



# Import / export

## File formats

Date	Author	Notes
20100227	Francisco Mancardi	Updated Format for version 1.9
20090207	Francisco Mancardi	Test Case XML – added support for link requirements
20090106	Francisco Mancardi	Test Case XML – added support for custom fields
20080911	Francisco Mancardi	Notes about internal and external ID New tag supported for results on TL 1.8
20071101	Francisco Mancardi	Added XLS format for test cases. Code contributed by lightbulb Added XML format for results
20070728	Francisco Mancardi	

Items that can be exported/imported.....	2
Limits.....	2
Definitions.....	2
Keyword.....	3
CSV .....	3
Example.....	3
XML - Example.....	3
Test project.....	4
Test suite.....	5
Example – without keywords.....	5
Example – with keywords.....	5
Test case.....	6
Just one test case.....	6
Example – XML - with keywords.....	6
Example – XML - with custom fields.....	7
Example – XML - with requirements.....	8
All test cases in test suite.....	9
XLS.....	9
Requirement.....	10
CVS.....	10
Example.....	10
XML.....	10
Results.....	11
Platforms.....	12
Custom Fields.....	13



## **Items that can be exported/imported**

Item	File format	Import	Export	Notes
Keyword	CSV,XML	X	X	All test project's keywords
Test project	XML	X	X	All test suites and test cases. You can choose if export also assigned keywords.
Test suite	XML	X	X	Test suite details, All test cases and child test suites and test cases. You can choose if export assigned keywords.
Test case	XML	X	X	Two types of exports can be done: <ul style="list-style-type: none"> <li>Just one test case</li> <li>All test cases in test suite.</li> </ul> You can choose if export assigned keywords.  Custom Fields assigned are exported Requirements assigned are exported Keywords import is NOT supported.
Test case	XLS	X		
Requirement	CSV,XML	X	X	
Requirement	CSV DOORS	X		
Results	XML	X		
Platforms	XML	X	X	New on 1.9
Custom Fields	XML	X	X	New on 1.9

### **Limits**

Attached files are not exported.

### **Definitions**

Internal and External ID

Every object has its internal ID , this ID is value of ID column in database table

Test cases are special case because they have internal and external ID.

Every time you see keyword ID in xml format it indicates INTERNAL ID.



## Keyword

Create keyword

Keyword	Notes
Klyngon	Klyngon keyword notes
Moon rocks	Moon rocks keyword notes

Import Export CSV

## CSV

Keyword;Notes

## Example

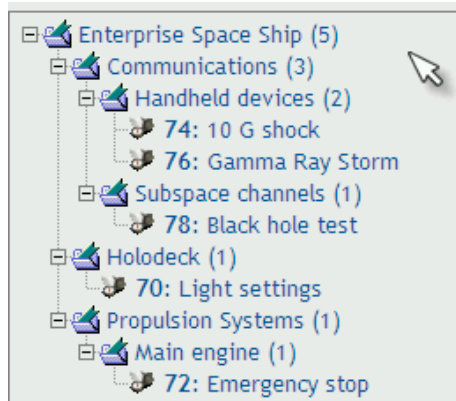
```
Klyngon;Klyngon keyword notes
Moon rocks;Moon rocks keyword notes
```

## XML - Example

```
<?xml version="1.0" encoding="UTF-8"?>
<keywords>
  <keyword name="Klyngon">
    <notes>
      <![CDATA[Klyngon keyword notes]]>
    </notes>
  </keyword>
  <keyword name="Moon rocks">
    <notes>
      <![CDATA[Moon rocks keyword notes]]>
    </notes>
  </keyword>
</keywords>
```



## Test project



```
<?xml version="1.0" encoding="UTF-8"?>
<testsuite name="">
  <details><![CDATA[]]></details>
  <testsuite name="Communications">
    <details><![CDATA[<p>Communication Systems of all types</p>]]></details>
    <testsuite name="Handheld devices">
      <details><![CDATA[]]></details>
      <testcase name="10 G shock">
        <summary><![CDATA[]]></summary>
        <steps><![CDATA[]]></steps>
        <expectedresults><![CDATA[]]></expectedresults>
      </testcase>
      <testcase name="Gamma Ray Storm">
        <summary><![CDATA[]]></summary>
        <steps><![CDATA[]]></steps>
        <expectedresults><![CDATA[]]></expectedresults>
      </testcase>
    </testsuite>
    <testsuite name="Subspace channels">
      <details><![CDATA[<p>Only basic subspace features</p>]]></details>
      <testcase name="Black hole test">
        <summary><![CDATA[]]></summary>
        <steps><![CDATA[]]></steps>
        <expectedresults><![CDATA[]]></expectedresults>
      </testcase>
    </testsuite>
  </testsuite>
  <testsuite name="Holodeck">
    <details><![CDATA[]]></details>
    <testcase name="Light settings">
      <summary><![CDATA[]]></summary>
      <steps><![CDATA[]]></steps>
      <expectedresults><![CDATA[]]></expectedresults>
    </testcase>
  </testsuite>
  <testsuite name="Propulsion Systems">
    <details><![CDATA[]]></details>
    <testsuite name="Main engine">
      <details><![CDATA[]]></details>
      <testcase name="Emergency stop">
        <summary><![CDATA[]]></summary>
        <steps><![CDATA[]]></steps>
        <expectedresults><![CDATA[]]></expectedresults>
      </testcase>
    </testsuite>
  </testsuite>
</testsuite>
```



## Test suite



### **Example – without keywords**

```
<?xml version="1.0" encoding="UTF-8"?>
<testsuite name="Handheld devices">
  <details><![CDATA[]]></details>
  <testcase name="10 G shock">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
  </testcase>
  <testcase name="Gamma Ray Storm">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
  </testcase>
</testsuite>
```

### **Example – with keywords**

```
<?xml version="1.0" encoding="UTF-8"?>
<testsuite name="Handheld devices">
  <details><![CDATA[]]></details>
  <testcase name="10 G shock">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
    <keywords>
      <keyword name="Klyngon">
        <notes><![CDATA[Klyngon keyword notes]]></notes>
      </keyword>
    </keywords>
  </testcase>
  <testcase name="Gamma Ray Storm">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
    <keywords>
      <keyword name="Klyngon">
        <notes><![CDATA[Klyngon keyword notes]]></notes>
      </keyword>
      <keyword name="Moon rocks">
        <notes><![CDATA[Moon rocks keyword notes]]></notes>
      </keyword>
    </keywords>
  </testcase>
</testsuite>
```



## Test case

### Just one test case

ID 78 :: Test Case Black hole test

Version 1

Summary

This procedure must be done once a week, with this safety device disabled:  

- X45HH
- YY89-000-JI

Steps

Expected Results

Preset bias to 0

Enable long range communications control

Simulate black hole interference

Main Results	
Spin value	9.9
Opposite Angle	18 rad

Keywords: Moon rocks

Created on 27/07/2007 15:16:52 by admin

Last modified on 27/07/2007 16:16:33 by admin

### Example – XML - with keywords

```
<?xml version="1.0" encoding="UTF-8"?>
<testcases>
  <testcase name="Black hole test">
    <summary>
      <![CDATA[<p>This procedure must be done once a week, with this safety device
disabled:</p>
<ol><li>X45HH</li><li>YY89-000-JI</li></ol>]]>
    </summary>
    <steps><![CDATA[
<p>Preset bias to 0</p>
<p>Enable <strong>long range</strong> communications control</p>
<p>Simulate black hole interference</p>]]> </steps>
    <expectedresults><![CDATA[
<table width="200" cellpadding="1" cellspacing="1" border="1">
  <caption>Main Results</caption>
  <tbody>
    <tr><td>Spin value</td><td>9.9</td></tr>
    <tr><td>Opposite Angle</td><td>18 rad</td></tr>
    <tr><td>&nbsp;</td><td>&nbsp;</td></tr>
  </tbody>
</table>]]>
    </expectedresults>
    <keywords>
      <keyword name="Moon rocks">
        <notes><![CDATA[Moon rocks keyword notes]]></notes>
      </keyword>
    </keywords>
  </testcase>
</testcases>
```



### Example – XML - with custom fields

```
<?xml version="1.0" encoding="UTF-8"?>
<testcases>
  <testcase name="Black Hawk test">
    <summary>
      <![CDATA[<p>This procedure must be done once a week, with this safety device
disabled:</p>
      <ol><li>X45HH</li><li>YY89-000-JI</li></ol>]]>
    </summary>
    <steps><![CDATA[
      <p>Preset bias to 0</p>
      <p>Enable <strong>long range</strong> communications control</p>
      <p>Simulate black hole interference</p>]]>
    </steps>
    <expectedresults><![CDATA[
      <table width="200" cellspacing="1" cellpadding="1" border="1">
        <caption>Main Results</caption>
        <tbody>
          <tr><td>Spin value</td><td>9.9</td></tr>
          <tr><td>Opposite Angle</td><td>18 rad</td></tr>
          <tr><td>&nbsp;</td><td>&nbsp;</td></tr>
        </tbody>
      </table>]]>
    </expectedresults>
    <custom_fields>
      <custom_field>
        <name><![CDATA[CF_SKILLS_NEEDED]]></name>
        <value><![CDATA[QA_Engineer]]></value>
      </custom_field>
      <custom_field>
        <name><![CDATA[CF_ESTIMATED_EXEC_TIME]]></name>
        <value><![CDATA[12]]></value>
      </custom_field>
    </custom_fields>
  </testcase>
</testcases>
```



### Example – XML - with requirements

```
<?xml version="1.0" encoding="UTF-8"?>
<testcases>
<testcase internalid="12644" name="High speed">
  <node_order><![CDATA[0]]></node_order>
  <externalid><![CDATA[182]]></externalid>
  <summary><![CDATA[]]></summary>
  <steps><![CDATA[]]></steps>
  <expectedresults><![CDATA[]]></expectedresults>
  <requirements>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[ENG-0002]]></doc_id>
      <title><![CDATA[Main Deflector]]></title>
    </requirement>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[DOC-009]]></doc_id>
      <title><![CDATA[James Bond]]></title>
    </requirement>
  </requirements>
</testcase>

<testcase internalid="12646" name="Half speed stop">
  <node_order><![CDATA[0]]></node_order>
  <externalid><![CDATA[183]]></externalid>
  <summary><![CDATA[]]></summary>
  <steps><![CDATA[]]></steps>
  <expectedresults><![CDATA[]]></expectedresults>
  <requirements>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[ENG-0002]]></doc_id>
      <title><![CDATA[Main Deflector]]></title>
    </requirement>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[DOC-009]]></doc_id>
      <title><![CDATA[James Bond]]></title>
    </requirement>
  </requirements>
</testcase>

<testcase internalid="12648" name="Jump start">
  <node_order><![CDATA[0]]></node_order>
  <externalid><![CDATA[184]]></externalid>
  <summary><![CDATA[]]></summary>
  <steps><![CDATA[]]></steps>
  <expectedresults><![CDATA[]]></expectedresults>
  <requirements>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[ENG-0002]]></doc_id>
      <title><![CDATA[Main Deflector]]></title>
    </requirement>
    <requirement>
      <req_spec_title><![CDATA[RSPEC-001]]></req_spec_title>
      <doc_id><![CDATA[DOC-009]]></doc_id>
      <title><![CDATA[James Bond]]></title>
    </requirement>
  </requirements>
</testcase>
</testcases>
```





## All test cases in test suite



```
<?xml version="1.0" encoding="UTF-8"?>
<testcases>
  <testcase name="10 G shock">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
  </testcase>
  <testcase name="Gamma Ray Storm">
    <summary><![CDATA[]]></summary>
    <steps><![CDATA[]]></steps>
    <expectedresults><![CDATA[]]></expectedresults>
  </testcase>
</testcases>
```

## XLS

Every row must have four columns:

Column number	Contents
1	Test case name
2	summary
3	steps
4	Expected results

First row will be skipped, because is supposed it contains column descriptions.

Example:

Name	Summary	Steps	Expected results
Engine fast start up	Start up on 5 second	Bla, bla,bla	Bla, bla
Engine emergency stop	Engine stop due to panic button.	1. Unlock panic button 2. Press panic button 3. Press confirm	Engine must stop right now
xxxx	xxxx	xxxx	xxx



## Requirement

List of requirements

Create New REQ Import Export requirements

XML CSV XML

DOC-ID	Title	Scope
<input type="checkbox"/> ENG-0001	Terrestrial Propulsor	
<input type="checkbox"/> ENG-0002	Main Deflector	Main deflector bla, bla, bla.

### CVS

req\_doc\_id,title,"description"

### Example

```
ENG-0001, Terrestrial Propulsor,  
ENG-0002, Main Deflector, "<p>Main deflector bla, bla, bla.</p>"
```

### XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<requirements>  
  <requirement>  
    <docid><![CDATA[ENG-0001]]></docid>  
    <title><![CDATA[Terrestrial Propulsor]]></title>  
    <description><![CDATA[]]></description>  
  </requirement>  
  <requirement>  
    <docid><![CDATA[ENG-0002]]></docid>  
    <title><![CDATA[Main Deflector]]></title>  
    <description><![CDATA[<p>Maindeflector bla, bla, bla.</p>]]></description>  
  </requirement>  
</requirements>
```



## **Results**

Example 1 - Format supported on TL 1.7 and UP

```
<?xml version="1.0" encoding="UTF-8"?>
<results>
  <testcase id="100"> <!-- ID: internal/DB id --->
    <result>p</result>
    <notes>functionality works great </notes>
  </testcase>
  <testcase id="200">
    <result>f</result>
    <notes>this case failed due to error </notes>
  </testcase>
  <testcase id="150">
    <result>b</result>
    <notes>this test case is blocked</notes>
  </testcase>
</results>
```

Example 2 - Format supported on TL 1.8 beta 3 and UP

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Comment -->
<results>
  <testcase external_id="POL-1" >
    <!-- if not present logged user will be used -->
    <tester>u0113</tester> <!-- tester LOGIN Name--->

    <!-- if not present now() will be used -->
    <timestamp>2008-09-08 14:00:00</timestamp>

    <result>p</result>
    <notes>functionality works great </notes>
  </testcase>

  <testcase external_id="POL-1" > <!-- ANOTHER EXE for SAME test case --->
    <result>f</result>
    <notes>functionality works great KIMI</notes>
  </testcase>

  <testcase external_id="1256" > <!-- Using INTERNAL ID --->
    <result>f</result>
    <notes>Using INTERNAL ID as link </notes>
  </testcase>

</results>
```

You can import several / multiple execution results using a single XML file



## Platforms

**Platform Management**

Platform	Description
MAC OS	
Solaris 10	New Solaris
Solaris 8	
Solaris 9	
Windows 2008	
Windows 7	New MS OS

```
<?xml version='1.0' encoding='UTF-8'?>
<platforms>
  <platform>
    <name><![CDATA[MAC OS]]></name>
    <notes><![CDATA[]]></notes>
  </platform>
  <platform>
    <name><![CDATA[Solaris 10]]></name>
    <notes><![CDATA[New Solaris]]></notes>
  </platform>
  <platform>
    <name><![CDATA[Solaris 8]]></name>
    <notes><![CDATA[]]></notes>
  </platform>
  <platform>
    <name><![CDATA[Solaris 9]]></name>
    <notes><![CDATA[]]></notes>
  </platform>
  <platform>
    <name><![CDATA[Windows 2008]]></name>
    <notes><![CDATA[]]></notes>
  </platform>
  <platform>
    <name><![CDATA[Windows 7]]></name>
    <notes><![CDATA[New MS OS]]></notes>
  </platform>
</platforms>
```



## Custom Fields

Custom fields							
Name	Label	Type	Enable on test specification	Display on test execution	Enable on test execution	Enable on test plan design	Available for
CF_LIST	List Type CF	list	<input checked="" type="checkbox"/>				Test Case
CF_STRING	String CF	string	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Test Case

Create Export Import

```
<?xml version='1.0' encoding='ISO-8859-1'?>
<custom_fields>
  <custom_field>
    <name><![CDATA[CF_STRING]]></name>
    <label><![CDATA[String CF]]></label>
    <type><![CDATA[0]]></type>
    <possible_values><![CDATA[]]></possible_values>
    <default_value><![CDATA[]]></default_value>
    <valid_regexp><![CDATA[]]></valid_regexp>
    <length_min><![CDATA[0]]></length_min>
    <length_max><![CDATA[0]]></length_max>
    <show_on_design><![CDATA[1]]></show_on_design>
    <enable_on_design><![CDATA[1]]></enable_on_design>
    <show_on_execution><![CDATA[1]]></show_on_execution>
    <enable_on_execution><![CDATA[0]]></enable_on_execution>
    <show_on_testplan_design><![CDATA[0]]></show_on_testplan_design>
    <enable_on_testplan_design><![CDATA[0]]></enable_on_testplan_design>
    <node_type_id><![CDATA[3]]></node_type_id>
  </custom_field>
  <custom_field>
    <name><![CDATA[CF_LIST]]></name>
    <label><![CDATA[List Type CF]]></label>
    <type><![CDATA[6]]></type>
    <possible_values><![CDATA[Deep Purple|Yes|Queen]]></possible_values>
    <default_value><![CDATA[]]></default_value>
    <valid_regexp><![CDATA[]]></valid_regexp>
    <length_min><![CDATA[0]]></length_min>
    <length_max><![CDATA[0]]></length_max>
    <show_on_design><![CDATA[1]]></show_on_design>
    <enable_on_design><![CDATA[1]]></enable_on_design>
    <show_on_execution><![CDATA[0]]></show_on_execution>
    <enable_on_execution><![CDATA[0]]></enable_on_execution>
    <show_on_testplan_design><![CDATA[0]]></show_on_testplan_design>
    <enable_on_testplan_design><![CDATA[0]]></enable_on_testplan_design>
    <node_type_id><![CDATA[3]]></node_type_id>
  </custom_field>
</custom_fields>
```