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Nets Terminal Test Specification Version 1.2.6



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Introduction

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Any new or updated type of Terminal must be certified by Nets Denmark A/S before being installed at Merchant locations and being prepared for transmission of transactions to Nets Denmark A/S. All verification of payment terminals is done on behalf of the card acquirers.



Introduction

This is the Nets Terminal Test Specification, test suite. It is to be used when testing Payment Terminal and integrated solutions. The tests specified in the current document verify requirements in NETS terminal requirements specification (NTRS) version 1.2.6 on a sample basis. Please remember to save all receipts during your test, as they might be needed later for validation.

Target audience

The intended readers of this document are testers, that are going to test NTRS compliant terminals. This may be testers at terminal manufacturers, integration vendors as well as testers internal to Nets Denmark A/S. These testers are expected to have a general knowledge about the NTRS specification. Concepts explained in NTRS document are not further explained here.

NETS Certification Request Form (NCRF)

The NCRF is intended for a payment solution and states the capabilities and of the solution to be tested. It shall be submitted to NETS certification (<u>it-verification@nets.eu</u>) prior to execution of the terminal test performed by NETS. The data from the NCRF decides the test cases applicable to the solution. The most recent version of the NCRF shall always be used. The most recent version of the NCRF is to find at www.nets.eu

Test environment

NETS test environment shall be used to perform the test. Many of the cards and test cases are special configured to give specific answer when specific amounts are used. The connection to NETS should be established in cooperate with the front end or PSP.

Test case result

Passed: The solution has passed the test case according to the specification.

Failed: The solution has failed the test case according to the specification.

N/A (Not Applicable): The test case is n/a, not supported etc. If the cases are n/a, please write a comment.

Test Cards

The full test requires several test cards. The different types of test cards needed are to find in the test package NTTS package at www.nets.eu where they can be ordered.

Please note that the test cases use specific test card for use, these cards are a guidance and Nets may use other cards to perform the test cases, in order to perform the testcase.



Test cards description

Card Name	Card label	Comments
NTC 01	Mastercard Fallback card	M-Tip 02
	Pan 541333xxxxxx0029	
	Pin = 4315	
NTC 02	Mastercard Magstripe card	M-Tip 04
	Pan 541333xxxxxx0037	
	Pin = 4315	
NTC 03	Mastercard Contact card	M-TIP 06 01 01
	Pan 541333xxxxxx0011	
	pin=4315	
	Amount 20,00=OK	
	Amount 120,00= Wrong Arpc (Declined by card)	
NTC 04	Mastercard Contactless	MCD 010101
	Pan 222360xxxxxx0011	
	pin=4315	



NTC 05	Visa Contact Pan 47 61 73 XX XX XX 00 11 Pin 1234	Visa.TC.0001
NTC 06	Visa Contactless Pan 47 61 73 XX XX XX 00 29 Pin 1234	TC1002a
NTC 07	Mastercard Dankort Contact & Contactless Pan 517021xx/501979xx Pin xxxx	Please see pin on card label.
NTC 08	Dankort Contact & Contactless 5019 99xx xxxx xxxx Pin=xxxx	Please see pin on card label.
NTC 08 b	Dankort Contact & Contactless 5019 99xx xxxx xxxx Pin=xxxx AID 4712	Please see pin on card label.
NTC 09	VisaDankort Contact & Contactless 4571 99xx xxxx xxxx Pin=xxxx	Please see pin on card label.
NTC 09 b	VisaDankort Contact & Contactless 4571 99xx xxxx xxxx Pin=xxxx AID 4712	Please see pin on card label.
NTC 10	Bankaxept Pan 957852xxxxxx000198 Pin 1234	DI48 Offline pin



1.01 - Terminal report

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.59.0	[All solutions]	N/A
Requirement			
Specification V 1.2.6			
Purpose:	To verify that the terminal can present terminal information. Data elements must be available on a terminal report or in an electronic log file.		
General pass criteria:	A terminal report shall either be printed, displayed, or stored in a log.		
Comments:	Unattended terminals may transfer the information to a log.		

Step Number	Description	Expected
Step 1	Print or display a terminal report.	Are all required data elements printed or displayed? YES: Next step NO: Testcase failed
Step 2	Compare the terminal report with the Nets Certification Request Form.	Do all the data elements match? YES: Testcase passed NO: Testcase failed



1.02 - Purchase - magstripe

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	6.4.0	[Online]	NTC 02
Purpose:	To verify that the terminal can complete a MSC transaction, without any errors.		
General pass criteria:	The terminal shall complete and approve a purchase using the magstripe.		
Comments: Make sure the correct cvm is used and p 'NO CVM'		n is used and printed e.g., PIN	N, Signature or

. cot otepo		
Step Number	Description	Expected
Step 1	Complete a purchase with correct CVM supported by the terminal.	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 2	Analyse the printed receipts from step 1.	Receipt printed correctly with the correct CVM? YES: Testcase passed NO: Testcase failed



1.03 - Pin purchase - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.56.0 - 3.64.0	[PIN]	NTC 03,
Requirement			NTC 04
Specification V 1.2.6			
Purpose:	To verify that PIN transactions are working without any errors.		
General pass criteria:	The transaction must be performed as a PIN without any errors.		
Comments:	If possible, please use an amount of 20,00 or 200,00		
For contactless Please obtain the different limits from the term perform this test correctly.		he terminal, to	

Step Number	Description	Expected
Step 1	Complete a purchase with NTC03.	Transaction completed successfully. YES: Next Step NO: Testcase failed
Step 2	Analyse the receipts.	Are the receipts marked as pin receipt? YES: Next step. NO: Testcase failed
Step 3	Complete a contactless transaction with NTC 04 where the amount is below the 'terminal floor limit' and below the 'CVM limit'.	Transaction is successfully approved offline, and without the use of a CVM ? YES: Next Step NO: Testcase failed
Step 4	Complete a contactless transaction with NTC 04 where the amount is above 'CVM limit'.	Transaction is successfully approved, with CVM ? YES: Next Step NO: Testcase failed
Step 5	Complete a contactless transaction with NTC 04 where the amount is above the 'terminal floor limit' and below the 'CVM limit'.	Transaction is successfully approved online, and without the use of a CVM? YES: Next Step NO: Testcase failed



Step 6	Analyse the receipts, from all three transactions.	All receipt printed correctly according to the requirement? YES: Next Step NO: Testcase failed
Step 7	Initiate a contactless transaction with NTC 04 where the amount is above the 'contactless transaction limit'.	The contactless reader is not activated for reading the NFC card, and the transactions can continue by usage of the contact (ICC) card. ? YES: Testcase Passed NO: Testcase failed



1.04 - Signature purchase - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement	3.4.0 - 6.5.0 - 6.6.0 - 3.58.0	[Signature]	NTC 05
Specification V 1.2.6			
Purpose:	To verify that signature is completed, without any errors.		
General pass criteria:	The transaction shall be performed as signature when signature has been used.		
Comments:	NOTE: Support of 'Signature verification' function is not mandatory and may be automated		t mandatory and

Step	Description	Expected
Number	·	
Step 1	Initiate a purchase.	Signature verification question appear?
		YES: Next step NO: Step 3
Step 2	Accept the signature.	Transaction completed successfully.
		YES: Next step NO: Testcase failed
Step 3	Complete a purchase.	Signature verification question appear?
		YES: Next step NO: Step 5
Step 4	Decline the signature, if possible.	Transaction rejected?
		YES: Testcase passed NO: Testcase failed
Step 5	Complete a purchase.	Transaction completed successfully.
		YES: Testcase Passed NO: Testcase failed



1.05 - No CVM Purchase - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.90.0	[No CVM]	NTC 03
Requirement			
Specification V 1.2.6			
Purpose:	To verify that the terminal performs NO CVM transactions, without any errors.		
General pass criteria:	Terminal performs a No CVM transaction, without any error.		
Comments:	This test applies to NO CVM terminal only. If possible please use an amount of 20,00 or 200,00		

Step Number	Description	Expected
Step 1	Complete a purchase.	Transaction completed successfully. YES: Testcase passed NO: Testcase failed



1.06 - Refund - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.71.0 - 3.72.0 - 3.73.0	[Refund]	NTC 03,
Requirement			NTC 04
Specification V 1.2.6			
Purpose:	To verify that the solution can perform a refund transaction, without any errors.		
General pass criteria:	The cardholder must not be requested to enter PIN.		
Comments:	Merchant receipt may not be printed. If possible, please use an amount of 20,00 or 200,00		

Step Number	Description	Expected
Step 1	Complete a contact refund with NTC 03.	Cardholder requested to enter PIN? YES: Testcase failed NO: Next step
Step 2	Analyse the receipts.	Two receipts printed for the approved refund transaction, with a signature line for the merchant to sign? YES: Next step NO: Testcase failed
Step 3	Try to initiate a contact refund with a negative amount (e.g., -100) Using NTC 03.	Was it possible to perform a transaction with negative amount ? YES: Next step NO: Testcase passed
Step 4	Complete the refund and observe the cardholder display and receipt.	Was the refund processed with the correct amount and currency ? YES: Next step NO: Testcase failed
Step 5	Complete a contactless refund using NTC 04. If possible, with an amount above CVM limit.	Transaction is successfully approved, without the use of a CVM ? YES: Next step NO: Testcase failed



Step 6	Analyse the receipt.	Receipt printed correctly according to the requirement ?
		YES: Testcase passed NO: Testcase failed



1.07 - Purchase - fallback

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.67.0 - 3.68.0 - 3.69.0	[All solutions]	NTC 01
Requirement	- 3.81.0 - 4.2.0 - 3.69.1		
Specification V 1.2.6	- 3.69.2		
Purpose:	To verify fallback transaction are performed correctly.		
General pass criteria:	Terminal must be able to handle card read management correctly.		
Comments:			

Step Number	Description	Expected
Step 1	Swipe NTC 01.	Transaction initiated? YES: Testcase failed NO: Next step
Step 2	Insert card in ICC reader and follow the instructions. - The terminal shall try to read the ICC card at least 3 times before accepting fallback to magstripe	Cardholder asked to insert the chip again and/or Merchant asked to accept fallback? YES: Next step NO: Next step
Step 3	Use the Magstripe to perform the transaction.	Transaction completed as fallback? YES: Testcase passed NO: Testcase failed



1.08 - Pre authorisation - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	6.12.0 - 3.16.0 - 3.33.0	[Pre-authorization]	NTC 03
Requirement	- 3.35.0 - 3.36.0 -		
Specification V 1.2.6	3.15.0		
Purpose:	When a pre_aut has been used (Supplementary, capture, reversal etc.) it must be deleted from the solution storage as a valid pre_aut for use.		
General pass criteria:	To verify that the solution handles pre_authorisations correctly.		
Comments:			

Step	Description	Expected
Number		
Step 1	Complete a pre-authorisation.	Pre-authorisation created?
		YES: Next step NO: Testcase failed
Step 2	Reverse the pre_authorisation.	Pre-authorisation deleted, and reversal sent to the host?
		YES: Next step NO: Testcase failed
Step 3	Complete a pre_authorisation.	pre_authorisation created?
		YES: Next step NO: Testcase failed
Step 4	Capture the pre_authorisation.	pre_authorization deleted, and capture created? YES: Next step
		NO: Testcase failed
Step 5	Complete a pre_authorisation.	pre_authorisation created? YES: Next step
		NO: Testcase failed



Step 6	Complete a supplementary authorisation, if supported.	Supplementary authorisation completed without any errors? YES: Next step NO: Testcase failed
Step 7	Capture the pre_authorisation.	pre_authorization deleted, and capture created? YES: Testcase passed NO: Testcase failed



1.09 - Pre authorisation & post purchase - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	3.30.0	[POST Purchase, Pre- Authorization]	NTC 03
Purpose:	To verify that the solution is performing post_purchase correctly.		
General pass criteria:	Post_purchase must be performed, without any errors.		
Comments:			

Step	Description	Expected
Number		
Step 1	Complete a pre_authorisation.	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 2	Capture the transaction from step 1.	Transaction captured successfully? YES: Next step NO: Testcase failed
Step 3	Perform a Post purchase using the pre_authorisation from step 1.	Post_purchase performed successfully? YES: Testcase passed NO: Testcase failed



1.10 - Pre authorisation post_refund - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement	3.30.0	[POST Refund, Pre- Authorization]	NTC 03
Specification V 1.2.6		-	
Purpose:	To verify that the solution can perform post_refund without any errors.		
General pass criteria:	Post_refund must be performed, without any errors.		
Comments:			

Ston	Description	Eveneted
Step Number	Description	Expected
Step 1	Complete a pre_authorisation.	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 2	Capture the transaction from step 1.	Transaction captured successfully? YES: Next step NO: Testcase failed
Step 3	Perform a Post_refund using the pre_authorisation from step 1.	Post_refund performed successfully? YES: Testcase passed NO: Testcase failed



1.11 - Forced offline - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.1.0 - 3.2.0 - 3.3.0 -	[Forced Offline]	NTC 03
Requirement	3.105.0		
Specification V 1.2.6			
Purpose:	To verify that the solution can perform offline and forced offline transactions correctly.		
General pass criteria:	The transactions shall be performed offline.		
Comments:	Support for Forced offline is not mandated		

Step Number	Description	Expected
Step 1	Initiate a transaction and force the transaction offline. If supported, type in the authorization code '1a2B3c'.	Transaction approved and authorization code printed on the receipt? YES: Next step NO: Testcase failed
Step 2	Initiate a transaction and force the transaction offline. If supported, leave the field empty in authorization code '	Transaction approved and authorization code is not printed on the receipt? YES: Testcase passed NO: Testcase failed



1.12 - Receipt

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	6.3.0 - 6.4.0 - 6.5.0 -	[All solutions]	N/A
Requirement	6.6.0 - 6.7.0 - 6.8.0 -		
Specification V 1.2.6	6.9.0 - 6.10.0 - 6.11.0 -		
	6.12.0 - 6.13.0 - 6.14.0		
	- 6.15.0		
Purpose:	To verify that the receipts contain the required data elements.		
General pass criteria:	All printed receipts shall contain the required data elements.		
Comments:	All the receipts examples are to find in the Nets Terminal Requirement Specification.		

Step Number	Description	Expected
Step 1	Analyse receipts from testcase 1.02 to testcase 1.11.	Are all data elements printed? YES: Testcase passed NO: Testcase failed



1.13 - Merchant display - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	2.2.0 - 2.3.0 - 2.4.0 -	[Attended]	NTC 03
Requirement Specification V 1.2.6	2.5.0		
Purpose:	•	tion state and flow is synchron amount and currency before o	•
General pass criteria:	Amount and currency on cardholder display, merchant display and receipt shall be consistent. The transaction state and flow shall be synchronous.		
		,	
Comments:			

Step Number	Description	Expected
Step 1	Complete a purchase for each supported currency - Observe the merchant and cardholder display.	Are the displays synchronous? YES: Next step NO: Testcase failed
Step 2	Verify the transactions performed in step 1.	Was the amount and currency consistent on merchant display, cardholder display and receipt? YES: Text step NO: Testcase failed
Step 3	Complete a purchase with an amount of 120.00 and the transaction will be declined - Observe the merchant and cardholder display.	Are the displays synchronous? YES: Next step NO: Testcase failed
Step 4	Initiate a purchase and cancel it from the PIN PAD - Observe the merchant and cardholder display.	Are the displays synchronous? YES: Testcase passed NO: Testcase failed



1.14 - Sequence of events - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement	1.1.0 - 1.3.0 - 1.4.0 - 2.2.0	[All solutions]	Nets 03
Specification V 1.2.6	2.2.0		
Purpose:	To verify that the solution can clear a wrong PIN entry and cancel a transaction, when activated by cardholder.		
General pass criteria:	It shall be possible for cardholder to delete a wrong PIN entry and to cancel a transaction		
Comments:			

lest Steps				
Step Number	Description	Expected		
Step 1	Complete a purchase - Start by transferring amount, and then insert Card.	The transaction was performed successfully without any errors? YES: Next step NO: Testcase failed		
Step 2	Complete a purchase - Start by inserting Card and then transfer the amount.	The transaction was performed successfully without any errors? YES: Next step NO: Testcase failed		
Step 3	Complete a refund - Start by inserting card and then transfer the amount.	The transaction was performed successfully without any errors? YES: Testcase passed NO: Testcase failed		
Step 4	Initiate a purchase - Transfer an amount, and then cancel the transaction.	Transaction cancelled successfully ? YES: Next step NO: Testcase failed		
Step 5	Initiate a purchase - Transfer an amount, insert card, and then cancel the transaction.	Transaction cancelled successfully ? YES: Next step NO: Testcase failed		



Step 6	Initiate a purchase - Transfer an amount, insert card, enter the PIN and then clear the PIN digits, followed by a cancel of the cancel.	PIN digits cleared and transaction cancelled successfully ?
		YES: Testcase passed NO: Testcase failed



1.15 - Receipt printer failure - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	6.3.0 - 6.13.0 - 6.16.0	[All solutions]	NTC 03
Purpose:	To verify that cardholder can always get the receipt unless cardholder has chosen/accepted not to.		
General pass criteria:	A receipt shall always be available unless cardholder has actively chosen/accepted not to get the receipt.		
Comments:	POS: If all receipts is saved and re-printable from the merchant application, the payment solution can continue performing transactions without any further notice to the merchant.		

est steps			
Step Number	Description	Expected	
Step 1	Disable the printer and try to initiate a transaction.	POS: The merchant is informed that a receipt printer failure has occurred? UPT: The cardholder shall accept that a receipt can't be printed? YES: Testcase passed NO: Next step	
Step 2	The solution must not be able to perform transactions while the printer is disabled.	Is it possible to perform a transaction while the printer is disabled? YES: Testcase failed NO: Testcase passed	



1.16 - Receipt desired - contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	6.3.0 - 6.17.0	[Unattended]	NTC 04
Requirement			
Specification V 1.2.6			
Purpose:	To verify that an unattended solution can handle a receipt desired dialog correctly.		
General pass criteria:	The solution shall show a dialog, that allows cardholder to select whether the receipt shall be printed.		
Comments:			

Step Number	Description	Expected
Step 1	Initiate a purchase and verify if the cardholder can choose the receipt to be printed or not.	Is the cardholder able to decide receipt printing ? YES: Testcase passed NO: Testcase failed
Step 2	Initiate a purchase and leave the terminal in the 'receipt printing decision screen'.	Transaction completed without receipt ? YES: Testcase passed NO: Testcase failed



1.17 - Multiuser receipt- contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	6.3.0	[Multi User]	NTC 03 & NTC 04
Purpose:	To verify that the correct receipt will be printed, in a multi user solution.		
General pass criteria:	The cardholder shall be able to print the correct receipts.		
Comments:			

250 500 50			
Step Number	Description	Expected	
Step 1	Initiate a pre-authorization from location 1, by inserting NTC 03.	Transaction initiated ? YES: Next step NO: Testcase failed	
Step 2	Initiate a pre-authorization from location 2, by tapping NTC 04	Transaction initiated ? YES: Next step NO: Testcase failed	
Step 3	Capture both pre_authorizations and try to get the receipts for both transactions, each receipt separately.	Was it possible to get the right receipt for each transaction ? YES: Testcase passed NO: Testcase failed	



1.18 - Transaction log - contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.9.0 - 3.75.0 - 3.76.0 -	[All solutions]	NTC 06
Requirement	3.77.0 - 3.78.0		
Specification V 1.2.6			
Purpose:	To verify that the log contains the minimum set of data for all transactions, regardless of the transaction result.		
General pass criteria:	The log shall contain the minimum set of data for all transactions.		
Comments:	If all the receipts are stored, the requirements for this test case are passed.		

Step Number	Description	Expected
Step 1	Complete a purchase.	Transaction successfully completed ? YES: Next step NO: Testcase failed
Step 2	Complete a purchase with wrong PIN.	Transaction rejected with wrong PIN ? YES: Next step NO: Testcase failed
Step 3	Analyse the transaction log for required data elements (Date, Time, Amount, Ref.nr and action code).	Are the required data elements logged for both transactions? YES: Testcase passed NO: Testcase failed



1.19 - Protection of equipment - contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	1.9.0 - 5.11.0 - 5.16.0	[Unattended]	NTC 04
Requirement			
Specification V 1.2.6			
Purpose:	To verify that the solution is protected from skimming.		
General pass criteria:	The solution shall be out of operation when door has been opened, and shall not start normal operation, unless authorised personnel has activated the terminal.		
Comments:	'Fully integrated terminal' may be out of scope for this requirement.		

Step Number	Description	Expected
Step 1	Open the door of the terminal housing.	Possible to initiate a transaction ? YES: Testcase failed NO: Next step
Step 2	Close the door of the terminal housing.	Possible to initiate a transaction ? YES: Testcase failed NO: Next step
Step 3	Enable the solution so it gets back to idle.	Is the enable function protected? YES: Next step NO: Testcase failed
Step 4	Complete a transaction.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 5	Analyse the log.	Is Open, Close and Enabling of the terminal housing logged with date and time ? YES: Testcase passed NO: Testcase failed



2.01 - DCC Purchase - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.37.0 - 3.38.0 - 3.39.0	[DCC]	NTC 05,
Requirement	- 3.40.0 - 3.41.0 -		NTC 06
Specification V 1.2.6	3.42.0 - 3.43.0 - 3.44.0		
	- 3.45.0 - 3.46.0 -		
	3.47.0 - 3.48.0 - 3.49.0		
Purpose:	To verify that a DCC purchase can be completed.		
General pass criteria:	DCC purchase transaction is completed, without any errors.		
Comments:	You may use another preferred testcard included in your DCC test list.		

est steps			
Step Number	Description	Expected	
Step 1	Initiate a contact purchase with NTC 05.	DCC question appear ?	
		YES: Next step NO: Testcase failed	
Step 2	Choose the cardholders currency.	Transaction completed successfully ?	
		YES: Next step NO: Testcase failed	
Step 3	Analyse the receipt.	Receipt printed correctly according to the requirement ?	
		YES: Next step NO: Testcase failed	
Step 4	Initiate a contactless DCC purchase with NTC 06 .	DCC question appear ?	
		YES: Next step NO: Testcase failed	
Step 5	Choose the cardholders currency.	Transaction completed successfully ?	
		YES: Next step NO: Testcase failed	
Step 6	Analyse the receipt.	Receipt printed correctly according to the requirement ?	
		YES: Testcase passed NO: Testcase failed	



2.02 - DCC Refund - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.37.0 - 3.38.0 - 3.39.0	[DCC, Refund]	NTC 05,
Requirement	- 3.40.0 - 3.41.0 -		NTC 06
Specification V 1.2.6	3.42.0 - 3.43.0 - 3.44.0		
	- 3.45.0 - 3.46.0 -		
	3.47.0 - 3.48.0 - 3.49.0		
Purpose:	To verify that a DCC refund can be completed.		
General pass criteria:	DCC refund transaction is completed, without any errors.		
Comments:	You may use another preferred testcard included in your DCC test list.		

Step Number	Description	Expected
Step 1	Initiate a contact refund with NTC 05.	DCC question appear? YES: Next step NO: Testcase failed
Step 2	Choose to complete the refund in cardholders' currency.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 3	Analyse the receipt.	Receipt printed correctly according to the requirements? YES: Next step NO: Testcase failed
Step 4	Initiate a contactless DCC refund with NTC 06.	DCC question appear ? YES: Next step NO: Testcase failed
Step 5	Choose to complete the refund in cardholders currency.	Transaction completed successfully ? YES: Next step NO: Testcase failed



Step 6	Analyse the receipt.	Receipt printed correctly according to the requirements ? YES: Next step NO: Testcase failed
Step 7	Initiate a DCC transaction below the contactless 'CVM limit'.	DCC transaction below contactless 'CVM limit' possible ? YES: Testcase failed NO: Testcase passed



2.03 - Gratuity - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.51.0 - 3.52.0 - 3.53.0	[Gratuity]	NTC 03,
Requirement	- 3.54.0 - 3.55.0		NTC 04
Specification V 1.2.6			
Purpose:	To verify that purchase including gratuity is performed, without any errors.		
General pass criteria:	The total amount to be paid shall be presented to cardholder before acceptance.		
Comments:			

Step Number	Description	Expected
Step 1	Complete a contact purchase with NTC 03 including gratuity.	Is the gratuity dialog correctly performed and the transaction successfully completed ? YES: Next step NO: Testcase failed
Step 2	Complete a contactless purchase with NTC 04 including gratuity.	Is the gratuity dialog correctly performed and the transaction successfully completed ? YES: Testcase passed NO: Testcase failed



2.04 - Transaction fee - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	3.8.0 - 3.55.0	[Fee]	NTC 05, NTC 06
Purpose:	To verify that the fee is working correctly.		
General pass criteria:	The total amount to be paid including surcharge, must be presented when accepting the amount.		
Comments:	You may use another preferred testcard included in your fee test list.		

Step Number	Description	Expected
Step 1	Complete a contact transaction including transaction fee with NTC 05.	Transaction including fee completed successfully ? YES: Next step NO: Testcase failed
Step 2	Analyse the receipt.	Transaction fee printed on the receipt ? YES: Next Step NO: Testcase failed
Step 3	Complete a contactless transaction including transaction fee with NTC 06.	Transaction including fee completed successfully ? YES: Next step NO: Testcase failed
Step 4	Analyse the receipt.	Transaction fee printed on the receipt ? YES: Testcase passed NO: Testcase failed



2.05 - Cancellation - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	3.17.0 - 3.18.0 - 3.20.0 - 3.21.0 - 3.22.0 - 3.23.0 - 3.24.0 - 3.19.0	[Cancellation]	NTC 03, NTC 06
Purpose:	To verify that the cancellation is working correctly.		
General pass criteria:	It shall be possible to perform a cancellation, without any errors.		
Comments:	message.	roved transactions must gene proved visa contactless transa a refund transactions.	

Step Number	Description	Expected
Step 1	Complete a contact purchase with NTC 03.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 2	Cancel the completed transaction.	Transaction cancelled successfully and a reversal is sent to the host ? YES: Next testcase NO: Testcase failed
Step 3	Perform a transaction with an amount of 120,00	Transaction declined and a reversal is sent to the host ? YES: Next Step NO: Testcase failed
Step 4	Complete a contactless transaction with NTC 06 where the amount is above the 'terminal floor limit'.	Transaction is successfully approved online ? YES: Next Step NO: Testcase failed



Step 5	Complete a cancellation of the transaction performed in step 4.	Cancellation completed successfully ? YES: Next Step NO: Testcase failed
Step 6	Complete a contactless transaction with NTC 06 where the amount is below the 'terminal floor limit'.	Transaction is successfully approved offline? YES: Next Step NO: Testcase failed
Step 7	Complete a cancellation of the transaction performed in step 6.	Cancellation completed successfully ? YES: Testcase Passed NO: Testcase failed



2.06 - Cashback - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	7.1.0 - 3.7.0 - 3.34.0 -	[Attended, Cashback]	NTC 03,
Requirement	3.93.0		NTC 04
Specification V 1.2.6			
Purpose:	To verfiy that the solution without any errors.	performs a transaction with	cashback,
General pass criteria:	The solution shall be able without any errors.	to perform a transaction with	cashback,
Comments:			

Step Number	Description	Expected
Step 1	Complete a contact transaction using NTC 03 with cashback amount.	Transaction including cashback amount completed successfully ? YES: Next step. NO: Testcase failed
Step 2	Analyse the receipt.	Receipt printed correctly according to the requirement ? YES: Next Step NO: Testcase failed
Step 3	Complete a contactless cashback transaction using NTC 04 .	Transaction is successfully approved ? YES: Next Step NO: Testcase failed
Step 4	Analyse the receipt.	Receipt printed correctly according to the requirement ? YES: Next Step NO: Testcase failed
Step 5	Try to initiate a contactless transaction, with the combination of DCC and Cashback.	Was it possible to combine DCC and Cashback ? YES: Testcase failed NO: Next Step



Step 6	Try to initiate a contactless cashback transaction, with an amount below terminal floor limit.	Was it possible to perform a contactless cashback transaction Offline? YES: Testcase failed
		NO: Testcase passed



2.07 - Loyalty - contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6		[NFC]	NTC 04
Purpose:	To verify that the solution can perform a contactless transaction, including loyalty functionality, without any errors.		
General pass criteria:	The solutions must perform a contactless transaction, including loyalty functionality, without any errors		
Comments:	The final amount shall always be presented for the cardholder before approval if the amount is higher than first presented.		

Step Number	Description	Expected
Step 1	Complete a contactless transaction, with the use of a loyalty function and where the final amount is higher than first presented.	Transaction is successfully approved ? YES: Next Step NO: Testcase failed
Step 2	Complete a contactless transaction, with the use of a loyalty function and where the final amount is lower than first presented.	Transaction is successfully approved ? YES: Next step NO: Testcase failed
Step 3	Analyse the receipts.	Both receipt printed correctly according to the requirements ? YES: Testcase passed NO: Testcase failed



2.08 - POS entry mode

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	1.1.0 - 1.2.0	[All solutions]	NTC 01,
Requirement			NTC 02,
Specification V 1.2.6			NTC 03,
			NTC 04,
			VC 01
Purpose:	To verify that the transac mode.	tion is performed with the cor	rect POS entry
General pass criteria:	The transaction shall be for POS entry mode.	ormatted and sent to the host	with the correct
Comments:	Perform all the steps that solution.	are applicable/supported for	the payment

Step Number	Description	Expected
Step 1	Complete a purchase with NTC 01 for each supported CVM (PIN, Signature and 'NO CVM').	POS entry mode encoded correctly for each transaction ?
		YES: Next step NO: Testcase failed
Step 2	Complete a purchase with NTC 02 for each supported CVM (PIN, Signature and 'NO CVM').	POS entry mode encoded correctly for each transaction ?
		YES: Next step NO: Testcase failed
Step 3	Complete a purchase with NTC 03 for each supported CVM (PIN, Signature and 'NO CVM').	POS entry mode encoded correctly for each transaction ?
		YES: Next step NO: Testcase failed
Step 4	Complete a purchase with NTC 04 below and above CVM limit.	POS entry mode encoded correctly for each transaction ?
		YES: Next testcase NO: Testcase failed



Step 5	Complete a purchase with VC001 below and above CVM limit.	POS entry mode encoded correctly for each transaction ?
		YES: Testcase passed NO: Testcase failed



3.01 - Mastercard Purchase - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	1.1.0 - 1.2.0	[All solutions]	NTC 03,
Requirement			NTC 04
Specification V 1.2.6			
Purpose:	To verify that the solution can accept and perform a transaction with the card scheme.		
General pass criteria:	It shall be possible to perform a transaction, without any errors.		
Comments:	If possible, please use an	amount of 20,00 or 200,00	

Step	Description	Expected
Number		
Step 1	Complete a contact purchase using NTC 03	Transaction completed successfully?
		YES: Next step NO: Testcase failed
Step 2	Analyse the receipt.	All data elements printed correctly ?
		YES: Next step NO: Testcase failed
Step 3	Complete a contactless purchase using NTC 04	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 4	Analyse the receipt.	All data elements printed correctly ? YES: Next step NO: Testcase failed
Step 5	If supported, complete a contact refund using NTC 03	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 6	Analyse the receipt.	All data elements printed correctly ? YES: Next step NO: Testcase failed



Step 7	If supported complete a contactless refund using NTC 04	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 8	Analyse the receipt.	All data elements printed correctly ? YES: Testcase Passed NO: Testcase failed



3.02 - Visa - Purchase - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	1.1.0 - 1.2.0	[All solutions]	NTC 05 & NTC
Requirement			06
Specification V 1.2.6			
Purpose:	To verify that the solution can accept and perform a transaction with the card scheme.		
General pass criteria:	It shall be possible to per	form a transaction, without ar	ny errors.
Comments:			

Step	Description	Expected
Number	Description	Expected
Step 1	Complete a contact purchase using NTC 05	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 2	Analyse the receipt.	All data elements printed correctly ? YES: Next step NO: Testcase failed
Step 3	Complete a contactless purchase using NTC 06	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 4	Analyse the receipt.	All data elements printed correctly ? YES: Testcase passed NO: Testcase failed
Step 5	If supported, complete a contact refund using NTC 05	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 6	Analyse the receipt.	All data elements printed correctly ? YES: Next step NO: Testcase failed



Step 7	If supported complete a contactless refund using NTC 06	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 8	Analyse the receipt.	All data elements printed correctly ? YES: Passed NO: Testcase failed



3.03 - Dankort Purchase - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	1.1.0 - 1.2.0	[All solutions]	NTC 07, NTC 08, NTC 09, NTC08 b, NTC09 b
Purpose:	To verify that the solution can accept and perform a purchase with the card scheme.		
General pass criteria:	It shall be possible to perform a purchase, without any errors.		
Comments:	All co-branded Dankort used in a Danish terminal that support both applications, must be able to provide payment for both applications. The merchant may choose to have a pre-selected application, and the cardholder must be able to change application from the pre-selected, to the other application. All solutions supporting Dankort scheme must support the contactless technology for Visa, Mastercard and JCB.		

est Steps			
Step Number	Description	Expected	
Step 1	Complete a purchase with NTC 08 (A000001211010), using the contact interface.	Transaction completed successfully? YES: Next step NO: Testcase failed	
Step 2	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed	
Step 3	Complete a purchase with NTC 08 (A000001211010), using the contactless interface.	Transaction completed successfully with the correct application? YES: Next step NO: Testcase failed	
Step 4	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed	



Step 5	Initiate a purchase with NTC 09 (A0000001214711), using contact interface.	Does the cardholder have the option to select both Dankort and Visa? YES: Next step NO: Testcase failed
Step 6	Choose Dankort application and complete the purchase.	Transaction correctly processed as Dankort? YES: Next step NO: Testcase failed
Step 7	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 8	Complete a purchase with NTC 09 (A000001214711) using the contactless interface.	Does the cardholder have the option to select both Dankort and Visa? YES: Next step NO: Testcase failed
Step 9	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 10	Initiate a purchase with NTC 07 (A0000001214713), using contact interface.	Does the cardholder have the option to select both Dankort and Mastercard? YES: Next step NO: Testcase failed
Step 11	Choose Dankort application and complete the purchase.	Transaction correctly processed as Dankort ? YES: Next step NO: Testcase failed
Step 12	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 13	Complete a purchase with NTC 07 (A000001214713), using the contactless interface.	Does the cardholder have the option to select both Dankort and Visa ? YES: Next step NO: Testcase failed
Step 14	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed



Step 15	Complete a purchase with NTC 08 b (A0000001214712), using the contact interface.	Transaction completed successfully? YES: Next step NO: Testcase failed
Step 16	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 17	Complete a purchase with NTC 08 b (A000001214712), using the contactless interface.	Transaction completed successfully with the correct application? YES: Next step NO: Testcase failed
Step 18	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 19	Initiate a purchase with NTC 09 b (A0000001214712), using contact interface.	Does the cardholder have the option to select both Dankort and Visa? YES: Next step NO: Testcase failed
Step 20	Choose Dankort application and complete the purchase.	Transaction correctly processed as Dankort? YES: Next step NO: Testcase failed
Step 21	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 22	Complete a purchase with NTC 09 b (A0000001214712) using the contactless interface.	Does the cardholder have the option to select both Dankort and Visa? YES: Next step NO: Testcase failed
Step 23	Analyse the receipt.	All data printed correctly? YES: Next step NO: Testcase failed
Step 24	In the terminal integrated?	YES: Next step NO: Testcase Passed
Step 25	Did the terminal delivered the PAR to the ECR?	YES: Testcase Passed NO: Testcase failed



3.04 - Dankort refund - contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	1.1.0 - 1.2.0	[Refund]	NTC 07,
Requirement			NTC 08,
Specification V 1.2.6			NTC 09,
			NTC 08b,
			NTC 09b,
Purpose:	To verify that the solution can accept and perform a refund with the card scheme.		
General pass criteria:	It shall be possible to perf	form a refund, without any er	rors.
Comments:			

Step Number	Description	Expected
Step 1	Complete a contact refund using NTC 08	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 2	Complete a contactless refund using NTC 08	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 3	Complete a Dankort contact refund using NTC 09	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 4	Complete a Dankort contactless refund using NTC 09	Transaction completed, and receipt printed successfully? YES: Next step NO: Testcase failed
Step 5	Complete a Dankort contact refund using NTC 07	Transaction completed, and receipt printed successfully? YES: Next step NO: Testcase failed



Step 6	Complete a Dankort contactless refund using NTC 07	Transaction completed, and receipt printed successfully? YES: Next step NO: Testcase failed
Step 7	Complete a contact refund using NTC 08 b	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 8	Complete a contactless refund using NTC 08 b	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 9	Complete a Dankort contact refund using NTC 09 b	Transaction completed, and receipt printed successfully ? YES: Next step NO: Testcase failed
Step 10	Complete a Dankort contactless refund using NTC 09 b	Transaction completed, and receipt printed successfully ? YES: Testcase Passed NO: Testcase failed



3.05 - Dankort Force offline - contact

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.1.0 - 3.2.0 - 3.3.0	[Force Offline]	NTC 09
Requirement			
Specification V 1.2.6			
Purpose:	To verify that the solution can manage to perform a transaction, without any connection.		
General pass criteria:	It may be possible to perform a forced offline transaction.		
Comments:	This functionality may be	supported by the terminal	_

Step Number	Description	Expected
Step 1	Complete a transaction, using the contact and where the transaction is forced offline.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 2	Initiate a forced offline transaction, using contact and with amount above 100.000,00 DKK.	Transaction declined ? YES: Testcase passed NO: Testcase failed



3.06 - Bankaxept Purchase contact & contactless

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement	1.1.0 - 1.2.0	[All solutions]	NTC 10
Specification V 1.2.6			
Purpose:	To verify that the solution can accept and perform a purchase with the card scheme.		
General pass criteria:	It shall be possible to per	form a purchase, without any	errors.
Comments:			

Step Number	Description	Expected
Step 1	Initiate a Purchase using the contact interface.	Does the cardholder have the option to select both Bankaxept and Visa ? YES: Next step NO: Testcase failed
Step 2	Choose Bankaxept application and complete the purchase.	Transaction correctly processed and completed as Bankaxept ? YES: Next step NO: Testcase failed
Step 3	Analyse the receipt.	All data printed correctly ? YES: Next step NO: Testcase failed
Step 4	Initiate a Purchase using the contactless interface.	Does the cardholder have the option to select both Bankaxept and Visa ? YES: Next step NO: Testcase failed
Step 5	Choose Bankaxept application and complete the purchase.	Transaction correctly processed and completed as Bankaxept ? YES: Next step NO: Testcase failed



Step 6	Analyse the receipt.	All data printed correctly ?
		YES: Testcase passed NO: Testcase failed



4.01 - Mobile purchase

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	3.127.0 - 3.131.0 - 3.132.0	[Mobile Payments]	VC001
Purpose:	To verify that the solution can complete a mobile purchase transaction, without any errors.		
General pass criteria:	It shall be possible to perf supported technologies, w	form a mobile purchase transa vithout any errors.	action using the
Comments:	•	ormed by entering PIN before communication with the termi	

Step Number	Description	Expected
Step 1	Complete a mobile purchase using NFC technology, with an amount below the CVM limit.	Transaction completed successfully, without PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed
Step 2	Complete a mobile purchase using NFC technology, with an amount above the CVM limit. Type in the correct PIN ?	Transaction completed successfully, with PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed
Step 3	Complete a mobile purchase using NFC technology, with an amount above the CVM limit. Type incorrect PIN ?	Transaction declined by phone due to incorrect PIN ? YES: Next step NO: Testcase failed
Step 4	Does the solution support mobile BLE reading technology ?	YES: Next step NO: Step 8
Step 5	Complete a mobile purchase using BLE technology, with an amount below the CVM limit.	Transaction completed successfully, without PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed



Step 6	Complete a mobile purchase using BLE technology, with an amount above the CVM limit. Type in the correct PIN ?	Transaction completed successfully, with PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed
Step 7	Complete a mobile purchase using BLE technology, with an amount above the CVM limit. Type incorrect PIN ?	Transaction declined by phone due to incorrect PIN ? YES: Next step NO: Testcase failed
Step 8	Does the solution support mobile QR reading technology ?	YES: Next step NO: Testcase passed
Step 9	Complete a mobile purchase using QR technology, with an amount below the CVM limit.	Transaction completed successfully, without PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed
Step 10	Complete a mobile purchase using QR technology, with an amount above the CVM limit. Type in the correct PIN ?	Transaction completed successfully, with PIN, and receipt printed correctly ? YES: Next step NO: Testcase failed
Step 11	Complete a mobile purchase using QR technology, with an amount above the CVM limit. Type incorrect PIN ?	Transaction declined by phone due to incorrect PIN ? YES: Testcase passed NO: Testcase failed



4.02 - Mobile refund

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.130.0 - 3.134.0	[Mobile Payments, Refund]	VC001
Requirement			
Specification V 1.2.6			
Purpose:	To verify that the solution without any errors.	can perform a mobile refund	transaction,
General pass criteria:	The solution must succesfully perform a mobile refund transaction, without the use of PIN.		
Comments:			

Step Number	Description	Expected
Step 1	Complete a mobile refund transaction using NFC technology, with an amount above the CVM limit.	Cardholder requested to enter PIN ? YES: Testcase failed NO: Next step
Step 2	Analyse the transaction result and receipts.	Two receipts printed for the approved refund transaction, with correct data ? YES: Next step NO: Testcase failed
Step 3	Does the solution support mobile BLE reading technology ?	YES: Next step NO: Step 6
Step 4	Complete a mobile refund transaction using BLE technology, with an amount above the CVM limit.	Cardholder requested to enter PIN ? YES: Testcase failed NO: Next step
Step 5	Analyse the transaction result and receipts.	Two receipts printed for the approved refund transaction, with correct data ? YES: Next step NO: Testcase failed
Step 6	Does the solution support mobile QR reading technology ?	YES: Next step NO: Testcase passed



Step 7	Complete a mobile refund transaction using QR technology, with an amount above the CVM limit.	Cardholder requested to enter PIN ? YES: Testcase failed NO: Next step
Step 8	Analyse the transaction result and receipts.	Two receipts printed for the approved refund transaction, with correct data ? YES: Testcase passed NO: Testcase failed



4.03 - Mobile cancellation

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement	3.131.0 - 3.135.0	[Cancellation, Mobile Payments]	VC001
Specification V 1.2.6		·, · · · · ·	
Purpose:	To verify that the mobile payment cancellation is working correctly.		
General pass criteria:	It shall be possible to perform a mobile payment cancellation, without any errors.		
Comments:			

est steps			
Step Number	Description	Expected	
Step 1	Complete a mobile purchase transaction using NFC technology.	Transaction completed successfully ? YES: Next step	
		NO: Testcase failed	
Step 2	Cancel the completed transaction.	Transaction cancelled successfully and a reversal is sent to the host ?	
		YES: Next step NO: Testcase failed	
Step 3	Analyse the printed cancellation receipt.	Receipt clearly indicates 'cancellation' transaction, with correct data ?	
		YES: Next step NO: Testcase failed	
Step 4	Does the solution support mobile BLE reading technology ?	YES: Next step NO: Step 8	
Step 5	Complete a mobile purchase transaction using BLE technology.	Transaction completed successfully ?	
		YES: Next step NO: Testcase failed	
Step 6	Cancel the completed transaction.	Transaction cancelled successfully and a reversal is sent to the host ?	
		YES: Next step NO: Testcase failed	



Step 7	Analyse the printed cancellation receipt.	Receipt clearly indicates 'cancellation' transaction, with correct data ? YES: Next step NO: Testcase failed
Step 8	Does the solution support mobile QR reading technology?	YES: Next step NO: Testcase passed
Step 9	Complete a mobile purchase transaction using QR technology.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 10	Cancel the completed transaction.	Transaction cancelled successfully and a reversal is sent to the host ? YES: Next step NO: Testcase failed
Step 11	Analyse the printed cancellation receipt.	Receipt clearly indicates 'cancellation' transaction, with correct data ? YES: Testcase passed NO: Testcase failed



4.04 - Mobile cashback

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal	3.131.0 - 3.135.0	[Cashback, International	VC001
Requirement Specification V 1.2.6		Cards, Mobile Payments]	
Specification v 1.2.6			
Purpose:	To verfiy that the solution performs a mobile transaction with cashback, without any errors.		
General pass criteria:	The solution shall be able to perform a mobile transaction with cashback, without any errors.		
Comments:			

Step Number	Description	Expected
Step 1	Complete a mobile transaction with cashback amount, using NFC technology.	Transaction including cashback amount completed successfully ?
		YES: Next step NO: Testcase failed
Step 2	Analyse the transaction.	Cardholder was presented with the total amount, including the cashback amount.
		YES: Next step NO: Testcase failed
Step 3	Does the solution support mobile BLE reading technology ?	YES: Next step NO: Step 6
Step 4	Complete a mobile transaction with cashback amount, using BLE technology.	Transaction including cashback amount completed successfully ?
		YES: Next step NO: Testcase failed
Step 5	Analyse the transaction.	Cardholder was presented with the total amount, including the cashback amount.
		YES: Next step NO: Testcase failed



Step 6	Does the solution support mobile QR reading technology ?	YES: Next step NO: Testcase passed
Step 7	Complete a mobile transaction with cashback amount, using QR technology.	Transaction completed successfully ? YES: Next step NO: Testcase failed
Step 8	Analyse the transaction.	Cardholder was presented with the total amount, including the cashback amount. YES: Testcase passed NO: Testcase failed



4.05 - Mobile DCC

Req. specification:	Req. tested:	Conditions:	Cards:
Nets Terminal Requirement Specification V 1.2.6	3.131.0 - 3.135.0	[DCC, International Cards, Mobile Payments]	VC001
Purpose:	To verify that the solution can perform a mobile DCC transaction, without any errors.		
General pass criteria:	The solutions must perform a mobile DCC transaction, without any errors		
Comments:	It shall not be possible to perform mobile DCC transactions without a CVM.		

Step Number	Description	Expected
Step 1	Initiate a mobile DCC purchase, using NFC technology.	DCC question appears, including the relevant exchange information ? YES: Next step NO: Testcase failed
Step 2	Complete the DCC transaction and analyse the printed receipt.	Transaction approved and receipt printed correctly according to the DCC receipt requirement ? YES: Next step NO: Testcase failed
Step 3	Does the solution support mobile BLE reading technology ?	YES: Next step NO: Step 6
Step 4	Initiate a mobile DCC purchase, using BLE technology.	DCC question appears, including the relevant exchange information ? YES: Next step NO: Testcase failed
Step 5	Complete the DCC transaction and analyse the printed receipt.	Transaction approved and receipt printed correctly according to the DCC receipt requirement ? YES: Next step NO: Testcase failed



Step 6	Does the solution support mobile QR reading technology ?	YES: Next step NO: Testcase passed
Step 7	Initiate a mobile DCC purchase, using QR technology.	DCC question appears, including the relevant exchange information ? YES: Next step NO: Testcase failed
Step 8	Complete the DCC transaction and analyse the printed receipt.	Transaction approved and receipt printed correctly according to the DCC receipt requirement ? YES: Testcase passed NO: Testcase failed