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	Issued by Johan Hansson					
Public Document	Title <b>Release Notes</b>					

## Release Notes

# Bartrack 1.5

### ***Abstract***

This document describes the changes since the 1.3.0.0 version of Bartrack.

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## 1 GENERAL

This document describes the changes and corrections implemented in Bartrack 1.3 and the versions beyond. It is written in a comprehensive non-technical style.

Description of changes in Bartrack 1.1.4.2 and earlier can be found in the document KS001F08ENV17\_BAR\_WIN\_11\_Release\_Notes

The full description of new functions can be found in the documentation, and is referenced where applicable.

## 2 BARTRACK 1.3

### 2.1 Version 1.3.0.0

A new .Net client is available.

New services in Bartrack:

- Bartrack service, used by the new .Net client
- Alarm service, handles alarms created by Bartrack.
- Barapix service, replaces the SFT services using MSMQ. The Barapix service and the SFT services may be started simultaneously.
- Order receive, replaces the old OrderRec service. The services must not be started simultaneously if they use the same "IN" folder.
- A new version of Barapix.dll that communicates with the Barapix service.

#### 2.1.1 Flow control.

Problem: Purchased individuals could not be shipped or stored.

Correction: Individuals received from Tracy or manually registered are set to have completed the defined flow control.

#### 2.1.2 Rejected order files

New functionality to handle rejected orders is implemented in the new .Net client.

Note! It is not implemented in the Java client.

#### 2.1.3 Exhausted number ranges

An alarm is sent to the Alarm service when number ranges are exhausted or almost exhausted. The Alarm service could be set up to send a mail when this occurs.

Note! It is not implemented in the Java client.

#### 2.1.4 New naming of files to Tracy

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The request file:

- new name EDIREQUEST\_<dateandtime>\_<serialno>.UT
- old name EDIREQUEST.UT\_<dateandtime>\_<pid>

The informaton file:

- new name EDIINDIVIDS\_<dateandtime>\_<serialno>.UT
- old name EDIINDIVIDS.UT\_<dateandtime>\_<pid>

### 2.1.5 New environment variables on the server

Environment variables:

- BAR\_LICENSE\_DIR, path to the license file folder, e.g. C:\Bartrack\Apps
- BAR\_TCY\_DELAY\_TIME, how often the TCY-receive service shall search for files.

### 2.1.6 Empty R-state in Order structure

Problem: Product without R-state has to be created manually or automatically when a product without R-state is specified in the orders B-record.

Correction: If a product without R-state is specified in the B-record, then the revision in the order structure is stored with the products lowest found R-state. No new R-state is created.

Note! It is only implemented in the new Order receive service.

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## 2.2 Version 1.3.0.1

### 2.2.1 Stored procedures.

Problem: The newest record was replaced when inserting in the ALARM\_LOG table.

Correction: The stored procedure DbiAlaInsert was changed to replace the oldest record.

### 2.2.2 BarApix service

Added functionality to send alarm when number ranges are almost exhausted.

### 2.2.3 Configuration file default values

The Databases.Config file for the Prevas BarApix service is changed, the value for the poolobjects is changed to 40.

The Databases.Config file for the Prevas Bartrack service is changed, the value for the poolobjects is changed to 40.

The Bartrack.Host.exe.config file for the Prevas Bartrack service is changed, serviceThrottling parameters added.

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## 2.3 Version 1.3.0.2

### 2.3.1 TcyRec service – serial number.

Problem: Serial numbers which consists of 13 characters was not handled properly.

Correction: All 13 characters are handled.

### 2.3.2 TcyRec service – product number.

Problem: Only Ericsson product numbers was approved.

Correction: All product numbers are approved.

### 2.3.3 Client (.Net).

Correction/Changes:

- Error when changing additional numbers corrected.
- No warning is shown when creating a product without revision.

### 2.3.4 Order receive

Correction/Changes:

- Product number containing origin code with length of one character is now accepted
- Product number prefix with three characters is now accepted
- It is now possible to set a maximum file age for files residing in the history and rejected folders.

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## 2.4 Version 1.3.0.3

### 2.4.1 Client (.Net).

Correction/Changes:

- The correct product is viewed in the product data tab when a new product revision is created.
- Date and Year/week is handled correctly when registering a serial number manually.
- Error when assembly with automatic shipping corrected.

### 2.4.2 Order receive

Correction/Changes:

- Handling of empty product revisions corrected.





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## 2.5 Version 1.3.0.4

### 2.5.1 Client (.Net).

Correction/Changes:

- Displaying order content corrected the symbol “->” is NOT displayed in the product number column.

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## 2.6 Version 1.3.0.5

### 2.6.1 Test Production Comment.

Problem: Changes of TPC for an individual was not sent to external systems.

Correction/Changes: The individual data including TPC is sent to external systems when TPC is changed.

### 2.6.2 Order handling.

Problem: Large order files caused errors in the Order Receive service.

Correction/Changes: Configuration of the Bartrack service changed to handle large files from the Order receive service.

### 2.6.3 Client (.Net).

Correction/Changes:

- Storing exact revisions in the "Define Product Structure" tab is corrected.
- Handling of intervals in quantity in the "Define Product Structure" tab is corrected.
- Handling of "Keep Product Number and R-state for next individual" in the "Change individual Information" tab is corrected.

### 2.6.4 Print report event.

Problem: Internal Bartrack Error when user tries to STORE/SHIP an individual. A database cursor was not closed when the product is set up for printing a structure report and the user has not selected a "STRUCTURE\_REPORT\_GROUP" printer.

Correction/Changes: The cursor is always closed.

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## 2.7 Version 1.3.1.0

### 2.7.1 BarHistory service.

New service introduced in Bartrack.

### 2.7.2 Test category missing when updating test status via Barapix.

Problem: Sometimes the test category is not updated when the test status of an individual is updated via Barapix.

Correction/Changes: A bug in the SFT module is removed.

### 2.7.3 TcyRec service – multiple threads.

Problem: Large subscription files from Tracy is blocking individuals that are requested from Tracy.

Correction/Changes: TcyRec runs 3 threads. Thread 1 reads subscription files, thread 2 reads request files and thread 3 reads total files.

### 2.7.4 TcyRec service – error logging.

Error logging is reduced.

### 2.7.5 Files to Tracy – blanks in filename.

Problem: Files to Tracy sometimes contains blanks in the filename.

Correction/Changes: Blanks removed.

### 2.7.6 Files to Tracy – filenames.

The files to tracy are named:

- EDIINDIVIDS\_\*.UT
- EDIREQUEST\_\*.UT
- EDITOTINDS\_\*.UT

### 2.7.7 Manufacturing units.

New manufacturing units received in B and C records from Tracy are inserted in the Bartrack database.

Max. number of manufacturing units shown in the .Net client is extended to 2000 rows.

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### 2.7.8 Order handling.

Problem: Several orders with many order items cause timeout in order receive.

Correction/Changes: Orders are sent one by one. The Send Timeout parameter is added to the Order Receive configuration file, value is set to 5 min.

### 2.7.9 Ericsson Product numbering rules.

Rules specified in the document 0012-124 Uen rev H is used to validate Ericsson Product numbers.

Rules have become less strict.

### 2.7.10 Product formatting.

Bartrack tries to format Ericsson product numbers with blank characters. This is done in the client, TcyRec service and the Order receive service.

Correction/Changes: Possible Ericsson product numbers are formatted only if the unformatted product number does not exist in the Bartrack database.

### 2.7.11 Product/revision sort columns.

The size of the columns sort\_prod\_no and sort\_revision in the product table are extended to prevent overflow when calculating the sort values.

### 2.7.12 Forced store.

Forced store is available in the BarApix api (both dll and WCF).

### 2.7.13 Labels – wrong information.

Problem: When printing labels for a range of individuals, the information is sometimes wrong..

Correction/Changes: A bug is removed.

### 2.7.14 Client (.Net).

Correction/Changes:

- Handling of entering product number in the “Product Preparation” tab is corrected.
- When an error message is shown the “confirm” button is not in focus. This prevents error messages from being confirmed by mistake when scanning e.g. serial numbers.
- In the “Rejected orders” tab the orders are sorted by order date.
- In the “Rejected orders” tab the date is always shown in the format YYYY-MM-DD
- Default value of the Ericsson compliance check box when creating a new product is configurable.
- Forced store is a new function in the “Store” tab. It is configurable if the button is enabled or not.



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- A proper error list is displayed e.g. when changing revision for a range of individuals.
- The name of a printer queue is allowed to be 256 characters. The size of the printer name is still 22 characters.

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## 2.8 Version 1.4.0.0

### 2.8.1 Files to Tracy – filenames.

The files to tracy are named:

- EDIINDIVIDS\_\*.UT
- EDIREQUEST\_\*.UT
- EDIINDTOT\_\*.UT

### 2.8.2 TcyRec service – configuration.

The threads in the TcyRec service could be configured to handle small and large files.

An environment variable specifies the minimum size in bytes of a large file.

The “Request” thread handles small files and the “Subscription” thread handles large files.

### 2.8.3 TcyRec service – new functionality.

Scrap. Z–record - Is now accepted and handled by Bartrack.

Structure delete. S–record, Action=D. Is now accepted and handled by Bartrack.

### 2.8.4 TcyRec service – changes.

B-records and C-records are now accepted and handled regardless the individual status (Shipped,Scrapped or ..).

### 2.8.5 Client (.Net).

New functionality/Correction/Changes:

- New functionality in the Label Preparation tab. It is now possible to upload label files to the Bartrack server.
- The Show Data tab is corrected. It is not necessary to click the serial number input field before scanning a new individual.



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## 2.9 Version 1.4.0.1

### 2.9.1 Forced store .

Problem: B-records are not sent to Tracy.

Forced store is corrected to send B-records to Tracy.

### 2.9.2 Client (.Net).

Correction:

- Handling of Store and Forced Store is corrected.
- Ordernummre changed to Ordernummer.

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## 2.10 Version 1.5

### 2.10.1 Multiple TPC (Test Production Comment).

Problem: Only one TPC was allowed to exist in a structure.

Changes: Several TPC are allowed to exist in a structure and several TPC are sent to external systems.

### 2.10.2 Automatic preparation of ASO products.

A Product can be marked as a BASO product (e.g. ABC 123 123).

Not prepared ASO products (e.g. ABC 123 123/001) received in the Order and Tracy interface are automatically prepared if the BASO product exists.

### 2.10.3 Label printouts.

Extra label printouts are logged to the history log.

### 2.10.4 Barapix (WCF).

A bug in the Create individual method is corrected.

A new method to update manufacturing unit is added.

### 2.10.5 Barapix (DLL).

A new version 1.5 of Barapix is available.

A new method to update manufacturing unit is added.

### 2.10.6 Uploading label files.

The encoding when reading (client) and writing (server) a label file is configurable.

### 2.10.7 Open Tracy files.

Problem: Bartrack does not handle files to Tracy in a proper way. Sometimes temporary files are left opened. When more than 500 files are open then no more files can be created.

Correction/Changes: The files are always closed.

### 2.10.8 TcyRec service – X-record.

Problem: A bug (uninitialized variable) when receiving a X-record causes TcyRec to crash.

Correction/Changes: The bug is removed.

### 2.10.9 Client (.Net).

Correction/Changes:





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- In the Order data tab it is possible to use CTRL-A to select the whole Config Key.
- No printer has to be defined in own settings when an individual is "Stored" and no printout events are defined.
- The Print Label tab is corrected. The serial number field is always in focus and marked after a printout.



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#### 2.10.10 TracyService

New mail component: Limilabs mail.dll to handle SMTP and IMAP connections. Old EasyMail dll-s are obsolete.

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### 3 TARGET SYSTEM

The Bartrack system has the following building blocks:

- Bartrack core (Windows)
- Database (Oracle 10)
- User interfaces (Web)
- MSMQ interface called SFT on the server
- Bartrack service used by the .Net client
- Alarm service
- Order receive service
- Barapix service interface whit the same functionality as the MSMQ interface
- Two different Windows-DLL's called BarAPIx that communicates with the SFT services or the Barapix service.

### 4 DOCUMENT VERSIONS

Version	Date	Comment	By
V01	2011-08-29	Release version 1.3.0.0	MAHR
V02	2011-10-18	Version 1.3.0.1	MAHR
V03	2011-11-18	Version 1.3.0.2	MAHR
V04	2011-11-24	Version 1.3.0.3	MAHR
V05	2011-12-09	Version 1.3.0.4	MAHR
V06	2012-01-24	Version 1.3.0.5	MAHR
V07	2012-08-21	Version 1.3.1.0	MAHR
V08	2012-09-25	Version 1.4.0.0	MAHR
V09	2012-10-24	Version 1.4.0.1	MAHR
V10	2013-02-20	Version 1.5	MAHR