,8,
,1,42,66,55,65,61,8,
,1,42,66,55,71,8,
,1,42,66,56,18,63,61,8,
,1,42,66,56,62,61,8,
,1,42,66,56,65,61,8,
,1,42,66,56,71,8,
,1,42,66,57,61,8,
,1,42,68,58,17,58,18,63,61,8,
,1,42,67,17,58,62,15,17,58,65,15,17,58,71,8,
,1,42,68,59,61,8,
,1,42,69,60,61,8,
,1,42,68,64,61,8,
,1,42,66,70,8,
,1,42,67,18,63,61,8,
,1,42,67,62,61,8,
,1,42,67,65,61,8,
,1,42,67,71,8,
,1,42,68,73,8,
,1,42,69,63,61,8,
,1,42,69,72,8,
```

```
<b>Input used:</b><br>
Decision [1]<br>
42,6<br>
42,7<br>
7,8<br>
42,66<br>
42,67<br>
42,68<br>
42,69<br>
<br>
Decision [2]<br>
1,8<br>
1,42<br>
<br>
Decision [3]<br>
6,15<br>
6,61<br>
61,8<br>
57,15<br>
57,61<br>
59,15<br>
59,61<br>
60,15<br>
60,61<br>
62,15<br>
62,61<br>
63,15<br>
63,61<br>
64,15<br>
```

```
7,8,
8,
61,8,
70,8,
71,8,
72,8,
73,8,
```

```
6,7,66,67,6
8,42
15,61
16,17,18,6
55,56,57,7
58,59,64,7
60,63,72
```

Create Test Cases from correct Model

- **Design Analyst asks for Test Cases**
  - Service Request – Test cases
  - TMap® PCT
  - Test level 1

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Timestamp and results

- 1 minute
- 26 Logical Testcases
- Test Paths
- TCP Metrics
- Coverage Report
- Import file for HP QC

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26 Logical Testcases

PTC Nr.	LTC	Actions	OK/Remarks
2.4.1 2.4.2 2.4.3 2.4.4 2.4.5 2.4.6 2.4.7			

PTC Nr.	LTC	Actions	OK/Remarks
2.3.1	2.3	start Make connection with Blue Ray player Connection? ->yes (1,2)	
2.3.2	2.3	Get current state ->Reply: pause (2,3)	
2.3.3	2.3	State: Pause ->Pause-button (3,21)	
2.3.4	2.3	State: Playing ->End DVD (21,8)	
2.3.5	2.3	State: Standby met DVD ->Off-button (8,28)	
2.3.6	2.3	stop (28,23)	

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Testpaths, Coverage, Metrics

Test Paths test depth level 2

LTC Nr.	Paths
TM2.1	1,23
TM2.2	1,2,7,23
TM2.3	1,2,3,21,8
TM2.4	1,2,3,19,8
TM2.5	1,2,5,27,1
TM2.6	1,2,6,13,1
TM2.7	1,2,4,9,14
TM2.8	1,2,4,17,1
TM2.9	1,2,4,16,1
TM2.10	1,2,8,14,1
TM2.11	1,2,4,18,1
TM2.12	1,2,8,14,1
TM2.13	1,2,8,14,1
TM2.14	1,2,8,14,1
TM2.15	1,2,8,14,1
TM2.16	1,2,8,14,1
TM2.17	1,2,3,22,2
TM2.18	1,2,5,15,8
TM2.19	1,2,8,14,1
TM2.20	1,2,5,24,2
TM2.21	1,2,4,26,1
TM2.22	1,2,3,23
TM2.23	1,2,4,23
TM2.24	1,2,5,23
TM2.25	1,2,6,23
TM2.26	1,2,6,25,2

Cross Reference test depth level 2

CrossRef 2 is OK!

	1,2	1,23	2,7	2,3	2,4	2,5	2,6	2,8	8,14	8,28	7,23	14,20	14,17	14,16	14,18	14,9	14,26
TM2.1		x															
TM2.2	x		x								x						
TM2.3	x			x													
TM2.4	x				x												
TM2.5	x					x											
TM2.6	x						x										
TM2.7	x							x									
TM2.8	x								x								
TM2.9	x									x							
TM2.10	x										x						
TM2.11	x											x					
TM2.12	x												x				
TM2.13	x													x			
TM2.14	x														x		
TM2.15	x															x	
TM2.16	x																x
TM2.17	x					x											
TM2.18	x			x													
TM2.19	x				x												
TM2.20	x					x											
TM2.21	x				x												x
TM2.22	x			x													
TM2.23	x				x												
TM2.24	x					x											
TM2.25	x						x										

Test Case Points (TCP) information

Decisions Points:	8
Decisions Points Value (average)*:	8x**3**=24
Flows (test depth level 2):	26

**)*

*A simple decision point with 1 singular condition represents a value of **1**.*
*An average decision point with 2-3 conditions represents a value of **3**.*
*A complex decision point with > 3 conditions represents a value of **5**.*
*It is important to keep in mind that the value of the parameter decision points is the sum of the value of all decision points. In case there is no information available about the complexity (amount of conditions) of a decision point you have to choose for an average decision point (value=**3**).*

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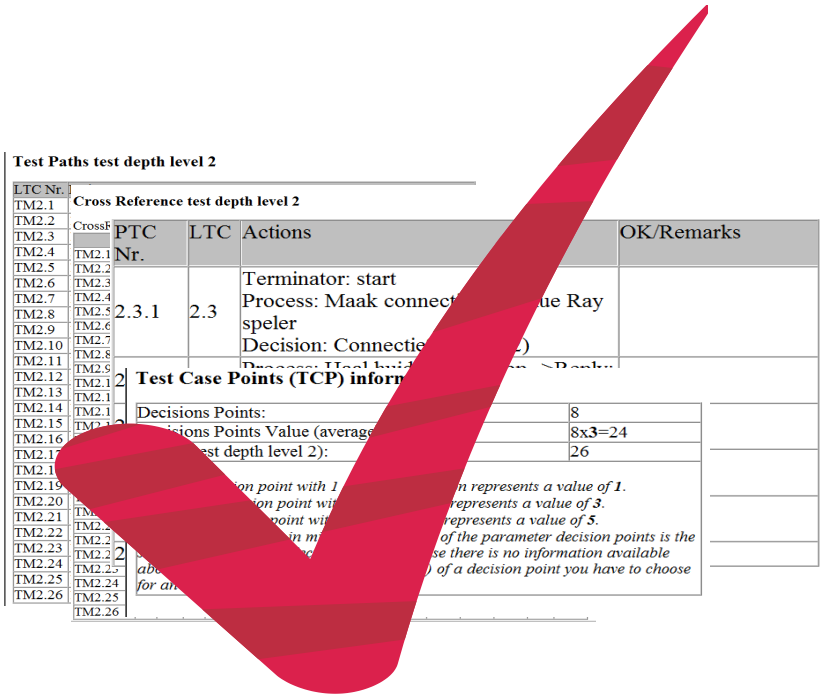
Test Team

- **Test Team receives testware**
  - Import in test management tool
  - Jump start on test process



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