**Data dictionary**



**DG20 Version 1.0**

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Contents

[Preface 5](#_Toc364945255)

[Glossary 5](#_Toc364945256)

[Acronyms 6](#_Toc364945257)

[1 Introduction 8](#_Toc364945258)

[1.1 About Sips 8](#_Toc364945259)

[1.2 Purpose of the document 8](#_Toc364945260)

[2 Format agreement 9](#_Toc364945261)

[3 Data dictionary 10](#_Toc364945262)

[4 Appendices 28](#_Toc364945263)

[4.1 acquirerResponseCode 28](#_Toc364945264)

[4.2 areaList 29](#_Toc364945265)

[4.3 authenticationData.threeD 29](#_Toc364945266)

[4.3.1 authenticationData.threeD.cavvAlgorithm 29](#_Toc364945267)

[4.3.2 authenticationData.threeD.eci 29](#_Toc364945268)

[4.3.3 authenticationData.threeD.securityIndicator 30](#_Toc364945269)

[4.3.4 authenticationData.threeD.txStatus 30](#_Toc364945270)

[4.4 automaticResponseStatus 30](#_Toc364945271)

[4.5 captureMode 31](#_Toc364945272)

[4.6 cardScheme 31](#_Toc364945273)

[4.7 complementaryCode 31](#_Toc364945274)

[4.8 currencyCode 32](#_Toc364945275)

[4.9 customerLanguage 33](#_Toc364945276)

[4.10 countryList 33](#_Toc364945277)

[4.11 fraudData.bypass3DS 39](#_Toc364945278)

[4.12 fraudData.bypassCtrlList 40](#_Toc364945279)

[4.13 fraudData.bypassInfoList 40](#_Toc364945280)

[4.14 guaranteeIndicator 40](#_Toc364945281)

[4.15 hashAlgorithm 41](#_Toc364945282)

[4.16 holderAuthentRelegationCode 41](#_Toc364945283)

[4.17 holderAuthentStatus 41](#_Toc364945284)

[4.18 interfaceVersion 42](#_Toc364945285)

[4.19 merchantTokenOrigin 42](#_Toc364945286)

[4.20 operationName 43](#_Toc364945287)

[4.21 status 43](#_Toc364945288)

[4.22 orderChannel 44](#_Toc364945289)

[4.23 paymentMeanBrand/Type 44](#_Toc364945290)

[4.24 paymentMeanData.sdd 44](#_Toc364945291)

[4.24.1 paymentMeanData.sdd.MandateAuthentMethod 44](#_Toc364945292)

[4.24.2 paymentMeanData.sdd.mandateUsage 45](#_Toc364945293)

[4.25 paymentMeanData.paypal 45](#_Toc364945294)

[4.25.1 paymentMeanData.paypal.addrOverride 45](#_Toc364945295)

[4.25.2 paymentMeanData.paypal.dupFlag 45](#_Toc364945296)

[4.25.3 paymentMeanData.paypal.dupFlag 45](#_Toc364945297)

[4.25.4 paymentMeanData.paypal.dupType 45](#_Toc364945298)

[4.25.5 paymentMeanData.paypal.landingPage 46](#_Toc364945299)

[4.25.6 paymentMeanData.paypal.mobile 46](#_Toc364945300)

[4.26 paymentPattern 46](#_Toc364945301)

[4.27 paypageData.bypassReceiptPage 46](#_Toc364945302)

[4.28 responseCode 46](#_Toc364945303)

[4.29 scoreColor 47](#_Toc364945304)

[4.30 transactionServiceType 47](#_Toc364945305)

[4.31 transactionActors 48](#_Toc364945306)

Version history

|  |  |  |
| --- | --- | --- |
| Date | Version | Description |
| 08/27/2013 | 1.0 | Initial version |

# Preface

## Glossary

**3-D Secure**: Three-party authentication programme (Visa and MasterCard) (issuer/network/acquirer) for Internet users who use a password to log in online during the payment stage. Merchants who are members of this programme via their bank receive protection from some outstanding payments.

**Buyer**: The buyer is an Internet user who connects to the Merchant's website and pays for a given good or service.

**Acquirer**: The financial establishment (or its agent) who receives financial information pertaining to a transaction from the acceptor (the merchant, its payment service provider) and enters this information into an exchange system.

**Capture**: Please see *collection.*

**Secret key**: Unique value which makes it possible to ensure the confidentiality and integrity of payment via the Internet.

**Merchant**: Individual person or legal entity who has an online shop. Sips merchants are registered with Atos Worldline and can use the secure online payment service.

**Card security code, CVV2, CVC2 or CBN2** (Visual card security code): 3-digit key located on the signature strip on the back of VISA, MASTERCARD and national CB cards. This adds an additional level of security for remote sales. On American Express cards, the card security code is a 4-digit number (4DBC).

**Authorisation request**: Verification of the validity of the cardholder's card with financial institutions. In addition to verifying the card number, this request involves verifying that the card really is a valid payment method, that it has not been stopped and that the amount presented will be cleared.

**(Card) issuer**: Institution (or its agent) who has issued an ID card to a cardholder.

**Host**: Service company which hosts one or more websites on its own servers connected to the Internet. A host occasionally provides website creation/management services.

**Internet user**: Online Client of the Merchant.

**Operations log**: Log generally sent to the merchant via email on a daily basis and which contains all the operations made by the merchant on the Sips Office Extranet interface or using the Sips Office Connect connector (reimbursement, validation, cancellation operations etc.) since the previous day's log was sent.

**Transaction log**: Log sent to the merchant on a daily basis, generally via email, containing all the transactions made on a given website since the previous day's log was sent.

**Transaction reconciliation log**: Log which may be sent to the merchant on a daily basis. This log makes it possible to reconcile transactions booked by the merchant in their Sips shop against transactions which were in fact processed by their banking establishment's merchant processing centre. This corresponds to what will actually be credited to/debited from their account and alerts the merchant in case of a non-reconciled transaction. This log makes accounting easier for merchants.

**merchantID**: Unique merchant identifier used by Atos Worldline

**Secure Payment**: Transactions booked on the Internet are protected from unauthorised interceptions and also from unauthorised edits and alterations to the original content of messages.

**Preproduction**: Stage during which the merchants use their production certificate which was given to them when they created their Sips shop. Preproduction tests make it possible to validate that the merchant's contract is operational.

**Collection**: Collection operation completed in payment of the transactions, meaning the credit/debit of the merchant's account and the debit/credit of the Internet user's account. The capture of a transaction means that it will be collected and will therefore be sent to the bank's merchant processing centre.

**Networks** (electronic payment): Group of bodies who issue payment methods after having entered into a reciprocal exchange agreement for cardholder (issuer) and merchant (acceptor) movements.

**transactionReference**: Characteristic identifier for each transaction. The merchant can monitor the progress of each transaction using the TREF.

**Sips**: International, multi-channel secure payment solution provided by Atos Worldline.

## Acronyms

|  |  |
| --- | --- |
| Acronym | Meaning |
| **3DS** | 3-D Secure |
| **ACS** | Access Control Server (3-D Secure) |
| **API** | Application Programming Interface |
| **AWL** | Atos Worldline: |
| **BIN** | Bank Identification Number |
| **BO** | Back Office |
| **CB** | Bank Card |
| **CTC** | Merchant Processing Centre |
| **CVC** | Card validation code (MasterCard) |
| **CVV** | Card verification value (Visa) |
| **DCC** | Dynamic Currency Change |
| **ELV** | Elektronisches LastschriftVerfahren |
| **FO** | Front Office |
| **FTP** | File Transfer Protocol |
| **RTG** | Response Time Guarantee |
| **HTTPS** | Hypertext Transfer Protocol Secure |
| **ISO** | International Standard Organisation |
| **OL** | Operations Log |
| **TRL** | Transaction Reconciliation Log |
| **OPRL** | Outstanding Payment Reconciliation Log |
| **TL** | Transaction Log |
| **MOP** | Movement of Outstanding Payments |
| **MO** | Middle Office |
| **MOTO** | Mail Order Telephone Order |
| **MPI** | Merchant Plug In |
| **OBeP** | Online Banking ePayment |
| **PAN** | Personal Account Number |
| **PCI-DSS** | Payment Card Industry – Data Security Standard |
| **PSP** | Payment Service Provider |
| **CMR** | Computerised Management Report |
| **ISDN** | Digital Service Integration Network |
| **AAS** | Acquirer Authorisation Server |
| **IAS** | Issuer Authorisation Server |
| **SEPA** | Single Euro Payments Area |
| **TREF** | TransactionReference |

# Introduction

## About Sips

Since 1996, Atos Worldline, with a wealth of experience in e-commerce and heavy involvement in the field of banking, has been marketing a secure payment solution under the name of Sips e-payment solution, in compliance with French and international interbank regulations.

The solution makes it possible to accept secure payments across all remote selling channels (Internet, mobile, IVR, couponing). This basic functionality is accompanied by advanced tools which can be used to manage transactions (refunding, cancelling, validating, deferring the payment etc.) and to check that funds have been correctly received (credit to the merchant's account and verification of outstanding payments). The many functionalities of the solution make it possible to accept a multitude of local and international payment methods.

## Purpose of the document

The purpose of the present document is to describe the fields used when communicating with the Merchant Webservice Interface.

# Format agreement

|  |  |
| --- | --- |
| Value | Description |
| N | Indicates that numerical values are accepted |
| A | Indicates that alphabetical values are accepted |
| S | Indicates that special characters are accepted |
| numeric | Indicates the maximum size for the field |
| YYYY | Indicates the year |
| YY | Indicates the 2 last figures of the year |
| MM | Indicates the month |
| DD | Indicates the day |
| hh | Indicates the hour |
| mm | Indicates the minutes |
| ss | Indicates seconds |
| ISO8601 | Indicates ISO8601 (ANS25) format: YYYY-MM-DDThh:mm:sszzzzzz |
| email | Indicates that an email address is accepted. Example: name@example.com |
| ipAddress | Indicates that a IP v.4 address is accepted Example: 123.1.34.67 |
| phone | Indicates that a telephone number is accepted. Example: +31 42 123 4567 |
| url | Indicates that a URL is accepted |
| base64Url | Indicates that ANS format with special characters is accepted [\_-=] |
| restrictedString | Indicates that ANS format with special characters [\_@.-+] and empty spaces is accepted |
| list | Indicates that ANS format with special characters [\_@.-+,] and empty spaces is accepted. Values separated by commas |
| extendedString | Indicates that ANS format with special characters [.-,;:\_|?!<>+=\*^/\&~#”’`{}()[]$%@] and empty spaces is accepted |

# Data dictionary

| Field name | Format | Description |
| --- | --- | --- |
| acquirerContractNumber | AN20 | Merchant's acquirer contract number. |
| acquirerResponseCode | AN2 | Response code returned by the acquirer during an authorisation request.  Please see appendix "[acquirerResponseCode](#_acquirerResponseCode)" |
| amount | N12 | Transaction amount. The amount must be transmitted in the smallest unit of currency *For example in euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| authenticationData | Container | Contains the information on the cardholder's authentication. |
| authenticationData.threeD | Container | Contains cardholder's 3-D Secure authentication information. |
| authenticationData.threeD.cavv | ANS28 | Cardholder's authentication verification value communicated in the MPI during 3-D Secure payments. |
| authenticationData.threeD.cavvAlgorithm | N1 | Algorithm indicator used to generate a CAVV communicated in the MPI during 3-D Secure payments.  Please see appendix "[authenticationData.threeD.cavvAlgorithm](#_authenticationData.threeD.cavvAlgor)" |
| authenticationData.threeD.eci | N2 | Electric commerce indicator communicated in the MPI during 3-D Secure payments.  Please see appendix "[authenticationData.threeD.eci](#_authenticationData.threeD.eci)" |
| authenticationData.threeD.securityIndicator | N2 | Transaction's security level.  This indicator is calculated based on the prior result of the 3-D Secure authentication.  Please see appendix "[authenticationData.threeD.securityIndicator](#_authenticationData.threeD.securityI)" |
| authenticationData.threeD.txStatus | A1 | Result of the authentication communicated in the MPI during 3-D Secure payments.  Please see appendix "[authenticationData.threeD.txStatus](#_authenticationData.threeD.txStatus)" |
| authenticationData.threeD.xid | ANS28 | Unique transaction ID (generated by the MPI) presented in all 3-D Secure messages and communicated in the MPI during 3-D Secure payments. |
| authorisationId | ANS32 | Authorisation ID returned by the acquirer if the authorisation request is accepted  During a forcing operation, this field contains the authorisation identifier supplied during the call to the merchant's call centre referral from its bank. |
| automaticResponseStatus | A15 | State of the sending of the automatic response to the merchant's server for a transaction created using the Sips Payment Web interface.  Please see appendix "[automaticResponseStatus](#_automaticResponseStatus)" |
| automaticResponseUrl | ANS512 (url) | URL provided by the merchant and used by the payment server to automatically notify the merchant of the result of the transaction online. |
| billingAddress | Container | Contains the billing address information for the buyer. |
| billingAddress.addressAdditional1 | ANS50 (restrictedString) | Addition 1 to the billing address. |
| billingAddress.addressAdditional2 | ANS50 (restrictedString) | Addition 2 to the billing address. |
| billingAddress.addressAdditional3 | ANS50 (restrictedString) | Addition 3 to the billing address. |
| billingAddress.city | ANS50 (restrictedString) | City of the billing address. |
| billingAddress.company | ANS50 (restrictedString) | Company for the billing address. |
| billingAddress.country | A3 | Country code for the billing address.  Please see appendix "[countryList](#_countryList)" |
| billingAddress.postBox | ANS50 (restrictedString) | Post box for the billing address. |
| billingAddress.state | AS30 (restrictedString) | County/region of the billing address. |
| billingAddress.street | AS50 (restrictedString) | Name of the street of the billing address. |
| billingAddress.streetNumber | AN10 (restrictedString) | Number of the street of the billing address. |
| billingAddress.zipCode | AN10 (restrictedString) | Postal code for the billing address. |
| billingContact | Container | Contains the billing contact's information. |
| billingContact.email | ANS128  (email) | Billing contact's email address. |
| billingContact.firstname | ANS50 (restrictedString) | First name of the billing contact. |
| billingContact.gender | A1 | Gender of the billing contact, male (=M) or female (=F). |
| billingContact.lastname | ANS50 (restrictedString) | Last name of the billing contact. |
| billingContact.mobile | ANS30  (phone) | Mobile telephone number for the billing contact. |
| billingContact.phone | ANS30  (phone) | Telephone number for the billing contact. |
| billingContact.title | A4  (restrictedString) | Title of the billing contact. |
| captureLimitDate | N8  (YYYYMMDD) | Payment collection date for the transaction. |
| captureDay | N2 | Collection time before payment. |
| captureMode | ANS20 | Payment collection method for the transaction.  Please see appendix "[captureMode](#_captureMode)" |
| cardCSCResultCode | AN2 | Response code for the Card Security Value check returned in the authorisation response. |
| cardCSCValue | N4 | Visual card security code on the bank card transmitted in the authorisation request (CSC, Card Security Code, referred to as CVV for Visa, CVC for Mastercard and 4DBC for American Express). |
| cardEffectiveDate | N6  (YYYYMM) | Card's start date. |
| cardExpiryDate | N6  (YYYYMM) | Card's expiry date. *Please see "panExpiryDate"* |
| cardNumber | N19 | Card number. |
| cardScheme | ANS20 | Network name associated with the card.  Please see appendix "[cardScheme](#_cardScheme)" |
| cardSeqNumber | N2 | Card sequence number allocated by the issuer. |
| chargebackAcquirerReference | ANS20 | Acquirer's outstanding payment reference. |
| chargebackAmount | N12 | Outstanding payment amount. |
| chargebackDocumentRequestDate | N8  (YYYYMMDD) | Date of the document request. |
| chargebackDocumentRequestReason | AN1 | Reason for the document request. |
| chargebackReasonCode | N4 | Outstanding payment reason code. |
| chargebackSettlementDate | N8  (YYYYMMDD) | Date the outstanding payment was cleared. |
| chargedBankAccount | AN11 | Merchant account number to which the outstanding payment was charged. |
| chargedBankAdminCounter | AN5 | Code for the Merchant's management branch to which the outstanding payment is charged. |
| chargedBankCode | N5 | Merchant bank code to which the outstanding payment was charged. |
| chargedBankCounter | N5 | Sort code for the Merchant's bank to which the outstanding payment was charged. |
| complementaryCode | N2 | Additional response code from the Sips server returned in the response.  This field is only filled out if you have signed up for additional checks for the Sips e-payment solution.  Please see appendix "[complementaryCode](#_complementaryCode)" |
| complementaryInfo | AN255 | Information on the additional response code from the Sips server sent back in the response.  This field is only filled out if you have signed up for local additional checks for the Sips e-payment solution. |
| ContractType | AN1 | Acquirer contract type. Set for card payments. |
| currencyCode | N3  (ISO4217) | Currency code for the transaction. This code is ISO 4217 compatible.  Please see appendix "[currencyCode](#_currencyCode)" |
| customerAddress | Container | Contains the customer's address information. |
| customerAddress.addressAdditional1 | ANS50 | Addition 1 to the customer's address. |
| customerAddress.addressAdditional2 | ANS50 | Addition 2 to the customer's address. |
| customerAddress.addressAdditional3 | ANS50 | Addition 3 to the customer's address. |
| customerAddress.city | ANS50 | City of the customer's address. |
| customerAddress.company | ANS50 | Name of the company of the customer's address. |
| customerAddress.country | A3 | Country code for the customer's address. |
| customerAddress.postBox | ANS50 | Post box for the customer's address. |
| customerAddress.state | AS30 | County/region of the customer's address. |
| customerAddress.street | AS50 | Name of the street of the customer's address. |
| customerAddress.streetNumber | AN10 | Number of the street of the customer's address. |
| customerAddress.zipCode | AN10 | Postal code for the customer's address. |
| currentAmount | N12 | Current transaction amount.  The current\_amount may differ from the origin\_amount if operations were completed on the transaction (cancellation, validation etc.)  The amount is transmitted in the smallest unit of currency:  *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| customerContact | Container | Contains the customer's information. |
| customerContact.email | ANS128  (email) | Customer's email address. |
| customerContact.firstname | ANS50 (restrictedString) | Customer's first name. |
| customerContact.gender | A1 | Gender of the customer, male (=M) or female (=F). |
| customerContact.lastname | ANS50 (restrictedString) | Customer's last name. |
| customerContact.mobile | ANS30  (phone) | Customer's mobile telephone number. |
| customerContact.phone | ANS30  (phone) | Customer's telephone number. |
| customerContact.title | A4 (restrictedString) | Customer's title. |
| customerData | Container | Contains the customer's information. |
| customerData.birthCity | ANS50 (restrictedString) | Customer's birthplace. |
| customerData.birthCountry | N3 | Customer's country of birth. |
| customerData.birthDate | N8  (YYYYMMDD) | Customer's date of birth. |
| customerData.birthZipCode | AN10 (restrictedString) | Postal code for the customer's birth. |
| customerData.nationalityCountry | A3 | Customer's country of nationality. |
| customerData.newPwd | ANS10 (restrictedString) | Customer's new password. |
| customerData.pwd | ANS10 (restrictedString) | Customer's password. |
| customerId | ANS19 (restrictedString) | Customer identifier |
| customerIpAddress | NS19  (ipAddress) | Buyer's IP address. |
| customerLanguage | A2 | Language of the user, used on the payment pages.  Please see appendix "[customerLanguage](#_customerLanguage)" |
| deliveryAddress | Container | Contains the delivery address information. |
| deliveryAddress.addressAdditional1 | ANS50 | Addition 1 to the delivery address. |
| deliveryAddress.addressAdditional2 | ANS50 | Addition 2 to the delivery address. |
| deliveryAddress.addressAdditional3 | ANS50 | Addition 3 to the delivery address. |
| deliveryAddress.city | ANS50 | City of the delivery address. |
| deliveryAddress.company | ANS50 | Name of the company in the delivery address. |
| deliveryAddress.country | A3 | Country code for the delivery address. |
| deliveryAddress.postBox | ANS50 | Post box for the delivery address. |
| deliveryAddress.state | AS30 | County/region of the delivery address. |
| deliveryAddress.street | AS50 | Name of the street of the delivery address. |
| deliveryAddress.streetNumber | AN10 | Number of the street of the delivery address. |
| deliveryAddress.zipCode | AN10 | Postal code for the delivery address. |
| deliveryContact | Container | Contains the delivery contact's information. |
| deliveryContact.email | ANS128  (email) | Delivery contact's email address. |
| deliveryContact.firstname | ANS50 | First name of the delivery contact. |
| deliveryContact.gender | A1 | Gender of the delivery contact, male (=M) or female (=F). |
| deliveryContact.lastname | ANS50 | Last name of the delivery contact. |
| deliveryContact.mobile | ANS30  (phone) | Mobile telephone number for the delivery contact. |
| deliveryContact.phone | ANS30  (phone) | Telephone number for the delivery contact. |
| deliveryContact.title | A4 | Title of the delivery contact. |
| exchangeAmount | N12 | Counter value amount. |
| exchangeCurrencyCode | N3  (ISO 4217) | Counter value currency code. This code is ISO 4217 compatible.  Please see appendix "[currencyCode](#_currencyCode)" |
| exchangeUnpaidAmount | N12 | Countervalue outstanding payment amount. |
| expirationDate | ANS20 (ISO8601) | Expiry date of the payment request initiated by the merchant. |
| feeAmount | N12 | Amount of the payment acquisition commission.  The amount is transmitted in the smallest unit of currency:  *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| feeCurrency | N3  (ISO4217) | Currency code for the commission. This code is ISO 4217 compatible.  Please see appendix "[currencyCode](#_currencyCode)" |
| fraudData | Container | Contains the transaction's fraud check parameters, allowing the merchant to dynamically customise the checks registered in the merchant configuration. |
| fraudData.allowedCardArea | AN10 | Identifier on a predefined list of card countries accepted by the merchant. This option is used as part of regulation (for example, online games).  Please see appendix "[areaList](#_areaList)" |
| fraudData.allowedCardCountryList | ANS128 (list) | List of card country codes authorised to make a payment. ISO 3166 list of country codes.  Please see appendix "[countryList](#_countryList)" |
| fraudData.allowedIpArea | ANS128 (list) | Name of a pre-established list of buyer IP country codes authorised to make a payment.  Please see appendix "[areaList](#_areaList)" |
| fraudData.allowedIpCountryList | ANS128 (list) | List of buyer IP country codes authorised to make a payment ISO 3166 list of country codes.  Please see appendix "[countryList](#_countryList)" |
| fraudData.bypass3DS | ANS128 (list) | Indicator used by the merchant to bypass the 3-D Secure procedure.  Please see appendix "[fraudData.bypass3DS](#_fraudData.bypass3DS)" |
| fraudData.bypassCtrlList | ANS256 (list) | List of fraud checks provided by the merchant to bypass current transaction checks.  Please see appendix "[fraudData.bypassCtrlList](#_A.10__fraudData.bypassCtrlList)" |
| fraudData.bypassInfoList | ANS256 (list) | List of information provided by the merchant to bypass fraud information.  Please see appendix "[fraudData.bypassInfoList](#_fraudData.bypassInfoList)" |
| fraudData.deniedCardArea | AN10 | Identifier of a predefined list of card countries refused by the merchant.  Please see appendix "[areaList](#_areaList)" |
| fraudData.deniedCardCountryList | ANS128 (list) | List of country codes for cards not authorised to make a payment ISO 3166 list of country codes.  Please see appendix "[countryList](#_countryList)" |
| fraudData.deniedIpArea | ANS128 (list) | Name of a pre-established list of buyer IP country codes not authorised to make a payment.  Please see appendix "[areaList](#_areaList)" |
| fraudData.deniedIpCountryList | ANS128 (list) | List of buyer IP country codes not authorised to make a payment ISO 3166 list of country codes.  Please see appendix "[countryList](#_countryList)" |
| fromTransactionReference | AN35 | Reference for the original transaction during a duplication operation. |
| grossAmount | N12 | Gross amount for the transaction paid.  The amount is transmitted in the smallest unit of currency. *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| guaranteeIndicator | A1 | Transaction's guarantee level.  Please see appendix "[guaranteeIndicator](#_A.10)" |
| hashAlgorithm1 | ANS20 | Cryptographic function used to calculate the hashPan.  Please see appendix "[hashAlgorithm](#_hashAlgorithm)" |
| hashAlgorithm2 | ANS20 | *Please see "hashAlgorithm1"* |
| hashPan1 | AN128 | Cryptographic PAN identifier, calculated by Sips.  hashPan = hashFunction (PAN,hashSalt). |
| hashPan2 | AN128 | *Please see "hashPan1".* |
| hashSalt1 | AN32 (restrictedString) | Random value (called a seed) provided by the merchant to calculate the hashPan. |
| hashSalt2 | AN32 (restrictedString) | *Please see "hashSalt1".* |
| holderAddress | Container | Contains the cardholder's address information. |
| holderAddress.addressAdditional1 | ANS50 | Addition 1 to the cardholder's address. |
| holderAddress.addressAdditional2 | ANS50 | Addition 2 to the cardholder's address. |
| holderAddress.addressAdditional3 | ANS50 | Addition 3 to the cardholder's address. |
| holderAddress.city | ANS50 | City of the cardholder's address. |
| holderAddress.company | ANS50 | Name of the company of the cardholder's address. |
| holderAddress.country | A3 | Country code for the cardholder's address. |
| holderAddress.postBox | ANS50 | Post box for the cardholder's address. |
| holderAddress.state | AS30 | County/region of the cardholder's address. |
| holderAddress.street | AS50 | Name of the street of the cardholder's address. |
| holderAddress.streetNumber | AN10 | Number of the street of the cardholder's address. |
| holderAddress.zipCode | AN10 | Postal code for the cardholder's address. |
| holderAuthentRelegationCode | A1 | Code indicating, for 3-D Secure authentication, if the security level transmitted in the ECI code was compromised by the issuer.  Please see appendix "[holderAuthentRelegationCode](#_holderAuthentRelegationCode)" |
| holderAuthentStatus | ANS20 | Result of the authentication process  Please see appendix "[holderAuthentStatus](#_holderAuthentStatus)" |
| holderContact | Container | Contains the cardholder's information. |
| holderContact.email | ANS128  (email) | Cardholder's email address. |
| holderContact.firstname | ANS50 | Cardholder's first name. |
| holderContact.gender | A1 | Gender of the cardholder, male (=M) or female (=F). |
| holderContact.lastname | ANS50 | Cardholder's last name. |
| holderContact.mobile | ANS30  (phone) | Cardholder's mobile telephone number. |
| holderContact.phone | ANS30  (phone) | Cardholder's telephone number. |
| holderContact.title | A4 | Cardholder's title. |
| instalmentData | Container | Contains the information making it possible to make a payment in instalments. |
| instalmentData.number | N2 (2 -> 50) | Number of occurrences for payment in instalments. |
| instalmentData.datesList | YYYYMMDD (list) | List of the dates of occurrences for payment in instalments. |
| instalmentData.transactionReferencesList | AN35 (list) | List of references for the transaction of occurrences for payment in instalments. |
| instalmentData.amountsList | N12 (list) | List of amounts for the occurrences for payment in instalments.  The amount is transmitted in the smallest unit of currency:  *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| interfaceVersion | ANS20 (restrictedString) | Version value and number of the interface used.  Please see appendix "[interfaceVersion](#_interfaceVersion)" |
| invoiceReference | N20 | Bill identifier. |
| keyVersion | N10 | Version of the merchant's secret key used to calculate the imprint of the message (key stored by the merchant to verify the imprint of the automatic and manual notifications). |
| lastOperationDateTime | ANS25 (ISO8601) | Date and time of the last operation applied to the transaction diagnosed. |
| lastOperationName | ANS30 | Name of the last operation completed on a transaction.  Please see appendix "[operationName](#_operationName)" |
| maskedPan | NS11 | Masked PAN number. |
| merchantId | ANS50 | Identifier of the shop, this value is provided to the merchant by Sips during the shop registration. |
| merchantLegalId | N14 | Legal identifier of the merchant (local codification specific to each country). |
| merchantSessionId | ANS256 (restrictedString) | Merchant's session number. Allows consolidation between requests and responses. |
| merchantToken | ANS128 | PAN token in the format requested by the merchant. |
| merchantTokenOrigin | ANS20 | Source of the calculation for the merchant's tokenPAN  Please see appendix "[merchantTokenOrigin](#_merchantTokenOrigin)" |
| merchantTransactionDateTime | ANS25 (ISO8601) | Date and time of the transaction, set by the merchant at the merchant's local time (in the merchant's time zone) |
| merchantWalletId | AN21 (restrictedString) | Customer's Wallet identifier. |
| netAmount | N12 | Net amount (amount credited to the merchant's account).  The amount is transmitted in the smallest unit of currency. *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| newAmount | N12 | Amount of the transaction updated after checkout operation For example, if after having completed an accepted authorisation request for EUR 10.00, a merchant cancels EUR 3.00, the newAmount field at the end of the cancellation shall be EUR 7.00. The amount is transmitted in the smallest unit of currency. *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| newStatus | ANS20 | Status of the transaction updated after a checkout operation. The status of a transaction is described by different keywords which change during the operations it undergoes.  Please see appendix "[status](#_status)" |
| normalReturnUrl | ANS512 (url) | Merchant's URL for the return to the shop in case of acceptance of the transaction. |
| operationAmount | N12 | Amount of the operation (refund, cancellation, validation etc).  The amount must be transmitted in the smallest unit of currency. *For example in euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| operationDateTime | ANS25 (ISO8601) | Date and time at which the operation was completed in Sips. |
| operationName | ANS30 | Name of the operation completed on a transaction.  Please see appendix "[operationName](#_operationName)" |
| operationOrigin | ANS20 (restrictedString) | Origin of an operation (for example: name of the programme), set by the merchant.  This field will be present in the operations log sent to the merchant on a daily basis. |
| operationSequence | N4 | Sequence number of the operation in the transaction's life cycle. |
| operationType | N8 | Type of operation (DEBIT or CREDIT).  Please see the description in the appendix "[transactionServiceType](#_transactionServiceType)" |
| orderChannel | ANS20 | Order channel used (Internet, Telephone, Post, Fax etc), Internet is the default value. Use of this field should be reconciled with the conditions defined in the acquirer contract.  Please see appendix "[orderChannel](#_orderChannel)" |
| orderId | AN32 | Order number associated with the payment transaction. |
| originAmount | N12 | Amount of the transaction during its creation.  The amount is transmitted in the smallest unit of currency. *Example for euros: an amount of EUR 10.50 must be transmitted in the form 1050.* |
| panExpiryDate | N6  (YYYYMM) | Expiry date of a Personal Account Number. For example, for a card, it contains the expiry date for an authorisation request operation. If the payment method does not have a validity date, this field should be empty. |
| paymentMeanBrand | ANS20 | Name of the payment method used by the buyer.  Please see appendix "[paymentMeanBrand/Type](#_A.16)" |
| paymentMeanBrandList | ANS128 (list) | List of payment methods accepted for a transaction. If this field is not filled out, the Sips server recovers the list of payment methods available for the configuration of the shop.  Please see appendix "[paymentMeanBrand/Type](#_A.16)" |
| paymentMeanData | Container | Contains specific information regarding the payment method used by the buyer. |
| paymentMeanData.buyster | Container | Information specific to the Buyster payment method.  (it remains to be confirmed which information should be put in this field) |
| paymentMeanData.sdd | Container | Contains information specific to the SDD payment method. |
| paymentMeanData.sdd.MandateAuthentMethod | ANS20 | Type of signature used for the creation of the mandate.  Please see appendix "[paymentMeanData.sdd.MandateAuthentMethod](#_paymentMeanData.sdd.MandateAuthentM)" |
| paymentMeanData.sdd.mandateUsage | ANS20 | Type of mandate used.  Please see appendix " [paymentMeanData.sdd.mandateUsage](#_paymentMeanData.sdd.mandateUsage)" |
| paymentMeanData.paypal | Container | Contains information specific to the PayPal payment method. |
| paymentMeanData.paypal.addrOverride | ANS20 | Indicator allowing the merchant to display the delivery address on PayPal pages, if the address to be displayed is the address communicated by the merchant or the address stored by PayPal, this indicator determines if the address stored by PayPal can be amended by the customer.  Please see appendix "[paymentMeanData.paypal.addrOverride](#_paymentMeanData.paypal.addrOverride)" |
| paymentMeanData.paypal.dupFlag | AN1 | Indicator allowing the PayPal transaction to be duplicated.  "False" default value (cannot be duplicated).  Please see appendix "[paymentMeanData.paypal.dupFlag](#_paymentMeanData.paypal.dupFlag)" |
| paymentMeanData.paypal.dupDesc | ANS127 | Description of the reason for PayPal duplication, possible when paymentMeanData.paypal.dupFlag is set to "true". Shown to the Internet user on their PayPal account in the transaction details. |
| paymentMeanData.paypal.dupCustom | ANS127 | Field left free for the merchant, taken into account when paymentMeanData.paypal.dupFlag is set to "true". |
| paymentMeanData.paypal.dupType | ANS30 | Duplication type. This optional information is taken into account when paypalData.dupFlag is "true".  Please see appendix "[paymentMeanData.paypal.dupType](#_paymentMeanData.paypal.dupType)" |
| paymentMeanData.paypal.invoiceId | AN127 | Order number, same as the orderId but with PayPal, it must be unique. Mandatory in order to use PayPal. |
| paymentMeanData.paypal.landingPage | AN1 | Indicator allowing the merchant to mask the subscription form on PayPal pages.  Please see appendix "[paymentMeanData.paypal.landingPage](#_paymentMeanData.paypal.landingPage)" |
| paymentMeanData.paypal.mobile | AN1 | Indicator allowing the merchant to specify if the terminal used by the Internet user is a mobile.  Please see appendix "[paymentMeanData.paypal.mobile](#_paymentMeanData.paypal.mobile)" |
| paymentMeanId | N6 | Identifier for the payment method in the customer's Wallet. |
| paymentMeanSequence | N6 | Priority of the payment method within the buyer's Wallet. |
| paymentMeanType | ANS20 | Payment method type (card, transfer, withdrawal, etc).  Please see appendix "[paymentMeanBrand/Type](#_paymentMeanBrand/Type)" |
| paymentPattern | ANS20 (restrictedString) | Type of payment (per operation, 1st recurring payment etc).  Please see appendix "[paymentPattern](#_paymentPattern)" |
| paymentStatus | ANS20 | Status of the transaction reconciliation with the processing of the payment collection acquisition. |
| paypageData | Container | Contains the parameters for the payment pages, allowing the merchant to dynamically customise the options on payment pages. |
| paypageData.bypassReceiptPage | AN1 | Indicator making it possible to mask the ticket page during payment (the Internet user is immediately redirected to the shop's response url).  Please see appendix "[paypageData.bypassReceiptPage](#_paypageData.bypassReceiptPage)" |
| pbaRemittanceNumber | AN12 | PBA collection number. |
| posNb | N7 | Point of sale number. |
| remittanceDateTime | ANS19  (YYYY-MM-DD hh:mm:ss) | *Please see "settlementDateTime"* |
| remittanceNumber | AN12 | Collection number defined by Sips. |
| responseCode | N2 | Sips server response code.  Please see appendix "[responseCode](#_responseCode)" |
| responseKeyVersion | N10 | Identifier of the merchant's secret key used to calculate the imprint of the response. |
| returnContext | ANS256 (extendedString) | Context of a buyer's order.  All information transmitted in this field by the merchant during the payment request is sent back in the response without amendment. |
| scoreColor | AS30 | Colour associated with the score. Used to give a comparison between the fraud checks completed on a payment request.  Please see appendix "[scoreColor](#_scoreColor)" |
| scoreInfo | ANS512 | Return of the check completed after the score is calculated, or ERROR if an error is generated during the check sequence. |
| scoreProfile | ANS50 | Name associated with the profile used to calculate the transaction score. |
| scoreThreshold | NS10 | Threshold associated with the profile used to calculate the transaction score. |
| scoreValue | NS10 | Relative decimal number representing the transaction score. |
| settlementDatetime | ANS19  (YYYY-MM-DD hh:mm:ss) | Date and time of payment collection. |
| sourceAmount | N12 | Gross transaction amount. |
| statementReference | ANS100 (extendedString) | Reference provided by the merchant which is sent in the payment collection flow. This reference appears on the account statements (implemented by the acquirer) |
| templateName | ANS32  (restrictedString) | Name of the file corresponding to the style sheet applied on the payment pages. |
| tokenPan | ANS35 (restricted String) | Unique identifier for a PAN returned by the Sips server via the AWL token server in a merchant-oriented format (the format is a parameter in the merchant's configuration). |
| transactionActors | A4 | Indicates the players in the transaction.  Please see appendix "[transactionActors](#_transactionActors)" |
| transactionDateTime | ANS25 (ISO8601) | Date and time the transaction was processed on the Sips server. (expressed in the Sips server time zone) |
| transactionOrigin | ANS20 (restrictedString) | Origin of a transaction (for example: name of the programme), set by the merchant. |
| transactionReference | AN35 | Unique identifier for the payment transaction. |
| transactionServiceType | ANS20 | Direction of the transaction seen from the customer buyer's account.  Please see appendix "[transactionServiceType](#_transactionServiceType)" |
| transactionStatus | ANS20 | Status of the transaction during the diagnostic.  The status of a transaction is described by different keywords developed during the operations that it undergoes.  Please see appendix "[status](#_status)" |
| valueDate | N8  (YYYYMMDD) | Payment value date |

# Appendices

## acquirerResponseCode

| Value | Description |
| --- | --- |
| 00 | Transaction approved or processed successfully |
| 02 | Contact card issuer |
| 03 | Invalid acceptor |
| 04 | Retain the card |
| 05 | Do not honour |
| 07 | Retain the card, special circumstances |
| 08 | Approve after obtaining identification |
| 12 | Invalid transaction |
| 13 | Invalid amount |
| 14 | Invalid cardholder number |
| 15 | Card issuer unknown |
| 30 | Format error |
| 31 | Identifier of acquirer entity unknown |
| 33 | Card is past expiry date |
| 34 | Suspicion of fraud |
| 41 | Card lost |
| 43 | Card stolen |
| 51 | Insufficient funds or credit limit exceeded |
| 54 | Card is past expiry date |
| 56 | Card missing from file |
| 57 | Transaction not permitted for this cardholder |
| 58 | Transaction prohibited at terminal |
| 59 | Suspicion of fraud |
| 60 | The acceptor of the card must contact the Acquirer |
| 61 | Exceeds the withdrawal amount limit |
| 63 | Security rules not observed |
| 68 | Response not received or received too late |
| 90 | Momentary system crash |
| 91 | Card issuer inaccessible |
| 96 | System functioning incorrectly |
| 97 | Expiry of the global monitoring delay |
| 98 | Server unavailable network routing further request |
| 99 | Incident field initiator |

## areaList

| Value | Description |
| --- | --- |
| EEA | Member States in the European Economic Area  AUT, BEL, BGR, CYP, CZE, DEU, DNK, ESP, EST, FIN, FRA, GBR, GRC, HUN, IRL, ISL, ITA, LIE, LTU, LUX, LVA, MLT, NLD, NOR, POL, PRT, ROM, SVK, SVN, SWE |
| EFTA | Member States in the free trade zone (European Free Trade Association)  ISL, LIE, NOR, CHE |
| FRJEL | List of countries authorised for French online games  AUT, BEL, BGR, CYP, CZE, DEU, DNK, ESP, EST, FIN, FRA, GBR, GRC, HUN, IRL, ISL, ITA, LTU, LUX, LVA, MLT, NLD, NOR, POL, PRT, ROM, SVK, SVN, SWE |
| EU27 | The 27 Member States in the European Union  DEU, AUT, BEL, BGR, CYP, CZE, DNK, ESP, EST, FIN, FRA, GBR, GRC, HUN, IRL, ITA, LTU, LUX, LVA, MLT, NLD, POL, PRT, ROM, SVK, SVN, SWE |
| ZEURO | Member States in the Eurozone (EMU: Economic and Monetary Union)  AUT, BEL, CYP, DEU, ESP, FIN, FRA, GRC, IRL, ITA, LUX, MLT, NLD, PRT, SVK, SVN |

## authenticationData.threeD

### authenticationData.threeD.cavvAlgorithm

| Value | Description |
| --- | --- |
| 0 | HMAC |
| 1 | CVV |
| 2 | CVV ATN |
| 3 | Mastercard SPA |

### authenticationData.threeD.eci

| Value | Description |
| --- | --- |
| 9 | SSL |
| 20 | FULL\_3D |
| 21 | MERCH\_3D |
| 30 | FULL\_UCAF |

### authenticationData.threeD.securityIndicator

| Value | Description |
| --- | --- |
| 21 | Cardholder not enrolled (response obtained in the Directory Server) |
| 22 | Cardholder not enrolled (response obtained within the cache of the Merchant Plug-in) |
| 25 | Cardholder fully authenticated on the ACS (full 3-D Secure) |
| 26 | Cardholder partially authenticated on the ACS (Attempt 3-D Secure) |
| 31 | Failure of authentication of cardholder |
| 32 | Invalid signature in the response from the ACS (PARes with invalid signature) |
| 33 | Response from the ACS invalid (PARes invalid) |
| 41 | The MPI session has expired, the Internet user did not authenticate themselves within the time limit |
| 81 | Internal MPI error during the first call to MPI |
| 82 | Internal MPI error during the second call to MPI |
| 84 | Response from Directory Server invalid (VERes invalid) |
| 85 | MPI could not be contacted during the first call to MPI |
| 86 | MPI could not be contacted during the second call to MPI |
| 88 | Network problem |
| 92 | Internal Directory Server error |
| 93 | Internal ACS error |

### authenticationData.threeD.txStatus

| Value | Description |
| --- | --- |
| Y | Authenticated |
| U | Error |
| A | Attempt |
| N | Failed |

## automaticResponseStatus

| Value | Description |
| --- | --- |
| SENT | Automatic response is sent to the merchant's server |
| FAILED | Sending of the automatic response has failed |
| UNDEFINED | No automatic response transmission has been defined (the URL of the automatic response has not been filled out) |

## captureMode

| Value | Description |
| --- | --- |
| AUTHOR\_CAPTURE | Cancellation mode: automatic authorisation and payment collection (default value). |
| VALIDATION | Validation mode: payment collection following validation of the merchant |
| IMMEDIATE | Immediate mode: online payment collection at the time of the authorisation request. (depends on the payment method) |

## cardScheme

| Value | Description |
| --- | --- |
| VISA | Visa network  *(Example of cards on the Visa network: Visa, Vpay, Visa Electron)* |
| MASTERCARD | Mastercard network  *(Example of cards on the Mastercard network: Mastercard, Maestro)* |
| AMEX | American Express Network |
| BCMC | BCMC Network |
| CB | Bank Card Network |

## complementaryCode

| Value | Control | Description |
| --- | --- | --- |
| Empty |  | No control performed |
| 00 | All | All controls that you adhered to have been successfully completed |
| 02 | Card balance | The card used has exceeded the authorised balance limit |
| 03 | Card grey list | The card used is on the merchant's "grey list" |
| 04 | Postal code grey list | The postal code used is on the merchant's "grey list" |
| 05 | Unknown BIN | The BIN of the card used belongs to a range which is not referenced on Sip's platform BIN table |
| 06 | Foreign BIN | The card number is not in the same nationality range as the merchant |
| 07 | e-Carte Bleue | e-Carte Bleue detected |
| 08 | BIN range | The BIN is on the merchant's "grey list" |
| 09 | Country IP | Unknown country IP |
| 10 | Country IP | Prohibited country IP |
| 11 | Oppotota | Card in Oppotota |
| 12 | Country card/IP combination prohibited | Country card/IP combination prohibited |
| 13 | Unknown country IP or card | Unknown country IP or card |
| 14 | Systematic authorisation card | Systematic authorisation card |
| 15 | Unknown BIN | Unknown BIN (on control of systematic authorisation card) |
| 16 | IP in progress | IP in progress exceeded |
| 20 | Customer in progress | CustomerID in progress exceeded |
| 21 | customer threshold per card | Maximum number of CustomerIDs per card exceeded |
| 22 | card threshold per customer | Maximum number of cards per customerId exceeded |
| 99 | All | the Sips server encountered a problem during the processing of one of the additional local checks |
| Empty |  | No control performed |
| 00 | All | All controls that you adhered to have been successfully completed |

## currencyCode

| Value | Description |
| --- | --- |
| 978 | Euro |
| 840 | US Dollar |
| 756 | Swiss Franc |
| 826 | Pound Sterling |
| 124 | Canadian Dollar |
| 392 | Japanese Yen |
| 484 | Mexican Peso |
| 949 | New Turkish Lira |
| 036 | Australian Dollar |
| 554 | New Zealand Dollar |
| 578 | Norwegian Krone |
| 986 | Brazilian Real |
| 032 | Argentinian Peso |
| 116 | Cambodian Riel |
| 901 | New Taiwan dollar |
| 752 | Swedish Krona |
| 208 | Danish Krone |
| 410 | South Korean Won |
| 702 | Singapore Dollar |
| 953 | Polynesian Franc |
| 952 | CFA Franc |

## customerLanguage

| Value | Description |
| --- | --- |
| en | English |
| fr | French |
| de | German |
| it | Italian |
| es | Spanish |
| cy | Gallic |
| nl | Flemish |

## countryList

| Value | Description |
| --- | --- |
| ABW | ARUBA |
| AFG | AFGHANISTAN |
| AGO | ANGOLA |
| AIA | ANGUILLA |
| ALA | ÅLAND ISLANDS |
| ALB | ALBANIA |
| AND | ANDORRA |
| ARE | UNITED ARAB EMIRATES |
| ARG | ARGENTINA |
| ARM | ARMENIA |
| ASM | AMERICAN SAMOA |
| ATA | ANTARCTICA |
| ATF | FRENCH SOUTHERN LANDS |
| ATG | ANTIGUA-AND-BARBUDA |
| AUS | AUSTRALIA |
| AUT | AUSTRIA |
| AZE | AZERBAIJAN |
| BDI | BURUNDI |
| BEL | BELGIUM |
| BEN | BENIN |
| BES | BONAIRE, SAINT-EUSTATIUS AND SABA |
| BFA | BURKINA FASO |
| BGD | BANGLADESH |
| BGR | BULGARIA |
| BHR | BAHRAIN |
| BHS | BAHAMAS |
| BIH | BOSNIA-AND-HERZEGOVINA |
| BLM | SAINT-KITTS-AND-NEVIS |
| BLR | BELARUS |
| BLZ | BELIZE |
| BMU | BERMUDA |
| BOL | BOLIVIA, MULTINATIONAL STATE OF |
| BRA | BRAZIL |
| BRB | BARBADOS |
| BRN | BRUNEI DARUSSALAM |
| BTN | BHUTAN |
| BVT | BOUVET, ISLAND |
| BWA | BOTSWANA |
| CAF | CENTRAL AFRICAN REPUBLIC |
| CAN | CANADA |
| CCK | COCOS (KEELING), ISLANDS |
| CHE | SWITZERLAND |
| CHL | CHILE |
| CHN | CHINA |
| CIV | IVORY COAST |
| CMR | CAMEROON |
| COD | CONGO, DEMOCRATIC REPUBLIC OF |
| COG | CONGO |
| COK | COOK ISLANDS |
| COL | COLOMBIA |
| COM | COMOROS |
| CPV | CAPE-VERDE |
| CRI | COSTA RICA |
| CUB | CUBA |
| CUW | CURAÇAO |
| CXR | CHRISTMAS ISLAND |
| CYM | CAYMAN ISLANDS |
| CYP | CYPRUS |
| CZE | CZECH REPUBLIC |
| DEU | GERMANY |
| DJI | DJIBOUTI |
| DMA | DOMINICA |
| DNK | DENMARK |
| DOM | DOMINICAN REPUBLIC |
| DZA | ALGERIA |
| ECU | ECUADOR |
| EGY | EGYPT |
| ERI | ERITREA |
| ESH | WESTERN SAHARA |
| ESP | SPAIN |
| EST | ESTONIA |
| ETH | ETHIOPIA |
| FIN | FINLAND |
| FJI | FIJI |
| FLK | FALKLAND ISLANDS (MALVINAS) |
| FRA | FRANCE |
| FRO | FAROE ISLANDS |
| FSM | MICRONESIA, FEDERATED STATES OF |
| GAB | GABON |
| GBR | UNITED KINGDOM |
| GEO | GEORGIA |
| GGY | GUERNSEY |
| GHA | GHANA |
| GIB | GIBRALTAR |
| GIN | GUINEA |
| GLP | GUADELOUPE |
| GMB | GAMBIA |
| GNB | GUINEA-BISSAU |
| GNQ | EQUATORIAL GUINEA |
| GRC | GREECE |
| GRD | GRENADA |
| GRL | GREENLAND |
| GTM | GUATEMALA |
| GUF | FRENCH GUIANA |
| GUM | GUAM |
| GUY | GUYANA |
| HKG | HONG KONG |
| HMD | HEARD-AND-MCDONALD ISLANDS |
| HND | HONDURAS |
| HRV | CROATIA |
| HTI | HAITI |
| HUN | HUNGARY |
| IDN | INDONESIA |
| IMN | ISLE OF MAN |
| IND | INDIA |
| IOT | BRITISH INDIAN OCEAN TERRITORY |
| IRL | IRELAND |
| IRN | IRAN, ISLAMIC REPUBLIC OF |
| IRQ | IRAQ |
| ISL | ICELAND |
| ISR | ISRAEL |
| ITA | ITALY |
| JAM | JAMAICA |
| JEY | JERSEY |
| JOR | JORDAN |
| JPN | JAPAN |
| KAZ | KAZAKHSTAN |
| KEN | KENYA |
| KGZ | KYRGYZSTAN |
| KHM | CAMBODIA |
| KIR | KIRIBATI |
| KNA | SAINT BARTS |
| KOR | KOREA, REPUBLIC OF |
| KWT | KUWAIT |
| LAO | LAOS, PEOPLE'S DEMOCRATIC REPUBLIC |
| LBN | LEBANON |
| LBR | LIBERIA |
| LBY | LIBYA |
| LCA | SAINT HELEN'S, ASCENSION AND TRISTAN DA CUNHA |
| LIE | LIECHTENSTEIN |
| LKA | SRI LANKA |
| LSO | LESOTHO |
| LTU | LITHUANIA |
| LUX | LUXEMBOURG |
| LVA | LITHUANIA |
| MAC | MACAU |
| MAF | SAINT-MARTIN (FRENCH PART) |
| MAR | MOROCCO |
| COM | MONACO |
| MDA | MOLDOVA, REPUBLIC OF |
| MDG | MADAGASCAR |
| MDV | MALDIVES |
| MEX | MEXICO |
| MHL | MARSHALL ISLANDS |
| MKD | MACEDONIA, FORMER YUGOSLAV REPUBLIC OF |
| MLI | MALI |
| MLT | MALTA |
| MMR | MYANMAR |
| MNE | MONTENEGRO |
| MNG | MONGOLIA |
| MNP | NORTHERN MARIANA ISLANDS |
| MOZ | MOZAMBIQUE |
| MRT | MAURITANIA |
| MSR | MONTSERRAT |
| MTQ | MARTINIQUE |
| MUS | MAURITIUS |
| MWI | MALAWI |
| MYS | MALAYSIA |
| MYT | MAYOTTE |
| NAM | NAMIBIA |
| NCL | NEW CALEDONIA |
| NER | NIGER |
| NFK | NORFOLK ISLAND |
| NGA | NIGERIA |
| NIC | NICARAGUA |
| NIU | NIUE |
| NLD | NETHERLANDS |
| NOR | NORWAY |
| NPL | NEPAL |
| NRU | NAURU |
| NZL | NEW ZEALAND |
| OMN | OMAN |
| PAK | PAKISTAN |
| PAN | PANAMA |
| PCN | PITCAIRN |
| PER | PERU |
| PHL | PHILIPPINES |
| PLW | PALAU |
| PNG | PAPUA-NEW-GUINEA |
| POL | POLAND |
| PRI | PUERTO RICO |
| PRK | KOREA, PEOPLE'S DEMOCRATIC REPUBLIC OF |
| PRT | PORTUGAL |
| PRY | PARAGUAY |
| PSE | OCCUPIED PALESTINIAN TERRITORY |
| PYF | FRENCH POLYNESIA |
| QAT | QATAR |
| REU | RÉUNION |
| ROU | ROMANIA |
| RUS | RUSSIAN FEDERATION |
| RWA | RWANDA |
| SAU | SAUDI ARABIA |
| SDN | SUDAN |
| SEN | SENEGAL |
| SGP | SINGAPORE |
| SGS | SOUTH GEORGIA-AND-THE SOUTH SANDWICH ISLANDS |
| SHN | SAN MARINO |
| SJM | SVALBARD AND JAN MAYEN ISLAND |
| SLB | SOLOMON ISLANDS |
| SLE | SIERRA LEONE |
| SLV | EL SALVADOR |
| SMR | SAINT-MARTIN (DUTCH PART) |
| SOM | SOMALIA |
| SPM | HOLY SEE (VATICAN CITY STATE) |
| SRB | SERBIA |
| SSD | SOUTH SUDAN |
| STP | SAO TOMÉ-AND-PRINCIPE |
| SUR | SURINAME |
| SVK | SLOVAKIA |
| SVN | SLOVENIA |
| SWE | SWEDEN |
| SWZ | SWAZILAND |
| SXM | SAINT-PIERRE-AND-MIQUELON |
| SYC | SEYCHELLES |
| SYR | SYRIAN ARAB REPUBLIC |
| TCA | TURKS-AND-CAICOS, ISLANDS |
| TCD | CHAD |
| TGO | TOGO |
| THA | THAILAND |
| TJK | TAJIKISTAN |
| TKL | TOKELAU |
| TKM | TURKMENISTAN |
| TLS | TIMOR-LESTE |
| TON | TONGA |
| TTO | TRINIDAD-AND-TOBAGO |
| TUN | TUNISIA |
| TUR | TURKEY |
| TUV | TUVALU |
| TWN | TAIWAN, PROVINCE OF CHINA |
| TZA | TANZANIA, UNITED REPUBLIC OF |
| UGA | UGANDA |
| UKR | UKRAINE |
| UMI | UNITED STATES MINOR OUTLYING ISLANDS |
| URY | URUGUAY |
| USA | UNITED STATES OF AMERICA |
| UZB | UZBEKISTAN |
| VAT | SAINT-VINCENT-AND-THE GRENADINES |
| VCT | SAINT-LUCIA |
| VEN | VENEZUELA, BOLIVARIAN REPUBLIC OF |
| VGB | BRITISH VIRGIN ISLANDS |
| VIR | UNITED STATES VIRGIN ISLANDS |
| VNM | VIETNAM |
| VUT | VANUATU |
| WLF | WALLIS AND FUTUNA |
| WSM | SAMOA |
| YEM | YEMEN |
| ZAF | SOUTH AFRICA |
| ZMB | ZAMBIA |
| ZWE | ZIMBABWE |

## fraudData.bypass3DS

|  |  |
| --- | --- |
| Value | Description |
| All | Bypass the 3DS procedure (for CB, VISA, MASTERCARD payments) |
| WALLET | Bypass the 3DS procedure during "1 Click" payment (for CB, VISA, MASTERCARD payments) |

## fraudData.bypassCtrlList

| Value | Description |
| --- | --- |
| IpCountry | Bypass the IpCountry check |
| GreyIp | Bypass the GreyIp check |
| VelocityIp | Bypass the VelocityIp check |
| SimilityIpCard | Bypass the SimilityIpCard check |
| ForeignBinCard | Bypass the ForeignBinCard check |
| VelocityCard | Bypass the VelocityCard check |
| GreyCard | Bypass the GreyCard check |
| BlackCard | Bypass the BlackCard check (cards on the OPPOTOTA list) |
| WhiteCard | Bypass the WhiteCard check |
| ECard | Bypass the ECard check |
| SystematicAuthorizationCard | Bypass the SystematicAuthorizationCard check |
| CorporateCard | Bypass the CorporateCard check |
| VelocityCustomerId | Bypass the VelocityCustomerId check |
| MaxCustomerIdPerCard | Bypass the MaxCustomerIdPerCard check |
| MaxCardPerCustomerId | Bypass the MaxCardPerCustomerId check |
| ExpiryDate | Bypass the Expiry Date check |
| All | Bypass all checks |

## fraudData.bypassInfoList

| Value | Description |
| --- | --- |
| IpCountry | Bypass the IpCountry information |
| Card | Bypass the card information |
| All | Bypass all information |

## guaranteeIndicator

| Value | Payment method | Description |
| --- | --- | --- |
| Y | 3-D Secure card | The guarantee is applicable |
| N | 3-D Secure card | The guarantee is not applicable |
| U | 3-D Secure card | The guarantee is not defined |
| Empty | Card | Guarantee indicator not the guarantee has not been calculated |
| Y | BUYSTER | The Buyster guarantee is applicable |
| N | BUYSTER | The Buyster guarantee is not applicable |

## hashAlgorithm

| Value | Description |
| --- | --- |
| SHA-1 | SHA\_1 cryptographic function structure (SHA: secure hash algorithm) |
| SHA-256 | SHA\_256 cryptographic function structure (SHA: secure hash algorithm) |
| SHA-512 | SHA\_512 cryptographic function structure (SHA: secure hash algorithm) |

## holderAuthentRelegationCode

| Value | Description |
| --- | --- |
| true | Depleted security level (loss of 3-D characteristics) |
| false | Security level not depleted |

## holderAuthentStatus

| Value | Description |
| --- | --- |
| 3D\_SUCCESS | The merchant and the cardholder are registered for the 3-D Secure programme and the cardholder authenticated themselves correctly. |
| 3D\_FAILURE | The merchant and the cardholder are registered for the 3-D Secure programme but the buyer has not been successful in identifying themselves (incorrect password). |
| 3D\_ERROR | The merchant is participating in the 3-D Secure programme but the Sips server has encountered a technical problem during the authentication process (during the verification of registration of the card in the 3-D Secure programme or the ID of the cardholder). |
| 3D\_NOTENROLLED | The merchant is participating in the 3-D Secure programme but the cardholder's card is not enrolled. |
| 3D\_ATTEMPT | The merchant and the cardholder are registered in the 3-D Secure programme but the buyer has not had to authenticate themselves (the access control server of the bank which issued the card only implements the generation of proof of attempted authentication). |
| SSL | The buyer is not authenticated for one of the following reasons:   * the card type is not supported by the 3-D Secure programme * the merchant or the cardholder is not registered for the 3-D Secure programme |
| 3D\_ABORT | The buyer abandoned the transaction during the ACS authentication process |
| 3D\_BYPASS | Based on certain criteria defined by the merchant, the 3-D Secure check was not performed |

## interfaceVersion

| Value | Description |
| --- | --- |
| IR\_HP\_x.x | IR\_HP: Sips Payment Direct interface  x.x: connector version used by the merchant |
| WS\_x.x | WS: Sips Payment Select interface  x.x: connector version used by the merchant |
| OR\_WS\_x.x | IR\_HP: Sips Office Connect interface for Office functions  x.x: connector version used by the merchant |
| IR\_ WS\_x.x | IR\_HP: Sips Office Connect interface for payment request functions  x.x: connector version used by the merchant |
| CR\_ WS\_x.x | IR\_HP: Sips Office Connect interface for Cash Management functions  x.x: connector version used by the merchant |
| DR\_ WS\_x.x | IR\_HP: Sips Office Connect interface for Diagnostic functions  x.x: connector version used by the merchant |
| FR\_ WS\_x.x | IR\_HP: Sips Office Connect interface for Fraud functions  x.x: connector version used by the merchant |
| TR\_ WS\_x.x | IR\_HP: Sips Office Connect interface for Token functions  x.x: connector version used by the merchant |

## merchantTokenOrigin

| Value | Description |
| --- | --- |
| INTERNAL | Tokenisation performed by Sips |
| EXTERNAL | Tokenisation performed by an external token |

## operationName

| Value | Actor | Description |
| --- | --- | --- |
| AUTHOR\_BATCH | Sips | Extraction of the transaction in order to perform an automatic authorisation request at the end of the payment collection period |
| AUTHOR | Sips | Automatic authorisation request at the end of the payment collection period |
| REFERRAL | Merchant | Forcing the transaction, manual authorisation |
| CANCEL | Merchant | Partial or total cancellation of the transaction |
| DUPLICATE | Merchant | Duplication of the transaction |
| CREDIT | Merchant | Partial or total refund |
| CREDIT\_HOLDER | Merchant | Cardholder credit |
| CREDIT\_CAPTURE | Sips | Collection of the transaction to be credited |
| CAPTURE | Sips | Online collection of the transaction |
| DEBIT\_CAPTURE | Sips | Collection of the transaction to be debited |
| EXPIRED | Sips | Expiration of the transaction |
| TRANSACTION | Merchant | Creation of a transaction |
| VALIDATE | Merchant | Validation of a transaction |

## status

| Value | Description |
| --- | --- |
| CANCELLED | Transaction completely cancelled |
| CAPTURED | Transaction sent to bank |
| CREDITED | Transaction completely refunded |
| ENDED | Transaction completed |
| EXPIRED | Transaction expired |
| REFERRAL | Transaction pending forcing |
| REFUSED | Transaction refused |
| TO\_AUTHORIZE | Transaction pending authorisation request |
| TO\_CAPTURE | Transaction to be sent to the bank to debit the Internet user |
| TO\_CREDIT | Transaction to be sent to the bank to credit the Internet user |
| TO\_REPLAY | Transaction pending validation with authorisation request |
| TO\_VALIDATE | Transaction pending validation |
| WAITING\_AUTHOR | Transaction extracted by the Sips servers to carry out an automatic authorisation request at the end of the deferred capture time |
| PENDING | Transaction pending response to the authorisation request |

## orderChannel

| Value | Description |
| --- | --- |
| INTERNET | Internet order |
| MOTO | Unspecified VAD order |
| TELEPHONE\_ORDER | Telephone order |
| MAIL\_ORDER | Mail order |
| FAX | Fax order |
| IVR | Verbal order |

## paymentMeanBrand/Type

| Value paymentMeanBrand | Value paymentMeanType |
| --- | --- |
| ACCEPTGIRO | CREDIT\_TRANSFER |
| AMEX | CARD |
| BCMC | CARD |
| BUYSTER | CARD |
| BANK CARD | CARD |
| IDEAL | CREDIT\_TRANSFER |
| INCASSO | DIRECT\_DEBIT |
| MAESTRO | CARD |
| MASTERCARD | CARD |
| MINITIX | OTHER |
| NETBANKING | CREDIT\_TRANSFER |
| PAYPAL | CARD |
| REFUND | OTHER |
| SDD | DIRECT\_DEBIT |
| SOFORT | CREDIT\_TRANSFER |
| VISA | CARD |
| VPAY | CARD |
| VISA ELECTRON | CARD |

## paymentMeanData.sdd

### paymentMeanData.sdd.MandateAuthentMethod

| Value | Description |
| --- | --- |
| 3D\_SECURE | Authentication with the 3-D Secure programme |
| SMS\_OTP | Authentication by SMS |
| MAIL\_OTP | Authentication by email |

### paymentMeanData.sdd.mandateUsage

| Value | Description |
| --- | --- |
| ONE\_OFF | Single use mandate |
| RECURRENT | Recurring use mandate |

## paymentMeanData.paypal

### paymentMeanData.paypal.addrOverride

| Value | Description |
| --- | --- |
| NO\_OVERRIDE | PayPal displays the address the Internet user registered with PayPal |
| OVERRIDE | PayPal displays the address communicated by the merchant, the address the Internet user registered with PayPal is deleted |
| NO\_DISPLAY | (Default value)  No address is displayed, the address sent by the merchant is not taken into account by PayPal |

### paymentMeanData.paypal.dupFlag

| Value | Description |
| --- | --- |
| true | Future duplication of the authorised transaction |
| false | Future duplication of the unauthorised transaction |

### paymentMeanData.paypal.dupFlag

| Value | Description |
| --- | --- |
| true | The subscription page is displayed |
| false | The subscription page is not displayed, PayPal displays the identification page directly |

### paymentMeanData.paypal.dupType

| Value | Description |
| --- | --- |
| ANY | Duplication type: several |
| INSTANTONLY | Duplication type: one |

### paymentMeanData.paypal.landingPage

| Value | Description |
| --- | --- |
| true | The subscription page is displayed |
| false | The subscription page is not displayed, PayPal displays the identification page directly |

### paymentMeanData.paypal.mobile

| Value | Description |
| --- | --- |
| true | The terminal used is a mobile |
| false | The terminal used is not a mobile |

## paymentPattern

| Value | Description |
| --- | --- |
| ONE\_SHOT | Payment per operation (default value) |
| RECURRING\_1 | recurring payment 1st payment |
| RECURRING\_N | recurring payment Nth payment |
| INSTALMENT | payment in several instalments |

## paypageData.bypassReceiptPage

| Value | Description |
| --- | --- |
| true | Bypass the display of the Sips confirmation page. This choice allows the Merchant to display their own confirmation page |
| false | Display the Sips confirmation page |

## responseCode

| Value | Description |
| --- | --- |
| 00 | Authorisation accepted |
| 02 | Authorisation request to be performed via telephone with the issuer, as the card authorisation threshold has been exceeded, if the forcing is authorised for the merchant |
| 03 | Invalid distance selling contract |
| 05 | Authorisation refused |
| 12 | Invalid transaction, verify the parameters transferred in the request. |
| 14 | invalid bank details or card security code |
| 17 | Buyer cancellation |
| 24 | Operation impossible. The operation the merchant wishes to perform is not compatible with the status of the transaction. |
| 25 | Transaction not found in the Sips database |
| 30 | Format error |
| 34 | Suspicion of fraud |
| 40 | Function not supported: the operation that the merchant would like to perform is not part of the list of operations for which the merchant is authorised |
| 51 | Amount too high |
| 54 | Card is past expiry date |
| 60 | Transaction pending |
| 63 | Security rules not observed, transaction stopped |
| 75 | Number of attempts at entering the card number exceeded |
| 90 | Service temporarily unavailable |
| 94 | Duplicated transaction: for a given day, the TransactionReference has already been used |
| 97 | Timeframe exceeded, transaction refused |
| 99 | Temporary problem at the Sips Office Server level |

## scoreColor

| Value | Description |
| --- | --- |
| Empty | No check |
| BLACK | Score colour black |
| GREEN | Score colour green |
| ORANGE | Score colour orange |
| RED | Score colour red |
| WHITE | Score colour white |

## transactionServiceType

| Value | Description |
| --- | --- |
| CREDIT | Credit to the buyer customer's account |
| DEBIT | Debit on the buyer customer's account (for example, refund of a transaction) |

## transactionActors

| Value | Description |
| --- | --- |
| BTOB | Professional to Professional |
| BTOC | Professional to Individual |