

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	1(12)
	Ansvarig	Johan Hansson				
Public	Titel	Release Notes Testnet Version 6.8				

Innehållsförteckning

1	GENERAL.....	3
2	TESTNET 6.6	3
2.1	Release 6.6.0.0.....	3
2.1.1	QSP Insert Service.....	3
2.1.2	Fetch Web Service.....	3
2.1.3	View/Print Protocol.....	3
2.1.4	Measdata	3
2.1.5	ReptileNET Client.....	3
2.1.6	CDBA Central Service.....	3
2.1.7	BT Send Service	3
2.1.8	Change Requests	3
2.1.9	New Functions	4
2.2	Release 6.6.1.0.....	5
2.2.1	QSP Insert	5
2.3	Release 6.6.2.0.....	5
2.3.1	ReptileNET Client.....	5
2.3.2	Analysis – Search and Download Blobs	5
2.3.3	MI MES Export Service	5
2.4	Release 6.6.3.0.....	5
2.4.1	SAKI Service.....	5
2.5	Release 6.6.4.0.....	5
2.5.1	QSP Insert	5
2.6	Release 6.6.5.0.....	6
2.6.1	QSP Insert	6
2.7	Release 6.6.6.0.....	6
2.7.1	QSP Insert	6
2.8	Release 6.6.7.0.....	6
2.8.1	Testnet_Web.....	6
2.8.2	ReptileNET Client.....	6
2.8.3	Web Protocol Print Service	6
2.8.4	Store Service	6
2.8.5	QSP Archiving.....	6
2.8.6	CPK Calculation service.....	6
2.8.7	New Functions	7
2.8.8	Change Requests	7
2.9	Release 6.6.7.1.....	7
2.9.1	MI MES Export Service	7
2.10	Release 6.6.7.2.....	7
2.10.1	ReptileNET Client.....	7
3	TESTNET 6.7	7
3.1	Release 6.7.0.0.....	7
3.1.1	TMS Phase 2	7
3.1.2	TFQ Web Service.....	8
3.1.3	Testnet_Web.....	8
3.1.4	AOI service	8
3.1.5	Change Requests	8
3.2	Release 6.7.1.0.....	9
3.2.1	CPKCalc Service.....	9

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	2(12)
	Ansvarig	Johan Hansson				
Public	Titel Release Notes Testnet Version 6.8					

3.2.2	MI MES Export Service	9
3.2.3	QSP Insert Service.....	9
3.2.4	TMSCalc Service	9
3.2.5	TMS Service	9
3.2.6	BT Receive Service.....	9
3.2.7	PRIM Converter Service.....	9
3.2.8	Testnet_Web.....	9
3.2.9	Reptile Client.....	9
3.3	Release 6.7.2.0.....	10
3.3.1	PRIM Converter Service.....	10
3.3.2	MI MES Export Service	10
4	TESTNET 6.8	10
4.1	Release 6.8.0.0.....	10
4.1.1	Testnet_Web.....	10
4.1.2	BT Send Service	10
4.1.3	CDBA Data Provider Service	10
4.1.4	Upgraded to .NET Framework 3.5.....	10
4.1.5	CPK Calculation Service	10
4.1.6	TestnetAPI_WS	10
4.1.7	QSP Insert Service.....	10
4.1.8	Reptile Client.....	11
4.1.9	MI MES Export Service	11
4.1.10	PRIM Converter Service.....	11
4.1.11	TMS Calc Service	11
4.1.12	Database	11
4.1.13	Change Requests	11
5	DOCUMENTS.....	12

Testnet	Datum	Ref	Sidnr
	2015-01-28	KS003A02ENV39	3(12)
	Ansvarig Johan Hansson		
Public	Titel Release Notes Testnet Version 6.8		

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 6.6.

2 TESTNET 6.6

2.1 Release 6.6.0.0

Patch 6.5.5.0, 6.5.6.0 and 6.5.7.0 will be a part of release 6.6.0.0.

2.1.1 QSP Insert Service

- Serial number for individual saved in log message when rejecting protocols.

2.1.2 Fetch Web Service

- If criteria had “-characters on measurement point the measurement points were missing when recreating protocol with Fetch.
- Cleanup improved to release resources quicker.

2.1.3 View/Print Protocol

- Timeout when waiting for protocol to print was too short.
- Search gave no result if space after serial number in search field.

2.1.4 Measdata

- Gauge R&R performance improvements.
- Problem creating Gauge R&R Report with Measdata Office 2003 template.
- Keeping serial numbers in between searches in search page.
- Problems with large searches.

2.1.5 ReptileNET Client

- Error message when missing report location improved in Fast- and Inspection Input.
- Error message even if no error when having assembled serial number structure when selecting position.

2.1.6 CDBA Central Service

- Improvement to set timeout value for database connection and database command.
- Improved logging.
- Improved error handling.
- Improvement for cleaning up in store and error folders.

2.1.7 BT Send Service

- Improved performance when saving rejected protocol to Testnet database.
- Made sure that protocols for individuals not found in Bartrack are deleted if the setting DeleteNotFoundInBT is set.

2.1.8 Change Requests

2.1.8.1 Blob

- Possibility to search for multiple serials added.
- Test station displayed in table.

2.1.8.2 Measdata

- Always displaying Main filter part in search page.

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	4(12)
	Ansvarig	Johan Hansson				
Public	Titel	Release Notes Testnet Version 6.8				

2.1.8.3 Fault report positions vs fault codes

- The whole data table is formatted when activating makro.
- The header with report information and search criteria is filled out when no report data has been created.

2.1.8.4 View Protocol

- Test station displayed in table.
- Print button disabled during printout.

2.1.8.5 Modelling

- Products expanded after delete of product place.

2.1.8.6 Product Relations

- Keep Add dialog open after click on Add button to improve usability when adding multiple relations.

2.1.8.7 AOI Services

- Orbotech, SAKI and Cyberoptics services now uses BARAPIX WCF service instead of dll.
- Improved logging for Cyberoptics.
- Correction of moving Inspect files to error folder when XML validation failed.

2.1.8.8 QSP Insert

- Rewritten in .NET calling TestnetAPI and TFQ web services for database access.

2.1.8.9 ReptileNET Client

- Adapted to use new interface for CompView.
- Macro buttons as big as possible.
- Direct Repair removed from application.
- FEBA renamed to generic function where you can supply any link in config file.

2.1.9 New Functions

2.1.9.1 Products

- Display buttons in Products and Product Relations tab which generates Excel reports.

2.1.9.2 Test Station Admin

- Possibility to delete protocols with certain Test program, Test Criteria or Product.
- Possibility to send to specific modeling for combination of Test program, Test Criteria and/or Product.

2.1.9.3 QSP Insert

- Possibility to delete protocols with certain Test program, Test Criteria or Product.
- Possibility to send to specific modeling for combination of Test program, Test Criteria and/or Product.

2.1.9.4 Multi-board panels

Adaptions have been made to ReptileNET client, TestnetAPI web service, TFQ web service, Orbotech, SAKI, Cyberoptics and DPC services to handle multi-board panels:

- New column for AOI positions instead of comment field in applications and in database.
- New functions in TestnetAPI web service CreateAOIRelations, SetAOIDataHolder, GetAOIDataHolder and GetAOIRelations.
- New database table AOI_RELATIONS in Testnet database.
- ReptileNET only displays AOI inputs made on specific position when scanning serial number of MCM board or twin/triplet boards if checkbox checked in settings.

Testnet	Datum	Ref	Sidnr
	2015-01-28	KS003A02ENV39	5(12)
	Ansvarig Johan Hansson		
Public	Titel Release Notes Testnet Version 6.8		

2.1.9.5 ReptileNET API (WCF Service)

New ReptileAPI can be started automatically at startup of ReptileNET which can be used for controlling ReptileNET from Idefix. Five functions available and described in KS003M0078B02EN ReptileAPI Interface Description.doc:

- setSerial
- setSerialAndUser
- setSerialAndTimestamp
- setSerialUserAndTimestamp
- minimizeForm

2.1.9.6 ReptileNET Client

- Three different views in Reptile: Q-engineer, repair and operator.
- It shall be possible to change user without closing down the system.
- Show summarized time with unit in History form and Faults tab.
- Display fault_id in fault table in History form and Faults tab.
- Setting in config file if manual time input will be made in seconds or minutes.
- Disassemble/assemble individual when exchanging serial marked unit when already assembled in Bartrack.

2.2 Release 6.6.1.0

2.2.1 QSP Insert

- Corrected faulty handling of first failed measurement point and group.

2.3 Release 6.6.2.0

2.3.1 ReptileNET Client

- Handling of "Exchange of serial marked unit" corrected when using BARAPIX.
- Wrong column (Fault Code) hidden/displayed when selecting to view AOI Position.
- Incorrect spelling of column in Fault tab corrected.

2.3.2 Analysis – Search and Download Blobs

- Corrected download of selected Blobs, since no blobs was downloaded due to using incorrect parameters when fetching the blobs.

2.3.3 MI MES Export Service

- Support of contract version 005, e.g. fields *ExtractRangeFrom* and *ExtractRangeTo* is mandatory.
- Length of *AffectedPosition* for contracts *FaultSearch* and *Repair* is extended from 20 characters to 60.

2.4 Release 6.6.3.0

2.4.1 SAKI Service

- Disregards the <FaultyBoard> tag from SAKI files since they always contain 1 and that is wrong for single boards.

2.5 Release 6.6.4.0

2.5.1 QSP Insert

- Correction of incorrect format for station.
- Correction of length validation for MP Status.

Testnet	Datum	Ref	Sidnr
	2015-01-28	KS003A02ENV39	6(12)
	Ansvarig Johan Hansson		
Public	Titel Release Notes Testnet Version 6.8		

2.6 Release 6.6.5.0

2.6.1 QSP Insert

- Correction of protocol result status when status is ERROR.
- New App Setting in web.config. It gives the possibility to redirect protocols to Testnet Protocol Handling when unexpected error occur in TFQWeb Service. It is used when calling function to get mapping information.

2.7 Release 6.6.6.0

2.7.1 QSP Insert

- Correction of protocol result status when status is other than PASS. Every other status is treated as FAIL.
- Fix to avoid NULL Exception when calling TFQ to get mapping. The exception could be raised when cardmark mapping was specified in mapping tab without having mapping for PASS and FALSE result in Cardmark tab.
- Update Store Procedure
Minor change to make it possible to store cardmark mapping for both PASS and FAIL result. Previous was it only possible to store mapping for one of them.

2.8 Release 6.6.7.0

2.8.1 Testnet_Web

- View Protocol - Dates are disregarded when searching for exact serial number.
- Weekdata – Displaying descriptions for text measurement values.
- Fault Possibilities – Removed duplicates from Product drop down.
- Fault Possibilities – Possibility to enter text for Product number.
- TQ Report – Comment fields are now correct size so all data will be displayed.
- TQ Report – “Overflow” error when Raw_Data sheet containing more than 32767 rows of data corrected.

2.8.2 ReptileNET Client

- Column widths was not saved correctly in Troubleshoot mode, especially when showing and hiding AOI Position column.
- Column Headers now displays ... at end if entire text not visible.
- When exchanging serial marked unit you get a warning that nothing is disassembled/assembled if individual not connected in Bartrack.
- Same validity checks for default macros as when manually adding fault.
- Username could before be saved in lowercase, now it is always converted to uppercase.

2.8.3 Web Protocol Print Service

- Now handles special characters like å, ä, ö and ° correctly.

2.8.4 Store Service

- Store no longer stops when protocol is invalid with fault "Term too long in row...". The protocol is stored in database so it can be handled in Protocol Handling.

2.8.5 QSP Archiving

- Archiving of QSP data now handles AOI data with table CAUSE_OF_FAULT_AOI and the additional column POSITION_AOI in CAUSE_OF_FAULT table.
- Changed from import/export to datapump for handling archiving.

2.8.6 CPK Calculation service

- Threading for PrevMPOK recalculations is added.

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	7(12)
	Ansvarig	Johan Hansson				
Public	Titel	Release Notes Testnet Version 6.8				

2.8.7 New Functions

2.8.7.1 ASO/BASO Functionality

Adaptions in Testnet_Web (Products tab), TFQ web service and QSP Insert service to handle setup of BASO product and automatic setup of corresponding ASO product.

2.8.8 Change Requests

2.8.8.1 Position Extended to 60 Characters

- Position field extended from 10 to 60 characters have implied changes to: both Testnet and QSP databases, ReptileNET client, Testnet_Web, TFQ web service, Vision Transfer service, SAKI and Cyberoptics services, SPU PRIM Server and QSP PRIM Server service.
- A number of other services/interfaces are tested to verify that they still work with the database changes

2.8.8.2 Database – Timestamp added when user last logged in

- Timestamp column added to AUT_USERS which is updated when user logs in either in Testnet_Web or ReptileNET.

2.8.8.3 Assembled By

- New field for Assembled By in Fast Input in Reptile also added the field in correction of tests.
- Display the Assembled By column in Quality Analysis in Testnet_Web.

2.9 Release 6.6.7.1

2.9.1 MI MES Export Service

- Upload files are deleted after a configured number of hours.
- When upload of a file to FTPS server fails, the upload file is deleted and uploaded again.
- Status of each upload to FTPS server is saved to a database table to be able to trace empty zip files.

2.10 Release 6.6.7.2

2.10.1 ReptileNET Client

- Removed the warning, "Nothing is disassembled/assembled if individual not connected in Bartrack" when exchanging serial marked unit, because it doesn't work with swap functionality.
- Corrected faulty choice of fault category when named partly same. For example "TROUBLE" and "FILTER TROUBLE".
- Sometimes Action Code was not updated properly when selecting new Fault Code.

3 TESTNET 6.7

3.1 Release 6.7.0.0

Patch 6.6.7.2 will be a part of the 6.7.0.0 Release.

3.1.1 TMS Phase 2

A number of demands for Test Station Monitoring is implemented:

- TMS Reporting Client - Additional Info dialog existing comment field is renamed and new is added and it is saved correctly in database

Testnet	Datum	Ref	Sidnr
	2015-01-28	KS003A02ENV39	8(12)
	Ansvarig Johan Hansson		
Public	Titel Release Notes Testnet Version 6.8		

- Raw Data Report - Existing comment field is renamed and new comment field is added and both fields can display 500 characters.
- TMS Administration - Import a spare parts list from Excel-file and specify for each test station whether to use the list.
- TMS Reporting Client - Additional Info dialog requesting usage of spare parts list for a test station. The spare parts can also be sorted on either Id or Description by clicking the corresponding labels. It is also possible to add spare parts manually, even if the test station is set up to handle certain spare parts list.
- TMS Reporting Client - Additional Information dialog to add Life Length, in number of cycles, for spare parts.
- Raw Data Report - The field Life Length for spare parts is added in report.
- Spare Parts Report - The field Life Length for spare parts is added in report.
- TMS Reporting Client – Possible to search for information on previous disturbances for specified measurement point to help when troubleshooting.
- TMS Monitoring Client – Possibility to create, copy, edit name and delete monitor layouts. Set different display options for the monitor layout.
- TMS Monitoring Client - Test Station in the monitor blinks until the initial disturbance status is changed to any other status.
- TMS Testnet Web, Reporting and Monitoring Client - Different colors can be used for different disturbance categories.

3.1.2 TFQ Web Service

- Configuration change. Web.config has new information regarding the runtime. Also possible to use relative path. Also TFQWebService.config has been moved to different folder.
- Position is now trimmed and converted to uppercase for functions:
CheckAndCreateComponent
GetAffectedProductsInXML
CheckParametersForCheckAndCreateComponent
CheckPosition
- New function for AOI is added: CheckAndCreateComponents
- Webservice is upgraded to .NET 3.5

3.1.3 Testnet_Web

- Test Station Admin – When searching for cardmark settings the test station combo is now sorted.
- Products – In some cases no hits were displayed when searching for a product with exact r-state and the product had no relations.
- Measdata – Corrected problems when number of rows exceeded 32767.
- Measdata – Hits when filtering on serial number even if tested with different criteria.
- Measdata – Setting correct Highest and Lowest value in Summary/measure point sheet when having very large measurement values.

3.1.4 AOI service

- Performance increased for big files

3.1.5 Change Requests

3.1.5.1 CDBA Data Provider

- Blob files are no longer archived in central archive.

3.1.5.2 MI MES Export Service

- 8 new contracts are added for AOI Inspection data and Manual Inspection.

Testnet	Datum	Ref	Sidnr
	2015-01-28	KS003A02ENV39	9(12)
	Ansvarig Johan Hansson		
Public	Titel Release Notes Testnet Version 6.8		

3.2 Release 6.7.1.0

3.2.1 CPKCalc Service

- Keeping data for PrevMPOK in database table is set by a separate configuration parameter than keeping data for CPK calculations.

3.2.2 MI MES Export Service

- Correction of exporting MI data for contract Repair FaultSearch (Testnet, AOI and ManuallInspection).
- Correction of exporting MI data for contract FaultSearch (Testnet, AOI and ManuallInspection).
- Performance improvement for exporting Intervall data.
- Correction of field MeasurmentValueText in contract MeasurmentValueText to not be formatted as a float value.

3.2.3 QSP Insert Service

- Missing protocols in sequence was handled correctly but counter file was not updated accordingly.
- When not being able to update counter file it was increased for each new attempt.

3.2.4 TMSCalc Service

- Changed saving of yield values to always use point in decimal values.
- Now tests with dates in the future is not included in calculating yield.
- Made changes so fetch from database is not made if no new data found for that test station.

3.2.5 TMS Service

- Changed fetching of yield values to take into account regional settings.

3.2.6 BT Receive Service

- Service stopped on serial numbers less than 10 characters when saving to IDNO files.

3.2.7 PRIM Converter Service

- New service replacing QSP PRIM Server and SPU PRIM Server services.

3.2.8 Testnet_Web

- Modelling - Handling of fault possibilities can now handle empty r-states.
- Modelling - Changed handling of Add and Remove buttons to improve performance for fault possibilities.
- TQ Report - Corrected error when too long sheet naming combinations is used in TQ report, causing sheet names not to be uniquely defined. Now, if a sheet name already exist when creating a new one, a new uniquely defined name will be created based on the beginning of the existing sheet name and the sign “_” and a counter as last characters.
- Machtime – Corrected error in 2010 template when test running over midnight.

3.2.9 Reptile Client

- Changed handling of three input fields Order Number, Serial Number and Faulty Serial Number in Fast Input. The handling was changed because digits couldn't be entered in these fields on one site.

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	10(12)
	Ansvarig	Johan Hansson				
Public	Titel	Release Notes Testnet Version 6.8				

3.3 Release 6.7.2.0

3.3.1 PRIM Converter Service

- For PIWIN files the top parent product number was truncated when more than 15 characters.
- Errors when creating database object was not logged.

3.3.2 MI MES Export Service

- Correction of field faultsearchcomment in contract *FaultSearch* to not contain tab space.

4 TESTNET 6.8

4.1 Release 6.8.0.0

4.1.1 Testnet_Web

- Protocol Handling – Send to logic improved to avoid problems when sending multiple files to queue.
- Archive Search - Reimport logic improved to avoid problems when sending multiple files to queue.
- Teststation Admin – Improved usability that selection is kept between tabs.
- Modelling – Report Places with empty R-state couldn't be removed.
- Modelling – Position kept in tree view when deleting product place.
- Products – Display button didn't work with lowercase characters.
- TQ Report – Improved error handling when running macros.
- TQ Report – Search page gave error when no records in table.
- Quality Analysis – Old error when more than 32767 rows in Excel report corrected. Export to Excel with old office templates limited to 65518 rows due to Excel limitations and Office 2010 is now no limits.

4.1.2 BT Send Service

- Timestamp shall always be sent to Bartrack for use in MI regardless of flag SkipTimestamp.

4.1.3 CDBA Data Provider Service

- Removed join to TEST_BLOB table if configuration set not to archive blobs.

4.1.4 Upgraded to .NET Framework 3.5

The following services are upgraded to FW3.5:

- AXE Converter
- Fetch
- ProtocolPrintService

4.1.5 CPK Calculation Service

- Improved configuration of the service.
- A new CPK calculation method and new skip lists for SampleSkip is added.

4.1.6 TestnetAPI_WS

- A new method to retrieve CPK information using the new calculation method for CPK and new skip lists for SampleSkip.

4.1.7 QSP Insert Service

- Improved error-handling and service configuration.

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	11(12)
	Ansvarig	Johan Hansson				
Public	Titel Release Notes Testnet Version 6.8					

4.1.8 Reptile Client

- Added Trace logging for Reptile communication to CompView.
- Changed to use new function WS_XSwapChild in Barapix WCF instead of disconnect and assemble in separate transactions.
- Protocol Viewer - Curves wasn't displayed correctly if different number of values in point and criteria.
- Now the CompView parameter in configuration file can contain several paths separated by ';'.
- Profile is saved as Pretroubleshoot or Troubleshoot in Troubleshoot mode and Repair in Repair mode even if chosen profile is other. This for correct data always will be sent to MI.
- Flag CacheFileUpdateAtLogin in config file now used to determine whether to delete all xml files at startup or not.

4.1.9 MI MES Export Service

- Correction of setting SendToMIFlag to Y when a Delta job failed.

4.1.10 PRIM Converter Service

- Improved error handling if an exception is thrown when inserting to the database, the file causing the exception will now be correctly put in the corrupt folder.
- Changed some of the exception messages to make a more readable error log.
- PIWIN Parser now checks if the fields in the products have the correct length.

4.1.11 TMS Calc Service

- Improved SQL statement for very time consuming query.

4.1.12 Database

- Improved loading of data for TQ Report.

4.1.13 Change Requests

4.1.13.1 Reptile Client

Changes from "Demand for additional function in Prevas applications (Reptile). The demand contains:

- New form with historic structures from Bartrack.
- Improvements of Reptile for usability concerning mainly History, Troubleshoot and View Protocol forms.

Fat client separated to "thin" client and WCF service for database functions.

4.1.13.2 Testnet_Web - Product Relations

- Possibility added to delete all relations on one level for selected product.

Testnet	Datum	2015-01-28	Ref	KS003A02ENV39	Sidnr	12(12)
	Ansvarig	Johan Hansson				
Public	Titel Release Notes Testnet Version 6.8					

5 DOCUMENTS

Customer documents delivered with Testnet 6.8 are:

Reptile User Guide	KS003M0078B01V12 Reptile User Guide.pdf
System Administrators Manual	KS003B02ENV20 TESTNET68 System Admin.pdf
Testnet User Guide	KS003B03ENV20 TESTNET68 User Guide.pdf
Target Environment Specification	KS003A01ENV15 TESTNET66 Target Environment Specification.pdf
Release Notes	KS003A02ENV39 TESTNET68 Release Notes.pdf
TFQ Web Service Interface Description	KS003B16ENV3 TFQ_WS Interface Description.pdf
Testnet Web Service Interface Description	KS003M0084B01ENV14 TestnetAPI_WS Interface Description.pdf
ReptileAPI Interface Description	KS003M0078B02ENV1 ReptileAPI Interface Description.doc