



Testnet QSP Merge	Datum	2010-12-17	Ref	KS003A02ENV9	Sidnr	1(8)
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Public	Titel <b>Release Notes Testnet Version 6.0</b>					

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## 1 GENERAL

This document describes the new function quality modules added in Testnet Web system.

The release also includes application updates according to received trouble reports, Change Requests and other improvements implemented in product.

## 2 NEW FUNCTION MODULES AND INTERFACES IN TESTNET WEB 6.0

New functions implemented to this version according to Ericsson wih-tickets.

1. ST7306206 - WS Interface towards Testnet
2. ST7065851 and ST7307462 - New TFQ interface and Import API for Repair data
3. ST6872889 and ST5554860 - Move all QSP input to Reptile, More manual input options in Reptile
4. ST7362266 - Overhaul of QSP Administration and implementation in TestnetWeb
5. ST7363224 - Overhaul of QSP reporting functionality and implementation in TestnetWeb (Four most frequently used reports)
6. ST5610914 - The Testnet tools must support the 5.1 database
7. ST7199614 - Move TestStationAdmin to TestnetWeb
8. ST5070323 – New features in R&R module.

New functions modules delivered

1. Upgrade of current Testnet Web with QSP functions.
2. New version Reptile (.Net) including QSP input possibilities
3. Testnet Web Service Interface that enable access of Testnet data. (*Interface specification holds information of exposed functions*)
4. Testnet TFQ Web Service Interface that replaces the current DMQ/BMQ based QSP TFQ service. (*Interface specification holds information of exposed functions*)
5. Service with XML-file interface that enables import of Test&Quality data. The service communicates with the TFQ Web Service. (*TFQ Web Service Interface specification holds information of XML-file format*)

### 2.1 New Functions

#### 2.1.1 Testnet Web Service Interface

A new interface that enables access of data from the Testnet database by exposed interface functions. The functions exposed are found in the interface description for this web service, see document number below.

#### 2.1.2 TFQ Web Service Interface

A new interface that enables access of data from the Quality database by exposed interface functions. The functions exposed are found in the interface description for this web service, see document number below.

#### 2.1.3 TFQXML Service file interface

A new file interface (.Net) service that enables import of test and quality data. The service reads files stored in dedicated folder on server and translate the information for further function calls to the TFQ Web Service Interface. XML-file format is found in the interface description for this service, see document number below.

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## 2.1.4 New quality data modules

### 2.1.4.1 Products

This is a module for handling of product structure preparation. All products that are reported on must be registered in the Quality database. The products are imported from Ericsson's product information management database (PRIM) or manually prepared. For more information about PRIM and Piwin, see the System Administrators manual.

### 2.1.4.2 Modelling

In order to work with Testnet Quality parts, the system must have a map (model) of the production process. This means that areas, production lines and test categories must be defined in the system and be combined to produce report locations. Information on faults is gathered from these various report locations. More information is found in the Testnet User Guide.

### 2.1.4.3 Basedata

Several codes have been defined in Quality database for managing faulty data. These codes are used, for example by operators, to describe faults and associated corrective actions during repairs. The codes are also used to classify, group and categorise faults.

### 2.1.4.4 Analysis

In the Quality Analysis tool you can analyse some of the information stored in Quality database.

By using the Quality Analysis function, you can access information directly in the tables in the database. The analysis function is used for querying information that cannot otherwise be obtained through various standard reports. You choose the tables and columns you want to look at when you specify the search criteria.

### 2.1.4.5 Reports

The four most frequently QSP reports are available in Testnet Web. These are,

- Fault Outcome Graph
- Fault Outcome Report (Products)
- Fault Outcome Report (Report Locations)
- Fault Report – Positions verses Fault Codes
- Yield Graph
- Yield Report (Products)
- Yield Report (Report Locations)

### 2.1.4.6 TestStationAdmin

Test Station Admin is an administration tool used for administrating the test stations (nodes) to enable automatic transfer of quality data to the quality database. More information is found in the Testnet User Guide.

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### 2.1.5 Reptile .Net 6.0

The new version of Reptile repair tool upgrade holds new function for manual repair/fault report inputs and replaces the QSP client input. The new input types found, that corresponds to QSP inputs, are Control Input and Fast Input. It is also possible to correct input of data in this version, in function correction. More information regarding this function is found in the Reptile User Guide.

The handling of locally stored product structure files are changed from storage of one file for total product structure to one file per product structure level.

In this version it is possible to configure Reptile to use the new protocol viewer. The View Protocol module enables you to search for and view test protocols stored in Testnet database.

### 2.1.6 Database

The QSP quality database is updated with new stored procedures supporting Testnet Web quality functions. Columns SYMPTOM\_CODE and MEASUREMENT\_GROUP are altered to Char(16), an adaption to Testnet database.

### 2.1.7 MeasData

Function to analyze repeated measurement values by grouping them by attribute values. Measdata selection MMI has a new checkbox "Repetitions - Group measurement points by attributes" is implemented that enable the new functions. Read more about the new features in User Guide.

## 2.2 Corrected Trouble Reports and implemented Change Requests

The information below consists of all changes made since first version of Testnet Web 6.0 they are grouped under the release they were corrected added and the latest patch always contains all previous corrections.

### 2.2.1 Release 6.0.1.0

First released version.

### 2.2.2 Release 6.0.2.0

- Fetch
  - A "?" was added to X and Y values. This is now removed.
- Protocol Viewer
  - Only one measurement point was shown for certain test protocols.

### 2.2.3 Release 6.0.3.0

- General
  - When searching after a lot of data, timeout may appear.

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#### 2.2.4 Release 6.0.4.0

- Test Reports
  - Loading saved TQ-Report with multiple selections didn't work.
  - Saved reports are saved (and loaded) with invalid user id (should be uppercase).
  - Loading of serial number file doesn't work for reports Curvedata, Infodata and Measdata. New format for loading of serial number file for reports introduced.
  - It is not possible to create Measdata Excel file for repeatable measurements.
  - Infodata-buttons on result sheet weren't properly connected to macro.
  - Measdata error with attribute detail popup window not starting up for repeatable measurements.
  - Error opening Excel template for all reports.
- Reptile
  - Following settings are stored per PC station instead of user.
    - Default test station mapping is stored when creating test report
    - Default Action (Pre-troubleshoot, Troubleshoot or Repair).
    - Selected criteria for input (Area, Line, Test Category, Product number and R-state).
    - If usage of macro is activated or not.
    - Default Input (Tested product or Faulty Product).
    - Work Station ID
    - Default Alarm Category
    - Default Fault Category
    - Usage of Barapix
    - Usage of CompView
    - Default type of input (Reptile, Inspection Input or Fast Input)
  - Different messages for Alarm Code and Action Code 10 depending on the setting for Alarm Code in the Config file. (Mandatory or not mandatory).
  - Changing column width in the action list in when operation in fault finding mode causes CompView to cover the Reptile fault finding form.
  - When switching between analyze- and test tab, column width will be reset to default value.
  - FEBA and DirectRepair weren't activated when pressing enter in serial number field.
  - CompView was wrongly activated when adding faults.
  - Corrected error when getting positions from CompView for product structure with only one board.

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- Corrected error when loading fault codes, wasn't using fault category properly.
- TFQ Service
  - Service doesn't start. "Could not load file or assembly" error.

### 2.2.5 Release 6.0.5.0

- Modelling
  - Edit Fault Possibilities uses wrong r-state when saving data.
  - Check if DPMO goal exists is invalid.
- Test Reports
  - Measdata - list of measurement points scrolls back to beginning with each selection.
  - Infodata - Circumstance count not displayed.
  - Measdata - max number of measurement points changed to 1000.
- Protocol Viewer
  - Improved handling of decimal points.
  - Curve graph doesn't show if limit values are missing.
- Fetch
  - Removed error message for Fetch service when protocol not found in database.
- General
  - Calendar starts with Sunday everywhere except for Quality Reports.
- Quality Analysis - Export to Excel gives error message for some searches.
- Change Requests
  - All Test Reports should contain database (site) information.
  - Infodata should contain test program r-state in sw\_id;criteria field.
  - Display number of rejected files (.rrr) in Pdoxcomm directories in Protocol Handling.
  - Measdata changes – Analyse repeated measurement values by grouping them by attribute values.

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### 2.2.6 Release 6.0.6.0

- Reptile
  - Reptile does not start Excel when printing fault report.
- Test Reports
  - Measdata - Sorting order of Measurement Point columns different between sites.
  - Measdata - Error occurred during creation of timeplot graphs for capability report.
- Change Requests
  - Measdata - Possibility to filter measurement points with wildcard in data search, for example CU, MO (more than one).
  - Measdata - New features in R&R module, wih-ticket 5070323. Functionality to analyze repeated measurement values by grouping them by attribute values.

### 2.2.7 Release 6.0.7.0

- TestnetAPIWebService
  - Too slow when getting numeric measurement values.
  - Measurement values are returned in wrong order. Latest has to be returned first.
- BTReceiveService
  - Week calculation faulty for year 2010, moved to database.
- Products
  - Report groups in list and combo-box was not sorted.
- Basedata
  - When adding new fault codes the lists for fault category and fault class were not initialized properly,
- Protocol Viewer
  - Data and column headers were not matching when displaying instruments.
- Change Requests
  - Measdata – Max 20 sheets, too few. Now 40 sheets are maximum limit.
  - Quality Reports – 10 new Reports:
    - Fault diagram - Components
    - Fault diagram - Fault Codes
    - Fault diagram - Positions
    - Fault diagram – Products
    - Hierarchical fault outcome report
    - Hierarchical yield report
    - Pareto - Areas

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- Pareto - Fault Codes
- Pareto - Lines
- Pareto – Positions

### 2.2.8 Release 6.0.8.0

- Test Reports
  - Measdata – incorrect handling of serial number filter.
- Quality Reports
  - Faulty check on start and stop time.
- Products
  - Too slow performance in Products tab.
- ReptileNET
  - Scrolling in fault codes combo doesn't work
  - Labels with first failing measurement point and the value is overlapping and thus hiding data.
  - Measurement values and limits for first failing measurement point are formatted incorrect depending on decimal separator.
  - Column Action Success is resized when clicking in test table.
  - Application is dependent on specific version of CompView.
  - Input criteria are not transferred from dialogue to Fast/Inspection input first time the form is used.
  - Not possible to run multiple instances on same computer.

### 2.2.9 Release 6.0.9.0

- ReptileNET
  - Change criteria for Fast Input and Inspection input crashes ReptileNET.

## 3 DELIVERY SPECIFICATION

### 3.1 Documents

Customer documents delivered with Testnet 6.0 are:

Reptile User Guide	KS003M0078B01V4 User Guide.pdf
System Administrators Manual	KS003B02ENV11 TNET6 System Admin.pdf
Testnet User Guide	KS003B03ENV12 TNET6 User Guide.pdf
Target Environment Specification	KS003A01ENV10 TNET Target Environment Specification.pdf
Release Notes	KS003A02ENV9 Release Notes.pdf
TFQ Web Service Interface Description	KS003B16ENV1 TFQ_WS Interface Description.pdf
Testnet Web Service Interface Description	KS003M0084b01ENV9 TestnetAPI_WS Interface Description.pdf
TFQXMLService System Administrators Manual	KS003B19ENV1_TFQXMLService SYSTEMADMINISTRATORSMANUAL.pdf