



PAYMENT TERMINAL SOFTWARE

RELEASE1 2016

Date: 07.07.2016

Highlights:

In this release Nets introduces:

- A new terminal model – contactless reader for the iSelf Services - iUC150B
- Two new languages: Estonian and Polish
- Quasi Cash
- Cashback on Finnish terminals

About the release:

SW version 04.72

Test version 41.67

This release is for

- IUP250 + IUR250, iUC180B+iUR250, iUP250+iUR250+iUC150B
- ICT250E, ICT250EG, ICT220E, ICT220EG
- IWL220, IWL250G, IWL250B, iWL255G(3G terminal)
- IPP350
- iCM122, iSMP Companion terminals

Pay@Table is supported in this release.

Terminal languages:

1. Both merchant and cardholder: NO, SE, DK, FI, EN, DE, HU, ET, PL
2. Only cardholder language: FR, ES

Availability

Contact your local sales support team or Account Manager for more information about this release.

New hardware model – iUC150B

- Contactless module for the iSelf Services



The iUC150B enables you to start accepting contactless payments when connected to the iUP250. This device is one of the most compact units on the market and it is easy to mount. The device can be fitted to the machine, either fully on the outside with only 5 small holes needed to be drilled or inside with a CDM or SDM EVA plate. Detailed information, CAD drawings and mounting instructions can be delivered upon request.

Quasi Cash

Quasi Cash are financial instruments that are directly convertible to cash but are not legal tender in the country where they are received. Examples include traveler's checks, foreign currency, money orders (which are similar to paper checks, but may be issued by non-financial institutions such as post offices), stored value loads, gambling chips, precious metals, savings bonds, and money transfers.

The following MCC codes are indication of Quasi Cash.

Post office (4829)

Exchange bureau (6051)

Truck stop (7511)

Gambling & Casino (7995)

This functionality addresses merchants where the acquirer expects support for Quasi Cash functionality. Please contact your acquirer for an agreement.

Support for Estonian and Polish Language

Support for two new languages; Estonian and Polish.

The customer language strings (display texts to customers) and merchant languages strings (menus, receipts and display texts to merchants) are updated with Estonian and Polish strings.

For Poland we have introduced currency PLN; Polish Zloty.

Cashback (Purchase + Cashback)

We currently support cashback for BankAxept in Norway, domestic cards in Sweden and Dankort in Denmark.

In this release we also support international cashback in Finland for Visa and MasterCard. Visa currently only allow international cashback in Finland of the Nordics countries.

Multicurrency in Pay@Table

Pay@Table with multi-terminal configuration is added to support selection of merchant in multi-terminal from Pay@Table application in order to proceed with the transaction.

Pay@Table is an application used in restaurant environment which issues payment requests to Viking application. The payment request API for merchant selection in Multi terminal setup offered by Viking is now expanded.

The merchant will be selected based on the transaction currency supported by that particular merchant in order to proceed with the transaction.

Standby mode for iUN

The iSelf Series terminals have support for a standby mode which lowers power consumption considerably. This feature has now been enabled in the Viking application and is ideal for those merchants who rely on battery and solar power for their self-service machines. Standby mode can be initiated either by the terminal itself if parameter is active or by a specific command from the ECR. When the terminal is put into standby mode it will wake up and be ready for use within five seconds when wake-up impulse is generated. The terminal can receive this impulse by either pressing the ok button, a card insert or from a host device.

Improvements

DCC improvements

1. Currency selection prompt

Currency selection prompt will display Card holder currency on first line and Merchant currency on second line (In older releases this was opposite). Default there will be no selection or highlighter (In older releases merchant currency was preselected and highlighted). If Card holder presses OK without selecting a currency, terminal will display error message.

2. Support for currencies with more or less than 2 decimals

Support currencies where the number of decimals is other than 2 according to ISO 4217. i.e. Print the correct number of decimals on the receipt. Use the correct number of decimals in the authorization.

New Json exponent "exp" tag implemented, DCC request and response are updated with this additional optional data.

iSMP – Print of EAN8 and EAN 13 barcode is enabled

It has been observed an issue while printing EAN8 and EAN13 symbologies causing terminal reboot. Terminal prints EAN8 and EAN13 barcode has been disabled in previous release. This issue is now resolved and print of EAN8 and EAN13 barcode is enabled.

Incidents resolved

iSMP barcode – not supported barcode mode 0x60

Since the terminal did not support barcode mode 0x60 this lead to that the raw data field was blank. Support for this is now added.

Cutter support doesn't work

Cutter support doesn't work with SW version 0461.This is now fixed.

Terminal stops sending keep alive messages

There is an issue if one particular condition is met then TCP connection is ended from terminal side and never restored back till anything is initiated from terminal. No "Keep alive" messages will be sent during that period from terminal. This is now resolved.

Times out when should send rejected local mode

Steps to reproduce this issue:

1. Insert card
2. Send 313C
3. Cancelled by operator
4. Remove card
5. Baxi times out

Terminal should send the local mode rejected. ECR events not handled well in "CardTxnInitiatorSM::waitForEcrStateHandler". This is now resolved.

BankBranch TA39 does not work after TLD req

A fix for this is introduced in the SW version.

Wrong signature on iUN (Pre-auth)

In version 0461 on iUN terminals for pre-auth transactions the receipt comes with a "Signature" field. This line is removed in this SW version.

Upgrade of iSMP causes it to loose connection with ECR

Because the BT pairing component is upgraded during this SW upgrade it may happen that the terminal will lose connection with ECR. If it happens, the fix is to re-pair the terminal with the ECR device.

Misleading text on receipts

It has been observed that in some declined transactions the text is misleading. In addition to the declined text the text APPROVED is on the same receipt.

In this case the transaction is declined and no charges are made to the customer. The text APPROVED is now removed from the receipts.