Acceptance Test Plan
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Abstract

This document is the Acceptance Test Plan (ATP) of Group QIS. This project is part of the Software Engineering Project (2IP35) and is one of the assignments at Eindhoven University of Technology. The document complies with the ATP from the Software Engineering Standard, as set by the European Space Agency [1].

This document provides the main guidance for the Acceptance Test phase for the QIS application. It describes the environment needed to perform the acceptance test. When this environment is set up, all test cases must be executed according to their corresponding test procedures and a report needs to be written. If all tests pass, the acceptance test phase can be finished successfully.
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# Document Status Sheet

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Chapter 1

Introduction

1.1 Purpose

This document describes the plan for testing QIS against the user requirements as defined in the URD[5]. The purpose of this test is to make sure that QIS complies with the requirements in the URD[5]. Therefore this document needs to be agreed upon by the QIS developers and the Department of Mathematics and Computer Science at Eindhoven University of Technology. These tests should be executed in the Acceptance Test (AT) phase of QIS as described in the European Space Agency (ESA) software engineering standard[1].

1.2 Overview

Chapter[2] mentions the items to be tested and the general criteria for the AT phase. A specification for each test case is given in chapter[3]. The procedures for these test cases are explained in chapter[4]. In chapter[5] the reports for all test cases are presented.

1.3 List of definitions

| AT    | Acceptance Test |
| ESA   | European Space Agency |
| URD   | User Requirements Document |

1.4 List of references


Chapter 2

Test plan

2.1 Test items

The software to be tested is QIS. Information about the requirements on this system by the Departement of Mathematics and Computer Science at Eindhoven University of Technology can be found in the URD[5].

2.2 Features to be Tested

QIS must meet the requirements as stated in the URD[5].

2.3 Test deliverables

Before the testing starts the following documents must be delivered:

• SVVP[3]
• URD[5]
• ATP[4] (chapters 1, 2, 3 and 4)
• AT input data
• QIS

After completing the testing the following documents must be delivered:

• AT report (ATP[4] chapter 5)
• AT output data
• Problem reports (if any)
2.4 Testing tasks

Before any testing in the AT phase can take place the following tasks need to be done:

- Designing the acceptance tests.
- Tracing all test cases to user requirements and/or use cases.
- Creation of the AT input data.
- Ensuring that all environmental needs for the AT have been satisfied.

When these tasks have been done an AT can be performed according to the procedures described in chapter 4.

2.5 Environmental needs

To be able to perform the AT the following resources are needed:

- A computer connected to the internet running Internet Explorer 7 and Firefox 3.5.
- A server running QIS.

Check that the mailbox of n.sidorova@tue.nl is available and make sure that all email from QIS is marked as read.

The computer is assumed to be present, the server is assumed to be set up by the Bureau for Computer Facilities according to the installation procedure provided in the SUM[2]. The URL to access this server installation is known by people executing this ATP and is intended to be used when asked to navigate to QIS.

2.6 Test case pass/fail criteria

Every test describes the criteria that should be met to pass a specific test. An overall AT pass can only be achieved if all tests described in chapter 3 have been performed and passed.
Chapter 3

Test case specifications

3.1 Installation & preparation

We assume the environment is set up as specified in section 2.5.

3.2 Login & NT

ATR1 UCR1, 3, 4, 160, 162, 163

- Open Firefox and Internet Explorer and navigate to QIS.
- Using Firefox, log in with user name nsidorov and password wrongpassword.
- Using Internet Explorer, log in with user name nsidorov and the NT password of Natalia Sidorova.

Passing criteria

- Upon visiting the URL where QIS is hosted, a login screen is shown.
- Firefox shows an error that the password is wrong.
- Internet Explorer shows the employee overview of Natalia Sidorova.
- No further errors occurred.
ATR2

- Click Administrative.
- Click External connections.
- Click Disable.
- Log out of QIS by clicking logout on the menu bar.
- Click Log in again.
- Log in again with user name nsidorov and password doesnotmatter.

Passing criteria

- Log in should fail.
- One email should arrive shortly after the login attempt in the mailbox of n.sidorova@tue.nl, containing a password for user nsidorov.
- No further errors occurred.

ATR3

- Log in with user name nsidorov and the password of Natalia Sidorova, which was provided by email.

Passing criteria

- The employee overview of Natalia Sidorova is shown.
- No further errors occurred.
3.3 Add & edit administrative

ATR4  UCR165

- Click Administrative in the menu bar.
- Click add next to System years.
- Enter the following information:
  - Name: 2010-2011.
  - Begins: 2010-09-01.
  - Hours per fte: 1336.
- Click Save.
- Click >> in the top right corner.
- Click Courses.

Passing criteria
- The system year should be added successfully.
- In the top right should be noted 2010-2011.
- The course list in the new year should be empty.
- No further errors occurred.

ATR5  UCR13

- Click Administrative in the menu bar.
- Click System years.
- Click 2010-2011.
- Enter the following information:
  - Hours per fte: 1337.
- Click Save.

Passing criteria
- The list of system years should contain year 2010-2011.
- No further errors occurred.
• Click Administrative in the menu bar.
• Click Periods.
• Click Add period.
• Enter the following information:
  – Name: S2
• Click Save.
• Click S2.
• Enter the following information:
  – Name: S1
• Click Save.

Passing criteria

• The S1 period should be present in the periods overview.
• No further errors occurred.
• Click Administrative in the menu bar.
• Click Subperiods.
• Click Add subperiod.
• Enter the following information:
  – Name: Q2
  – Weeks: 12
  – Period: S1
• Click Save and add another.
• Enter the following information:
  – Name: Q3
  – Weeks: 12
  – Period: S1
• Click Save.
• Click Q3.
• Enter the following information:
  – Name: Q1
• Click Save.

Passing criteria
• The Q1 and Q2 subperiods should be present in the subperiods overview.
• No further errors occurred.
• Click **Administrative** in the menu bar.
• Click **Departments**.
• Click **Add department**.
• Enter the following information:
  – Name: **Innovation & Life science**
• Click **Save**.
• Click **Innovation & Life science**.
• Change the name to **Innovation & Life sciences**.
• Click **Save**.

**Passing criteria**
• The department **Innovation & Life sciences** should be present in the list of departments.
• No further errors occurred.

---

• Click **Administrative** in the menu bar.
• Click **Subdepartments**.
• Click **Add subdepartment**.
• Enter the following information:
  – Department: **Innovation & Life sciences**
  – Name: **Death sciences**
• Click **Save**.
• Click **Death sciences**.
• Enter the following information:
  – Name: **Life sciences**
• Click **Save**.

**Passing criteria**
• **Life sciences** should be in the list of subdepartments.
• No further errors occurred.
• Click Administrative on the menu bar.
• Click Rights.
• Click Add right.
• Select the following information:
  - Rightset: Mathematics Policy advisor
  - Employee: Sidorova, Natalia
  - VSDW object: Life sciences
  - MSDW object: Life sciences
  - MSDCI object: Life sciences
• Click Save.

Passing criteria
• Sidorova, Natalia should have at least the Mathematics Policy Advisor rightset with MSDW and VSDW objects Life sciences.
• No further errors occurred.
• Click Administrative in the menu bar.
• Click Expertise groups.
• Click Add expertise group.
• Enter the following information:
  – Subdepartment: Life sciences
  – Name: Sihgt
• Click Save.
• Click Sihgt.
• Enter the following information:
  – Name: Sight
• Click Save.

Passing criteria
• Sight should be in the list of expertise groups.
• No further errors occurred.
3.4 Add & edit employees & employments, initial users

- Click Employees on the menu bar.
- Click Add employee on the top right, just below the menu bar.
- Enter the following information:
  - First name: Stevie
  - Last name: Miracle
  - Email: n.sidorova@tue.nl
  - User name: swonder
  - Expertise group: Sight
  - FTE: 1.0
  - Starts: 2009-01-01
  - Education ratio: 0.1
  - Research ratio: 0.2
  - Management ratio: 0.7
- For Ends, click the calendar icon and choose the 1st of March, 2012.
- Click the little green cross next to Position.
- Enter the following information:
  - Name: hgl
- Click Save.
- Click Save.
- Locate the employee Miracle, Stevie in the employee overview that shows up and click the little pencil on that row.
- Change Last name to Wonder.
- Click Save

Passing criteria
- All data shown in the employee overview on the row of Stevie Wonder should match the data entered, with the edited last name: Wonder.
- The hours available to Stevie Wonder for other tasks should be 0.
- No further errors occurred.
• Use the above test procedure, except changing the last name, to add another employee with
the following information:
  – First name: Geert
  – Last name: Wilders
  – Email: n.sidorova@tue.nl
  – User name: gwilders
  – Expertise group: Sight
  – Position: aio
  – FTE: 2.0
  – Education ratio: 0.0
  – Research ratio: 0.8
  – Management ratio: 0.2
  but leave Start and End empty.
• Use the test procedure above to change the Research ratio to 0.7, the Management ratio
to 0 and FTE to 1.0.

Passing criteria
• All data shown in the employee overview on the row of Geert Wilders should match the
data entered and changed.
• The hours available to Geert Wilders for other tasks should be 401.
• No further errors occurred.

• Click Administrative in the menu bar.
• Click Right sets

Passing criteria
• All right sets should match the according table rows from table 2.1 in the urd[5].
• No further errors occurred.
ATR15

- Click Administrative on the menu bar.
- Click Rights.
- Click Add right.
- Select the following information:
  - Rightset: Computer science policy advisor
  - Employee: Wilders, Geert
  - VSDW object: Life sciences
- Click Save.
- Locate the row with Wilders, Geert and Computer science policy advisor and click Wilders, Geert in it.
- Click Delete and confirm.
- Add another right using the procedure above, except the deletion, with the following information:
  - Rightset: Head of expertise group
  - Employee: Wonder, Stevie
  - VEGW object: Sight

Passing criteria

- Wilders, Geert should have the Employee rightset.
- Wonder, Stevie should have the Employee and the Head of expertise group rightset with VEGW object Sight.
- No further errors occurred.

ATR16

- Using Firefox, log in with username swonder and password doesnotmatter.

Passing criteria

- An email should arrive soon with a password for the swonder account.
- No further errors occurred.
3.5 Add & edit education types, protection against url hacking

- Using Internet Explorer, click *Administrative* in the menu bar.
- Click the + *add* next to Education types.
- Enter the following information:
  - Subdepartment: *Life sciences*
  - Name: *College*
- Copy the url of the page to the clipboard.
- Click *Save*.
- Using Firefox, visit the url copied to the clipboard.
- Using Internet Explorer, locate *College* in the list that is showing up and click it.
- Change the *Name* to *Video college* and save.

**Passing criteria**

- In Firefox, a 403 or *Permission denied* error should have occurred.
- In Internet Explorer, the education type *Video college* should be in the education types list.
- No further errors occurred.
3.6 Add & edit study phases

- Click *Administrative* in the menu bar.
- Click the *+ add* next to Study phases.
- Enter the following information:
  - Name: *Bachelor*
- Click *Save*.
- In the list of study phases, click *Bachelor*.
- Change the name of the study phase to *Bachelor*.
- Click *Save*.

**Passing criteria**

- The study phase *Bachelor* should be in the list of study phases.
- No further errors occurred.
3.7 Add & edit study programs & target groups

**ATR19**

- Click *Programs* in the menu bar.
- Click *Add study program*.
- Enter the following information.
  - Name: *Innovations*
- Click *Save*.
- Click the little pencil on the row of *Innovations*.
- Enter the following information.
  - Name: *Innovation*
- Click *Save*.

**Passing criteria**

- *Innovation* should be in the list of study programs.
- No further errors occurred.

**ATR20**

- Click the little green cross on the row of *Innovation*
- Click the little green cross next to *Name*
- Enter the following information:
  - Name: *Year 1*
- Click *Save*.
- Enter the following information:
  - Study program: *Innovation*
- Click *Save*.
- Click the little grey arrow on the row of *Innovation*

**Passing criteria**

- *Year 1* should be in the list of target groups.
- No further errors occurred.
3.8 Add & edit courses & course instances

- Click Courses in the menu bar.
- Click Add course.
- Enter the following information:
  - Code: 2DB45
  - Name: Statistics 2
  - Given by: Life sciences
  - Description: A course about regression models and stuff
  - Credits: 3
- Click Save.
- Locate the course Statistics 2 in the course overview that shows up and click the little pencil on that row.
- Change Name to Statistics for dummies.
- Click Save.

Passing criteria

- The code and name in the course overview on the row of Statistics for dummies should match the data entered and edited.
- The Periods, Responsible and Assigned hours columns should be empty.
- No further errors occurred.
• Locate the course *Statistics for dummies* in the course overview and click the green cross with name 'Add course instance' in that row.

• Add a course instance with the following information:
  – Responsible employee(s): *Wonder, Stevie*
  – Subperiods: *Q1, Q2*
  – Study phase: *Bachelor*

• Click Save.

• Locate the course instance of *Statistics for dummies* in subperiods *Q1, Q2* and click the little pencil in the periods column.

• Change subperiods and select only *Q1*.

• Click Save.

**Passing criteria**

• The course overview on the row of *Statistics for dummies* should match the data entered and changed.

• No further errors occurred.

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**ATR23**

• Click *Add course* and enter the following information:
  – Code: *8C030*
  – Name: *Molecular simulations*
  – Given by: *Life sciences*
  – Credits: *6*

• Click Save.

• Edit the course *Molecular simulations* and change *Credits* to *5*.

**Passing criteria**

• The courses list should contain the course *Molecular simulations* and its data should match the data given.

• No further errors occurred.
3.9 Add course instance to a target group

- Click Programs in the menu bar.
- Click the little grey arrow on the row of Innovation.
- Click the little pencil next to Year 1.
- Select the course instance Statistics for Dummies(Q1) in the available course instances list.
- Click the rightarrow next to the list.
- Click Save.
- Click Expand study programs and Expand course instances.

Passing criteria

- The course instance Statistics for Dummies should be added to the courses given to this target group.
- No further errors occurred.
3.10 Add & edit education instances

ATR25

UCR23, 25, 26, 29

- Click Courses in the menu bar.
- Locate the course Statistics for dummies in the course overview and click the little green cross in the Periods column with the name Add task.
- Enter the following information:
  - Education type: Video college
  - Subperiods: Q1, Q2
  - Number of employees to be assigned: 2
  - Weekly hours: 14
- Click Save.
- Locate the course Statistics for dummies in the course overview and click the little grey arrow in the Periods column with the name View tasks.
- Click the little pencil in the row that just showed up.
- Change Number of employees to be assigned to 3 and Weekly hours to 21.
- Click Save.
- Click Expand course instances.

Passing criteria

- The course Statistics for dummies should have an education task, containing the data entered.
- No further errors occurred.
3.11 Add & edit tasks & leaves

- Click Tasks in the menu bar.
- Click Add task.
- Enter the following information:
  - Name: Write conference paper
  - Subdepartment: Life sciences
  - Type: Research project
  - Description: The hours for this task include research, writing and reviewing hours.
  - Hours: 200
- Click Save.
- Locate the task Write conference paper in the task overview and click the little pencil in that row.
- Change the following information:
  - Hours: 250
- Click Save.

**Passing criteria**

- Write conference paper in the task overview should match the data entered and changed.
- No further errors occurred.
• Click Add task.
• Enter the following information:
  – Name: *Head of Sight*
  – Subdepartment: *Life sciences*
  – Type: *Management project*
  – Description: *Being the head of expertise group Sight.*
  – Hours: 300
• Click Save.
• Locate the task *Head of Sight* in the task overview and click the little pencil in that row.
• Change the Hours to 400.
• Click Save.

**Passing criteria**

• The task with name *Head of Sight* in the task overview should match the data entered and changed.
• No further errors occurred.
• Click Add task.

• Enter the following information:
  – Name: Presentation Training
  – Subdepartment: Life sciences
  – Type: Other task
  – Description: Part of the bi-yearly employee training.
  – Hours: 20

• Click Save.

• Locate the task Presentation Training in the task overview and click the little pencil in that row.

• Change Hours to 30.

• Click Save.

Passing criteria

• The task with name Presentation Training in the task overview should match the data entered and changed.

• No further errors occurred.
• Click Add task.

• Enter the following information:
  – Name: Pregnancy leave
  – Subdepartment: Life sciences
  – Type: Leave
  – Hours: 500

• Click Save.

• Locate the task Pregnancy Leave in the task overview and click the little pencil in that row.

• Change Hours to 400

• Click Save.

Passing criteria

• The task with name Pregnancy Leave in the task overview should match the data entered and changed.

• No further errors occurred.
• Click Add task.

• Enter the following information:
  – Name: Workshop “Line of Sight”
  – Subdepartment: Life sciences
  – Type: Education Project
  – Description: Part of the bi-yearly employee training.
  – Hours: 20

• Click Save.

• Locate the task Workshop “Line of Sight” in the task overview and click the little pencil in that row.

• Change Hours to 30.

• Click Save.

**Passing criteria**

• The task with name Workshop “Line of Sight” in the task overview match the data entered and changed.

• No further errors occurred.
3.12 Add & edit assignments for tasks & leaves

- Locate the task Workshop “Line of Sight” in the task overview and click the little green cross in the Assignments column with the name Add assignment.

- Enter the following information:
  - Employment: Wonder, Stevie
  - Hours: 7
  - Share: 0.1

- Click Save.

- Locate the task Workshop “Line of Sight” in the task overview and click the grey arrow in the Assignments column.

- Click the little pencil in the row that just showed up.

- Change Hours to 2.

- Click Save.

- Locate the task Workshop “Line of Sight” in the task overview and click the grey arrow in the Assignments column.

Passing criteria

- The task Workshop “Line of Sight” has an assignment as entered.

- No further errors occurred.
• Locate the task *Write conference paper* in the task overview and click the little green cross in the *Assignments* column with the name 'Add assignment'.

• Enter the following information:
  – Employment: *Wonder, Stevie*
  – Hours: 125
  – Share: 0.7

• Click Save.

• Locate the task *Write conference paper* in the task overview and click the little grey arrow in the *Assignments* column next to it.

• Click the little pencil in the row that just showed up.

• Change *Share* to 0.5.

• Click Save.

• Locate the task *Write Conference paper* in the task overview and click the grey arrow in the *Assignments* column.

**Passing criteria**

• The task *Write conference paper* has an assignment as entered.

• No further errors occurred.
• Locate the task *Head of Sight* in the task overview and click the little green cross in the *Assignments* column with the name *Add assignment*.

• Enter the following information:
  – Employment: *Wonder, Stevie*
  – Hours: 40
  – Share: 0.6

• Click *Save*.

• Locate the task *Head of Sight* in the task overview and click the little grey arrow in the *Assignments* column next to that task.

• Click the little pencil in the *Assignments* column which just showed up.

• Change *Share* to 0.1.

• Click *Save*.

• Locate the task *Head of Sight* in the task overview and click the grey arrow in the *Assignments* column.

**Passing criteria**

• The task *Head of Sight* has an assignment as entered.

• No further errors occurred.
• Locate the task *Presentation Training* in the task overview and click the little green cross in the *Assignments* column with the name *Add assignment*.

• Enter the following information:
  – Employment: *Wilders, Geert*
  – Hours: 30
  – Share: 0.6

• Click Save.

• Locate the task *Presentation Training* in the task overview and click the little grey arrow in the *Assignments* column next to it.

• Click the little pencil in the *Assignment* column which just showed up.

• Change *Share* to 1.0.

• Click Save.

• Locate the task *Presentation training* in the task overview and click the grey arrow in the *Assignments* column.

**Passing criteria**

• The task *Presentation training* has an assignment as entered.

• No further errors occurred.
• Locate the task *Pregnancy leave* in the task overview and click the little green cross in the Assignments column with the name *Add assignment*.

• Enter the following information:
  – Employment: *Wonder, Stevie*
  – Hours: 200

• Click *Save*.

• Locate the task *Pregnancy leave* in the task overview and click the little grey arrow in the Assignments column next to that task.

• Click the little pencil in the Assignments column which just showed up.

• Change the *Hours* to 400.

• Click *Save*.

• Locate the task *Pregnancy leave* in the task overview and click the grey arrow in the Assignments column.

**Passing criteria**

• The task *Pregnancy leave* has an assignment as entered.

• No further errors occurred.

### 3.13 Notifications & provisional versions

• Using Firefox, visit the URL where QIS is located.

• Click *Edit details*.

• Uncheck *Receive notifications on my own workload*.

• Check *Receive notifications on workload of my expertise group*.

• Click *Save*.

**Passing criteria**

• No further errors occurred.
• Using Firefox, click » in the menu bar.
• Click Courses in both Internet Explorer and Firefox.

Passing criteria
• In Firefox, there is no course instance scheduled for the course *Statistics for dummies*.
• In Internet Explorer, there is a course instance scheduled for the course *Statistics for dummies*.
• No further errors occurred.

• Using Internet Explorer, click Courses definitive and confirm.
• Using Firefox, click Courses.

Passing criteria
• Both Internet Explorer and Firefox show the same data for the course *Statistics for dummies*.
• An email should have arrived at n.sidorova@tue.nl. Addressed to Stevie Wonder, containing the note that something has changed and the date of the test.
• No further errors occurred.
• Locate the course *Statistics for dummies* in the course overview and click the little grey arrow in the *Periods* column.

• Click the little green cross with the name *Assign employee* on the row of *Video college*.

• Enter the following information:
  – Employment: *Wilders, Geert*
  – Hours: 7
  – Share: 0.33

• Click *Save*.

• Click *Expand course instances* and click *Expand tasks*.

• Locate the course *Statistics for dummies* in the course overview.

• Locate the assignment of *Wilders, Geert* and click the little pencil in that row.

• Change the hours to 11 and the share to 0.5.

• Click *Save*.

• Click *Expand course instances* and click *Expand tasks*.

**Passing criteria**

• The Assigned hours for the course is equal to 11.

• The assignment of *Geert Wilders* is located below the education task he was assigned to with all the entered information, including the edited hours and share.

• No further errors occurred.

• Using Internet Explorer, click *Employees* and click the magnifying glass on the row of *Stevie Wonder*.

• Using Firefox, click the QIS logo.

**Passing criteria**

• In Firefox, no leave or task is assigned.

• In Internet Explorer, an education project, a research task, a management task and a leave are assigned.

• No further errors occurred.
ATR41  UCR40, 41, 120, 121, 122

- Click **Tasks**
- Click **Assignments definitive** and confirm.
- Using Firefox, press F5.

**Passing criteria**
- Both Internet Explorer and Firefox show an education project, a research task, a management task and a leave.
- Two emails have arrived at n.sidorova@tue.nl, addressed to Stevie Wonder and Geert Wilders, containing the note that something has changed and the date of the test.
- No further errors occurred.

3.14 **Automatic research hours**

ATR42  UCR85

- Click **Employees**.
- Click the little grey arrow next to **Wonder, Stevie**
- Click **Fill research hours**

**Passing criteria**
- Stevie Wonder should have an assignment to **Write conference paper** for 895 hours.
- No further errors occurred.

3.15 **Reports**

ATR43  UCR51

- Click the QIS logo.

**Passing criteria**
- A report as specified in SCR37 should be shown. It should not contain any assignments.
- No further errors occurred.
• Click Reports in the menu bar.
• In the Report Overview, click view next to the report Workload for all employees of a subdepartment of subdepartment Life sciences.
• Use the browsers printing functionality to print the page.

Passing criteria
• A report as specified in SCR88 should be shown for subdepartment Life sciences.
• Stevie Wonder should have 1337 hours in his employment, of which 400 should be for a Pregnancy leave.
• Stevie Wonder should have the following assignments:
  Education 2 Workshop “Line of Sight”
  Research 895 Write conference paper
  Management 40 Head of Sight
  • Geert Wilders should have 1337 hours in his employment.
  • Geert Wilders should have the following assignments:
  Education 30 Presentation training
  Education 11 Video college
  • The browser should have offered the report to be printed.
  • No further errors occurred.

• Click Reports in the menu bar.
• In the Report Overview, click view, next to the report Workload for all employees of an expertise group of expertise group Sight.

Passing criteria
• A report as specified in SCR101 is shown for expertise group Sight.
• No further errors occurred.
• Click Reports in the menu bar.
• In the Report Overview, select Geert Wilders in the combo box next to the report Workload for a single employee of an expertise group of expertise group Sight.
• In the Report Overview, click view, next to the report Workload for a single employee of an expertise group of expertise group Sight.

Passing criteria
• A report as specified in SCR37 is shown for employee Geert Wilders.
• No further errors occurred.

• Click Reports in the menu bar.
• In the Report Overview, click view, next to the report Tasks related to course instances of an expertise group of expertise group Sight.

Passing criteria
• A report as specified in SCR102 is shown for expertise group Sight.
• The course Statistics for dummies should have one assignment, to Geert Wilders.
• No further errors occurred.

• Click Reports in the menu bar.
• In the Report Overview, click view, next to the report Tasks related to course instances of an subdepartment for subdepartment Life Sciences.

Passing criteria
• A report as specified in SCR102 is shown for subdepartment Life sciences.
• No further errors occurred.
• Click Reports in the menu bar.

• In the Report Overview, click view, next to the report Capacity for a subdepartment of subdepartment Life sciences.

Passing criteria

• A report as specified in SCR95 is shown for subdepartment Life sciences.

• No further errors occurred.

• Click Reports in the menu bar.

• In the Report Overview, select Geert Wilders in the combo box next to the report Workload for a single employee of subdepartment Life sciences.

• In the Report Overview, click view, next to the report Single Employee of subdepartment Life sciences.

Passing criteria

• A report as specified in SCR37 is shown for employee Geert Wilders.

• All calculated values in specified report are shown with their calculations.

• No further errors occurred.
Click Reports in the menu bar.

In the Report Overview, click view, next to the report Budget for a subdepartment of subdepartment Life sciences.

Click Export as CSV.

**Passing criteria**

- The report has been shown to the user in CSV format or the browser should have offered it for download.

- A report as specified in SCR92 is shown for subdepartment Life sciences.

- The planned hours in education tasks for aio, Bachelor equals 11.

- The planned hours in other for aio equals 30.

- The planned hours in education projects for hgl equals 2.

- The planned hours in research for hgl equals 895.

- The planned hours in management for hgl equals 40.

- No further errors occurred.

Click Reports in the menu bar.

In the Report Overview, click view, next to the report Research hours for a subdepartment of subdepartment Life sciences.

**Passing criteria**

- A report as specified in SCR93 is shown for subdepartment Life sciences.

- Stevie Wonder should have the following assignment:

  Research 895 Write conference paper.

- No further errors occurred.
• Click Reports in the menu bar.
• In the Report Overview, click view, next to the report Management hours for a subdepartment Life sciences.

Passing criteria
• A report as specified in SCR94 is shown for subdepartment Life sciences.
• Stevie Wonder has the following assignment:
  Management 40 Head of Sight.
• No further errors occurred.

• Click Reports in the menu bar.
• In the Report Overview, select Video college in the combo box next to the report Course instances and assigned employees for an education type of subdepartment Life sciences.
• In the Report Overview, click view, next to the report Course instances and assigned employees for an education type of subdepartment Life sciences.

Passing criteria
• A report as specified in SCR58 is shown for subdepartment Life sciences.
• The only assigned employee for Statistics for Dummies is Geert Wilders.
• No further errors occurred.
3.16 Copy information between system years

- Click Administrative in the menu bar.
- Click System years.
- Click Add system year.
- Enter the following information:
  - Copy information from: 2010-2011
  - Name: 2011-2012
  - Begins: 2011-09-01
  - Ends: 2012-08-31
  - Hours per fte: 1660
- Click Save and check the first two passing criteria.
- Click » in the top right corner.
- Click Courses and check the third passing criterium.
- Click Employees.
- Click Expand Employments and check the fourth passing criterium.

Passing criteria
- The year should be added successfully.
- The system year 2011-2012 should appear in the system years list.
- The course list should contain course instances copied from system year 2010-2011.
- The employees list should contain assignments copied from system year 2010-2011.
- No further errors occurred.
3.17 Remove education instances

ATR56 UCR24

- Click Courses in the menu bar.
- Locate the course *Statistics for dummies* in the course overview and click the little grey arrow in the Periods column with the name *View tasks*.
- Click the little red cross in the row that just showed up.

Passing criteria

- The system should ask for confirmation to remove the assignment from Geert Wilders to *Statistics for dummies* along with the education task.
- No further errors occurred.

ATR57 UCR24

- Click Yes, I’m sure.

Passing criteria

- There should not be a little grey arrow in the column Periods on the row of *Statistics for dummies*.
- No further errors occurred.

ATR58 UCR24

- Click Employees in the menu bar
- Locate Geert Wilders in the list and click the little grey arrow on the same row.

Passing criteria

- There should not be an assignment from Geert Wilders to *Statistics for dummies*.
- No further errors occurred.
3.18 Remove employee

ATR59 UCR10, 28, 50

- From the employee overview, click the little pencil next to Geert Wilders.
- Click Delete and confirm.

Passing criteria

- Geert Wilders should not be present in the employee overview.
- No further errors occurred.

3.19 Close year

ATR60 UCR7

- Click Administrative in the menu bar.
- Click Subdepartments.
- Locate the subdepartment Life sciences and click it.
- Click Close year and confirm.

Passing criteria

- The subdepartment Life sciences should be closed.
- No further errors occurred.

ATR61 UCR6

- Click Courses in the menu bar.
- Locate the course Statistics for dummies in the course overview.

Passing criteria

- There should not be a green cross with the name Add task next to the course instance Statistics for dummies.
- No further errors occurred.
3.20 Remove assignments from tasks & leaves

**ATR62**
- Locate the task *Write conference paper* in the task overview and click the little grey arrow in the *Assignments* column.
- Click the little red cross in the row that just appeared.
- Click *Yes, I’m sure*.

**Passing criteria**
- Task *Write conference paper* has no assignment in the *Assignments* column.
- No further errors occurred.

**ATR63**
- Locate the task *Head of Sight* in the task overview and click the little grey arrow in the *Assignments* column.
- Click the little red cross in the row that just appeared.
- Click *Yes, I’m sure*.

**Passing criteria**
- Task *Head of Sight* has no assignment in the *Assignments* column.
- No further errors occurred.

**ATR64**
- Locate the task *Presentation Training* in the task overview and click the little grey arrow in the *Assignments* column.
- Click the little red cross in the row that just appeared.
- Click *Yes, I’m sure*.

**Passing criteria**
- The assignment for task *Presentation Training* should not be present in the task overview.
- Task *Presentation Training* has no assignment in the *Assignments* column.
- No further errors occurred.
• Locate the task Pregnancy leave in the task overview and click the little grey arrow in the Assignments column.
• Click the little red cross in the row that just appeared.
• Click Yes, I’m sure.

Passing criteria
• Task Pregnancy leave has no assignment in the Assignments column.
• No further errors occurred.

3.21 Remove tasks & leaves

• Locate the task Write conference paper in the task overview and click the little red cross in that row.
• Click Yes, I’m sure.

Passing criteria
• The task Write conference paper should not be present in the task overview.
• No further errors occurred.

• Locate the task Head of Sight in the task overview and click the little red cross in that row.
• Click Yes, I’m sure.

Passing criteria
• The task Head of Sight should not be present in the task overview.
• No further errors occurred.
• Locate the task *Presentation Training* in the task overview and click the little red cross in that row.
  • Click Yes, I’m sure.

**Passing criteria**
• The task *Presentation Training* should not be present in the task overview.
• No further errors occurred.

---

**ATR69**

• Locate the task *Pregnancy leave* in the task overview and click the little red cross in that row.
  • Click Yes, I’m sure.

**Passing criteria**
• The task *Pregnancy leave* should not be present in the task overview.
• No further errors occurred.

---

**ATR70**

• Locate the task *Workshop “Line of Sight”* in the task overview and click the little red cross in that row.
  • Click Yes, I’m sure.

**Passing criteria**
• The task *Workshop “Line of Sight”* should not be present in the task overview.
• No further errors occurred.
3.22 Remove courses & course-instances

ATR71 UCR22

• Click Courses in the menu bar.
• Locate the course *Statistics for dummies* in the course overview and click the little red cross in the *Periods* column with the name *Remove course instance*.
• Click Yes, I’m sure.

Passing criteria
• The course *Statistics for dummies* should not have a course instance.
• No further errors occurred.

ATR72 UCR15

• Locate the course *Statistics for dummies* in the course overview and click the little red cross in that row.
• Click Yes, I’m sure.

Passing criteria
• The course *Statistics for dummies* should not show up in the course overview.
• No further errors occurred.

3.23 Remove study programs & target groups

ATR73 UCR100

• Click Programs in the menu bar.
• Locate *Innovation* and click the little grey arrow in its row.
• Click the little red cross in the row that just showed up, *Year 1*.
• Click Yes, I’m sure.

Passing criteria
• *Innovation* should have 0 target groups.
• No further errors occurred.
• Locate *Innovation* and click the little red cross on its row.
• Click *Yes, I‘m sure*.

**Passing criteria**
• The study program *Innovation* should not be present in the programs list.
• No further errors occurred.

### 3.24 Remove education types

• Click *Administrative* in the menu bar.
• Click *Education types*.
• Locate *Video college* in the list that is showing up and click it.
• Click *Delete* and confirm.

**Passing criteria**
• The education type *Video college* should not be present in the education types list.
• No further errors occurred.
3.25 Remove study phases

ATR76  UCR172

- Click Administrative in the menu bar.
- Click Study phases.
- Locate Bachelor in the list that is showing up and click it.
- Click Delete and confirm.

Passing criteria
- The study phase Bachelor should not be present in the study phases list.
- No further errors occurred.

3.26 Remove subperiods

ATR77  UCR35

- Click Administrative in the menu bar.
- Click Subperiods.
- Locate Q1 in the list that is showing up and click it.
- Click Delete and confirm.

Passing criteria
- The subperiod Q1 should not be present in the subperiods list.
- No further errors occurred.
3.27 Remove periods

ATR78 UCR33

- Click Administrative in the menu bar.
- Click Periods.
- Locate S1 in the list that is showing up and click it.
- Click Delete and confirm.

Passing criteria
- The period S1 should not be present in the periods list.
- No further errors occurred.

3.28 Remove expertise groups

ATR79 UCR60

- Click Administrative in the menu bar.
- Click Expertise groups.
- Locate Sight in the list that is showing up and click it.
- Click Delete and confirm.

Passing criteria
- The expertise group Sight should not be present in the expertise groups list.
- No further errors occurred.
3.29 Remove subdepartments

ATR80

• Click Administrative in the menu bar.
• Click Subdepartments.
• Locate Life sciences in the list that is showing up and click it.
• Click Delete.

Passing criteria
• The system should ask for confirmation to remove the course Molecular Simulations along with the subdepartment Life Sciences.
• No further errors occurred.

ATR81

• Click Yes, I’m sure.

Passing criteria
• The subdepartment Life sciences should not be present in the subdepartments list.
• No further errors occurred.

3.30 Remove departments

ATR82

• Click Administrative in the menu bar.
• Click Departments.
• Locate Innovation & Life sciences in the list that is showing up and click it.
• Click Delete and confirm.

Passing criteria
• The department Innovation & Life sciences should not be present in the departments list.
• No further errors occurred.
Chapter 4

Test procedures

- Install and prepare a webserver, as described in section 3.1
- Perform all tests in the order in which they appear in chapter 3. Do not shuffle them, as the order is chosen to visualize some data when viewing the reports.

Most tests are performed using Internet Explorer. In order to easily show QIS with other login credentials, Firefox is used every now and then. Use Internet Explorer, except when the test says to use Firefox. Do not close Firefox afterwards, however.
Chapter 5

Test reports

5.1 First AT

Location: Eindhoven University of Technology, HG 7.84 Date and time: 8th of January, 2010, 13:00 Held by: Natalia Sidorova, Kevin van der Pol, Sander Leemans

Only the tests which were not passed or have certain remarks are listed below:

<table>
<thead>
<tr>
<th>Test case</th>
<th>Result</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4</td>
<td>Failed</td>
<td>Courses can not yet be clicked - there are no departments to which the user has enough rights.</td>
</tr>
<tr>
<td>ATR 6</td>
<td>Passed</td>
<td>For the same reason ATR 4 failed, this test could not be completed. It was included after ATR 11, where it passed.</td>
</tr>
<tr>
<td>ATR 7</td>
<td>Passed</td>
<td>For the same reason ATR 4 failed, this test could not be completed. It was included after ATR 11, where it passed.</td>
</tr>
<tr>
<td>ATR 24</td>
<td>Failed</td>
<td>The correct course instance could not be selected.</td>
</tr>
<tr>
<td>ATR 25</td>
<td>Failed</td>
<td>Weekly hours are displayed incorrectly.</td>
</tr>
<tr>
<td>ATR 38</td>
<td>Failed</td>
<td>No mail was sent.</td>
</tr>
<tr>
<td>ATR 49</td>
<td>Failed</td>
<td>Internal server error.</td>
</tr>
<tr>
<td>ATR 50</td>
<td>Failed</td>
<td>Internal server error.</td>
</tr>
<tr>
<td>ATR 51</td>
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<td>ATR 52</td>
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<td>ATR 53</td>
<td>Failed</td>
<td>Internal server error.</td>
</tr>
<tr>
<td>ATR 54</td>
<td>Failed</td>
<td>Internal server error.</td>
</tr>
</tbody>
</table>

5.2 Second AT

Location: Eindhoven University of Technology, HG 7.84 Date and time: 11th of January, 2010, 11:00 Held by: Natalia Sidorova, Roy Berkeveld, Sander Leemans

Only those tests which were not passed during the first AT were tested. All tests were passed.
Appendix A

Tests traceability matrix

A.1 URD to ATP

<table>
<thead>
<tr>
<th>User</th>
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<th>User</th>
<th>Test</th>
<th>User</th>
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