

Testnet	Datum	Ref	Sidnr
	2012-01-05	KS003A02ENV12	1(10)
Ansvareg		Johan Hansson	
Public	Titel Release Notes Testnet Version 6.4		

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1 GENERAL

This document describes the entire Testnet system.

The release also includes application updates according to received trouble reports, Change Requests and other improvements implemented in product since version 6.1.

2 TESTNET 6.1

2.1 Release 6.1.0.0

Previous corrections in patch 6.0.9.0 are included in release 6.1.0.0.

2.1.1 Test Reports

- Machtime – Chart limit of 255 number of data series.
- TQReport - Problem when many test stations.
- TQReport - Mismatch between numbers in header and other data.

2.1.2 Products

- Relations from PRIM faulty number of relations.

2.1.3 Modelling

- Error when trying to add new Product Place.

2.1.4 ReptileNET

- Error on save in Fast Input if #Faults>1.
- Macro handling adds data in wrong columns.
- Error when saving faults with Faulty Product as input setting.
- Sorting fault table makes wrong position is sent to CompView.
- Input Criteria form displays deactivated areas.
- Multiple positions from CompView doesn't work for Fast and Inspection Input.
- Action code isn't always displayed correctly.
- Right-click on unselected row in Analyze table gives error.
- Exchange of serial marked unit gives error if no serial number is given.

2.1.5 QSP Insert Service

- Reduce number of created rrr-files on error.

2.1.6 Change Requests

- ReptileNET - Changes to adapt to working with Reptile in AOI.
- Test Reports - Possibility to use TQ Report without QSP database.

2.1.7 New Functions

New functions modules delivered

1. AOI Interface in form of three windows services Orbotech, SAKI and DPC File services. These are included in the release but will be implemented upon request.
2. Protocol transfer from EMS to separate Testnet database. This is included in the release but will be implemented upon request.
3. Possibility to print protocols to PDF.

2.1.7.1 Orbotech File Service

A new file interface that reads tst and par files from Orbotech AOI equipment and stores the information in Quality (QSP) database.

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This is included in the release but will be implemented upon request.

2.1.7.2 SAKI File Service

A new file interface that reads xml files from SAKI AOI equipment and stores the information in Quality (QSP) database.

This is included in the release but will be implemented upon request.

2.1.7.3 DPC File Service

A new interface that reads information from Quality (QSP) database and from the information creates tst and par files. The files have the same format as files from Orbotech AOI equipment, and they are sent to DPC system.

This is included in the release but will be implemented upon request.

2.1.7.4 Protocol Transfer Service

A new interface that moves protocol files from one location to another, at the same time renaming them so that there is an unbroken sequence in the target directory. It also checks that the number of blob files is the same as the protocol stipulates.

This is included in the release but will be implemented upon request.

2.1.7.5 Web Protocol Print Service

A service that enables printing of protocols from Testnet_Web to PDF-files uses new version of pamPrint.dll.

2.1.7.6 Database

Both QSP and Testnet databases are updated in this release.

2.2 Release 6.1.1.0

2.2.1 Test Reports

- TQ Report modified warning if search made more rows than sheet can handle (65536 rows) now displays actual row count.
- If using Office 2010 generating some reports like Measdata, Machtime was considerably slower than in previous versions.
- Adjusted limits of TQ Report to 100 test stations and 5000 rows.
- Adjusted limits of TQ Report from 65000 rows to 65536 rows in raw_data sheet.

3 TESTNET 6.2

3.1 Release 6.2.0.0

Previous corrections in patch 6.1.1.0 are included in release 6.2.0.0.

3.1.1 QSPInsert Service

- Removed writing to C:\debug.log, now logs additional info to Event Log if LogLevel>1.
- Corrected error with sending protocols to QSP even if sending flag was set to not send.

3.1.2 Store Service

- Added serial number to error messages in store.log and Event Log
- Added missing parameter in config-file for installation kit

3.1.3 Mule Service

- Changed incorrect name in Event Log
- Warning logged to Trace Event Log if "File used by another process" error
- Creates counter files fileno.rec and pamout\pamout.rec if not existing
- If net95_mule.cnt is missing it is created with same contents as net95.cnt
- If pamela_mule.cnt is missing it is created with same contents as pamela.cnt

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- Removed unused log-file parameter from config-file

3.1.4 Fetch service

- Changed name of service to Testnet Fetch
- No fault logged when trying to read .req-file waits a while and tries to read again

3.1.5 BTSend Service

- Logs serial number when error on updating test status
- Creates pamela_corr.cnt and pamela_admin.cnt at startup if not existing

3.1.6 ReptileNET

- Changed from short datatype to integer where variable size might be an issue
- Wrong column was red when entering an invalid position
- Column widths in repair table wasn't saved properly
- Action Report error when searching big time span
- Want possibility to enter fault code and action code by entering text
- Errors in texts in settings form for BARAPIX and Alarm Category
- Fast Input - Wrong username (PC user) saved for test instead of Reptile user
- Claim of component dialog displayed when not supplying action code
- Cannot change action status for "old" faults

3.1.7 Testnet_Web

- Overview of possible open cursors in database when working with stored procedures to get data
- Not possible to use saved searches for TQReport.

3.1.8 TestnetAPI Webservice

- Overview of possible open cursors in database when working with stored procedures to get data
- Logs thousands of empty error messages

3.1.9 Change Requests

- Test Reports - TQ Report add Test Comment to Raw Data.
- Test Reports – Displaying yield without repair in TQ Reports
- Reports – Possibility to get all reports in Excel2010 format
- Store Service – Stores MP_TYPE in MEASUREMENT_VALUES and MEASX tables
- ReptileNET - Easier to find failed measurement point in protocol
- ReptileNET - Analyze - Get possibility to search other r-states even if hit on current
- ReptileNET - Confirm Exit for Fast Input and Inspection Input

3.1.9.1 Database

New field lengths in Testnet database including the affected applications.

New lengths are:

COMMENTT	VARCHAR2(255)
CIRC_DESCRIPTION	VARCHAR2(255)
SW_ID	VARCHAR2(25)

Removed update contents of WEEKTEST, WEEKRETE and WEEKSMP database tables from delete trigger for protocol.

Moved loading of data for TQ Reports to database and scheduled stored procedure instead of running scheduled scripts outside database.

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3.1.9.2 TestnetAPI Webservice

New functions in API:

- GetFaultMPList - Gets all previously reported erroneous measurement points
- GetCPKInfo - Gets an calculated CPK value for a product
- GetMaxMinValues - Gets a list of Mean, Minimum and Maximum values for measurement points within a Product and R-State

3.1.10 New Functions

3.1.10.1 TMS – Test station Monitoring System

3.1.10.1.1 General

The main purpose of TMS is to keep track of test station status to provide better monitoring and utilization of test stations. TMS tracks test station disturbances. A disturbance could be a stop because of breakdown or maintenance. It also tracks spare parts usage. Below is the TMS main functionality described. For more information, please read Testnet User Guide 6.2. Note! The TMS Administration must be prepared before start using this new functionality.

3.1.10.1.2 Functionality

TMS Reporting Client

This application is running at the test station. It is used to report eventual disturbances as when the test station is stopped and up and running again. Spare parts usage is also entered in this application.

Start this application with a browser and the URL:

[http://\[sever address\]/TMSClient/index.aspx](http://[sever address]/TMSClient/index.aspx)

Note! To be able to run this client, SilverLight version 4 (4.0.60831.0) browser plugin must be installed on your PC.

TMS Monitoring Client

This application is intended to be used to overview test stations status. Which test stations to view is filtered out by entering search criteria. The test stations in the search result are represented as boxes in a graphical overview.

Start this application with a browser and the URL:

[http://\[sever address\]/TMSClient/index.aspx#/monitor](http://[sever address]/TMSClient/index.aspx#/monitor)

Note! To be able to run this client, SilverLight version 4 (4.0.60831.0) browser plugin must be installed on your PC.

TMS Reports

Reported data from the TMS Reporting Client is collected in a couple of reports and can be viewed in Testnet_Web Client. Available reports are:

- Raw data
- Spare parts

TMS Administration

Functions like setting up which test stations that shall use the reporting client is found in Testnet_Web client.

3.2 Release 6.2.1.0

3.2.1 TMS Calc Service

- Faulty SQL statement when removing old measurement groups/points
- TMS Calc Service consumes very large amount of memory.

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3.3 Release 6.2.2.0

3.3.1 TestnetAPI Webservice

- Changed design of calls to database, split into multiple database calls.

3.4 Release 6.2.3.0

3.4.1 BT Send Service

- Rejects protocol with long <DUTNOTE> even though it isn't really used in application.
- Rejects protocol with special characters like "/" in <TYPE>-tag. Store allows this so BT Send shouldn't reject these.

4 TESTNET 6.3

4.1 Release 6.3.0.0

4.1.1 New Functions

New functions modules delivered

1. MI MES Data Provider.

4.1.1.1 MI MES Data Provider

A new server module that provides MI solution with test and quality data, according to predefined data contracts, runs as a windows service. Support of six contracts: Functional Test; Serial Number; Test Criteria; Measurement Value; Fault Search; and Repair.

4.1.1.2 Database

Both QSP and Testnet databases are updated in this release.

4.2 Release 6.3.1.0

4.2.1.1 MI MES Data Provider

- Correction, fetching data from database for contract Functional Test in several steps was not possible.

5 TESTNET 6.4

5.1 Release 6.4.0.0

Previous corrections in patches 6.2.1.0 to 6.2.3.0 are included in release 6.4.0.0.

5.1.1 ReptileNET

- Inspection Input - max 100 for tested
- Correction, system administrators could not correct other users input if they also belonged to group OPERATOR.
- Fast Input to comply with old QSP client ENTER key in order number and serial number fields will be treated as TAB.
- "Root element is missing" error message when opening Positions form.
- "Unexpected end of file has occurred. The following elements are not closed: Product ..." error message when opening Positions form.

5.1.2 Store Service

- Error for trigger INS_TRH when saving new protocol.
- Extra <END>-tag last in protocol gives error and Store is not continuing with next protocol.

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5.1.3 XrayToQSP

- Error when formatting insert date, always used AM/PM format so all data was found before noon every day.

5.1.4 TQ Report

- Changed handling of Test Production Comment now using current value.
- Error when setting min number of tests to 0.
- Adjusted limits of TQ Report to 40 fault codes (limits are now 100 nodes, 100 measurement values, 40 fault codes due to limits of 256 number of columns in excel 2003/2007)
- Corrected error causing error message "Error when running macro - Cannot use that command on overlapping sections" occurring if selection results in more than 40 fault codes

5.1.5 Measdata Report

- Corrected error causing error message: "Compile error in hidden module: VBA_GaugeRR...".
- When number of measurement points is multiple of 240 error occurred.
- When using file for individuals only 29 first were used. Expanded to 1000.
- "Delete method of Range class failed" for Office 2010 and many measurement points.

5.1.6 TMS Raw Data Report

- Corrected errors in calculation of disturbance time, MTTR, MTBF and changed to first time yield.
- When first running Machtime report then subsequent call to TMS Raw Data report fails.

5.1.7 Hierachical Yield Report

- Report was failing when no faults where entered for selected search criteria.

5.1.8 QSP Insert

- <FIRSTFAILED> row was not read.
- Measurement points with multiple rows were not marked as failed if first occurrence was PASS and any other FAIL.

5.1.9 Saved Searches for all Reports

- Saved searches with no name could not be removed.

5.1.10 Mule

- Protocols and blobs are deleted even if not distributed to all recipients.
- Mule reads protocol and waits for possible blobs parameter specifies how long to wait.

5.1.11 TMS Service

- In reporting client it was not possible to use ' characters in input fields.

5.1.12 MI MES Data Provider

- Support of two new contracts: Test Criteria Text; and Measurement Value Text.
- Updates in Testnet database to activate contracts Test Criteria Text and Measurement Value Text.
- Correction in stored procedure regarding control category when fetching data for contract Functional Test.

5.1.13 Vision Transfer Service

- Service only allows 5 characters in fault code but database allows 6.

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5.1.14 Machtime Report

Search page allowed report with 32 days which the report couldn't handle.

5.1.15 Change Requests

- ReptileNET – Keep size of troubleshoot window between Reptile sessions.
- ReptileNET- Input field for Repair time in Fast and Inspection Input.
- ReptileNET – input field for manual input of troubleshoot/repair time.
- Store – New error message if trying to store exactly same start and end time as previous protocol for individual.
- TMS – Adding Reporting client and monitor as links from Testnet_Web.
- Database – new index on TEST_RECORD_HEADER table (for TMS).

5.1.16 New functionality

5.1.16.1 Reptile.NET

- SWAP functionality – New test with FAIL result created on exchanged serial marked unit with same area, line, test category, failed measurement group/point and same test time as original test.
- Serial numbers from Bartrack is displayed when selecting position in tree view.
- Possibility to view protocols for tests where current serial number where exchanged.
- Use Barapix WCF service instead of local BARAPIX.dll. New setting in the configuration-file determining which to use, dll or wcf-service.
- Extended search possibilities in Analyze tab.

5.1.16.2 Protocol Correction

- Store, BT Send and QSP Insert stores rejected files in Testnet database.
- New page for handling protocol correction in Testnet_Web.

5.1.16.3 Central Database Archive

A new server for archiving Testnet protocols from all sites, hosting a MSQL database, Central Archive Database; and a WCF service, Central Database Protocol Archive Central Service.

This also demanded adaptations for existing services Store and Fetch as well as new search page in Testnet_Web.

5.1.16.4 Central Database Protocol Archive Data Provider Service

A new server module, running as a windows service, that retrieves test protocols and attached blobs from production databases; a directory; or a T95 Archive, and sends them in a zipped file to the WCF service Central Database Protocol Archive Central Service.

5.1.16.5 Central Database Protocol Archive Central Service

A new server module, running as a WCF service, installed on the new Central Database server. This service receives Testnet protocols and attached blobs from the windows service Central Database Protocol Archive Data Provider Service and stores the Testnet protocols and blobs in the Central Archive Database.

5.1.16.6 Central Database Protocol Archive Search GUI

- New page for handling search and reload in Central Database Protocol Archive in Testnet_Web.

5.1.16.7 Database

- A new database on the new database server where all archived test protocols and blobs are stored.
- QSP and Testnet databases are updated in this release.

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6 DELIVERY SPECIFICATION

6.1 Documents

Customer documents delivered with Testnet 6.4 are:

Reptile User Guide	KS003M0078B01V8 Reptile User Guide.pdf
System Administrators Manual	KS003B02ENV13 TNET64 System Admin.pdf
Testnet User Guide	KS003B03ENV15 TNET64 User Guide.pdf
Target Environment Specification	KS003A01ENV12 TNET64 Target Environment Specification.pdf
Release Notes	KS003A02ENV12 TNET64 Release Notes.pdf
TFQ Web Service Interface Description	KS003B16ENV2 TFQ_WS Interface Description.pdf
Testnet Web Service Interface Description	KS003M0084B01ENV11 TestnetAPI_WS Interface Description.pdf
TFQXMLService System Administrators Manual	KS003B19ENV1_TFQXMLService SYSTEMADMINISTRATORSMANUAL.pdf