



Release Notes

EvoTAPA Software (Verifone)

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By	Jan Ørsted

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1 | Release Notes

1.1 Version 3.7.10

Release Date

13.07.2018

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Only for VX820
- Build date added to tprops

Changed functionality

- Screen layout during fallback
- CashBackPoint disabled

Bug fixes

- Better fallback handling from ctls
- Better abort handling including PSAM restart
- Correct handing PSAM secure hash if previous transaction was aborted

Release Date

01.06.2018

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support for all terminal types
- Build date added to tprops
- Possible to get shorter timeout for Dankort. Contact Verifone

Changed functionality

- Better VAS logging

Bug fixes

- Connection error GPRS terminal when transaction amount is below cvm limit
- Internal cleanup
- Better handling Dankort ctls

Release Date

27.04.2018

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- **Support for all terminal types**
- **Support for MobiltDankort lock screen payment**
- **New beacon version 2.12**
- **New MobilePay version 1.12**
- **Possible to start MIF prior to card insertion**

Changed functionality

- **New default value for MCVM**
- **BLE is now closed during Admin functions**
- **Hardware ver. changed to 2.0.00**
- **All transactions are declined and terminal display "Psam closed" when the PSAM is closed**
- **BLE firmware version 8**
- **Forced ctls above cvm limit now result in a fallback instead of declined**

Bug fixes

- **Better Json error handling**
- **Better HTTP error handling**
- **Better startup flow VX680/VX690**
- **MIF better handling of single application card**
- **Signature is now visible on MU when started**
- **Correct Merchant unit git tag**
- **Tokens report**
- **Supplementary authorisation**
- **Better MobiltDankort handling**

Release Date

27.02.2018

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Only for VX820
- MIF phase 2
- Support for PSAM servicepack 3
- PSAM EMV kernel 4.3f

Changed functionality

- Added beep when transaction is started
- Changed from cvs tag to git tag on terminal report

Bug fixes

- Ensure correct receipt width after reconciliation report
- Better fallback handling
- Internal cleanup

1.2 Version 3.7.09

Release Date

30.01.2018

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

New EOS version 2.8.19.1

New functionality

- **Support for all terminal types**
- **PIN protection for SIM2 on VX690**
- **Support for white label psam**

Changed functionality

- **Uniform screen layout**
- **OS release date information added to string sent to LoadPoint**
- **Destination folder for Mptrace is changed from user to Log**
- **Faster SIM handling**

Bug fixes

- **Better Wi-Fi handling for VX680 and VX690**
- **Clear Beacon data on terminal report if card doesn't startup correctly**
- **Correct display message during EOD**
- **VAS response is now sent to Spinconnect server**
- **Contactless entry is now read correctly from param.ini**

- Add DCC to contactless transactions
- Sometimes PSAM installation failed with FFF3

Release Date

13.12.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

New functionality

- Only for VX820
- Send a delete message to NSS during startup
- Longer timeout on SetCardData
- Possible to reboot VX820 directly from keypad
- Terminal Mac Address on Terminalreport and in Admin
- AdviceLog to Merchant

Changed functionality

- New Cardslot driver version 25

Bug fixes

- Better handling HTTP messages
- Better handling Gratuity and MobilePay
- Better Resource handling
- Better Beacon handling

- **Better handling card errors**

Release Date

08.11.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- **Only for VX820**

Changed functionality

- **New logos for Dankort and MobilePay**
- **Secure scripts version 0201**

Bug fixes

- **Better handling ADPU retransmission**
- **Better handling SSL connections**
- **Resource Leak**

Release Date

21.09.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Only for VX820

Changed functionality

- New DCC files
- Cashback on MobiltDankort transaction

Bug fixes

- Better handling Beacon

Release Date

07.09.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Only for VX820
- Added "Tryk * for QR menu"

Changed functionality

- Faster transaction with MobiltDankort
- New receipt layout for MobilePay

Bug fixes

- Cashback with MobiltDankort

- **CashBackPoint**
- **Better handling NotificationServer**

Release Date

04.08.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

New OS version QT000500 New EOS version 2.8.12.2.

New functionality

- **Only for VX820**

Changed functionality

- **New cardslot driver version 21**

Bug fixes

- **Better handling cancel from ECR when MobilePay**

1.3 Version 3.7.08

Release Date

22.05.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support for MP Bulkref

Changed functionality

- Don't abort MobiltDankort if a chipcard is inserted
- Use terminal specific idle logo height

Bug fixes

- JCB Refund
- Beacon more robust if errors encountered
- Better handling of DHCP on VX820
- Better resource handling

Release Date

21.03.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support for all terminaltypes

Changed functionality

- NONE

Bug fixes

- NONE

Release Date

02.03.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

- New EOS -

New functionality

- New MobilePay endpoint and certificate

Changed functionality

- NONE

Bug fixes

- Abort handling

Release Date

15.02.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- NONE

Changed functionality

- NONE

Bug fixes

- Text cleanup

Release Date

13.02.2017

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- MobilePay 1.10

Changed functionality

- Swipp removed
- CBP removed

Bug fixes

Release Date

13.12.2016

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- JCB kernel added
- Mobilt Dankort added

Changed functionality

Bug fixes

Release Date

14.11.2016

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Swipp improvements
- CRC-ID and pan added to indentify VAS
- Dual sim failover
- Menu added to en/disable Wifi
- Silent abort possible

Changed functionality

- **Forced offline no longer uses MI bypass flow**
- **Fee calculation**
- **Faster program download**
- **support for 3 digits packagename**
- **Higher beep when customers leave card in terminal**

Bug fixes

- **E-receipts added to Setcarddata**
- **Better handling of NFC receipts**
- **Issue related to wrong TCC on receipt**
- **Better handling of offline transaction**
- **Better handling of VAS**
- **Better handling of Wifi**
- **Better handling of CBP**
- **pre auth isn't possible when disabled**
- **Contactless flags added to GetTerminalProperties**

1.4 Version 3.7.07

Release Date

19.04.2016

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

– NONE –

Changed functionality

- Swipp release 1.00
- Swipp installation
- Swipp support for BLE

Bug fixes

– NONE –

Release Date

09.01.2016

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Forced offline NFC Dankort and VisaDankort below CVM limit
- XML protocol expanded to support more than one host (Swipp)

Changed functionality

– NONE –

Bug fixes

- Issue related to Param download
- Issue related to PUK on Sim card
- Better handling of fallback transaction
- Better handling of Cash Back transaction

1.5 Version 3.7.05

Release Date

07.07.2015

Maintenance release

The following maintenance release (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- **Support NFC Dankort and VisaDankort**
- **Support mifare ultralight**
- **Support Vx820 with merchant unit**
- **Support ethernet over bluetooth (VX690)**
- **Support dual Sim (VX690)**

Changed functionality

- **Rebranding to Verifone**
- **Upgrade to TLS V1.2**
- **Don't reset printer contrast during boot (VX690)**

Bug fixes

- **Wi-Fi incorrect password does not allow scan (VX690)**
- **Better battery lifetime (Deep sleep VX690)**
- **Better fallback handling**
- **Better user interface handling**

- Issue related to wrong TCC on receipt

1.6 Version 3.7.04

Release Date

18.03.2015

Maintenance release

The following maintenance release (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support Vx690
- Test of NFC reader added in Admin
- Spilt NFC commands against the psam

Changed functionality

- Combine admin menu 15 and 17

Bug fixes

- Better parsing of system.ini
- Better check of currencies when using NFC
- Better fallback handling
- Better data store control and logging
- PAN error related to Spinconnect

1.7 Version 3.7.02

Release Date

04.09.2014

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support Vx680 3G

Changed functionality

- Transaction speed improvement
- If the amount is 0, it is displayed during PIN-entry

Bug fixes

- Improve RS232 ECR communication
- Issue related to wrong ASW from complete message
- Remove the DCC.crt warning during boot
- Reduce the decline message display time when falling back to IC
- Issue related to wrong CRC in binary receipt has been fixed
- Issue related to missing data on end-of-day report

1.8 Version 3.7.01

Release Date

05.08.2014

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- **Transaction Trace for datastore offline error**

Changed functionality

- **Print OS build date on terminal report**
- **Transaction speed improvement**
- **Force ECR offline transaction to always use Bypass flow**

Bug fixes

- **Display error related to gratuity on Vx520C**
- **Issue related to PINPAD synchronization**
- **During boot, Vx680 Wi-Fi terminal displays a "No battery attached" warning, similarly to the GPRS model**
- **Now it is possible to boot and interact with a Vx680 with no battery attached**
- **Minor text correction related to capture and gratuity**
- **Issue related to wrong timestamp on cancellation receipt**
- **Display error related to receipt copy function**
- **Format error in APACS header**

- Improve ECR connectivity related to ECR restart

1.9 Version 3.7.00

Release Date

14.07.2014

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- Support for NFC
- Support for Vx520C
- Now a new terminal can be setup locally by the easy-installation
- Spinconnect is now supported on Vx520
- Now the terminal is able to disable ape/dape in the PSAM if it conflicts with the terminal configuration

Changed functionality

Bug fixes

- TCS settings are now printed on terminal report
- ClerkID is now printed on receipt

1.10 Version 3.5.04

Release Date

13.03.2014

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

- **CheckCardNoDialog**

The administrative function CheckCardNoDialog, makes it possible to check for card removed after a transaction without a dialog popping up.

- **Idle3**

The administrative function Idle3 used to wait for cardswipe now close quickly after you have told it to stop in callback BreakIP.

- **TerminalProperties**

The TerminalProperties (PropsGetLabels and PropsExtendedReceiptLabels) no longer show a result dialog.

Changed functionality

Bug fixes

- **Authorisation code on receipt**

An authorisation code is written on the receipt if it is received from the PSAM.

- **Currency should be merchants**

When merchant is entering amount it is always in merchant currency, and never in cardholders.

1.11 Version 3.5.03

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

- Loadpoint

New functionality

- **Option to enter username + password when entering APN.**
- **Handling of Secure Hash to Electronic Receipts.**
Handling of Secure Hash to Electronic Receipts has been added.
- **Drop the IP connection or reboot terminal on another port.**
ECR connected via IP can now drop the IP connection or reboot terminal on another port.
- **Electronic receipt added.**
storebox.dk has been added as an electronic receipt.
- **Full terminal name displayed.**
Full terminal name is now displayed on terminal report.
- **Disconnect USB/serial.**
Try to get a new connection on the device in case of this error instead of just stopping.
- **Clerk ID selection on screen.**
- **Added support for extra application interface.**

Changed functionality

- **Changed resolution on timers.**
Our Linux LIB now has millisecond resolution as default on some internal timers, giving a more responsive experience. The old 1 second resolution can be selected by flxSetConfiguration(CONF_USE_GETTIMEOFDAY). Cleanup in the Linux LIB low level trace file. Added stability after cleanup in some internal structures.
- **Loading of logo.**
Point's default idle logo is only loaded if no customer logo is present
- **Better abort handling.**
Better handling of USB reconnect, giving quicker response to connect
- **Refund receipt is printed as one long receipt.**
The terminal pauses printing after cardholders part of the receipt has been printed, showing the text "TRYK". This way it is possible to separate cardholders receipt, from merchant receipt
- **Misleading "OK" button on "CONFIRM AMOUNT" screen.**
"OK" button in "Confirm Amount" screen is now replaced with text "OK"
- **Clean chip card reader.**
On the OPU we now display "RENS KORTLÆSER" along "INGEN KVITTERING".

- **Signal when teleload is finished.**
We can send a message to a external server as teleload has finished.
- **Big fee table upgrade.**
The fee table has been expanded for more entries.
- **Download image solution.**
Option to delete downloaded image implemented.

Bug fixes

- **TeleDone status not sent.**
TeleDone status is now sent
- **Terminal starts a zero transaction when inserting some cards.**
Terminal no longer starts a zero transaction on some cards
- **Transaction screen same on local cards and normal cards.**
Local card has now the same transaction screen as normal card.
- **SUT: INFO button will ask for card after printing temporary receipt.**
After pressing INFO button and a gratuity receipt is printed, the terminal does not ask to insert card.
- **More than 12 digits in to PIN.**
When pressing more than 12 digits in to PIN, the terminal does not get a technical error.
- **Prepaid Scanned Purchase Causes Hang If Not Configured.**
We now stop the transaction with asw 1703.
- **Terminal connected via IP should be able to drop IP and reset (restart).**
A message can be sent to the terminals IP port 2001, to either drop the IP connection or restart the terminal.
- **“Retrying” no longer displayed.**
When insert card first and then make a refund, “Retrying” is no longer displayed.
- **Terminal no longer hangs “System Error” or “No Receipt”.**
Terminal no longer hangs after printer lid has been opened, and after 10 minutes the lid is closed again when terminal is running SUT or OPU.
- **Amount is entered in kroner.**
If card is inserted first, amount is entered in kroner instead of øre.
- **Download image fails if no image file exist.**
- **Wrong date-time format on TCS data.**
- **PSAM update failed when shifting from APE/DAPE.**

1.12 Version 3.5.01

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

- All Text files now signed with the rest of the package.

New functionality

- 2 Wifi entry now possible. This means “point klargøring” will for future Wifi terminals be possible.
- Manual APN Entry now possible in Setup menu
- Added PIN/puk support for GPRS SIM card
- Logo Image now possible
- Amounts in whole kroner
- SpinConnect now possible on VX 680 Wifi

Changed functionality

- Menu keys moved on the VX 520 – now use the F-Keys

Bug fixes

- If no sim card is inserted during start on a VX 680 GPRS, the text will be written on top of “AVENTER SIM KORT”
- If the VX 680 Gprs run out of battery, and you charge the terminal Again, it don't reconnect the mobile network Again
- Send log Failed or hanged
- TCS functionality
- On VX520/VX820, the USB connection fails to ECR
- wlan scan does not show access points after second connect VX 680 Wifi

1.13 Version 1.0.01

Maintenance releases

The following maintenance releases (that relate to changes outside the TAPA software – i.e. terminal platform, scripts or signed texts) have been issued:

– NONE –

New functionality

– NONE –

Changed functionality

– NONE –

Bug fixes

- If fee is active, There is fee on (Dankort & Visadankort)
- VX 680 GPRS gets communication error after a unknown number of transactions
- E-kvitterings functionality completely inactive when not enabled

1.14 Version 1.0.00

First Version

- The version 1.0.00 is ported from Banksys Ver. 3.4.06 to VeriFone Ver. 1.0.00.

New functionality

- **Support for VeriFone VX 520, VX 680 Wifi/Gprs, VX 820**
The terminal SW can now function on VeriFone VX 520, VX 680, VX 820.

Changed functionality

– NONE –