Easy V Terminal 2.2.4.2 (UK) Release Notes

May 2011

Purpose

This document accompanies the release of Easy V Terminal (UK) version 2.2.4.2 and details changes since release v2.2.0.0.

Timescales

The release will be available for download from 12th May 2011

Release

This release is provided as a full installation.

The auto update mechanism is now available for any outlets running v2.1.6 and above. The mechanism can be used to upgrade to v2.2.4.1 following acceptance testing.

New Features

a) End-to-End Key Management provides protection to stored data and certificates reducing PCI-DSS scope. Also, only a single instance of a given terminal will be allowed.
b) Pennies Donation feature allows a transaction top-up or round-up during timed periods to be offered to the customer. The donation value is settled via The Pennies Foundation (www.pennies.org.uk) who passes the donation to the registered charities. No further integration is required for this feature.

1) Version 2.2.4.2

a) Added support of Pennies donation functionality for Sale transaction.
b) Provided DCC amount, converted currency name and exchange rate in response of DCC transaction.
c) Added new truststore file.
d) Added end to end key management to protect stored transaction data and certificates.
e) Added auto-recovery mechanism in case EVT gets failed/exception during key change.
f) Changed PAN Sequence number from 1 digit to 2 digits in receipt.
g) Added Crypto Info Data and Cryptogram of First Gen AC in capture request for Chip Referral and Chip Refund Transaction.
h) Added Check for 4 Digits CVV for AMEX and 3 Digits CVV for other Cards.

Configuration (2.2.4.2)

i) Removed registry mode support from this version onwards.
j) Added en.currency.826 key value (\u00A3) for Vx810 and Vx670 and GBP for Secura.
k) VX 810 USB now tested. This will require the firmware to be loaded with the USB com mode and the Verifone driver installed. This will also work on all versions supporting the Vx810.

NB - DCC and Pennies donation transactions are not supported with SC5000 Terminal.

2) Version 2.2.4.1

a) Added new truststore file.
b) Changed jre path from jre1.6.0_04 to jre1.6.0_20 for calling software upgrade module.
c) Integrated support of DCC for Keyed, Swipe and Chip transaction for Attended mode.
d) Integrated support of merchant subscription wallet Charging and refund functionality.
e) Added support for per-fill address details for CNP transaction.
f) Added support for more than 16 numeric characters for Address and Zip code in AVS details.
g) Added support of DCC Transaction with Vx810, Vx670 and Secura Pinpad.
h) Added STS-0228 library.
i) Fixed issue with processing transaction request when we cancel last transaction while it is in progress.
j) Extra receipt was generating when Cancel Last Transaction is performed.
k) Changed bank MID to Yespay's MID for X and Z report request.
l) Changed message from 'Insert Card' to 'Insert/Swipe Card' on pinpad.
m) Fixed issue with PGTR missing in duplicate receipt.
n) Fixed issue with Gratuity entry using Vx810.
o) Fixed issue with duplicate receipt for missing Gratuity field.
p) Introduced Card Holder Name in the response of Check Card transaction, when we use Chip Card.
q) Added handling to allow partial entry in the request for CNP transaction with AVS details.
r) Fixed issue with Removed Card Message when transaction cancelled from pinpad.

Configuration (2.2.4.1)

s) Introduced password protection for YESEFTConfig.exe.Default user ID: Administrator and Password: admin12.
t) Modified properties for Vx670 Pinpad

3) Version 2.2.2.3

a) Fixed issue with processing input.txt multiple times causing duplicate transactions.
b) Fixed issue with Additional Response Message 'Null': EVT will reverse the transaction if additional response data is null.
c) Changed response timer timeout from 2 minutes to 4 minutes.
d) Fixed problem with double click on Accept/Reject button causing duplicate transactions.
e) Fixed issue with false declines sometimes resulting in duplicates.
f) Fixed issues with response code 10 causing duplicate transactions.

g) Fixed problem with cash back transaction: Cash back amount entry timeout was 20 seconds for C&P and 2 minutes for Swipe. These have been removed at the time of Cash Back Amount prompt.
h) Fixed form position: When we click on Cash Back Amount Entry form.
i) Provided message for Blocked Card as "Card Blocked" on Pinpad.
j) A message will be printed at the end of Receipt if it is present in EFTMerchantDataset.xml.
k) Modified creation of merchant subscription wallet functionality.(v2.2.2.2 is no longer compatible with wallet functionality).
l) Fixed issue with handling of Card Inactivity Timeout when Chip & Signature Card is used.

4) Version 2.2.2.2

a) Fixed issue with printing older EasyVTerminal versions.
b) Fixed issue with log level if it is higher than 1.
c) Introduced new field 61 in the response of Sale Transaction for Merchant Subscription Wallet reference.

5) Version 2.2.2.1

a) Fixed Transaction Reference missing in Auth request
b) Fixed issue with display of AVS response message (extra spaces have been removed).
c) Fixed issue with EVT when Check Card with remove flag 'No' and card is removed during the chip transaction after that EVT gets stuck.
d) Modified Encryption key derivation algorithm for encrypting transactions to be stored with EasyVTerminal.
e) Added close EVT request to close EVT.
f) Card Inactivity Timeout can be configured between 10 to 90 seconds.

Configuration (2.2.2.1)

g) Introduced Check for Card Inactivity Timeout (Minimum Value=10, Maximum Value=90).

6) Version 2.2.2.0

a) Added functionality in EasyVTerminal to support Sale, Refund, Load, Activation and Balance Enquiry for Gift Card for Customer present and Customer not present.
b) Provided support of multi instance of EasyVTerminal.
c) Fixed issue with duplicate receipt for Txn Ref. No., Start Date and Card Scheme Name.
d) Fixed issue with printing invalid start date in case CNP transaction.
e) Fixed issue with Transaction processing just before expiring card inactivity timer.
f) Fixed Issue with transaction when Cancel button is pressed on EasyVTerminal while processing the transaction and after that card wad swiped.
g) Fixed issue with extra merchant receipt print.
h) Integration with STS0212 Library.
i) Modified handling of request parsing for Socket Interface.
j) Disabled Cancel button at the time when transaction gets timed out.
k) Added Keyed Sale and Keyed Refund functionality.

7) Configuration (2.2.2.0)

a) Provided selection of terminal based on model.

8) Known Issues

a) Graphics rendering issue on 825/845 embedded graphics controller.

9) Installation Details

IMPORTANT: All the stored transactions should be uploaded to the EMBOSS server using the current installation PRIOR to upgrade to v2.2.4.2.

a) Pre-requisites

For Windows XP SP2 users, Msxml4 is required. Please download and install from (http://www.microsoft.com/downloads/details.aspx?familyid=3144b72b-b4f2-46da-b4b6-c5d7485f2b42&displaylang=en).

For Windows XP with SP3 users: Msxml4 is required. Please download and install from (http://www.microsoft.com/downloads/details.aspx?FamilyID=7f6c0cb4-7a5e-4790-a7cf-9e139e6819c0&displaylang=en).

b) Easy V Terminal Installation steps

i) Download the installer EasyVTerminal-version-2.2.4.2..msi.
ii) Remove any previous instance of EasyVTerminal from the target m/c.
iii) Run the installer EasyVTerminal-version-2.2.4.2.msi (PLEASE DO NOT CHANGE THE INSTALLATION DIRECTORY). Keep the installation directory as C:\YESEFT
iv) This will install the EasyVTerminal.
v) Run the batch file EMBOSS-Setup.bat.
vi) This will ask for Merchant Id and Terminal Id. Please input the merchant Id and terminal Id provided for the installation.
vii) Reboot system.
viii) Run YESEFTConfig.exe. Set pin pad and com port. Select Ok. This will setup the configuration for the application to run.
ix) Run YESEFTInterface.exe/StartPOSServer.bat, this will start the EasyVTerminal.

Any queries should be directed to the YESpay support team;

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