



DPS POS Integration Certification Request and Test Scripts

1 DOCUMENT HISTORY

Version	Author	Date
3.0.0	David Merry	01/2012
3.0.1	Grant Shannon	01/2012
3.0.2	David Merry	01/2012

2 POS DETAILS

2.1 VENDOR DETAILS

POS Vendor: [REDACTED] Trading Name: [REDACTED]
Technical Contact Name: [REDACTED] Other Contact Name: [REDACTED]
Phone Number: [REDACTED] Phone Number: [REDACTED]
Email: [REDACTED] Email: [REDACTED]
Job Title: [REDACTED] Job Title: [REDACTED]

2.2 POS INFORMATION

2.2.1 POS Name and Version

POS Name: [REDACTED] Version Number: [REDACTED]

2.2.2 Integration Method

Please state which integration the POS uses (e.g. ActiveX, XML interface): [REDACTED]

Please give any details of complications in the integration (e.g. ActiveX wrappers):

[REDACTED]

Does the POS use DPS' dialogue boxes to display transaction messages? [REDACTED]

2.2.3 Printing

Does the POS print the EFTPOS receipts, or does PX EFTPOS print EFTPOS receipts? [REDACTED]

If the POS prints the EFTPOS receipts, please explain why:

[REDACTED]

What printers and printing systems does the POS support?

[REDACTED]

2.2.4 POS Environment

Will the POS be in an attended, semi-intended, or unintended environment? [REDACTED]

If the POS will not be in an attended environment, please give brief details of any correspondence with DPS about this:

[REDACTED]

2.2.5 Feature support

- | | | | |
|--------------------------------------|---|---|--|
| <input type="checkbox"/> Refund | <input type="checkbox"/> Shift Totals | <input type="checkbox"/> Cash Out | <input type="checkbox"/> Tipping |
| <input type="checkbox"/> Hospitality | <input type="checkbox"/> Fuel Transactions | <input type="checkbox"/> Adv. Pur. Data | <input type="checkbox"/> Cheque |
| <input type="checkbox"/> Flybuys | <input type="checkbox"/> Read Card Method | <input type="checkbox"/> Multi merchant | <input type="checkbox"/> Gift / Loyalty Card |
| <input type="checkbox"/> Unattended | <input type="checkbox"/> Self Service Kiosk | <input type="checkbox"/> Other | |

3 DETAILS OF TESTING

3.1 TESTING SCOPE

These tests are designed to provide some confidence that the POS will not present significant risks to the financial integrity or the usability of the Payment Express EFTPOS solution. The tests described in here should be considered *minimal*, and it is recommended that POS vendors undertake more thorough testing of their POS systems.

3.1.1 Out of scope

The following are among the significant areas not covered by these tests:

1. Long term integrity of stored financial records in the POS
2. Security of sensitive data stored by the POS
3. Any features of the POS outside of the EFTPOS integration
4. Elegance of the EFTPOS integration
5. Tipping and hospitality integration (covered in a separate document)
6. Fuel transactions (to be discussed with DPS)
7. Cheque transactions
8. Gift card transactions

3.2 TESTING TIMELINES

DPS can provide timelines for testing the integration of a POS but it cannot provide timelines for a POS becoming certified. To ensure timely completion of the certification, it is recommended that POS developers work through this test script themselves before sending the POS to DPS.

If you believe that DPS has agreed to any timelines for the certification testing, please give details below:

3.3 TEST ENVIRONMENT SETUP

It is the POS vendor's responsibility to provide DPS' certification team with a testing environment in a timely manner. If the setup of the POS is relatively easy, the POS vendor may provide installation files and documentation. If installation is quite involved, the POS vendor should set up a test environment for DPS which they may do by providing a virtual machine, a physical machine, or by sending a technician to DPS to undertake the installation.

Please give details of how the POS developer has assisted DPS with setup of the test environment. Make sure you have provided any login details. If DPS is to install please attach a separate document detailing the installation process:

3.4 ADVANCED FEATURES CERTIFICATION

If you require features such as tipping and hospitality or Flybuys transactions your POS will need to pass the Advanced Features Certification as well.

4 REQUIREMENTS OF INTEGRATION

The testing process is intended to provide some confidence that the following requirements are met. If a test reveals that one of these requirements is not met, then, even if the POS meets all the expected outcomes for that test, it might fail the certification. If a customer using the POS finds that it does not meet one of these requirements, then the POS vendor should work with DPS to make sure that this is corrected.

Requirement	Description	When required
1	Messages provided by the POS give accurate information about transactions	Always
2	POS can recover the status of an incomplete transaction after a crash	Always
3	POS uses best practice for implementing the interface with the EFTPOS software	Always
4	The POS sends transactions that match what the user appears to have requested at the POS	Always
5	The POS prints a correct EFTPOS receipt for every transaction and inhibits transactions when the printer is offline.	POS handling printing
6	The POS provides whatever DPS sends it as merchant dialogues	POS providing dialogues
7	The POS provides all essential features	POS deployed in such a way that DPS' client cannot be used

5 TEST CARDS

Test Card Name	PAN	Accounts	PIN
Visa Credit	4999 9999 9999 9109	Credit	1234
Visa Credit and Debit	4999 9999 9999 9108	Cheque and Credit	1234
MasterCard Credit	5999 9999 9999 9108	Credit	No
Debit Card	9999 9999 9999 9108	Savings	1234

6 COMMON ROUTES THROUGH CERTIFICATION

6.1 POS THAT DOES NOT MANAGE PRINTING AND DOES NOT HAVE CUSTOM DIALOGUES

These POS should run the test cases described in 7.1, and either the test cases provided in 7.2 or those provided in section 7.3, and it is likely that they will run some test cases from section 7.6. It is possible that some cases from section 7.7 as well.

6.2 POS THAT MANAGES PRINTING

Such a POS should be subject to those cases in 7.5, in addition to the sections listed in section 6.1.

6.3 POS THAT PROVIDES CUSTOM DIALOGUES

Such a POS should be subject to those cases in section 7.4, in addition to those in the sections listed in section 6.1.

6.4 POS WHICH INTERFERES WITH NORMAL OPERATION OF PX EFTPOS CLIENT

In addition to those test cases in sections 6.1 and 6.2, such a POS should be subjected to the cases listed in section 7.6.4.

7 SUMMARY OF TEST CASES

7.1 TEST CASES THAT APPLY TO ALL POS

7.1.1 Purchase transactions processed correctly

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7.6.1 Financial Transactions

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8 TEST CASES

8.1 CASES THAT APPLY TO ALL POS

8.1.1 Generic Cases

Case 1.1.1	Purchase transaction approved with signature
Rationale:	To check that a POS can process a transaction and correctly recognise the result.
Test steps:	<ol style="list-style-type: none"> 1. Enable interface logging 2. Run a transaction with test card Visa Credit 3. Do not enter a PIN when prompted. Just press enter. 4. Choose "yes" when prompted to accept signature
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as approved 3. There are no un-necessary commands such as 'DoReadCard' at the beginning of the transaction <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the customer to sign when the 'accept with signature yes/no' prompt appears, and before a choice has been made 2. A second receipt is printed for the customer to take away after a choice has been made
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.1.2	Purchase transaction approved with PIN
Rationale:	To check that a POS can process a transaction and correctly recognise the result. A PIN transaction has a different transaction flow and response code from a signature transaction.
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction with test card Visa Credit 2. When prompted to enter a PIN, enter 1234 and press enter.
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as approved <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed when the 'transaction approved' dialogue appears
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.1.3	Purchase transaction declined with signature
Rationale:	To check that the POS correctly differentiates between approved and declined transactions.
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction with test card Visa Credit 2. At the account select stage, choose the credit account 3. When asked to enter a PIN, <u>don't</u>, but press enter.
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as declined <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed when the 'transaction declined' dialogue appears
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.1.4	Leave the signature step of the transaction running for 35 minutes
Rationale:	The POS should wait indefinitely for user input at the signature step.
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction with the visa credit test card 2. When prompted to enter a PIN, <u>don't</u>, put press enter. 3. When offered the choice to accept the signature, wait for 35 minutes 4. Accept the signature
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end with no errors 2. The POS does not offer an opportunity to timeout 3. The POS recognises the transaction as accepted <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed once the transaction reaches the accept with signature step 2. A second receipt is printed once the signature is accepted.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.1.5	Attempt to cancel the transaction at the signature stage
Rationale:	Since the transaction is beyond the financial point of no return, the user must either accept or decline the signature. The POS should not offer a 'third way' to end the transaction.
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction with the Visa Credit test card. 2. Select the credit account 3. Do <u>not</u> enter a PIN when prompted, but press enter 4. When prompted for a signature, try to cancel the transaction. Press keys such as 'C' and 'escape'. Try to cancel the sale, and so forth.
Expected results:	<ol style="list-style-type: none"> 1. In spite of the tester's best efforts, the transaction is not cancelled.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	The exact steps of this test will vary

8.1.2 General Exception Handling

Case 1.2.1	Reboot the POS during a transaction before the financial point of no return
Rationale:	If the POS is rebooted during a transaction, there is a risk that the cardholder does not learn the outcome of the transaction.
Test steps:	<ol style="list-style-type: none"> 1. Initiate a transaction 2. At the 'choose account' stage, do a hard reboot of the PC. 3. Start the POS
Expected results:	<p>For all POS, either:</p> <ol style="list-style-type: none"> 1. The interrupted order is restored, the getlasttransaction method is called and the result returned is used to correctly determine whether to conclude or retender the order. 2. The getlasttransaction call contains the correct transaction reference <p>OR</p> <ol style="list-style-type: none"> 1. The getlasttransaction method is called, and the response compared with the POS last recorded transaction. The discrepancy in detail is identified and the POS displays a suitable prompt to the attendant, allowing for manual reconciliation. <p>For POS that control printing:</p> <ol style="list-style-type: none"> 1. No receipt is printed
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.2.2	Reboot POS when a transaction is at the signature stage
Rationale:	If the POS is rebooted during a transaction, there is a risk that the cardholder does not learn the outcome of the transaction. The POS needs to offer the merchant the ability to accept or decline the signature if it crashes at that point.
Test steps:	<ol style="list-style-type: none"> 1. Initiate a transaction with the Visa Credit test card 2. Choose the credit account 3. <u>Do not</u> enter a PIN, but press 'enter' when prompted 4. When asked to accept or decline signature, do a hard reboot of the PC 5. Start the POS
Expected results:	<ol style="list-style-type: none"> 1. The 'accept with signature' dialogue is displayed. The attendant can approve or decline the signature. <p>Either</p> <ol style="list-style-type: none"> 2. The interrupted order is restored, and the Accept with Signature dialogue is displayed. The attendant can approve or decline the signature <p>OR</p> <ol style="list-style-type: none"> 3. A message is displayed to the attendant to explain that manual reconciliation is required. <p>For POS that control printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed when the signature is approved or declined.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 1.2.3	Transaction where response code and authorised flag appear to disagree
Rationale:	For future proofing, it is necessary that POS determine the outcome of the transaction from the 'authorised' flag and not the response code.
Test steps:	<ol style="list-style-type: none"> 1. Initiate a transaction with the Local Debit card for \$10.32 2. Choose the savings account and enter pin 1234
Expected results:	<ol style="list-style-type: none"> 1. The transaction returns 'authorised' as 0 and response code 00. 2. The POS recognises that the transaction is declined <p>Either</p> <ol style="list-style-type: none"> 3. The interrupted order is restored, and the Accept with Signature dialogue is displayed. The attendant can approve or decline the signature <p>OR</p> <ol style="list-style-type: none"> 4. A message is displayed to the attendant to explain that manual reconciliation is required.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

8.2 TEST CASES THAT APPLY TO POS THAT USE ACTIVEX INTEGRATION

Case 2.1.1	Start transactions wherever possible in the POS with ActiveX logging running
Rationale:	Instantiating more than one instance of the ActiveX can lead to unpredictable behaviour.
Test steps:	<ol style="list-style-type: none"> 1. Enable ActiveX Logging 2. Open the POS 3. Start a transaction in each part of the POS that it is possible to start a transaction in 4. Close the POS
Expected results:	<ol style="list-style-type: none"> 1. The POS only connects to the ActiveX once, when the POS is started. It disconnects when the POS closes.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	The POS developer should predict the outcome of this test by inspecting code.

8.3 TEST CASES THAT APPLY TO POS USING XML INTERFACE

Case 3.1.1	Start transactions wherever possible in the POS with XML logging running
Rationale:	Having more than one simultaneous connection to the XML interface can lead to unpredictable results
Test steps:	<ol style="list-style-type: none"> 1. Enable XML Interface Logging 2. Open the POS 3. Start a transaction in each part of the POS that it is possible to start a transaction in 4. Close the POS
Expected results:	<ol style="list-style-type: none"> 1. The POS only connects to the ActiveX once, when the POS is started. It disconnects when the POS closes.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	The POS developer should predict the outcome of this test by inspecting code.

Case 3.1.2	Send an XML message to the POS fragmented over two TCP sends
Rationale:	To check that the POS implements robust network socket management with the XML listener
Test steps:	<ol style="list-style-type: none"> 1. Add <EnableFragmentMessageTest>1</EnableFragmentMessageTest> to the XML listener configuration. 2. Restart the XML listener 3. Initiate a transaction through the POS using Visa Credit Card, choose credit, and enter PIN 1234. 4. Attempt to complete transaction
Expected results:	<ol style="list-style-type: none"> 1. The transaction completes without any error.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	The XML listener configuration should be returned to normal after this test.

Case 3.1.3	Send two XML messages to the POS within a single XML send
Rationale:	To check that the POS implements robust network socket management
Test steps:	<ol style="list-style-type: none"> 1. Add <EnablePrefixMessageTest>1</EnablePrefixMEssageTest> to the XML listener configuration 2. Restart the XML listener service 3. Run a transaction with Visa Credit test card 4. Select the credit account. Enter PIN 1234 and press enter
Expected results:	<ol style="list-style-type: none"> 1. The POS completes the transaction without any errors.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	Restore the XML listener configuration to normal after this test

8.4 TEST CASES THAT APPLY TO ALL POS PROVIDING CUSTOM DIALOGUES

The overall purpose of these test cases is to provide DPS with confidence that the POS is acting as a relay for the messages provided from PX EFTPOS, rather than providing its own messages. In addition to these tests, the tester should monitor the prompts in other test cases for any deviations from those provided by PX EFTPOS.

Case 4.1.1	Cancel a transaction at the account selection stage
Rationale:	The POS should implement a working button to let the merchant cancel a transaction
Test steps:	<ol style="list-style-type: none"> 1. Initiate a transaction with any test card 2. At the account select screen, click 'cancel' on the POS.
Expected results:	<ol style="list-style-type: none"> 1. The transaction is cancelled successfully
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 4.1.2	Run an EOv Transaction
Rationale:	The POS must indicate when the EFTPOS system is running in offline mode
Test steps:	<ol style="list-style-type: none"> 1. Disconnect the network connection on the test machine then attempt to process a transaction with any test card. 2. After the transaction has timed out, wait a further 30 seconds for a reversal to time out. 3. Start a new transaction
Expected results:	<ol style="list-style-type: none"> 1. The POS clearly indicates that EFTPOS is running in offline mode, and the dialogue boxes contain the text "EFTPOS Offline"
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 4.1.3	Run a Manual PAN transaction
Rationale:	The best practice for running a Manual PAN transaction is to collect the card number through the PINPad.
Test steps:	<ol style="list-style-type: none"> 1. Start a ManPAN transaction
Expected results:	<ol style="list-style-type: none"> 1. There is no way to enter the card number on the POS 2. The POS initiates a ManPan transaction which allows PAN entry on the PINPad
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	This avoids the POS having to gather full credit card details which may result in a security breach.

Case 4.1.4	Attempt to destroy the transaction dialogues
Rationale:	Transaction dialogues being hidden or destroyed could cause unpredictable outcomes.
Test steps:	<ol style="list-style-type: none"> 1. Try to hide the transaction dialogues. Press alt f4 with the focus on them and control + x and F10 and escape. Try to drag the dialogues behind the POS. Try to minimise them. Try to select them in task manager and kill them. Try everything you can
Expected results:	<ol style="list-style-type: none"> 1. The POS dialogues survive a rigorous attack: they cannot be hidden or destroyed.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	Actual Test steps: will vary.

8.5 TEST CASES THAT APPLY TO POS THAT CONTROL PRINTING

If the POS controls printing, in addition to these cases the tester should pay careful attention to the receipts that are being printed and record any anomalies with the printing.

8.5.1 Test Cases that apply to all POS that control printing

Case 5.1.1	Attempt to run a transaction when the printer is out of paper
Rationale:	A receipt must be provided for every transaction, but the POS won't be able to provide a receipt if the printer is out of paper.
Test steps:	<ol style="list-style-type: none"> 1. Take the paper out of the printer 2. Try to start a transaction.
Expected results:	<ol style="list-style-type: none"> 1. The tester fails to make the POS start a transaction 2. The POS provides sensible messages explaining that transactions cannot be started when the printer is offline
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	Steps will vary. The printer must be set up correctly throughout the test.

Case 5.1.2	Attempt a transaction when the printer is turned off
Rationale:	A receipt must be provided for every transaction, but the POS won't be able to provide a receipt if the printer is switched off
Test steps:	<ol style="list-style-type: none"> 1. Turn off the printer 2. Try to start a transaction.
Expected results:	<ol style="list-style-type: none"> 1. The tester cannot make the POS start a transaction. 2. The POS provides sensible messages explaining that the transaction cannot be started when the printer is offline
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	Steps will vary. The printer must be set up correctly throughout the test.

Case 5.1.3	Run a signature transaction and check the receipts have been cut correctly
Rationale:	Incorrect cutting of receipts has in the past been an important source of support calls to DPS.
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction with test card Visa Credit 2. When prompted to enter a PIN, <u>don't</u>, but press enter 3. Click "yes" or "no" when asked to accept the signature
Expected results:	<ol style="list-style-type: none"> 1. Both receipts are correctly cut and look neat and tidy.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 5.1.4	Run a transaction on an EMV card and check the receipt
Rationale:	EMV cards contain a number of fields on the receipt that magnetic stripes don't. Provided that the POS simply prints the receipt provided by the EFTPOS software, it should have no problem in printing a correct EMV receipt
Test steps:	<ol style="list-style-type: none"> 1. Run a transaction on an EMV chip card.
Expected results:	<ol style="list-style-type: none"> 1. The POS should print a receipt that looks exactly like the receipt in the journal viewer.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	.POS developers should verify this test through code review.

Case 5.1.5	Printer Support Review
Test steps:	On the basis of information provided at the beginning of this document, collect printers from your collection that best reflect the deployment of the printers and rerun the cases in this section for each printer.
Expected results:	1. The cases pass for all the printers
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

8.5.2 Test cases that apply to all POS controlling printers PX EFTPOS cannot connect to

Case 5.2.1	Reprint a receipt
Rationale:	If a receipt for a transaction is damaged or illegible, the POS must be able to reprint the receipt. While this functionality can normally be provided by PX EFTPOS, the POS must provide it if it supports printers that PX EFTPOS does not.
Test steps:	<ol style="list-style-type: none"> 1. Run a complete transaction on the visa credit test card 2. Select the credit account 3. When prompted to enter a PIN, <u>don't</u>, but press 'enter' instead. 4. Follow the POS instructions on how to reprint the last receipt
Expected results:	<ol style="list-style-type: none"> 1. The POS reprints the last receipt.
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	.

8.6 TEST CASES FOR COMMON OPTIONAL FEATURES

8.6.1 Financial Transactions

Case 6.1.1	Process a refund transaction
Rationale:	The end of transaction handling should be largely the same for each transaction type, but DPS needs to make sure that the transactions are initiated correctly.
Test steps:	<ol style="list-style-type: none"> 1. Run a refund transaction through the POS, using Visa Credit card 2. Choose the credit account. 3. <u>Do not</u> enter a PIN, just press enter, when prompted 4. Choose 'yes' when offered the choice of accepting or declining the signature
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as approved 3. There are no un-necessary commands such as 'DoReadCard' at the beginning of the transaction 4. 'Refund' is printed on the receipt <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the customer to sign when the 'accept with signature yes/no' prompt appears, and before a choice has been made 2. A second receipt is printed for the customer to take away after a choice has been made
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 6.1.2	Process a cash-out transaction
Rationale:	The end of transaction handling should be largely the same for each transaction type, but we need to make sure that the transactions are initiated correctly.
Test steps:	<ol style="list-style-type: none"> 1. Run a refund transaction through the POS, using Visa Credit card 2. Choose the credit account. 3. <u>Do not</u> enter a PIN, just press enter, when prompted 4. Choose 'yes' when offered the choice of accepting or declining the signature
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as approved 3. There are no un-necessary commands such as 'DoReadCard' at the beginning of the transaction 4. A line for the amount of the cash out is printed on the receipt, and contains the full amount of the cash out. <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the customer to sign when the 'accept with signature yes/no' prompt appears, and before a choice has been made 2. A second receipt is printed for the customer to take away after a choice has been made
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 6.1.3	Process a purchase with cash transaction
Rationale:	The end of transaction handling should be largely the same for each transaction type, but we need to make sure that the transactions are initiated correctly.
Test steps:	<ol style="list-style-type: none"> 1. Run a purchase with cash transaction through the POS, using Visa Credit card 2. Choose the credit account. 3. <u>Do not</u> enter a PIN, just press enter, when prompted 4. Choose 'yes' when offered the choice of accepting or declining the signature
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The transaction runs successfully from end to end without any errors 2. The POS recognises the transaction as approved 3. There are no un-necessary commands such as 'DoReadCard' at the beginning of the transaction 4. The purchase amount on the receipt reflects the amount of the purchase 5. The cash amount on the receipt reflects the amount of the cash out <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the customer to sign when the 'accept with signature yes/no' prompt appears, and before a choice has been made 2. A second receipt is printed for the customer to take away after a choice has been made
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

8.6.2 Non-Financial Transactions

Case 6.2.1	Run a logon
Rationale:	If logon is supported, DPS needs to check it has been implemented correctly
Test steps:	<ol style="list-style-type: none"> 1. Run a logon
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The POS runs a logon transaction 2. There are no errors <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. The POS prints a receipt for the logon
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 6.2.2	Run a settlement
Rationale:	If settlement is supported, DPS needs to check it has been implemented correctly
Test steps:	<ol style="list-style-type: none"> 1. Run an offline transaction 2. Click the settlement button
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. There are no errors 2. The POS correctly runs a settlement transaction <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the settlement
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	

Case 6.2.3	POS Correctly processes an enquiry
Rationale:	If enquiry is supported, DPS needs to confirm it is supported correctly.
Test steps:	<ol style="list-style-type: none"> 1. Run an enquiry through the POS for 3/01/2012
Expected results:	<p>For all POS:</p> <ol style="list-style-type: none"> 1. The POS runs an enquiry 2. The enquiry is for 3/01/12 <p>For those POS controlling printing:</p> <ol style="list-style-type: none"> 1. A receipt is printed for the enquiry
Deviations from Expected results:	
Tested by:	
Date:	
Pass / Fail:	
Comments:	