



[https://verifone.cloud/docs/uk-gateway/threeds\\_test\\_case\\_2\\_1\\_0](https://verifone.cloud/docs/uk-gateway/threeds_test_case_2_1_0)

Updated: 29-Oct-2021

## Test Cases 2.1.0

Note: for all test cases please use expiry year longer than 3 years from current year.

### Test Case 1: Successful Frictionless Authentication

Scenario	Successful frictionless authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001000</b>
Mastercard PAN	<b>5200000000001005</b>
American Express PAN	<b>3400000000001007</b>
Expected Results - Lookup	enrolled = Y, pares_status = Y, signature_verification = Y, cavv = <value>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should append the Cavv and EciFlag values to the authorization message.
ECI Value 05	Visa, American Express
ECI Value 02	Mastercard

### Test Case 2: Failed Frictionless Authentication

Scenario	Failed frictionless authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001018</b>
Mastercard PAN	<b>5200000000001013</b>
American Express PAN	<b>3400000000001015</b>
Expected Results - Lookup	enrolled = Y, pares_status = N, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A

Scenario	Failed frictionless authentication.
Merchant Action	Merchant should NOT continue authorization. Merchant should prompt for another form of payment and is not permitted to submit this transaction for authorization.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

### Test Case 3: Attempts Frictionless Authentication

Scenario	Attempts frictionless authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001026</b>
Mastercard PAN	<b>5200000000001021</b>
American Express PAN	<b>3400000000001023</b>
Expected Results - Lookup	enrolled = Y, pares_status = A, signature_verification = Y, cavv = <value>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should append Cavv and EciFlag to the authorization message.
ECI Value 06	Visa, American Express
ECI Value 01	Mastercard

### Test Case 4: Unavailable Frictionless Authentication from the Issuer

Scenario	Unavailable frictionless authentication from the issuer.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001034</b>
Mastercard PAN	<b>5200000000001039</b>
American Express PAN	<b>3400000000001031</b>
Expected Results - Lookup	enrolled = Y pares_status = U, signature_verification = Y cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank> payload = <blank>, error_no = 0 error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should proceed with the authorization message.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 5: Rejected Frictionless Authentication by the Issuer

Scenario	Rejected frictionless authentication by the issuer.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001042</b>
Mastercard PAN	<b>5200000000001047</b>
American Express PAN	<b>3400000000001049</b>
Expected Results - Lookup	enrolled = Y, pares_status = R, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should NOT continue with authorization. Merchant should prompt for another form of payment and is not permitted to submit this transaction for authorization.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 6: Authentication Not Available on Lookup

Scenario	Authentication not available on lookup.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001059</b>
Mastercard PAN	<b>5200000000001054</b>
American Express PAN	<b>3400000000001056</b>
Expected Results - Lookup	enrolled = U, pares_status = <blank>, signature_verification = <blank>, cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should proceed with the authorization message.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 7: Error on Lookup

Scenario	Error on lookup.
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Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001067</b>
Mastercard PAN	<b>5200000000001062</b>
American Express PAN	<b>3400000000001064</b>
Expected Results - Lookup	enrolled = U, pares_status = <blank>, signature_verification = <blank>, cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = <value>, error_desc = <value>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should proceed with the authorization message.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 8: Timeout on lookup Transaction

Scenario	Timeout on lookup transaction.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001075</b>
Mastercard PAN	<b>5200000000001070</b>
American Express PAN	<b>3400000000001072</b>
Expected Results - Lookup	enrolled = U, pares_status = <blank>, signature_verification = <blank>, cavv = <blank>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = <value>, error_desc = <value>
Expected Results - JWT (payments.validated event)	N/A
Merchant Action	Merchant should proceed with the authorization message.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 9: Successful Step Up Authentication

Scenario	Successful step up authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>4000000000001091</b>
Mastercard PAN	<b>5200000000001096</b>
American Express PAN	<b>3400000000001098</b>
Expected Results - Lookup	enrolled = Y, pares_status = C, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <value>, payload = <value>, error_no = 0, error_desc = <blank>

Scenario	Successful step up authentication.
Expected Results - JWT (payments.validated event)	PAResStatus = Y, SignatureVerification = Y, Cavv = <value> EciFlag = <ECI value>, ErrorNo = 0, ErrorDesc = <blank>
Merchant Action	Merchant should append Cavv and EciFlag to the authorization message.
ECI Value 05	Visa, American Express
ECI Value 02	Mastercard

## Test Case 10: Failed Step Up Authentication

Scenario	Failed step up authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>40000000000001109</b>
Mastercard PAN	<b>52000000000001104</b>
American Express PAN	<b>34000000000001106</b>
Expected Results - Lookup	enrolled = Y, pares_status = C, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <value>, payload = <value>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	PAResStatus = N, SignatureVerification = Y, Cavv = <blank>, EciFlag = <ECI value>, ErrorNo = 0, ErrorDesc = <blank>
Merchant Action	Merchant should NOT continue with authorization. Merchant should prompt for another form of payment and is not permitted to submit this transaction for authorization.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 11: Step Up Authentication is Unavailable

Scenario	Step up authentication is unavailable.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>40000000000001117</b>
Mastercard PAN	<b>52000000000001112</b>
American Express PAN	<b>34000000000001114</b>
Expected Results - Lookup	enrolled = Y, pares_status = C, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <value>, payload = <value>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	PAResStatus = U, SignatureVerification = Y, Cavv = <blank>, EciFlag = <ECI value>, ErrorNo = 0, ErrorDesc = <blank>
Merchant Action	Merchant can retry authentication or process authorization as merchant liability.

Scenario	Step up authentication is unavailable.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 12: Error on Authentication

Scenario	Error on authentication.
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>40000000000001125</b>
Mastercard PAN	<b>52000000000001120</b>
American Express PAN	<b>34000000000001122</b>
Expected Results - Lookup	enrolled = Y, pares_status = C, signature_verification = Y, cavv = <blank>, eci_flag = <ECI value>, acs_url = <value>, payload = <value>, error_no = 0, error_desc = <blank>
Expected Results - JWT (payments.validated event)	PAResStatus = <blank>, SignatureVerification = <blank>, Cavv = <blank>, EciFlag = <blank>, ErrorNo = <value> ErrorDesc = value
Merchant Action	Merchants have the option of retaining the liability and submitting the transaction as non-authenticated. An alternative action would be to prompt for another form of payment.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard

## Test Case 13: Require MethodURL

Scenario	Require MethodURL
Test Values	<b>Exp Date: 01/****</b>
Visa PAN	<b>40000000000001141</b>
Mastercard PAN	<b>52000000000001146</b>
American Express PAN	<b>34000000000001148</b>
Expected Results - Lookup	enrolled = Y, pares_status = Y, signature_verification = Y, cavv = <value>, eci_flag = <ECI value>, acs_url = <blank>, payload = <blank>, error_no = 0, error_desc = <blank>
Merchant Action	Merchant should proceed with the authorization message.
ECI Value 07	Visa, American Express
ECI Value 00	Mastercard