12 Response Logic

The Acquiring API provides different responses depending on the type of operation and features used in the request. Generally an operation will result in a response containing:

• Different transaction references

E.g. retrievalRefNumber. The retrievalRefNumber is important to store for future reference, as it is the reference that should be used when in contact with Bambora.

• Different response codes

The Acquiring API provides response codes on different detail levels. ResponseCodeCategory is the most high-level response code. It merely indicates whether the operation was approved, partially approved or declined. On the other end of the spectrum, responseCode1987 is the most detailed response code, giving you the raw response from scheme. Hence, the responseCode1987 have different meaning depending on scheme. For the responseCode1987 to be present, the operation must have resulted in communication with scheme. If the operation results in no communication with scheme, the responseCode1987 can in some cases be missing. The responseCode1987 can also in some cases be mapped to an appropriate response code on our end. This is true for all Diners Club & Discover & AMEX operations.

To reduce the need to understand the full complexity of the responseCode1987, we have mapped the values to additional intuitive response codes that are interpretations of the responseCode1987, called responseCode and responseCode2003. They are textual and numeric representations based on ISO 8583:2003 and are identical between all schemes. This makes them easier to base logic on. And then if needs arise for scheme specific response handling, you can use responseCode1987 in those cases.

Responder

Indicates the origin of the response.

Operation specific response data

Depends on the type of operation.

• Feature specific response data

Depends on the types of features used in the operation.

Further on we will clarify the set of response codes provided in the Acquiring API.

12.1 Response components

Note: All currency amounts are expressed in the minor unit of currency without a decimal separator, in accordance with ISO-4217 standards for currency notation. The API use MasterCard definition of the ISO-4217 standard, which do have a number of differences compared to the official ISO version. For example Iceland Krona (ISK) have 2 currency exponents. https://developer.mastercard.com/page/iso-4217-currency-codes

AcqApiTxResponse	
Name	Comments
amount*	
approvalCode	Authorization approval code if received from issuer."
clearingRespData*	Additional response data included when includeClearingRespData is true for
	transaction clearing, used only per agreement.
ecomRespData*	eCommerce and MOTO response data. Present if relevant data is available.
initialSchemeTransactionId	The Trace-id/TID presented to the scheme for a subsequent Recurring or
	Merchant Initiated Transaction (MIT), or the Trace-id/TID of an initial Recurring
	or initial ucof authorization.
merchant*	
operationId	operationId echoed from request
paymentAccountReference	Links all tokens to a PAN, also called PAR by the schemes.
responder	Origin of the response as BAMBORA, PROCESSOR, SCHEME or ISSUER
responseCode	Textual response code (APPROVED, DENIED_NO_FUNDS or
	ERROR_ISSUER_INOPERATIVE)
responseCode1987	Response code according to ISO 8583:1987
responseCode2003	Numeric response code according to ISO 8583:2003
responseCodeCategory	Category of response code.
	 APPROVED



	 PARTIALLY_APPROVED means that e.g. Address Verification System
	or similar check was not successful. If client does not wish to
	proceed with transaction, AUTH_REVERSAL must be sent."
	DECLINED
retrievalRefNumber	Retrieval reference number for transaction
terminalRespData*	Payment terminal response data
transactionId	"transactionId echoed from request"
amount*	
Name	Comments
isoAmount	The API use MasterCard definition of the ISO-4217 standard, see note below
amount	
currency	
clearingRespData*	
Name	Comments
addressVerificationSystemResult	Card scheme address verification system result"
authorizationCharacteristicsIndicator"	Authorization characteristics indicator"
cardLevelProductId	Card level product ID"
cvvResultCode	Card scheme CVV result code"
dateSettlement	Card scheme month and day of settlement"
dciPointOfServiceData	DinersClub / Discover point of service data"
electronicCommerceIndicator	Electronic commerce indicator"
lifeCycleIndicator	Life cycle indicator"
merchantCategoryCode	Merchant category code used in authorization"
merchantName	Merchant name used in authorization"
rawActionCode1993	ISO 8583:1993 action code for selected schemes"
terminalTypeIndicator	Terminal type indicator"
transactionId	Card scheme transaction ID"
validationCode	Validation code"
addressVerificationSystemResult	Card scheme address verification system result"
authorizationCharacteristicsIndicator"	Authorization characteristics indicator"
ecomRespData *	
Name	Comments
	Result of Address Verification Result
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH",
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH",
avsResult	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED",
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR",
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED")
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D
avsResult	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL
	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS",
avsResult	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK",
avsResult cardholderVerificationMethod	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY")
avsResult cardholderVerificationMethod cvvResult	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK",
avsResult cardholderVerificationMethod cvvResult merchant*	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED")
avsResult cardholderVerificationMethod cvvResult	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED")
avsResult cardholderVerificationMethod cvvResult merchant*	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted.
avsResult cardholderVerificationMethod cvvResult merchant* Name	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions."
avsResult cardholderVerificationMethod cvvResult merchant* Name	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions."
avsResult cardholderVerificationMethod cvvResult merchant* Name address city	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions."
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted
avsResult cardholderVerificationMethod cvvResult merchant* Name address city	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions."
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId name	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied.
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied. Payment facilitator ID assigned by Bambora
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId name	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted. Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied. Payment facilitator ID assigned by Bambora Merchant postal code, retrieved from merchant configuration if omitted.
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId name paymentFacilitatorId postalCode	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied. Payment facilitator ID assigned by Bambora Merchant postal code, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions.
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId name paymentFacilitatorId	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted. Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied. Payment facilitator ID assigned by Bambora Merchant postal code, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions. ID for the merchant used by the scheme
avsResult cardholderVerificationMethod cvvResult merchant* Name address city country independentSalesOrgId merchantCategoryCode merchantId name paymentFacilitatorId postalCode	("MATCH", "ADDRESS_MATCH_POSTAL_CODE_MISMATCH", "ADDRESS_MISMATCH_POSTAL_CODE_MATCH", "ADDRESS_MATCH_POSTAL_CODE_NOT_VERIFIED", ADDRESS_NOT_VERIFIED_POSTAL_CODE_MATCH", "MISMATCH", "ERROR", "NOT_VERIFIED") "Actual cardholder verification method, present if scheme downgraded 3D Secure to SSL ("NONE", "CVV2", "THREEDS_ATTEMPT", "THREEDS", "THREEDS_MERCHANT_RISK", "THREEDS_ISSUER_RISK", "THREEDS_DATA_ONLY") ("MATCH", "MISMATCH", "CARD_HAS_CVV", "NOT_VERIFIED") Comments Merchant street address, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant city, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions." Merchant country, retrieved from merchant configuration if omitted independentSalesOrgId" "Independent sales organisation ID assigned by Bambora Merchant category code (MCC), retrieved from merchant configuration if omitted Bambora merchant ID Merchant name, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions in which case special format has to be applied. Payment facilitator ID assigned by Bambora Merchant postal code, retrieved from merchant configuration if omitted. Mandatory for payment facilitator transactions.



subMerchantId":	ID of sub-merchant assigned by PF/ISO. Used only together with PF ID or ISO ID"
"terminalId"	Terminal ID ANS(8). Optional for eCommerce and other card not present ","minLength" : 8, "maxLength" : 8
terminal Resp Data*	
"emvData	"BER TLV encoded EMV response data"

12.2 ResponseCode1987 (MasterCard)

responseCode1987 Name 00 = Approved or completed 01 = Refer to card issuer Call Issuer 03 = Invalid merchant 04 = Capture card 05 = Do not honor 08 = Honor with ID 10 = Partial Approval 12 = Invalid transaction 13 = Invalid amount 14 = Invalid card number 15 = Invalid issuer 30 = Format error 41 = 1 ost card 43 = Stolen card 51 = Insufficient funds/over credit limit 54 = Expired card 55 = Invalid PIN 57 = Transaction not permitted to issuer/cardholder 58 = Transaction not permitted to acquirer/terminal 60 = Contact Acquirer 61 = Exceeds withdrawal amount limit 62 = Restricted card 63 = Security violation 65 = Strong customer authentication required by issuer 70 = Contact Card Issuer 71 = PIN Not Changed 75 = Allowable number of PIN tries exceeded 76 = Invalid/nonexistent "To Account" specified 77 = Invalid/nonexistent "From Account" specified 78 = Invalid/nonexistent account specified (general) 81 = Domestic Debit Transaction Not Allowed (Regional use only) 84 = Invalid Authorization Life Cycle 85 = Not declined Valid for all zero amount transactions. 86 = PIN Validation not possible Decline 87 = Purchase Amount Only, No Cash Back Allowed 88 = Cryptographic failure 89 = Unacceptable PIN—Transaction Declined—Retry 91 = Authorization System or issuer system inoperative 92 = Unable to route transaction 94 = Duplicate transmission detected 96 = System error Decline

12.3 ResponseCode1987 (Visa)

responseCode1987 Name 00 = Approved or completed 01 = Refer to card issuer Call Issuer (not valid for an issuer to use anymore) 02 = Refer to card issuer Call Issuer (not valid for an issuer to use anymore) 03 = Invalid merchant 04 = Capture card 05 = Do not honor 06 = Error



- 07 = Capture Card
- 10 = Partial Approval
- 11 = V.I.P. approval
- 12 = Invalid transaction
- 13 = Invalid amount
- 14 = Invalid account number
- 15 = No such issuer
- 19 = Re-enter transaction
- 21 = No action taken, unable to back out prior transaction
- 25 = Unable to locate record in file, or Account number missing from inquiry
- 28 = File is temporarily unavailable
- 39 = No credit account
- 41 = Pick-up card, lost card
- 43 = Pick-up card, stolen card
- 51 = Insufficient funds
- 52 = No current account
- 53 = No savings account
- 54 = Expired card
- 55 = Incorrect PIN
- 57 = Transaction not permitted to Cardholder
- 58 = Transaction not allowed at terminal
- 59 = Suspected fraud
- 60 = Contact Acquirer
- 61 = Activity amount limit exceeded
- 62 = Restricted card, for example, listed in Country Exclusion table
- 63 = Security violation
- 64 = Transaction does not fulfil AML requirement
- 65 = Activity count limit exceeded
- 75 = Allowable number of PIN entry tries exceeded
- 76 = Unable to locate previous message, no match on Retrieval Reference number
- 77 = Previous message located for a repeat or reversal, but repeat or reversal data is inconsistent with original message
- 78 = 'Blocked, first used', the transaction is from a new Cardholder, and the card has not been properly unblocked
- 79 = Transaction already reversed
- 80 = Visa transaction, credit Issuer unavailable, or Private label transaction, invalid date
- 81 = PIN cryptographic error found, error found by VIC security module during PIN decryption
- 82 = Negative online CAM, dCVV, iCVV, or CVV results, or Offline PIN authentication was interrupted
- 85 = No reason to decline
- 86 = Cannot verify PIN
- 91 = Issuer unavailable
- 92 = Routing not found
- 93 = Transaction cannot be completed; violation of law.
- 94 = Duplicate transaction
- 96 = System malfunction
- 1A = Strong customer authentication required by issuer
- B1 = Surcharge amount not permitted on Visa cards (US Acquirers only)
- N0 = Force STIP
- N3 = Cash service not available
- N4 = Cash back request exceeds Issuer limit
- N7 = Decline for CVV2 failure
- N8 = Transaction amount exceeds pre-authorized approval amount
- P2 = Invalid biller information
- P5 = PIN change/unblock request declined
- P6 = Unsafe PIN
- R0 = Stop payment order
- R1 = Revocation of authorization order. Issuers receive an advice each time a transaction is stopped in VEAS by the Visa Europe

Payment Stop Service

- R3 = Revocation of all authorizations order. Issuers receive an advice each time a transaction is stopped in VEAS by the Visa Europe Payment Stop Service.
- Q1 = Card authentication failed, or Offline PIN authentication interrupted

12.4 ResponseCode1987 (UnionPay)

responseCode1987

Name

- 00 = Approved or completed
- 01 = Refer to card issuer Call Issuer
- 03 = Invalid merchant
- 04 = Capture card



- 05 = ID certification fails
- 10 = Partial Approval
- 11 = VIP (Approved)
- 12 = Invalid related transaction
- 13 = Invalid amount
- 14 = Invalid card number
- 15 = No such Issuers
- 16 = Approved to update track3 (approved)
- 21 = Card not initialized
- 22= Suspected malfunction; related transaction error
- 25 = Unable to locate original transaction
- 30 = Format Error
- 34 = Fraud
- 38 = PIN try limit exceeded
- 40 = Function requested not supported
- 41 = Lost Card
- 43 = Stolen Card
- 45 = Fallback transaction is not allowed
- 51 = Insufficient balance
- 54 = Expired Card
- 55 = Incorrect personal identification number
- 57 = Transaction not allowed to be processed by cardholder
- 58 = Transaction not allowed to be processed by terminal
- 59 = Suspected fraud
- 61 = Transaction amount limit exceeded
- 62 = Restricted card
- 64 = Original transaction amount error
- 65 = Exceeds withdrawal velocity limit
- 68 = Issuer response Timeout
- 75 = Allowable number of PIN tries exceeded
- 90 = Cutoff in progress
- 91 = Issuer not capable to process
- 92 = Financial institution or intermediate network facility cannot be found for routing
- 94 = Duplicated transaction
- 96 = Switch system malfunction
- 97 = ATM/POS terminal number cannot be located
- 98 = Issuer response not received by CUPS
- 99 = PIN Block Error
- A0 = MAC failed
- A2 = Successful transaction with fault (Approved)
- A3 = Account not found in Transfer-inside
- A4 = Successful transaction with fault (Approved)
- A5 = Successful transaction with fault (Approved)
- A6 = Successful transaction with fault (Approved)
- A7 = Security processing failure
- B1 = No arrears (transaction receipt not printed)
- C1 = Illegal Status of Acquirer
- D1 = Incorrect IIN
- D2 = Date Error
- D3 = Invalid file type
- D4 = File processed
- D5 = No such file
- D6 = Not supported by Receiver
- D7 = File locked
- D8 = Unsuccessful
- D9 = Incorrect file length
- DA = File decompression error
- DB = Filename error
- DC = File cannot be received
- F1 = File record format error
- F2 = File record repeated
- F3 = File record not existing
- F4 = File record error
- N1 = Items not on Bankbook beyond limit, declined
- Y1 = The offline transaction is successful (only used for IC cards based on UICS debit/credit standard.
- Y3 = It is unable to be online. The offline transaction is successful (only used for IC cards based on UICS debit/credit standard.
- Z1 = The offline transaction fails (only used for IC cards based on UICS debit/credit standard.
- Z3 = It is unable to be online. The offline transaction fails (only used for IC cards based on UICS debit/credit standard.



12.5 ResponseCode1987 (Diners Club & Discover & AMEX)

For Diners Club, Discover & AMEX operations the responseCode1987 is mapped to appropriate Visa & MasterCard responseCode1987 on our end. Hence the API response for these schemes does not contain the intact/raw response from scheme. Therefore you should use the scheme independent responseCode2003 and responseCode to interpret the response reason in case of any uncertainty.

12.6 ResponseCode2003 (All schemes)

```
responseCode2003 = responseCode
Name
0 = APPROVED
1 = APPROVED_CHECK_ID
2 = APPROVED_PARTIAL_AMOUNT (Not used today)
3 = APPROVED_VIP (Same interpretation as APPROVED)
4 = APPROVED_UPDATE_TRACK3 (Not used today)
800 = APPROVED_INT (Not used today)
801 = APPROVED_WITH_FAULT (Not used today)
999 = APPROVED UNKNOWN (Not used today)
1000 = DENIED
1001 = DENIED_EXPIRED_CARD
1002 = DENIED SUSPECTED FRAUD
1003 = DENIED_CONTACT_ACQ
1004 = DENIED_RESTRICTED_CARD
1005 = DENIED_CONTACT_ACQ_SEC
1006 = DENIED PIN LOCKED
1007 = DENIED_CONTACT_ISSUER
1008 = DENIED CONTACT ISSUER SC
1009 = DENIED INVALID CARD ACCEPTOR
1010 = DENIED INVALID AMOUNT
1011 = DENIED INVALID PAN
1012 = DENIED PIN REQUIRED
1013 = DENIED_UNACCEPTABLE_TX
1014 = DENIED INVALID ACCOUNT
1015 = DENIED_FUNCTION_NOT_SUPPORTED
1016 = DENIED NO FUNDS
1017 = DENIED_INCORRECT_PIN
1018 = DENIED NO CARD RECORD
1019 = DENIED_NOT_PERMITTED_TO_CARDHOLDER
1020 = DENIED NOT PERMITTED TO TERMINAL
1021 = DENIED_EXCEEDS_WITHDRAWAL_LIMIT
1022 = DENIED_SECURITY_VIOLATION
1023 = DENIED_EXCEEDS_WITHDRAWAL_FREQ
1024 = DENIED_LAW_VIOLATION
1025 = DENIED_CARD_NOT_EFFECTIVE
1992 = DENIED_SCA_REQUIRED
1994 = DENIED_TRY_AGAIN_LATER
1995 = DENIED_DO_NOT_TRY_AGAIN
1996 = DENIED RECURRING PAYMENT CANCELLATION
1997 = DENIED_3DS_MERCHANT_LIABLE
1998 = DENIED_EMV_FALLBACK
1999 = DENIED_UNKNOWN
2000 = DENIED_TC
2001 = DENIED_TC_EXPIRED_CARD
2002 = DENIED_TC_SUSPECTED_FRAUD
2003 = DENIED_TC_CONTACT_ACQ
2004 = DENIED TC RESTRICTED CARD
2005 = DENIED_TC_CALL_ACQ_SEC
2006 = DENIED TC PIN LOCKED
2007 = DENIED_TC_SC
2008 = DENIED TC LOST CARD
2009 = DENIED_TC_STOLEN_CARD
2010 = DENIED_TC_SUSPECTED_COUNTERFEIT
2999 = DENIED_TC_UNKNOWN
3999 = FILE ACTION UNKNOWN
4000 = REVERSAL APPROVED
```



```
4999 = REVERSAL UNKNOWN
5999 = RECONCILIATION_UNKNOWN (Not used today)
6999 = ADMIN UNKNOWN (Not used today)
7999 = FEE_COLLECTION_UNKNOWN (Not used today)
8000 = MGMT_ACCEPTED (Not used today)
8999 = MGMT_UNKNOWN (Not used today)
9102 = ERROR_INVALID_TRANSACTION
9103 = ERROR_RE_ENTER
9104 = ERROR_FORMAT
9105 = ERROR_ACQ_NOT_SUPPORTED
9106 = ERROR_CUTOVER
9107 = ERROR_ISSUER_INOPERATIVE
9108 = ERROR_CANNOT_ROUTE
9109 = ERROR_SYSTEM
9110 = ERROR_ISSUER_SIGNED_OFF
9111 = ERROR_ISSUER_TIMEOUT
9112 = ERROR_ISSUER_UNAVAILABLE
9113 = ERROR_DUPLICATE
9114 = ERROR_CANNOT_FIND_ORIGINAL
9115 = ERROR RECONCILIATION
9116 = ERROR_MAC_INCORRECT
9117 = ERROR_MAC_KEY_SYNC
9118 = ERROR_NO_COMMS_KEYS
9119 = ERROR ENC KEY SYNC
9210 = ERROR_SECURITY_SW_HW_RETRY
9121 = ERROR SECURITY SW HW
9122 = ERROR_MSG_SEQ_NUMBER
9123 = ERROR REQ IN PROGRESS
9600 = ERROR_INT_UNKNOWN_DESTINATION
9601 = ERROR INT DESTINATION INOPERATIVE
9602 = ERROR INT UNSUPPORTED REQUEST
9603 = ERROR INT SYSTEM
9604 = ERROR_INT_ALREADY_CAPTURED
9605 = ERROR_RELATED_TX_ERROR
9606 = ERROR_AMOUNT_MISMATCH
9607 = ERROR_UNKNOWN_TERMINAL
9608 = ERROR_PIN_BLOCK
9609 = ERROR_ACQ_STATUS
9610 = ERROR_CANNOT_CAPTURE
9611 = ERROR_CURRENCY_MISMATCH
9999 = ERROR_UNKNOWN
```

