

# Description of web service APIs used by the Payline payment solution

**Version 2.0**

# Payline

**OWNER**

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## Upgrades

Date	Version	Modifications
04/10/2007	1.0	Delivery of preliminary version
13/11/2007	1.1	Add description of API web service functions
10/01/2008	1.2	Add multiple payment functions: payment using customer wallet, by subscription and payment in N instalments
10/04/2008	1.3	Add PAYPAL payment method and customer wallet creation and modification functions using the web interface
09/07/2008	1.4	Add search and transaction detail retrieval functions Add return codes for fraud detection module (FAF) Add privilege card Add 3DSecure workflow diagrams and functions
09/02/2009	1.5	Add doDebit function
15/04/2009	1.6	Update AUTHENTICATION_3DSECURE object Update createWallet and updateWallet web services able to implement 3DSECURE authentication
26/10/2009	1.7	Add IDEAL payment method Add doReset function Add recipients of Payline error messages
23/11/2009	1.8	Language list
29/12/2009	1.8	Supplement on addition of IDEAL payment
03/03/2010	2.A	Documentation overhaul
22/04/2010	2.B	Create OWNER object to specify AMEX cardholder Update Buyer object to send SMS (mobilePhone field)
02/06/2010	2.C	Update web services: order.date field is now mandatory. Modify "transactionSearch" function
12/10/2010	2.D	Add doChequeScoring web service In Payline version V4.23
23/12/2010	2.E	Modify language codes according to ISO standard
10/03/2011	2.F	Add version V4.24: Update all web services, create doReauthorization web service
05/04/2011	2.G	Add version V4.25: Update ELV payment method
07/09/2011	2.H	Add version V4.26: New payment methods
14/11/2011	2.I	Correct authentication3DSecure field of doAuthorization()
27/01/2012	2.J	Update the Buyer object (IP fields)
16/02/2012	2.K	Put in Monext colours
09/05/2012	2.L	Correct capital letters pages 18
07/06/2012	2.M	Add version V4.27: Update the Buyer field
04/07/2012	2.N	Add version V4.30
06/07/2012	2.O	Update Card object Modify getWebWallet, createWebWallet and getWebPaymentDetails web services

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# 1. Introduction

## 1.1 Document aim

This document describes the web services available in the secure online payment solution Payline.

## 1.2 Target users

This document is intended for merchants and integrators who wish to use the Payline payment solution.

## 1.3 Reference document list

Our documents are available on our website [www.payline.com](http://www.payline.com) or on request from our support service: [support@payline.com](mailto:support@payline.com)

## 1.4 Foreword

This document is the exclusive property of Monext. Any reproduction or use by a third party without previous written agreement from Monext is unlawful.

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## 1.5 Contacts

For assistance, advice or any questions, contact Payline Assistance by email

[support@payline.com](mailto:support@payline.com)

For any question on installing the Payline solution, contact our technical assistance team by email at [support@payline.com](mailto:support@payline.com), Mondays to Fridays 09.00 - 18.00.

## 2 General principle of the API

The Payline API provides access to the various functions of the Payline payment solution. It is based on standard "web service" components, which include the SOAP protocol and the WSDL and XSD definition languages. These standards are supported by a large range of development tools on multiple platforms.

The use of the Java Axis2 customer with XMLBeans is strongly advised as it guarantees service continuity if web services are upgraded. The use of Java Axis2 is not advised with ADB.

The Payline API covers all the functions of the Payline payment solution.

They are described according to the integration mode chosen by the merchant and it is quite possible to integrate the 3 integration modes on your e-commerce site.

## 3 Payline web interface

Method	Description
doWebPayment	Initialisation of a web payment
getWebPaymentDetails	Get web payment results
createWebWallet	Create a customer wallet using web pages
updateWebWallet	Modify a customer wallet using web pages
getWebWallet	Retrieve information about a virtual wallet created via the web interface.

**Recommendation:** for each web service call, getWebPaymentDetails or getWebWallet must be carried out

### 3.1 Web service - Do Web Payment

The “doWebPayment” function initialises a web payment before redirecting your customer to Payline payment pages.

Operation

Simple authorization and/or immediate payment

Full payment: with full payment using payment.mode CPT, you carry out an authorization + validation with action code 101, or an authorization with action code 100, and the validation is done automatically by the Payline payment solution or by the merchant, using web service calls or our Payline administration centre back office tool.

**NOTE:** With debit authorization, you have 7 days to validate the payment request. Outside of this 7-day period, authorization expires and is no longer valid.

Deferred payment: A scheduled payment (< 7 days)

**Deferred payment:** with a deferred payment, the merchant requests authorization and the validation is done, for example, when the product is despatched.

This validation can be done automatically with Payline or by the merchant using the *batch interface function*, or using the doCapture web service, or via the administration centre

To debit your customer only on processing, despatch or receipt of his order and if this date is within 7 days, you must fill in the payment.action field as 100, payment.mode as DIF and deferredActionDate as the desired date for validating the payment. The desired date must respect the following condition:  $deferredActionDate \leq authorizationDate + 6$ .

Payline makes an authorization request to the bank and, if it is accepted, programmes a validation action for the desired date.

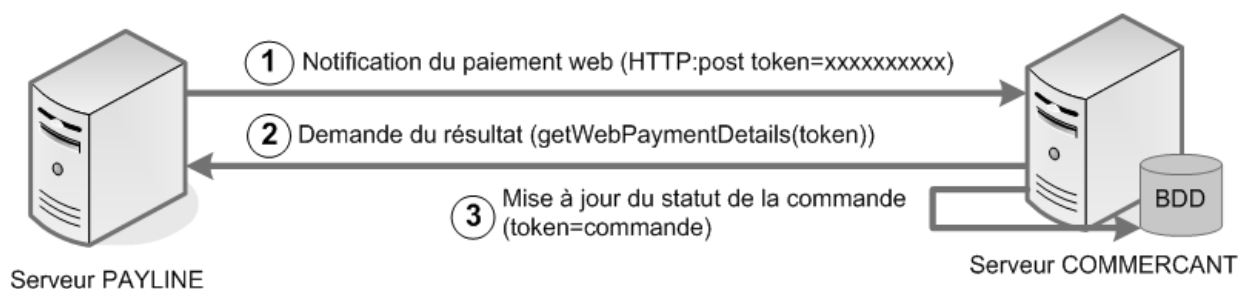
Automatic Payment Notification

To be informed that your customer has paid once the authorization request has been accepted, even if the customer does not return to your site, fill in the notificationURL field in your point of sale settings or when you make a web payment initialisation



request. Payline contacts a page from your site and sends the token linked to the payment in the GET parameter of the HTTP request. This page must be accessible by internet using the HTTP/S protocol.

When a notification is received, your site must carry out a result request for the notified web payment.



**NOTE:** If your site cannot be accessed, Payline tries every minute for 2 hours. After this, payment notification is deactivated. You can find your payments in the Merchant Administration Centre web interface.

Payment in n instalments, by subscription, and by deadline using a WALLET:

To suggest a payment by virtual wallet to your customer, you must enter the unique customer ID for your information system in the `buyerId` field and the customer's full name in the `buyerLastName` and `buyerFirstName` fields.

Payline takes charge of the creation of a virtual wallet after the validation of data collected at first payment. When the customer makes a second purchase in your online store, Payline suggests that they use their virtual wallet. In this case, "one click" payment is used as the customer does not need to enter any payment information.

To suggest a monthly payment to your customer, enter NX into the payment mode field, the unique customer number in the `walletId` field and the full name in the `buyerLastName` and `buyerFirstName` fields.

To manage how to display the user's payment methods (to display the wallets or not), the `walletDisplayed` field must be filled in. Payline takes charge of the monthly order payments. When payment is carried out, you can be advised by email by activating the "send an email to merchant" option in the Merchant Administration Centre. If there is a problem with payment, Payline tries the transaction 3 times during one week. Each time an attempt fails, you are informed.

A document about how to use virtual wallets is available on request from our support team at [support@payline.com](mailto:support@payline.com)

Other payment method option: this function allows the merchant, in the event of a bank refusal, to offer his customers another payment method.

The customer is redirected to the suggested payment methods page so that he can choose a different method to make his payment. This new function applies only to a buyer's same order, at the time of the first payment and in the event of a bank refusal. A list of new payment methods must have been filled in in `doWebPayment` (`secondSelectedContractList`)

### 3.1.1 Request

The “doWebPaymentRequest” must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the “Currency list” table in the appendix
payment.action	Payment function code	Yes	N3	100: Authorization 101: Authorization + validation
payment.mode	Payment method: full, deferred, N instalments, recurring.	Yes	AN3	CPT: Full DIF: Deferred NX: N instalments REC: recurring For a complete list see the “Payment method list” table in the appendix
payment.contractNumber	The e-commerce contract code or number which shows the payment method you wish to use.	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media <sup>1</sup>	This tag is taken into account only in the getWebPaymentDetails and getWebWallet web services for the WEB interface			
returnURL	User redirection URL following Payline payment validation.	Yes	AN255	http://... or https://...
cancelURL	Buyer redirection URL if payment is not validated or Payline cannot authorize this customer's payment.	Yes	AN255	http://... or https://...
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin This field is used only when the Mail Order or Telephone Order option is chosen	No	AN2	MO TO

Element	Description	Required	Type	Example
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	For an amount of €60, you should enter a value of 6000.
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	The code for the currency used to place the order.  978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix p 119	Yes	N3	For euros, please enter 978.
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"Details" table
notificationURL	URL for Payline to request the merchant site to retrieve the transaction result.	No	AN255	http://... or https://...
selectedContractList	The list of contract numbers you wish to use for this payment. Payline displays the list of payment methods according to the list order.  If this field is not filled in, Payline displays all payment methods active on your site.	No		
secondSelectedContractList	The list of contract numbers you wish to offer after a first payment attempt has failed. If this field is not filled in, Payline will not offer any alternative payment methods when a first payment attempt fails	No		
privateDataList	Private data	No		"privateData" table

Element	Description	Required	Type	Example
languageCode	Enter the ISO code of the language Payline payment pages are to be displayed in. By default, your customer's internet browser requests the page in the desired language from Payline.  FR or fra: French eng: English For a complete list see the "Language list" table in the appendix	No	AN6	To see pages in Italian, enter IT.
customPaymentPageCode	Merchant web page personalisation ID	No	AN50	1fd51s2dfs51
buyer.lastName	Buyer's surname	No	AN100	
buyer.firstName	Buyer's first name	No	AN100	
buyer.email	Buyer's email address	No	AN150	
buyer.shippingAddress.name	Building name or number	No	AN100	
buyer.shippingAddress.street 1	Street name	No	AN100	
buyer.shippingAddress.street 2	2nd line of address	No	AN100	
buyer.shippingAddress.cityName	City/town	No	AN40	
buyer.shippingAddress.zipcode	Postcode	No	AN20	
buyer.shippingAddress.country	Country	No	AN2	ISO 3166-1
buyer.shippingAddress.phone	Telephone	No	AN15	+351001110102
buyer.accountCreateDate	Date the buyer's account was created	No	AN10	Format to follow: dd/mm/yy
buyer.accountAverageAmount	Average buyer amount	No	N10	
buyer.accountOrderCount	This buyer's order number	No	N10	
buyer.walletId	The customer's virtual wallet ID	No <sup>3</sup>	AN50	
buyer.walletDisplayed	To manage whether to display your customer's payment methods	No	AN5	To not display the customer payment data, enter "none". To display the customer payment data, the tag must be empty or missing
buyer.walletSecured	Nature of check added to WEB payment workflow diagram.	No	AN12	To check a card security code, enter "CVV"

Element	Description	Required	Type	Example
buyer.walletCardInd	Specifies the card index to use.	No	AN2	Card index, default value "1"
buyer.ip	buyer's IP address	No	AN50	Format to follow: IPv4 or IPv6
buyer.mobilePhone	Buyer's mobile phone number	No	N15	E.g.: 0033691666666 To send SMS to buyer
buyer.customerId	Customer ID	No	AN50	E.g.: 894492568 This can be a user ID or an email address
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.cityName	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.Country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
securityMode	Selection of security mode to use for transaction	Yes		SSL
recurring.firstAmount	The first amount to be paid. It must be given in the smallest currency unit.	No <sup>4</sup>	N12	For an amount of €100, you should enter a value of 10,000.
recurring.amount	The instalment amount It must be given in the smallest currency unit.	Yes <sup>4</sup>	N12	For an amount of €5, you should enter a value of 500.
recurring.billingCycle	Payment frequency code	Yes <sup>4</sup>	N2	20: monthly 40: quarterly For a complete list see "Table: Payment frequency list" in the appendix
recurring.billingLeft	Number of instalments	No <sup>4</sup>	N3	3
recurring.billingDay	Day on which the instalments should be processed.	No <sup>4</sup>	AN2	Format to follow: dd
recurring.startDate	Date of the first instalment. If this field is empty, Payline will put today's date in.	No <sup>4</sup>	AN10	Format to follow: dd/mm/yyyy
customPaymentTemplateURL	Dynamic template URL	No	AN255	https://.... Only

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - Mandatory for wallet payments.

<sup>4</sup> - Mandatory for payments in N instalments (payment.mode = NX) or payment by subscription (payment.mode = REC)

For each order detail (details):

Element	Comment	Required	Format	Example
ref	Article reference	No	AN50	O-123
price	Article price in the smallest currency unit	No	N12	For an amount of €100, you should enter a value of 10,000.
quantity	Number of articles	No	N5	
comment	Comment	No		

For all private data (privateData):

Element	Comment	Required	Format	Example
key	The key allows you to filter your transactions	Yes	AN50	user
value	Value associated with the key	Yes	AN50	dupond or durand, etc.

### 3.1.2 Response

The "doWebPaymentResponse" message is the response given by Payline to a web payment initialisation request. In this response message you will find the internet address of the Payline web pages as well as the authentication token to use for your customer. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved Other code: Transaction refused	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
token	Time-stamped token identifying the merchant web payment request.		
redirectURL	Redirection URL for buyer to proceed to payment.	AN255	<a href="https://webpayment.payline.com">https://webpayment.payline.com</a>

## 3.2 Web service - Get Web Payment Details

After a doWebPayment a getWebPaymentDetails must be done to guarantee the result obtained. The “getWebPaymentDetailsRequest” message allows you to carry out a web payment result request. Simply specify an authentication token linked to a web payment to obtain a detailed result.

### 3.2.1 Request

The “getWebPaymentDetailsRequest” must only send the token associated with the order payment.

Element	Comment	Required	Format	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
token	Time-stamped token used to identify the merchant.	Yes	AN50	sC5hTf3YCCUmSOvoMXgm1 191189604975

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

### 3.2.2 Response

The “getWebPaymentDetailsResponse” message is the response from Payline to a request for the results of a web payment. This will allow you to obtain the unique transaction number on Payline and the debit authorization number issued by your bank. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see the “Return code list” table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = duplicate transaction 0 = no duplicate detected

Element	Description	Format	Example
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.fraudResult	Fraud code	AN50	
transaction.explanation	Refusal reason in case of fraud	AN50	
transaction.threeDSecure	This indicator shows whether the transaction is 3DSecure or not.	AN1	Y = Transaction 3DS N = Transaction not 3DS
transaction.score	Fraud scoring possibility	N5	Score from 0 to 10
payment.amount	Information sent when the doWebPayment function is used	N12	
payment.currency	As above	N3	
payment.action	As above	N3	
payment.mode	As above	AN3	
payment.contractNumber	As above	AN50	
payment.deferredActionDate	As above	AN8	Format: dd/mm/yy
media <sup>1</sup>	Detection of media used by Payline for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	AN25	Internet
authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456
authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI
privateDataList	Information sent when the doWebPayment function is used	AN	"privateData" table
authentication3DSecure.md	Returned in POST by ACS	AN20	
authentication3DSecure.xid	Unique transaction ID	AN20	
authentication3DSecure.eci	Electronic Commerce Indicator. To pass in authorization	AN2	
authentication3DSecure.cavv	Cardholder Authentication Verification Value determined by ACS.	AN26-28	



Element	Description	Format	Example
authentication3DSecure.cavvAlgorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	AN20	
authentication3DSecure.vadsResult	Summary of 3DSecure operations	AN4	
card.number	Card marked as compliant with PCI DSS		111122XXXXXX4444
card.type	Card type		E.g. Visa purchase, MC business
card.expirationDate	Card expiry date		0311
card.cardholder	Cardholder	AN20	Pierre Dupont
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedCard.country	Card country of issue	2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card
order.ref	Article reference	AN50	
order.origin	Order origin This field is used only when the Mail Order or Telephone Order option is chosen	AN2	MO TO
order.country	Country		FR
order.taxes	Tax		
order.amount	Amount		
order.currency	Currency		978
order.date	Order date		16/02/2011
billingRecordList <sup>2</sup>	Instalment dates table		"billingRecord" table
additionalPaymentList <sup>3</sup>	Additional payments table		"additionalPayment" table
numberOfAttempts <sup>1</sup>	Number of attempts made by customer during web payment Possible values: - 0: No payment attempt - 1, 2 or 3 payment attempts - 4, 5 or 6 payment attempts (only possible with the transaction replay option)	N1	3

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - Only for recurring payments or payments by subscription.

<sup>3</sup> - Only for additional payments

For each instalment deadline (billingRecord):

Element	Comment	Required	Example
billingRecord.date <sup>2</sup>	Instalment deadline	AN10	Format: dd/mm/yyyy
billingRecord.amount <sup>2</sup>	Instalment total in the smallest currency unit	N12	
billingRecord.status <sup>2</sup>	Instalment status: 0: future instalment. 1: instalment accepted. 2: instalment rejected.	AN1	
billingRecord.return.code <sup>2</sup>	Instalment processing return code 00000: Transaction approved 01xxx: Transaction refused 02302: Transaction invalid	N5	For a complete list see the "Return code list" table in the appendix
billingRecord.result.shortMessage <sup>2</sup>	Short transaction result message	AN50	
billingRecord.result.longMessage <sup>2</sup>	Transaction result message	AN255	
billingRecord.transaction.id <sup>2</sup>	Unique Payline transaction ID	AN50	
billingRecord.transaction.isPossibleFraud <sup>2</sup>	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecord.transaction.isDuplicated <sup>2</sup>	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecord.transaction.date <sup>2</sup>	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
billingRecord.authorization.number <sup>2</sup>	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456
billingRecord.authorization.date <sup>2</sup>	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI

For each additional payment (additionalPayment):

Element	Comment	Required	Example
Transaction.id <sup>3</sup>	Unique Payline transaction ID	AN50	

Element	Comment	Required	Example
Transaction.date <sup>3</sup>	Payline transaction date and time	AN16	Format:dd/mm/yyyy HH24:MI
Transaction.isDuplicated <sup>3</sup>	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
Transaction.isPossibleFraud <sup>3</sup>	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
Transaction.fraudResult <sup>3</sup>	Fraud code	AN50	
Transaction.explanation <sup>3</sup>	Refusal reason in case of fraud	AN50	
Transaction.score <sup>3</sup>	Fraud scoring possibility	N5	Score from 0 to 10
payment.amount <sup>3</sup>	Information sent when the doWebPayment function is used	N12	
payment.currency <sup>3</sup>	As above	N3	
payment.action <sup>3</sup>	As above	N3	
payment.mode <sup>3</sup>	As above	AN3	
payment.contractNumber <sup>3</sup>	As above	AN50	
payment.deferredActionDate <sup>3</sup>	As above	AN8	Format: dd/mm/yy
media <sup>1</sup>	Detection of media used by Payline for payment	AN25	Mobile
authorization.number <sup>3</sup>	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456
authorization.date <sup>3</sup>	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI
authentication3DSecure.md <sup>3</sup>	Returned in POST by ACS	AN20	
authentication3DSecure.xid <sup>3</sup>	Unique transaction ID	AN20	
authentication3DSecure.eci <sup>3</sup>	Electronic Commerce Indicator. To pass in authorization	AN2	
authentication3DSecure.cavv <sup>3</sup>	Cardholder Authentication Verification Value determined by ACS.	AN26-28	
authentication3DSecure.cavvAlgorithm <sup>3</sup>	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	AN20	
authentication3DSecure.vadsResult <sup>3</sup>	Summary of 3DSecure operations	AN4	
card.number <sup>3</sup>	Card marked as compliant with PCI DSS		111122XXXXXX4444
card.expirationDate <sup>3</sup>	Card expiry date		0311
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444

Element	Comment	Required	Example
extendedCard.country <sup>3</sup>	Card country of issue	2	ISO code: example FR
extendedCard.isCvd <sup>3</sup>	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank <sup>3</sup>	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type <sup>3</sup>	Payment card type	AN20	MASTERCARD
extendedCard.network <sup>3</sup>	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product <sup>3</sup>	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - Only for recurring payments or payments by subscription.

<sup>3</sup> - Only for additional payments

### 3.3 Web service - Create Web Wallet

The “createWebWallet” function initialises the creation of a virtual wallet via the web interface. Once your customer is redirected, they are asked to enter their card details to create their virtual wallet. Payline checks this information by a debit authorization request for a sum of €1 (validation does not take place so no card is credited on creation) and registers the customer wallet with the ID (walletId) you have provided.

The e-commerce contract provided by the bank must authorize the merchant to make payments without a card security code or an e-commerce contract must be obtained authorizing recurring payments.

From version V4.31, delivered in October 2012, this function will allow customer wallet cards to be managed. Once your customer has been redirected, they will be able to:

- view the card or cards registered on his wallet
- delete a card registered on his wallet
- add a card to his wallet
- specify a card in the wallet as the default payment method

#### 3.3.1 Request

The “createWebWalletRequest” request must have the following structure:

Element	Description	Required	Type	Example
contractNumber	The e-commerce contract code or number which shows the payment method you wish to use	Yes	AN50	
selectedContractList	The list of contract numbers you	No		If only 1 contract is

Element	Description	Required	Type	Example
	<p>wish to use for this payment. Payline displays the list of payment methods according to the list order.</p> <p>If this field is not filled in, Payline displays all payment methods active on your site.</p>			<p>entered, Payline displays a bank details page.</p> <p>If 2 or more contracts are indicated, Payline displays a payment method selection page</p>
updatePersonalDetails	<p>Indicates whether wallet-holder can update personal data</p> <p>Empty: Update not permitted</p> <p>0: Update not permitted</p> <p>1: Update permitted</p>	Yes	AN1	
buyer.lastName	Buyer's surname	Yes	AN100	
buyer.firstName	Buyer's first name	Yes	AN100	
buyer.email	Buyer's email address	No	AN150	
buyer.shippingAddress.name	Building name or number	No	AN100	
buyer.shippingAddress.street1	Street name	No	AN100	
buyer.shippingAddress.street2	2nd line of address	No	AN100	
buyer.shippingAddress.cityName	City/town	No	AN40	
buyer.shippingAddress.zipcode	Postcode	No	AN20	
buyer.shippingAddress.country	Country	No	AN2	ISO 3166-1
buyer.shippingAddress.phone	Telephone	No	AN15	
buyer.accountCreateDate	Date the buyer's account was created	No	AN8	Format to follow: dd/mm/yy
accountAverageAmount	Average buyer amount	No	N10	
buyer.accountOrderCount	This buyer's order number	No	N10	
buyer.walletId	The customer's virtual wallet ID	Yes	AN50	
buyer.walletDisplayed	To manage whether to display your customer's payment methods	No	AN5	<p>To not display the customer payment data, enter "none".</p> <p>To display the customer payment data, the tag must be empty or missing</p>
buyer.walletSecured	Nature of check added to WEB payment workflow diagram.	No	AN12	To check a card security code, enter "CVV"
buyer.walletCardInd	Specifies the card index to use.	No	AN2	Card index, default value "1"
buyer.ip	buyer's IP address	No	AN50	Format to follow: IPv4 or IPv6

Element	Description	Required	Type	Example
buyer.mobilePhone	Buyer's mobile phone number	No	N15	E.g.: 0033691666666 To send SMS to buyer
buyer.customerId	Customer ID	No	AN50	E.g.: 894492568 This can be a user ID or an email address
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.billingAddress.Street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.CityName	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.Country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
languageCode	Enter the ISO code of the language Payline payment pages are to be displayed in. By default, your customer's internet browser requests the page in the desired language from Payline.  fre/fra: French eng: English For a complete list see the "Language list" table in the appendix	No	AN6	To see pages in Italian, enter IT.
customPaymentPageCode	Merchant web page personalisation ID	No	AN50	1fd51s2dfs51
securityMode	Selection of security mode to use for transaction	Yes		SSL For a complete list see the "Security mode list" table in the appendix
returnURL	User redirection URL following Payline payment validation.	Yes	AN255	http://... or https://...
cancelURL	Buyer redirection URL if payment is	Yes	AN255	http://... or https://...

Element	Description	Required	Type	Example
	not validated or Payline cannot authorize this customer's payment.			
notificationURL	URL for Payline to request the merchant site to retrieve the transaction result.	No	AN255	http://... or https://...
privateDataList	Private data	No		"privateData" table
customPaymentTemplateURL	Dynamic template URL	No	AN255	https://.... Only

### 3.3.2 Response

In this response message you will find the internet address of the virtual wallet creation pages as well as the authentication token to use for your customer. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 02502: This wallet ID already exists 02511: Wallet is not supported for this card 02101: Internal error	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
token	Time-stamped token identifying the merchant web payment request.	AN50	
redirectURL	Redirection URL for buyer to proceed to payment.	AN255	https://webpayment.payline.com

## 3.4 Web service - Update Web Wallet

The "updateWebWallet" function initialises the modification of a virtual wallet via the web interface. Once your customer is redirected, they are asked to enter their card details to modify their virtual wallet. Payline checks this information and updates your customer's wallet with the wallet ID you have provided.

### 3.4.1 Request

The “updateWebWalletRequest” request must have the following structure:

Element	Description	Required	Type	Example
contractNumber	The e-commerce contract code or number which shows the payment method you wish to use	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value '01'
walletId	The customer's virtual wallet ID	Yes	AN50	
updatePersonalDetails	Indicates whether wallet-holder can update personal data Empty: Update not permitted 0: Update not permitted 1: Update permitted	Yes	AN1	
updatePaymentDetails	Indicates whether wallet-holder can update payment data Empty: Update not permitted 0: Update not permitted 1: Update permitted	Yes	AN1	
updateOwnerDetails	Indicates whether cardholder data can be updated. Empty: Update not permitted 0: Update not permitted 1: Update permitted	No	AN1	Applicable only for AMEX
languageCode	Enter the ISO code of the language Payline payment pages are to be displayed in. By default, your customer's internet browser requests the page in the desired language from Payline.  FR or fra: French eng: English For a complete list see the "Language list" table in the appendix	No	AN6	To see pages in Italian, enter IT.
customPaymentPageCode	Merchant web page personalisation ID	No	AN50	1fd51s2dfs51
securityMode	Selection of security mode to use for transaction	Yes		SSL For a complete list see "Table: Security mode list" in the appendix
returnURL	User redirection URL following	Yes	AN255	http://... or https://...



Element	Description	Required	Type	Example
	Payline payment validation.			
cancelURL	Buyer redirection URL if payment is not validated or Payline cannot authorize this customer's payment.	Yes	AN255	http://... or https://...
notificationURL	URL for Payline to request the merchant site to retrieve the transaction result.	No	AN255	http://... or https://...
privateDataList	Private data	No		"privateData" table
customPaymentTemplateURL	Dynamic template URL	No		https://.... Only

### 3.4.2 Response

In this response message you will find the internet address of the virtual wallet creation pages as well as the authentication token to use for your customer. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 02502: This wallet ID already exists 02503: Wallet does not exist 02511: Wallet is not supported for this card 02101: Internal error	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
token	Time-stamped token identifying the merchant web payment request.	AN50	
redirectURL	Redirection URL for buyer to proceed to payment.	AN255	https://webpayment.payline.com

## 3.5 Web service - Get Web Wallet

After a wallet has been created or updated, the getWebWallet web service must be used to guarantee the result obtained.

This method is used to retrieve information from a virtual wallet created via the web interface.

### 3.5.1 Request

The “getWebWalletRequest” request includes:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
token	Time-stamped token used to identify the merchant.	Yes	AN50	

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

### 3.5.2 Response

The “getWebWalletResponse” message is the response to a request for information on a virtual wallet.

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful 02304: Invalid transaction	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
wallet.walletId	The unique virtual wallet ID. You must provide Payline with a unique ID that corresponds to a single customer in your information system. You can then request a virtual wallet payment using this same ID.	AN50	
wallet.lastName	Your customer's surname. This information is useful when searching for a wallet in the Merchant Administration Centre	AN100	
wallet.firstName	Your customer's first name.	AN100	
wallet.email	Your customer's email address. Payline will use this information to	AN150	

	send a receipt of payment to your customer		
wallet.shippingAddress.name	Building name or number	AN100	
wallet.shippingAddress.street1	Street name	AN100	
wallet.shippingAddress.street2	2nd line of address	AN100	
wallet.shippingAddress.cityName	City/town	AN40	
wallet.shippingAddress.zipcode	Postcode	AN20	
wallet.shippingAddress.country	Country	AN2	
wallet.shippingAddress.phone	Telephone	AN15	
wallet.card.number	Card number	N19	
wallet.card.type	Card type used for the transaction	AN40	CB: Visa / MasterCard AMEX: American Express For a complete list see "Table: Card type list" in the appendix
wallet.card.expirationDate	Card expiry date	N4	Format to follow: mmyy
wallet.card.cvx	Card security code on the back of the credit card	N10	
wallet.card.ownerDateOfBirth	Cardholder's date of birth	N6	Format to follow: ddmmyy
wallet.card.password	Encrypted password	AN16	
wallet.card.cardholder	Cardholder	AN20	Pierre Dupont
wallet.card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
wallet.comment	Comments	AN255	
media <sup>1</sup>	Detection of media used by Payline.  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	AN25	Internet
numberOfAttempts <sup>1</sup>	Number of attempts made by customer during web payment Possible values: <ul style="list-style-type: none"> <li>- 0: No payment attempt</li> <li>- 1, 2 or 3 payment attempts</li> <li>- 4, 5 or 6 payment attempts (only possible with the transaction replay option)</li> </ul>	N1	5
privateDataList	Your private information that you wish to send		"Private data" table
extendedCard.country	Card country of issue	2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	N1	Y or N

extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card
owner.lastName	Cardholder's surname	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.Street	Cardholder's street name	AN20	Applicable only for AMEX
owner.billingAddress.CityName	Cardholder's city/town	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	AN9	Applicable only for AMEX
owner.billingAddress.Country	Cardholder's country	AN2	Applicable only for AMEX
owner.billingAddress.Phone	Cardholder's telephone number	AN10	Applicable only for AMEX

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

## 4 Payline direct interface

Method	Description
doAuthorization	Carry out payment authorization requests
doCapture	Validate an accepted payment request
doRefund	Refund a payment using an accepted authorization number
doCredit	Credit a payment card using a the merchant account
doReset	Cancel a transaction using a transaction that has been authorized and validated but not transferred to the bank.
createWallet	Create a customer wallet
updateWallet	Update customer wallet
getWallet	Retrieve information making up the customer wallet
disableWallet	Deactivate a customer wallet
enableWallet	Reactivate a customer wallet
doImmediateWalletPayment	Carry out a payment request from a customer wallet
doScheduledWalletPayment	Schedule a payment request for a set day
doRecurringWalletPayment	Schedule a fixed payment amount for payment requests (subscription)
getPaymentRecord	Retrieve a payment record
disablePaymentRecord	Deactivate a payment record
transactionSearch	Obtain a list of transactions corresponding to search criteria entered by the user.
getTransactionDetails	Obtain payment details of any nature.
verifyEnrolment	Verify that the buyer's card is 3DSecure.
doChequeScoring	Verify the validity of a cheque
doReauthorization	Allow transaction replay
getCards	Retrieve information on cards in a multiscard wallet.
getEncryptionKey	Supply the public card data encryption key

## 4.1 Web service - Do Authorization

The “doAuthorization” function sends a debit authorization request to your bank’s authorization server.

### 1. Simple authorization and/or immediate payment

Full payment: with full payment using payment.mode CPT, you carry out an authorization + validation with action code 101, or an authorization with action code 100, and the validation is done automatically by the Payline payment solution or by the merchant, using web service calls or our Payline administration centre back office tool.

**NOTE:** With debit authorization, you have 7 days to validate the payment request. Outside of this 7-day period, authorization expires and is no longer valid.

### 2. Deferred payment: A scheduled payment (< 7 days)

**Deferred payment:** with a deferred payment, the merchant requests authorization and the validation is done, for example, when the product is despatched.

*An authorization request is valid for 7 days.*

This validation can be done automatically with Payline or by the merchant using the *batch interface function*, or using the doCapture web service, or via the administration centre

To debit your customer only on processing, despatch or receipt of his order and if this date is within 7 days, you must fill in the payment.action field as 100, payment.mode as DIF and deferredActionDate as the desired date for validating the payment. The desired date must respect the following condition:  $deferredActionDate \leq authorizationDate + 6$ .

Payline makes an authorization request to the bank and, if it is accepted, programmes a validation action for the desired date.

### 4.1.1 Request

The “doAuthorizationRequest” must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version	Yes <sup>1</sup>	N1	Enter the value “3”

Element	Description	Required	Type	Example
	Required since 2011			
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see "Table: Currency list"
payment.action	Payment function code	Yes	N3	201: VALIDATION
payment.mode	Payment method: full, deferred	Yes	AN3	CPT: Full DIF: Deferred For a complete list see "Table: Payment method list" in the appendix
payment.contractNumber	The e-commerce contract code or number which shows the payment method you wish to use	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media	<p>Detection of media used for payment</p> <p>The possible values for this tag are:</p> <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	Mobile
bankAccountData.countryCode	Used only for ELV			
bankAccountData.bankCode	Used only for ELV			
bankAccountData.accountNumber	Used only for ELV			
bankAccountData.key	Used only for ELV			
card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
card.encryptedData	Encrypted card data	No	Base 64	If these fields are filled in then card data must be null
card.number	Card number	Yes	N19	
card.type	Card type used for the	Yes	AN40	CB: Visa / MasterCard

Element	Description	Required	Type	Example
	transaction			AMEX: American Express For a complete list see "Table: Card type list" in the appendix
card.expirationDate	Card expiry date	no <sup>4</sup>	N4	Format to follow: mmyy
card.cvx	Card security code on the back of the credit card	no <sup>4</sup>	N10	
card.ownerDateOfBirth	Cardholder's date of birth	no <sup>4</sup>	N6	Format to follow: ddmmyy
card.password	Encrypted password	No <sup>4</sup>	AN16	
card.cardPresent	This service is used only if you make a Mail Order or Telephone Order or if the user is physically present	No	N1	0 or 1: present
card.cardholder	Cardholder	No	AN20	Pierre Dupont
card.token <sup>1</sup>	Card number alias Leave this field empty. Not currently taken into account.	No	AN19	1111gPNzHtyu4444
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin (used only if you have registered for the Mail Order and Telephone Order option)	No <sup>5</sup>	AN2	MO or TO
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	For an amount of €60, you should enter a value of 6000.
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Code of currency used for order.	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
buyer.lastName	Buyer's surname	No	AN10 0	



Element	Description	Required	Type	Example
buyer.firstName	Buyer's first name	No	AN100	
buyer.email	Buyer's email address	No	AN150	
buyer.shippingAddress.Name	Building name or number	No	AN100	
buyer.shippingAddress.Street1	Street name	No	AN100	
buyer.shippingAddress.Street2	2nd line of address	No	AN100	
buyer.shippingAddress.CityName	City/town	No	AN40	
buyer.shippingAddress.zipcode	Postcode	No	AN20	
buyer.shippingAddress.Country	Country	No	AN2	ISO 3166-1
buyer.shippingAddress.Phone	Telephone	No	AN15	
buyer.accountCreateDate	Date the buyer's account was created	No	AN8	Format to follow: dd/mm/yy
AccountAverageAmount	Average buyer amount	No	N10	
buyer.accountOrderCount	This buyer's order number	No	N10	
buyer.walletId	The customer's virtual wallet ID	No <sup>3</sup>	AN50	
buyer.walletCardInd	Specifies the card index to use.	No	AN2	Card index, default value "1"
buyer.ip	buyer's IP address	No	AN50	Format to follow: IPv4 or IPv6
buyer.mobilePhone	Buyer's mobile phone number	No	N15	E.g.: 0033691666666 To send SMS to buyer
buyer.customerId	Customer ID	No	AN50	E.g.: 894492568 This can be a user ID or an email address
privateDataList	Private data	No		"privateData" table
authentication3DSecure.md	Returned in POST by ACS	No <sup>5</sup>	AN20	
authentication3DSecure.pares	Returned in POST by ACS	No <sup>5</sup>	AN	
authentication3DSecure.xid	Unique transaction ID	No	AN20	Do not use, obsolete field
authentication3DSecure.eci	Electronic Commerce Indicator. To pass in authorization	No	AN2	Do not use, obsolete field
authentication3DSecure.cavv	Cardholder Authentication Verification Value determined by ACS.	No	AN26-28	Do not use, obsolete field
authentication3DSecure.cavvAlgorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN,	No	N1	Do not use, obsolete field

Element	Description	Required	Type	Example
	3 = MasterCard AAV			
authentication3DSecure.vadsResult	Summary of 3DSecure operations	No	AN4	Do not use, obsolete field
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.cityName	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - Do not fill in for this function.

<sup>4</sup> - Please refer to the "Table: List of mandatory fields by card type" in the appendix.

<sup>5</sup> - Mandatory for all 3DSecure transactions.

<sup>6</sup> - If you have registered for the Mail Order and Telephone Order MO TO option and it is activated, then the value of order.origin will be "MO" or "TO".

For each order detail (orderDetails):

Element	Comment	Required	Format	Example
ref	Article reference	No	AN50	
price	Article price in the smallest currency unit	No	N12	
quantity	Number of articles	No	N5	
comment	Comment	No		

For all private data (privateData):

Element	Comment	Required	Format	Example
key	The key allows you to filter your transactions	Yes	AN50	user
value	Value associated with the key	Yes	AN50	dupond or durand, etc.

## 4.1.2 Response

The "doAuthorizationResponse" message is the response given by Payline to a debit authorization request. This will allow you to obtain the unique transaction number on Payline and the debit authorization number issued by your bank.

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
transaction.fraudResult	Fraud code	AN50	
transaction.explanation	Refusal reason in case of fraud	AN50	
transaction.threeDSecure	This indicator is returned by Payline during 3DSecure transactions	AN1	Y = Transaction in 3DSecure mode Y = Transaction in non 3DSecure mode
transaction.score	Fraud scoring possibility	N5	Score from 0 to 10
authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456
authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI
card.number	The hidden card number complies with PCI DSS		111122XXXXXX4444
card.type	Card type: Visa card, Gold Visa	AN50	
card.expirationDate	Expiry date		0311
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedcard.country	Card country of issue	2	ISO code: example FR
extendedcard.isCvd	Is the card a Carte Bleue?	N1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD

Element	Description	Format	Example
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

\*- according to your account settings, Payline can approve payment without making a request to the merchant's bank. In this case, the authorization number will be empty.

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

## 4.2 Web service - do Reauthorization

This allows a transaction which has been accepted to be replayed. The rules are defined below:

- Accepted authorizations (partially or fully validated) or authorization+validation can be reauthorized
- A reauthorization can be reauthorized
- No rule on amounts for reauthorizations but for validation of a reauthorization we use the same method as a normal authorization, therefore capture offsets.
- The new authorization must be in the same currency as the original one; otherwise an error code is sent without storage in the database: 02620 "Currency must be the same as the original authorization"
- The original authorization must not be made in 3D Secure: 02622 "3DS Transaction is not allowed"
- A reauthorization can be made on authorizations for up to 11 months after its creation date
- The reauthorization reference is retrieved from the original transaction if no new reference has been associated with it.
- The reauthorization is a separate transaction so if the reauthorization is made less than 24 hours after the original transaction it will be considered a duplicate unless the order reference is different from that of the original transaction.
- The reauthorization option must be activated in a contract in order to do a reauthorization, otherwise an error code is sent: 02619 "You don't have the reauthorization option"

### 4.2.1 Request

Element	Description	Required	Type	Example
version	Payline web services version	Yes <sup>1</sup>	N1	Enter the value "3"

	Required since 2011			
transactionId	Authorization transaction ID to be reauthorized	Yes	N50	
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
payment.action	Payment function code	Yes	AN50	12345678
payment.mode	Payment method: full, deferred	Yes	AN2	MO or TO
payment.contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN3	FR
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	N12	For an amount of €60, you should enter a value of 6000.
media	Detection of media used for payment.  The possible values for this tag are: <ul style="list-style-type: none"><li>- Internet</li><li>- Mobile</li><li>- Tablet</li><li>- TV</li><li>- Console</li><li>- Undefined</li></ul>	No <sup>1</sup>	AN25	TV
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	No	N12	For an amount of €60, you should enter a value of 6000.
order.origin	Order origin (used only if you have registered for the Mail Order and Telephone Order option)	No <sup>3</sup>	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.country	The code for the country in which the order was placed.	No	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.taxes	The amount of tax added to the order in the smallest currency unit.	No		"orderDetails" table
order.amount	Order total in the smallest currency unit Generally the	Yes if Order Ref	N3	100: Authorization 101: Authorization + validation

	same as the payment.amount	is filled in		
order.currency	Code of currency used for order.	Yes if Order Ref is filled in	AN3	CPT: Full DIF: Deferred For a complete list see the "Payment method list" table in the appendix
order.date	The date the order was placed with the merchant	Yes if Order Ref is filled in	AN50	
order.details	Details of articles ordered	No	AN8	Format to follow: dd/mm/yy
privateDataList	Private data	No		"privateData" table

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - If you have registered for the Mail Order and Telephone Order MO TO option and it is activated, then the value of order.origin will be "MO" or "TO".

## 4.2.2 Response

The "doReauthorizationResponse" message is the response from Payline to a validation request for a debit authorization. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format:dd/mm/yyyy HH24:MI
cardNumber	Hidden card number	N19	
card.type	Card type		
card.expirationDate	Card expiry date		
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444

extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card
extendedCard.Country	The country issuing the card		
extendedCard.IsCVD	Flag for virtual cards		

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

## 4.3 Web service - Do Capture

The “doCapture” function requests validation of an accepted authorization. Once the validation is taken into account, a file with all the validations is sent to the merchant's bank; Payline sends payment requests to your bank.

### 4.3.1 Request

The “doCaptureRequest” request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
transactionId	Authorization transaction ID	Yes	N50	
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the “Currency list” table in the appendix
payment.action	Payment function code	Yes	N3	201: Validation
payment.mode	Payment method: full, deferred, N instalments, recurring.	Yes	AN3	CPT: Full DIF: Deferred NX: N instalments REC: recurring For a complete list see the “Payment method list” table in the appendix

payment.contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media	Detection of media used for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	TV
privateDataList	Private data	No		"privateData" table
sequenceNumber	The transaction sequence number	No	AN50	

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

### 4.3.2 Response

The "doCaptureResponse" message is the response from Payline to a validation request for a debit authorization. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk



transaction.date	Payline transaction date and time	AN16	Format:dd/mm/yyyy HH24:MI
reAuthorization	This indicator shows that a reauthorization has been made	N1	1 = Reauthorization made 0 = No reauthorization made

## 4.4 Web service - Do Refund

**Refund:** a refund request for a validated payment paid into the bank; therefore the customer has been debited and the merchant credited.

*The deadline for refunds is 6 months.*

### 4.4.1 Request

The “doRefundRequest” request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
transactionId	Authorization transaction ID	Yes	N50	
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see "Table: Currency list"
payment.action	Payment function code	Yes	N3	421: Refund
payment.mode	Payment method: full, deferred.	Yes	AN3	CPT: Full DIF: Deferred
payment.contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy

media	Detection of media used for payment  The possible values for this tag are: - Internet - Mobile - Tablet - TV - Console - Undefined	No <sup>1</sup>	AN25	Console
comment	Description of reason for refund. May be viewed via the transaction statement which can be accessed through the Merchant Administration Centre.	No	AN255	
privateDataList	Private data	No		"privateData" table
sequenceNumber	The transaction sequence number	No	AN50	

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory.  
For other methods of payment this field should be empty.

## 4.4.2 Response

The "doRefundResponse" message is the response given by Payline to a refund request.  
The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI

## 4.5 Web service - Do Reset

**Reset:** a transaction can be reset only if the payment was validated and not paid into the bank; therefore the customer's bank account has not been debited

The "doReset" function lets you cancel sending your bank a debit or credit transaction made using the following functions: doAuthorization, doDebit, doCredit, doRefund

### 4.5.1 Request

The "doResetRequest" request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
transactionId	ID of transaction to be reset	Yes	N50	
media	Detection of media used  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	Console
comment	Description of reason for reset. May be viewed via the transaction statement which can be accessed through the Merchant Administration Centre.	No	AN255	

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

### 4.5.2 Response

The "doResetResponse" message is the response given by Payline to a reset request.

The response has the following structure:

Element	Description	Format	Example
---------	-------------	--------	---------

return.code	The web service return code: 00000: Transaction approved 02600: Reset is not supported for transaction type 02601: Reset already done 02602: Authorization has already expired 02603: Transaction status isn't "to remit" 02604: This transaction does not exist 01917: This transaction has already been sent to the buyer	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI

## 4.6 Web service - Do Credit

The "doCredit" function is used to request that the bank card used by your customer for the payment be credited. This function is useful for refunding your customer if you have not kept the transaction authorization ID needed for the doRefund function.

### 4.6.1 Request

The "doCreditRequest" request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
payment.action	Payment function code	Yes	N3	422: Credit

Element	Description	Required	Type	Example
payment.mode	Payment method: full, deferred, N instalments, recurring.	Yes	AN3	CPT: Full DIF: Deferred NX: N instalments REC: recurring For a complete list see the "Payment method list" table in the appendix
payment.contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media	Detection of media used for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	TV
card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
card.encryptedData	Encrypted card data	No	Base64	If these fields are filled in then card data must be null
card.number	Card number	Yes	N19	
card.type	Card type used for the transaction	Yes	AN40	CB: Visa / MasterCard AMEX: American Express For complete list see "Card type list" table in the appendix, except for Aurore
card.expirationDate	Card expiry date	No <sup>3</sup>	N4	Format to follow: mmyy
card.CVX	Card security code on the back of the credit card	no <sup>3</sup>	N10	
card.ownerDateOfBirth	Cardholder's date of birth	no <sup>3</sup>	N6	Format to follow: ddmmyy
card.password	Encrypted password	no <sup>3</sup>	AN16	
card.cardPresent	This service is used only if you make a Mail Order or Telephone Order or if the user is physically present	No	N1	0 or 1: present
card.cardholder	Cardholder	No	AN20	Pierre Dupont

Element	Description	Required	Type	Example
card.token	Card number alias Leave this field empty. Not currently taken into account.	No	AN19	1111gPNzHtyu4444
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin (used only if you have registered for the Mail Order and Telephone Order option)	No	AN2	MO or TO
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	For an amount of €60, you should enter a value of 6000.
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Code of currency used for order.	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
buyer.lastName	Buyer's surname	No	AN100	
buyer.firstName	Buyer's first name	No	AN100	
buyer.email	Buyer's email address	No	AN150	
buyer.shippingAddress.name	Building name or number	No	AN100	
buyer.shippingAddress.street 1	Street name	No	AN100	
buyer.shippingAddress.street 2	2nd line of address	No	AN100	
buyer.shippingAddress.cityName	City/town	No	AN40	
buyer.shippingAddress.zipcode	Postcode	No	AN20	
buyer.shippingAddress.country	Country	No	AN2	ISO 3166-1
buyer.shippingAddress.phone	Telephone	No	AN15	
buyer.accountCreateDate	Date the buyer's account was created	No	AN8	Format to follow: dd/mm/yy

Element	Description	Required	Type	Example
AccountAverageAmount	Average buyer amount	No	N10	
buyer.accountOrderCount	This buyer's order number	No	N10	
buyer.walletId	The customer's virtual wallet ID	No	AN50	
buyer.mobilePhone	Buyer's mobile phone number	No	N15	Do not use. Sending SMS is not implemented with this method
comment	Description of reason for refund. May be viewed via the transaction statement which can be accessed through the Merchant Administration Centre.	No	AN255	
privateDataList	Private data	No		"privateData" table

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - Please refer to the "List of mandatory fields by card type" table in the appendix to this document.

## 4.6.2 Response

The "doCreditResponse" is the response given by Payline to a credit request.

The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk

transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
card.number	The hidden card number complies with PCI DSS		111122XXXXXX4444
card.type	Card type: Visa card, Gold Visa	AN50	
card.expirationDate	Expiry date		0311
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedcard.country	Card country of issue	2	ISO code: example FR
extendedcard.isCvd	Is the card a Carte Bleue?	N1	Y or N

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

## 4.7 Web service - Do Debit

The "doDebit" function is used following a phone call and is a forced debit. The merchant has contacted his bank and the bank provides an authorization number; this allows him to request a debit on his customer's bank card.

### 4.7.1 Request

The "doDebitRequest" request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
payment.amount	Transaction amount in the smallest currency unit	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see "Table: Currency list"
payment.action	Payment function code	Yes	N3	204: Debit
payment.mode	Payment method: full, N instalments, recurring.	Yes	AN3	CPT: Full
payment.contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy



Element	Description	Required	Type	Example
	earlier than today's date + 7 days.			
media	<p>Detection of media used for payment</p> <p>The possible values for this tag are:</p> <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	-
card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
card.encryptedData	Encrypted card data	No	Base64	If these fields are filled in then card data must be null
card.number	Card number	Yes	N19	
card.type	Card type used for the transaction	Yes	AN40	CB: Visa / MasterCard AMEX: American Express For a complete list see "Table: Card type list" in the appendix
card.expirationDate	Card expiry date	No <sup>3</sup>	N4	Format to follow: mmyy
card.cvx	Card security code on the back of the credit card	no <sup>3</sup>	N10	
card.ownerDateOfBirth	Cardholder's date of birth	no <sup>3</sup>	N6	Format to follow: ddmmyy
card.password	Encrypted password	no <sup>3</sup>	AN16	
card.token	Card number alias Leave this field empty. Not currently taken into account.	No <sup>1</sup>	AN19	1111gPNzHtyu4444
authorization.number	Authorization number	No	AN6	
authorization.date	Authorization date	No	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin (used only if you have registered for the Mail Order and Telephone Order option)	No <sup>4</sup>	AN2	MO or TO
order.country	The code for the country in which the order was placed.	No	AN3	FR

Element	Description	Required	Type	Example
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	For an amount of €60, you should enter a value of 6000.
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Code of currency used for order.	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
buyer.lastName	Buyer's surname	No	AN100	
buyer.firstName	Buyer's first name	No	AN100	
buyer.email	Buyer's email address	No	AN150	
buyer.shippingAddress.name	Building name or number	No	AN100	
buyer.shippingAddress.street1	Street name	No	AN100	
buyer.shippingAddress.street2	2nd line of address	No	AN100	
buyer.shippingAddress.cityName	City/town	No	AN40	
buyer.shippingAddress.zipcode	Postcode	No	AN20	
buyer.shippingAddress.country	Country	No	AN2	ISO 3166-1
buyer.shippingAddress.phone	Telephone	No	AN15	
buyer.accountCreateDate	Date the buyer's account was created	No	AN8	Format to follow: dd/mm/yy
accountAverageAmount	Average buyer amount	No	N10	
buyer.accountOrderCount	This buyer's order number	No	N10	
buyer.walletId	The customer's virtual wallet ID	No	AN50	
buyer.walletCardId	Specifies the card index to use.	No	AN2	Card index, default value "1"
buyer.ip	buyer's IP address	No	AN50	Format to follow: IPv4 or IPv6
buyer.mobilePhone	Buyer's mobile phone number	No	N15	Do not use. Sending SMS is not implemented with this method
privateDataList	Private data	No		"privateData" table

Element	Description	Required	Type	Example
authentication3DSecure.md	Returned in POST by ACS	No <sup>5</sup>	AN20	Not used
authentication3DSecure.pare s	Returned in POST by ACS	No <sup>5</sup>	AN	
authentication3DSecure.xid	Unique transaction ID	No	AN20	
authentication3DSecure.eci	Electronic Commerce Indicator. To pass in authorization	No	AN2	
authentication3DSecure.cavv	Cardholder Authentication Verification Value determined by ACS.	No	AN26-28	
authentication3DSecure.cavv Algorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	No	AN20	
authentication3DSecure.vads Result	Summary of 3DSecure operations	No	AN4	
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.cityNam e	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - Please refer to the "List of mandatory fields by card type" table in the appendix to this document.

<sup>4</sup> - If you have registered for the Mail Order and Telephone Order MO TO option and it is activated, then the value of order.origin will be "MO" or "TO".

<sup>5</sup> - Mandatory for all 3DSecure transactions.

## 4.7.2 Response

The "doDebitResponse" message is the response given by Payline to a debit request.  
The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
card.number	Card marked as compliant with PCI DSS		111122XXXXXX4444
card.type	Card type		E.g. Visa purchase, MC business
card.expirationDate	Card expiry date		0311
card.cardholder	Cardholder	AN20	Pierre Dupont
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedCard.country	Card country of issue	2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

## 4.8 Web service - Create Wallet

The “createWallet” function is used to create a virtual wallet for your customer. In order to validate the use of a wallet, Payline performs an e-payment check of the payment method via an authorization transaction of 1 euro which will not then be validated (no actual payment).

If you have several points of sale for one merchant account, the wallet will be linked to the point of sale specified when the creation of the wallet is requested.

Wallet creation will be refused in the following cases:

- The virtual wallet ID provided exists already
- The card is out of date,
- The card for payment is refused following an e-payment check,
- The mandatory information is not filled in.
- The 3DSecure authentication failed (only for 3DSecure contract)

### 4.8.1 Request

The “createWalletRequest” request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
wallet.walletId	The unique virtual wallet ID You must provide Payline with a unique ID that corresponds to a single customer in your information system. You can then request a virtual wallet payment using this same ID.	Yes	AN50	
wallet.lastName	Your customer’s surname. This information is useful when searching for a wallet in the Merchant Administration Centre	Yes	AN100	
wallet.firstName	Your customer’s first name.	Yes	AN100	
wallet.email	Your customer’s email address. Payline will use this information to send a receipt of payment to your customer	No	AN150	

Element	Description	Required	Type	Example
wallet.shippingAddress.name	Building name or number	No	AN100	
wallet.shippingAddress.street1	Street name	No	AN100	
wallet.shippingAddress.street2	2nd line of address	No	AN100	
wallet.shippingAddress.cityName	City/town	No	AN40	
wallet.shippingAddress.zipcode	Postcode	No	AN20	
wallet.shippingAddress.country	Country	No	AN2	
wallet.shippingAddress.phone	Telephone	No	AN15	
wallet.card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
wallet.card.encryptedData	Encrypted card data	No	Base64	If these fields are filled in then card data must be null
wallet.card.number	Card number	Yes <sup>2</sup>	N19	
wallet.card.type	Card type used for the transaction	Yes <sup>2</sup>	AN40	CB: Visa / MasterCard AMEX: American Express For a complete list see "Table: Card type list" in the appendix
wallet.card.expirationDate	Card expiry date	no <sup>3</sup>	N4	Format to follow: mmyy
wallet.card.cvx	Card security code on the back of the credit card	No <sup>3</sup>	N10	
wallet.card.ownerDateOfBirth	Cardholder's date of birth	No <sup>3</sup>	N6	Format to follow: ddmmyy
wallet.card.password	Encrypted password	No <sup>3</sup>	AN16	
wallet.card.cardPresent	This service is used only if you make a Mail Order or Telephone Order or if the user is physically present	No	N1	0 or 1: present
wallet.card.cardholder	Cardholder	No	AN20	Pierre Dupont
wallet.card.token	Card number alias Leave this field empty.	No <sup>1</sup>	AN19	1111gPNzHtyu4444
wallet.comment	Comments	No	AN255	
wallet.default	Card registered by default	No	A1	Y or N: Default card
media	Detection of media used for payment.  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> </ul>	No <sup>1</sup>	AN25	Internet

Element	Description	Required	Type	Example
	- Undefined			
privateDataList	Private data	No		"privateData" table
authentication3DSecure.md	Returned in POST by ACS	No <sup>4</sup>	AN20	
authentication3DSecure.pares	Returned in POST by ACS	No <sup>4</sup>	AN	
authentication3DSecure.xid	Unique transaction ID	No	AN20	Do not use, obsolete field
authentication3DSecure.eci	Electronic Commerce Indicator. To pass in authorization	No	AN2	Do not use, obsolete field
authentication3DSecure.cavv	Cardholder Authentication Verification Value determined by ACS.	No	AN26-28	Do not use, obsolete field
authentication3DSecure.cavvAlgorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	No	AN20	Do not use, obsolete field
authentication3DSecure.vadsResult	Summary of 3DSecure operations	No	AN4	Do not use, obsolete field
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.cityName	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX

<sup>1</sup> - Upgrade delivered October 2012, in Payline version V4.31.

<sup>2</sup> - Not mandatory for updating a wallet.

<sup>3</sup> - Please refer to the "List of mandatory fields by card type" table in the appendix to this document.

<sup>4</sup> - Mandatory for all 3DSecure transactions.

## 4.8.2 Response

The “createWalletResponse” message is the response from Payline to a virtual wallet creation request. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful 02502: This wallet ID already exists 01xxx: Transaction refused	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
card.number	The hidden card number complies with PCI DSS		111122XXXXXX4444
card.type	Card type: Visa card, Gold Visa	AN50	
card.expirationDate	Expiry date		0311
card.cardholder	Cardholder	AN20	Pierre Dupont
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedCard.country	Card country of issue	2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

1 - Upgrade delivered October 2012, in Payline version V4.31.



## 4.9 Web service - Update Wallet

The “updateWallet” function is used to update the virtual wallet.

When the payment method information is filled in, Payline will perform an e-payment check of the payment method to validate it and update the wallet. In order not to modify the payment method, do not fill in the wallet.card.\* fields.

The update will be refused in the following cases:

- The virtual wallet ID does not exist at the indicated point of sale,
- The card is out of date,
- The card for payment is refused following an e-payment check,
- The mandatory information is not filled in.
- The 3DSecure authentication failed (only for 3DSecure contract)

### 4.9.1 Request

The “updateWalletRequest” request has the same structure as the “createWalletRequest” message.

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
contractNumber	The e-commerce contract code or number which represents the payment method you wish to use	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value ‘01’
wallet.walletId	The unique virtual wallet ID You must provide Payline with a unique ID that corresponds to a single customer in your information system. You can then request a virtual wallet payment using this same ID.	Yes	AN50	
wallet.lastName	Your customer's surname. This information is useful when searching for a wallet in the Merchant Administration Centre	Yes	AN100	
wallet.firstName	Your customer's first name.	Yes	AN100	
wallet.email	Your customer's email address. Payline will use this information to	No	AN150	

Element	Description	Required	Type	Example
	send a receipt of payment to your customer			
wallet.shippingAddress.name	Building name or number	No	AN100	
wallet.shippingAddress.street 1	Street name	No	AN100	
wallet.shippingAddress.street 2	2nd line of address	No	AN100	
wallet.shippingAddress.cityName	City/town	No	AN40	
wallet.shippingAddress.zipcode	Postcode	No	AN20	
wallet.shippingAddress.country	Country	No	AN2	
wallet.shippingAddress.phone	Telephone	No	AN15	
wallet.card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
wallet.card.encryptedData	Encrypted card data	No	Base64	If these fields are filled in then card data must be null
wallet.card.number	Card number	Yes2	N19	
wallet.card.type	Card type used for the transaction	Yes 2	AN40	CB: Visa / MasterCard AMEX: American Express For a complete list see "Table: Card type list" in the appendix
wallet.card.expirationDate	Card expiry date	No 3	N4	Format to follow: mmyy
wallet.card.cvx	Card security code on the back of the credit card	No 3	N10	
wallet.card.ownerDateOfBirth	Cardholder's date of birth	No 3	N6	Format to follow: ddmmyy
wallet.card.password	Encrypted password	No 3	AN16	
wallet.card.cardPresent	This service is used only if you make a Mail Order or Telephone Order or if the user is physically present	No	N1	0 or 1: present
wallet.card.cardholder	Cardholder	No	AN20	Pierre Dupont
wallet.card.token	Card number alias Leave this field empty. Not currently taken into account.	No <sup>1</sup>	AN19	1111gPNzHtyu4444
wallet.comment	Comments	No	AN255	
wallet.default	Card registered by default	No	A1	Y or N: Default card
media	Detection of media used to update the wallet.  The possible values for this tag are:	No <sup>1</sup>	AN25	Internet

Element	Description	Required	Type	Example
	<ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>			
privateDataList	Your personal information	No		"privateData" table
authentication3DSecure.md	Returned in POST by ACS	No <sup>4</sup>	AN20	
authentication3DSecure.pars	Returned in POST by ACS	No <sup>4</sup>	AN	
authentication3DSecure.xid	Unique transaction ID	No	AN20	Do not use, obsolete field
authentication3DSecure.eci	Electronic Commerce Indicator. To pass in authorization	No	AN2	Do not use, obsolete field
authentication3DSecure.cavv	Cardholder Authentication Verification Value determined by ACS.	No	AN26-28	Do not use, obsolete field
authentication3DSecure.cavvAlgorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	No	AN20	Do not use, obsolete field
authentication3DSecure.vadsResult	Summary of 3DSecure operations	No	AN4	Do not use, obsolete field
owner.lastName	Cardholder's surname	No	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	No	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	No	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	No	AN20	Applicable only for AMEX
owner.billingAddress.cityName	Cardholder's city/town	No	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	No	AN9	Applicable only for AMEX
owner.billingAddress.country	Cardholder's country	No	AN2	Applicable only for AMEX
owner.billingAddress.phone	Cardholder's telephone number	No	AN10	Applicable only for AMEX

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - Not mandatory for a wallet update.

<sup>3</sup> - Please refer to the "Table: List of mandatory fields by card type" in the appendix.

<sup>4</sup> - Mandatory for all 3DSecure transactions.

## 4.9.2 Response

The “updateWalletResponse” message is the response from Payline to a virtual wallet modification request. The response has the same structure as the “createWalletRequest” message.

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful 02503: Wallet does not exist	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
card.number	The hidden card number complies with PCI DSS		111122XXXXXX4444
card.type	Card type: Visa card, Gold Visa	AN50	
card.expirationDate	Expiry date		0311
card.cardholder	Cardholder	AN20	Pierre Dupont
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedCard.country	Card country of issue	2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

## 4.10 Web service - Get Wallet

The “getWallet” function retrieves virtual wallet data.

### 4.10.1 Request

The “getWalletRequest” request must send the walletId field and the contractNumber to identify the wallet.

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
contractNumber	The e-commerce contract No. used to create the wallet	Yes	AN50	
walletId	The virtual wallet ID	Yes	AN50	
media	Detection of the media used to create or update the wallet.  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	TV
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value ‘01’

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

### 4.10.2 Response

The “getWalletResponse” message is the response from Payline to a virtual wallet data retrieval request. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful 02503: Wallet does not exist 01xxx: Transaction refused	N5	For a complete list see "Payline return codes and messages" in the appendix

Element	Description	Format	Example
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
wallet.walletId	The unique virtual wallet ID	AN50	
wallet.lastName	Your customer's surname.	AN100	
wallet.firstName	Your customer's first name.	AN100	
wallet.email	Your customer's email address.	AN150	
wallet.shippingAddress.name	Building name or number	AN100	
wallet.shippingAddress.street1	Street name	AN100	
wallet.shippingAddress.street2	2nd line of address	AN100	
wallet.shippingAddress.cityName	City/town	AN40	
wallet.shippingAddress.zipcode	Postcode	AN20	
wallet.shippingAddress.country	Country	AN2	
wallet.shippingAddress.phone	Telephone	AN15	
wallet.card.number	Hidden card number	N19	
wallet.card.type	Card type used for the transaction	AN40	
wallet.card.expirationDate	Card expiry date	N4	mmyy
wallet.card.cvx	empty field	N10	
wallet.card.ownerDateOfBirth	Cardholder's date of birth	N6	
wallet.card.password	Encrypted password	AN16	
wallet.card.cardholder	Cardholder	AN20	Pierre Dupont
wallet.card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
wallet.comment	Comments	AN255	
wallet.default	Card registered by default	A1	Y or N: Default card
isDisabled	Indicator that informs you whether the virtual wallet is active or inactive	N1	1 = Deactivated 0 = Activated
disableDate	Wallet deactivation date	AN14	Format : dd/mm/yy HH24 :MI
disableStatus	Reason for deactivating the wallet	AN3	EXP: expired OPP: stopped MAN: manual deactivation INT: internal rules
privateDataList	Information sent when the doWebPayment function is used		
owner.lastName	Cardholder's surname	AN30	Applicable only for AMEX
owner.firstName	Cardholder's first name	AN15	Applicable only for AMEX
owner.cardIssueDate	Card issue date	AN4	Format to follow: mm/yy. Applicable only for AMEX
owner.billingAddress.street	Cardholder's street name	AN20	Applicable only for AMEX
owner.billingAddress.cityName	Cardholder's city/town	AN40	Applicable only for AMEX
owner.billingAddress.zipcode	Cardholder's postcode	AN9	Applicable only for AMEX
owner.billingAddress.country	Cardholder's country	AN2	Applicable only for AMEX

Element	Description	Format	Example
extendedCard.country	Card country of issue	AN2	ISO code: example FR
extendedCard.isCvd	Is the card a Carte Bleue?	A1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

## 4.11 Web service - Disable Wallet

The “disableWallet” function is used to deactivate a virtual wallet.

Once a wallet has been deactivated, it is no longer possible to make payments through it.

### 4.11.1 Request

The “disableWalletRequest” request must have the following structure:

Element	Description	Required	Type	Example
contractNumber	The e-commerce contract No. used to create the wallet	Yes	AN50	
walletIdList.WalletId	The virtual wallet ID	Yes	AN50	
cardInd	In the case of a multiscard wallet, indicate the card index; otherwise the first card to be registered will be deactivated by default.	No	2	Card index, default value '01'

### 4.11.2 Response

The “disableWalletResponse” message is the response from Payline to a virtual wallet deactivation request. The response has the following structure:

Element	Description	Format	Example
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return.code	The web service return code 02500: Operation successful 02501: Operation successful with warning 02503: Wallet does not exist	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
walletIdList.WalletId	The virtual wallet ID	AN50	

## 4.12 Web service - Get Cards

The "getCards" function allows information to be retrieved from cards in a multiscard wallet.

### 4.12.1 Request

Element	Description	Required	Type	Example
walletId	The ID of the virtual multiscard wallet to be sent	Yes	AN50	
contractNumber	The payment contract number linked to the virtual wallet.	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value '01'

### 4.12.2 Response

Element	Description	Type	Example
return.code	The web service return code 02500: Operation successful 02503: Wallet does not exist	N5	If the wallet exists the return code sent will be "02500"
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
cardsList.cards.walletId	The unique virtual wallet ID	AN50	
cardsList.cards.lastName	Your customer's surname.	AN100	
cardsList.cards.firstName	Your customer's first name.	AN100	
cardsList.cards.email	Your customer's email address.	AN150	
cardsList.cards.shippingAddress.name	Building name or number	AN100	
cardsList.cards.shippingAddress.street1	Street name	AN100	



cardsList.cards.shippingAddress.street2	2nd line of address	AN100	
cardsList.cards.shippingAddress.cityName	City/town	AN40	
cardsList.cards.shippingAddress.zipcode	Postcode	AN20	
cardsList.cards.shippingAddress.country	Country	AN2	
cardsList.cards.shippingAddress.phone	Telephone	AN15	
cardsList.cards.card.number	Hidden card number	N19	
cardsList.cards.card.type	Card type used for the transaction	AN40	
cardsList.cards.card.expirationDate	Card expiry date	N4	mmyy
cardsList.cards.card.cvx	empty field	N10	
cardsList.cards.card.ownerDateOfBirth	Cardholder's date of birth	N6	
cardsList.cards.card.password	Encrypted password	AN16	
cardsList.cards.card.cardholder	Cardholder	AN20	Pierre Dupont
cardsList.cards.cardInd	Card index	N2	Default value '01'
cardsList.cards.comment	Comments	AN255	
cardsList.cards.isDisabled	Indicator that informs you whether the virtual wallet is active or inactive	N1	1 = Deactivated 0 = Activated
cardsList.cards.disableDate	Wallet deactivation date	AN14	Format : dd/mm/yy HH24 :MI
cardsList.cards.disableStatus	Reason for deactivating the wallet	AN3	EXP: expired OPP: stopped MAN: manual deactivation INT: internal rules
cardsList.cards.extendedCard.type	Registered card type	AN20	For example: CB
cardsList.cards.default	Card registered by default	A1	Y or N: Default card

## 4.13 Web service - Enable Wallet

The “enableWallet” function is used to activate the virtual wallet.

### 4.13.1 Request

The “enableWalletRequest” request will send the walletId field and the contractNumber to identify the wallet.

#### ■ REQUEST

Element	Description	Required	Type	Example
contractNumber	The e-commerce contract No. used to create the wallet	Yes	AN50	
walletId	The virtual wallet ID	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value '01'

### 4.13.2 Response

The “enableWalletResponse” message is the response from Payline to a virtual wallet activation request. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful 02503: Wallet does not exist	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	

## 4.14 Web service - Do Immediate Wallet Payment

The “doImmediateWalletPayment” function makes a virtual wallet payment.

With this function, you may use the payment in full (CPT) and deferred (DIF) payment methods. Payline will send return code 02308: payment method not accepted for other methods.

The response to your payment request is sent to you in real time (synchronous).

Payment will be refused in the following cases:

- The virtual wallet ID provided does not exist or is deactivated,
- The authorization request is refused,
- The payment method is not accepted.

### 4.14.1 Request

The “doImmediateWalletPaymentRequest” request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
payment.amount	The payment amount. The amount must be given in the smallest currency unit.	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the “Currency list” table in the appendix
payment.action	Payment function code	Yes	N3	100: authorization 110: authorization + validation
payment.mode	Choose between payment in full and deferred payment	Yes	AN3	CPT: Full DIF: Deferred
payment.contractNumber	The payment contract number which represents a payment method	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No 2	AN8	Format to follow: dd/mm/yy

Element	Description	Required	Type	Example
media	Detection of media used for payment The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	TV
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin	No	AN50	SVI_#12
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
walletId	The unique virtual wallet ID The ID that you sent when requesting a wallet to be created.	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	N2	Card index, default value '01'
privateDataList	Your private information that you wish to send	No		"privateData" table

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

## 4.14.2 Response

The “doImmediateWalletPaymentResponse” message is the response given by Payline to a wallet payment request. This will allow you to obtain the unique transaction number on Payline and the debit authorization number issued by your bank.

The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 01001: Transaction refused 02302: Transaction invalid 02503: Wallet does not exist 02505: Wallet is disabled 02308: Payment method invalid	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved.	N6	123456
authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI

## 4.15 Web service - Do Scheduled Wallet Payment

The “doScheduledWalletPayment” function registers a scheduled payment request and, on the desired date, performs a debit authorization request using the wallet data.

The payment record is defined by:

- The existing virtual wallet details
- Payment instalments: amount, currency, instalment date, status, etc.

The request will not be registered in the following cases:

- The virtual wallet ID provided does not exist or is deactivated,
- The desired payment date exceeds the expiry date of the payment method,
- The payment method is not accepted.

The payment will only be refused if the authorization request is refused.

Payline will inform you that your payment request is being processed through its notification function. The notification URL used is defined for your point of sale in the Merchant Administration Centre.

#### 4.15.1 Request

The “doScheduledWalletPaymentRequest” request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
payment.amount	The payment amount. The amount must be given in the smallest currency unit.	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the “Currency list” table in the appendix
payment.action	Payment function code	Yes	N3	201: Validation
payment.mode	You must enter the CPT value to register a scheduled payment.	Yes	AN3	
payment.contractNumber	The payment contract number which represents a payment method	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No 2	AN8	Format to follow: dd/mm/yy
media	Detection of media used for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	Internet

Element	Description	Required	Type	Example
orderRef	Order reference	No	AN50	
orderDate	Order date	No		dd/mm/yyyy hh:mm
scheduledDate	The desired date for the authorization request	Yes	AN10	Format to follow: dd/mm/yyyy
walletId	The unique virtual wallet ID The ID that you sent when requesting a wallet to be created.	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value '01'
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin	No	AN50	SVI_#12
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
privateDataList	Your personal information	No		"privateData" table

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

## 4.15.2 Response

The "doScheduledWalletPaymentResponse" message is the response given by Payline to a scheduled wallet payment request. It is used to obtain the registered payment record ID, among other things. The response has the following structure:

Element	Description	Format	Example
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return.code	The web service return code: 02500: Operation successful 02501: Operation successful with warning 02503: Wallet does not exist 02505: Wallet is disabled 02308: Payment method invalid	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short result message	AN50	
result.longMessage	Result message	AN255	
paymentRecordId	ID of the payment record created	N12	

## 4.16 Web service - Do Recurring Wallet Payment

The "doRecurringWalletPayment" function registers a payment record for automatic and recurring billing of your customer. Payline processes the instalments that come up on a daily basis and informs you of the result through the notification function.

The payment record is defined by:

- The existing virtual wallet details
- Payment instalments: amount, currency, instalment date, status, etc.

The payment record will not be registered in the following cases:

- The virtual wallet ID provided does not exist or is deactivated,
- The amount in the payment.amount field is not correct
- The payment method is not accepted.

If the expiry date of the bank card does not cover all the future payment dates, Payline will send you an alert using the 02506 return code.

A payment will only be refused if the authorization request is refused.

### 4.16.1 Request

The "doRecurringWalletPaymentRequest" request must have the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
payment.amount	The total payment amount. The amount must be the total of the requested instalments. It must be given in the smallest currency unit.	Yes	N12	For an amount of €60, you should enter a value of 6000.



Element	Description	Required	Type	Example
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
payment.action	Payment function code	Yes	N3	201: Validation
payment.mode	You must enter REC to make a recurring payment or NX to pay in N instalments.	Yes	AN3	REC: Recurring NX: n instalments
payment.contractNumber	The payment contract number which represents a payment method	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media	Detection of media used for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	TV
orderRef	Do not use			
orderDate	Do not use			
scheduledDate	The desired date for the authorization request	Yes	AN10	Format to follow: dd/mm/yyyy
walletId	The unique virtual wallet ID The ID that you sent when requesting a wallet to be created.	Yes	AN50	
cardInd	This field is mandatory if you use multiscard wallets	No	2	Card index, default value '01'
recurring.firstAmount	The first amount to be paid. It must be given in the smallest currency unit.	No	N12	For an amount of €100, you should enter a value of 10,000.
recurring.amount	The instalment amount It must be given in the smallest currency unit.	Yes	N12	For an amount of €5, you should enter a value of 500.
recurring.billingCycle	Payment frequency code	Yes	N2	20: monthly 40: quarterly For a complete list see the

Element	Description	Required	Type	Example
				"Payment frequency list" table in the appendix
recurring.startDate	Date of the first instalment. If this field is empty, Payline will put today's date in.	No	AN10	Format to follow: dd/mm/yyyy
recurring.billingLeft	Number of instalments	No	N3	3
recurring.billingDay	Day on which the instalments should be processed.	No	AN2	Format to follow: dd
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin	No	AN50	SVI_#12
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the merchant	Yes	AN16	Format to follow: dd/mm/yyyy HH24:MI
order.details	Details of articles ordered	No		"orderDetails" table
privateDataList	Your personal information	No		"privateData" table

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

## 4.16.2 Response

The "doRecurringWalletPaymentResponse" message is the response given by Payline to a scheduled wallet payment request. It is used to obtain the registered payment record ID, among other things. The response has the following structure:

Element	Description	Format	Example
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Element	Description	Format	Example
return.code	The web service return code: 02500: Operation successful 02501: Operation successful with warning 02502: This wallet ID already exists 02503: Wallet does not exist 02505: Wallet is disabled 02509: Invalid recurring option	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short result message	AN50	
result.longMessage	Result message	AN255	
paymentRecordId	ID of the payment record	N12	
billingRecordList.billingRecord.date	Instalment deadline	AN10	Format: dd/mm/yyyy
billingRecordList.billingRecord.amount	Instalment total in the smallest currency unit	N12	
billingRecordList.billingRecord.status	Instalment status: 0: future instalment. 1: instalment accepted. 2: instalment rejected.	AN1	
billingRecordList.billingRecord.return.code	Instalment processing return code  00000: Transaction approved 01xxx: Transaction refused 02302: Transaction invalid	N5	For a complete list see the "Return code list" table in the appendix
billingRecordList.billingRecord.result.shortMessage	Short transaction result message	AN50	
billingRecordList.billingRecord.result.longMessage	Transaction result message	AN255	
billingRecordList.billingRecord.transaction.id	Unique Payline transaction ID	AN50	
billingRecordList.billingRecord.transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecordList.billingRecord.transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecordList.billingRecord.transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
billingRecordList.billingRecord.authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456

Element	Description	Format	Example
billingRecordList.billingRecord.authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI

## 4.17 Web service - Get Payment Record

The "getPaymentRecord" function is used to get the information from a recurring payment record.

### 4.17.1 Request

The "getPaymentRecordRequest" request must only send the contractNumber and paymentRecordId elements given by Payline when the payment record was registered.

Element	Description	Required	Type	Example
contractNumber	The contract number used to create the payment record and virtual wallet.	Yes	AN50	
paymentRecordId	ID of the payment record	Yes	N12	12345

### 4.17.2 Response

The "getPaymentRecordResponse" is the response given by Payline to a payment record information request. It is used to obtain the associated instalment details for the payment record, among other things. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code:  02500: Operation successful 02507: Cannot find payment record	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short result message	AN50	
result.longMessage	Result message	AN255	
recurring.firstAmount	The first amount to be paid. It must be given in the smallest currency unit.	N12	For an amount of €100, you should enter a value of 10,000.
recurring.amount	The instalment amount It must be given in the smallest currency unit.	N12	For an amount of €5, you should enter a value of 500.
recurring.billingCycle	Payment frequency code	N2	20: monthly 40: quarterly

			For a complete list see the "Payment frequency list" table in the appendix
recurring.startDate	Date of the first instalment. If this field is empty, Payline will put today's date in.	AN10	Format: dd/mm/yyyy
recurring.billingLeft	Number of instalments	N3	3
recurring.billingDay	Day on which the instalments should be processed.	AN2	Format: dd
isDisabled	Payment record status 0: activated 1: deactivated	N1	
disableDate	The deactivation date of the payment record	AN14	Format: dd/mm/yy HH24:MI
billingRecord.date	Instalment deadline	AN10	Format: dd/mm/yyyy
billingRecord.amount	Instalment total in the smallest currency unit	N12	
billingRecord.status	Instalment status: 0: future instalment. 1: instalment accepted. 2: instalment rejected.	AN1	
billingRecord.return.code	Instalment processing return code 00000: Transaction approved 01xxx: Transaction refused 02302: Transaction invalid	N5	For a complete list see the "Return code list" table in the appendix
billingRecord.result.shortMessage	Short transaction result message	AN50	
billingRecord.result.longMessage	Transaction result message	AN255	
billingRecord.transaction.id	Unique Payline transaction ID	AN50	
billingRecord.transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecord.transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
billingRecord.transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
billingRecord.authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	123456
billingRecord.authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy

			HH24:MI
order	The associated order		
privateDataList	Your personal info		
walletId	ID of wallet used	AN50	

## 4.18 Web service - Disable Payment Record

The “disablePaymentRecord” function is used to deactivate a payment record.  
Once a payment record is disabled, its associated instalments will no longer be processed.

### 4.18.1 Request

The “disablePaymentRecordRequest” request must only send the contractNumber and paymentRecordId elements given by Payline when the payment record was registered.

#### ■ REQUEST

Element	Description	Required	Type	Example
contractNumber	The contract number used to create the payment record and virtual wallet.	Yes	AN50	
paymentRecordId	ID of the payment record	Yes	N12	12345

### 4.18.2 Response

The “disablePaymentRecordResponse” message is the response given by Payline to a payment record deactivation request. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 02500: Operation successful 02508: Cannot find payment record 02508: Payment is disabled	N5	For a complete list see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	

## 4.19 Web service - Transaction Search

The transaction search function is used to obtain a list of transactions that correspond to search criteria entered by the user.

## 4.19.1 Request

The “transactionSearchRequest” request is used to search for one or more transactions.  
The request has the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value “3”
transactionId	The transaction ID	No	AN50	
orderRef	The merchant's order reference.	Yes	AN50	
startDate	Start date of the transaction search period.	Yes	Date7	22/01/2010
endDate	End date of the transaction search period. Must be the same as startDate	Yes	Date7	22/01/2010
contractNumber	The transaction's associated contract number	No	AN50	
authorizationNumber	Transaction authorization number	No	AN6	
returnCode	Return code sent to the user	No	AN5	
paymentMethod	The payment method used	No	AN3	
transactionType	The type of transaction	No	N3	
lastName	The buyer's surname	No	AN100	
firstName	The buyer's first name	No	AN100	
email	The buyer's email address	No	AN150	
cardNumber	The card number used for the transaction	No	AN20	
token	Card number alias	No <sup>1</sup>	AN19	1111gPNzHtyu4444
currency	The code for the currency used for the transaction	No	N3	
minAmount	The minimum transaction amount	No	N12	
maxAmount	The maximum transaction amount	No	N12	
walletId	The wallet ID used for the transaction	No	AN50	
sequenceNumber	The transaction sequence number	No	AN50	

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

## 4.19.2 Response

The “transactionSearchResponse” message is the response received following a transaction search request. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code	N5	For a complete list

	02500: Operation successful		see "Payline return codes and messages" in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transactionsList	The list of transactions that correspond to the search criteria		Transaction object list

For each transaction:

Element	Comment	Required	Format	Example
transactionId	ID of associated transaction	No	AN50	
date	Date of associated transaction	No	AN16	Format: yyyy-dd-mm hh:mm:ss
isDuplicated	This indicator is sent by Payline when a transaction is duplicated	No	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	No	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk

## 4.20 Web service - Get Transaction Details

The "getTransactionDetails" function is used to obtain the details of a payment transaction whatever its status.

### 4.20.1 Request

The "getTransactionDetailsRequest" message is used to search for details of a payment transaction.

The request has the following structure:

Element	Description	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
transactionId	The transaction ID sent by Payline	Yes	AN50	
orderRef	The merchant's order reference.	No	AN50	
startDate	Start date of the transaction search period.	No 2	Date7	22/01/2010
endDate	End date of the transaction search period.	No 2	Date7	22/01/2010
transactionHistory	This indicator is used to retrieve the list of	No	A1	This functional is optional



	associated payments and a status history for a given transaction			<p>The possible values are:</p> <ul style="list-style-type: none"> <li>- Y: displays the status history</li> <li>- N: no status history</li> <li>- Null or not entered: no status history</li> </ul>
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<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - We recommend using the startDate and endDate fields to optimise the response time

## 4.20.2 Response

The message "getTransactionDetailsResponse" includes:

Element	Description	Format	Example
return.code	The web service return code 02500: Operation successful	N5	For a complete list see "Payline return codes and messages" in the appendix
result.ShortMessage	Short transaction result message	AN50	
result.LongMessage	Transaction result message	AN255	
transaction.id	The transaction ID sent by Payline	AN50	
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.IsPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.threeDSecure	This indicator shows whether the transaction is 3DSecure or not.	AN1	Y = Transaction 3DS N = Transaction not 3DS
payment.amount	The payment amount. The amount must be given in the smallest currency unit.	N12	
payment.currency	Payment currency code	N3	
payment.action	Payment function code	N3	
payment.mode	You must enter the CPT value to register a scheduled payment.	AN3	
payment.contractNumber	The payment contract number which represents a payment method	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	AN81	

Element	Description	Format	Example
media <sup>1</sup>	<p>Detection of media used for payment</p> <p>The possible values for this tag are:</p> <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	AN25	Internet
authorization.number	The authorization number issued by the bank's authorization server. This field will be filled in if the authorization request is approved*.	N6	
authorization.date	Date and time of the authorization	AN16	Format: dd/mm/yyyy HH24:MI
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	AN50	
order.origin	Order origin	AN50	
order.country	The code for the country in which the order was placed.	AN3	
order.taxes	The amount of tax added to the order in the smallest currency unit.	N12	
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	N12	
order.currency	Code of currency used for order.	N3	
order.date	The date the order was placed with the merchant	AN16	
order.details	Details of articles ordered		
buyer.lastName	Buyer's surname	AN100	
buyer.firstName	Buyer's first name	AN100	
buyer.email	Buyer's email address	AN150	
buyer.shippingAddress.name	Building name or number	AN100	
buyer.shippingAddress.street1	Street name	AN100	
buyer.shippingAddress.street2	2nd line of address	AN100	
buyer.shippingAddress.cityName	City/town	AN40	
buyer.shippingAddress.zipcode	Postcode	AN20	
buyer.shippingAddress.country	Country	AN2	ISO 3166-1
buyer.shippingAddress.phone	Telephone	AN15	
buyer.accountCreateDate	Date the buyer's account was created	AN8	
buyer.accountAverageAmount	Average buyer amount	N10	
buyer.accountOrderCount	This buyer's order number	N10	
buyer.walletId	The customer's virtual wallet ID	AN50	

Element	Description	Format	Example
privateDataList	The merchant's personal details.	N50	
card.number	The hidden card number complies with PCI DSS		111122XXXXXX4444
card.type	Card type: Visa card, Gold Visa	AN50	
card.expirationDate	Expiry date		0311
card.token <sup>1</sup>	Card number alias	AN19	1111gPNzHtyu4444
extendedcard.country	Card country of issue	2	ISO code: example FR
extendedcard.isCvd	Is the card a Carte Bleue?	N1	Y or N
extendedCard.bank	The bank of the card used for payment	AN	Crédit Lyonnais
extendedCard.type	Payment card type	AN20	MASTERCARD
extendedCard.network	Indicates that the card is attached to an entity managing card acceptance at national or international level	AN20	MASTERCARD
extendedCard.product	Indicates the category to which the card type belongs	AN	Gold/Premier for a VISA card
associatedTransactionsList	Associated transactions table		associatedTransactions type object table This functional is optional
statusHistoryList	Transaction status history table		statusHistory type object table This functional is optional

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

For each associated transaction (associatedTransactions):

Element	Comment	Required	Format	Example
transactionId	ID of associated transaction	No	AN50	
type	Associated transaction type	No	AN20	List of possible values: AUTHOR CAPTURE RESET REFUND CREDIT AUTHOR+CAP ORDER REAUTH+CAP DEBIT CHEQUE SCORING MICROVALID REAUTHO MICRORESET
date	Date of associated transaction	No	AN16	Format: yyyy-dd-mm hh:mm:ss

amount	Associated transaction amount	No	N12	
status	Associated transaction status	No	AN2	OK or Not OK
originTransactionId	Original associated transaction ID	No	AN50	

For each transaction status (statusHistory):

Element	Comment	Required	Format	Example
transactionId	Archived transaction ID	No	AN50	
date	Archived transaction date	No	AN16	Format: yyyy-dd-mm hh:mm:ss
amount	Archived transaction amount	No	N12	
fees	Amount of archived fees	No	AN2	OK or Not OK
status	Archived transaction status	No	AN2	OK or Not OK
originTransactionId	Original archived transaction ID	No	AN50	

## 4.21 Web service - VerifyEnrolment

This Web service allows the merchant to check that the buyer's card is compatible with 3DSecure.

### 4.21.1 Request

The "verifyEnrolmentRequest" message must have the following structure:

Element	Comment	Required	Type	Example
payment.amount	The payment amount. The amount must be given in the smallest currency unit.	Yes	N12	For an amount of €60, you should enter a value of 6000.
payment.currency	Payment currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
payment.action	Payment function code	Yes	N3	100: Authorization 101: Authorization + validation
payment.mode	CPT method	Yes	AN3	CPT: Full
payment.contractNumber	The payment contract number which represents a payment method	Yes	AN50	

Element	Comment	Required	Type	Example
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>1</sup>	AN8	Format to follow: dd/mm/yy
card.encryptionKeyId	Payline RSA encryption key ID	No	N4	If these fields are filled in then card data must be null
card.encryptedData	Encrypted card data	No	Base64	If these fields are filled in then card data must be null
card.number	Card number	Yes	N19	
card.type	Card type used for the transaction	Yes	AN40	CB: Carte Bleue / VISA / MasterCard VISA: Visa MASTERCARD: MasterCard
card.expirationDate	Card expiry date	No <sup>3</sup>	N4	Format to follow: mmyy
card.cvx	Card security code on the back of the credit card	No <sup>3</sup>	N10	
card.ownerDateOfBirth	Cardholder's date of birth	No <sup>3</sup>	N6	Format to follow: ddmmyy
card.password	Encrypted password	No <sup>3</sup>	AN16	
orderRef	Order reference.	Yes	AN50	12345678
mdFieldValue	merchantData value (This value must be unique). Use of this field is not recommended.	No	AN20	E.g.: OS0hZDbJH75NiDrAo0yo
UserAgent	Payment terminal UserAgent To know the origin of the payment request This value is specific to PayFair@POS	No	AN255	

## 4.21.2 Response

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 023xx: Invalid transaction 01xxx: Transaction refused 021xx: Internal error	N5	For a complete list see the "Payline return codes and messages" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
actionUrl	ACS URL	AN255	
actionMethod	Sending method. Either POST or GET is returned. Post by default.	AN255	
pareqFieldName	The "PaReq to post" field name	AN5	

pareqFieldValue	Gives the PaReq field value	AN100 to 400	
termurlFieldName	Gives the "TermUrl to post" field name	AN50	
termurlFieldValue	Gives the "TermUrl" field value	AN255	
mdFieldName	Gives the "MD field" field name	AN50	
mdFieldValue	Gives the "MD field" field value to post	AN20	
mpiResult	Gives an indicator relating to the enrolment result	A1	Y = Enrolment successful N = Enrolment failed U = Enrolment unavailable
authentication3DSecure.md	Gives the "MD field" field value to post	AN20	Same value as mdFieldValue
authentication3DSecure.xid	Unique transaction ID	AN20	Do not use, obsolete field
authentication3DSecure.cavv	Cardholder Authentication Verification Value	AN26-28	Do not use, obsolete field
authentication3DSecure.cavvAlgorithm	Positive integer specifying the formula used for CAVV generation. Possible values are: 0 = HMAC (SET™ TransStain), 1 = CVV, 2 = CVV with ATN, 3 = MasterCard AAV	N1	Do not use, obsolete field
authentication3DSecure.vadsResult	Summary of 3DSecure operations	AN8	Do not use, obsolete field
authentication3DSecure.securityType	Gives the security type value	N2	Do not use, obsolete field
authentication3DSecure.eci	Electronic Commerce Indicator.	AN2	Do not use, obsolete field

## 4.22 Web service - doChequeScoring

This Web Service allows the merchant to verify the validity of a bank cheque.

### 4.22.1 Request

The "doChequeScoringRequest" message must have the following structure:

Element	Comment	Required	Type	Example
version	Payline web services version Required since 2011	Yes <sup>1</sup>	N1	Enter the value "3"
payment.amount	The amount of the cheque. The amount must be given in the smallest currency unit.	Yes	N12	For an amount of €60, you should enter a value of

Element	Comment	Required	Type	Example
				6000.
payment.currency	Payment ISO currency code	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
payment.action	Payment function code	Yes	N3	100: Authorization
payment.mode	CPT method	Yes	AN3	CPT: Full
payment.contractNumber	The payment contract number which represents a payment method	Yes	AN50	
payment.deferredActionDate	Date of the action. It must be earlier than today's date + 7 days.	No <sup>2</sup>	AN8	Format to follow: dd/mm/yy
media	Detection of media used for payment  The possible values for this tag are: <ul style="list-style-type: none"> <li>- Internet</li> <li>- Mobile</li> <li>- Tablet</li> <li>- TV</li> <li>- Console</li> <li>- Undefined</li> </ul>	No <sup>1</sup>	AN25	Mobile
cheque.number	Cheque number	Yes	N35	
order.ref	Order reference. This reference must be unique because it will be used to check for duplicate orders.	Yes	AN50	12345678
order.origin	Order origin (used only if you have registered for the Mail Order and Telephone Order option)	No <sup>3</sup>	AN50	SVI_#12
order.country	The code for the country in which the order was placed.	No	AN3	FR
order.taxes	The amount of tax added to the order in the smallest currency unit.	No	N12	For an amount of €60, you should enter a value of 6000.
order.amount	Order total in the smallest currency unit Generally the same as the payment.amount	Yes	N12	For an amount of €60, you should enter a value of 6000.
order.currency	Code of currency used for order.	Yes	N3	978: euros 840: US dollars For a complete list see the "Currency list" table in the appendix
order.date	The date the order was placed with the	Yes	AN16	Format to follow:

Element	Comment	Required	Type	Example
	merchant			dd/mm/yyyy HH24:MI
privateDataList	Private data	No		"privateData" table

<sup>1</sup> - Update delivered October 2012, in Payline version V4.31.

<sup>2</sup> - When payment.mode has the value "DIF", the payment.deferredActionDate date is mandatory. For other methods of payment this field should be empty.

<sup>3</sup> - If you have registered for the Mail Order and Telephone Order MO TO option and it is activated, then the value of order.origin will be "MO" or "TO".

For all private data (privateData):

Element	Comment	Required	Format	Example
key	The key allows you to filter your transactions	Yes	AN50	User
value	Value associated with the key	Yes	AN50	dupond or durand, etc.

## 4.22.2 Response

The "doChequeScoringResponse" message is the response made by Payline to a chequeScoring request. This will allow you to obtain the unique transaction number on Payline and the cheque's validity amongst other things. The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 014xx: Invalid cheque 02101: Internal error	N5	For a complete list see the "Return code list" table in the appendix
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
transaction.id	Unique Payline transaction ID	AN50	
transaction.isPossibleFraud	This indicator is calculated according to the criteria defined by the merchant.	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.isDuplicated	This indicator is sent by Payline when a transaction is duplicated	AN1	1 = There is a risk of fraud 0 = There is no detected fraud risk
transaction.date	Payline transaction date and time	AN16	Format: dd/mm/yyyy HH24:MI



Element	Description	Format	Example
return.code	The web service return code: 00000: Transaction approved 014xx: Invalid cheque 02101: Internal error	N5	For a complete list see the "Return code list" table in the appendix
transaction.fraudResult	Fraud code	AN50	
transaction.explanation	Refusal reason in case of fraud	AN50	
transaction.score	Fraud scoring possibility	N5	Score from 0 to 10
chequeScoring.chequeNumber	Number of cheque to validate	N35	
chequeScoring.terminalId	Payment terminal ID	N3	E.g.: 001
chequeScoring.additionalPrivateData	Colour code showing the cheque's validity	AN 50	"Private data codes" table

#### Private data codes table for chequeScoring:

Colour code	Description	Corresponding return code
GREEN	The cheque has not been stopped	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
ORANGE	Warning on the account	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
RED	Irregular cheque	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
WHITE	Cheque not referenced	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
SUBSCRIBER REFUSED	Subscriber refused	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
CALL IMPOSSIBLE	Call impossible	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
CHEQUE ERROR	Cheque error	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix
INCORRECT IDC	Incorrect IDC	For a complete list see the "Return codes and messages linked to Cheques" table in the appendix

## 4.23 Web service - get Encryption Key

This web service provides the public encryption key for the card data. The encryption is done using the asymmetric RSA formula.

### 4.23.1 Request

No elements needed.

### 4.23.2 Response

The response has the following structure:

Element	Description	Format	Example
return.code	The web service return code 00000: Operation successful	N5	
result.shortMessage	Short transaction result message	AN50	
result.longMessage	Transaction result message	AN255	
key.keyId	Key ID	N4	
key.modulus	Key modulus	Base64	
key.publicExponent	Key public exponent	Base64	
key.expirationDate	Key expiry date	AN10	Format: DD/MM/YYYY

If you use the getEncryptionKey web service then you must apply a modification to the following web services:

The following WS are affected:

- doAuthorization
- doCredit
- doDebit
- createWallet
- updateWallet
- verifyEnrolment
- verifyAuthentication

The modifications of the "card" structure of the request are highlighted in blue:

Element	Comment	Required	Type	Example
card.encryptionKeyId	Payline RSA encryption key ID	No	N4	
card.encryptedData	Encrypted card data	No	Base64	
card.number	Card number	No	N19	
card.type	Card type used for the transaction	Yes	AN40	CB: Carte Bleue / VISA /

Element	Comment	Required	Type	Example
				MasterCard VISA: Visa MASTERCARD: MasterCard
card.expirationDate	Card expiry date	No	N4	Format to follow: mmyy
card.cvx	Card security code on the back of the credit card	No	N10	
card.ownerDateOfBirth	Cardholder's date of birth	No	N6	Format to follow: ddmmyy
card.password	Encrypted password	No	AN16	

If the "encryptedData" field is not null then the following fields must be empty:

- card.number
- card.expirationDate
- card.CVX
- card.ownerDateOfBirth
- card.password

The "encryptionKeyId" and "encryptedData" fields are both either null or not null.

## 4.24 Web service - get Merchant Setting

This web service is used to retrieve all data concerning all payment methods.

### 4.24.1 getMerchantSettingsRequest message

No elements needed.

### 4.24.2 getMerchantSettingsResponse message

Element	Type	Comment
result	A Result type object	Information on the request processing
listPointOfSale	A PointOfSale type object list	Information on points of sale. Each point of sale will contain the list of associated payment methods (contract type object list)

For each point of sale (pointOfSale):

Element	Comment	Format	Example
siret	Siret number	AN14	87567125800016
MCCcode	The <b>Merchant Category Code</b> or MCC <a href="#">code</a> is used in <a href="#">e-payments</a> to indicate the type of merchant at the origin of a bank card operation.	AN4	7995
label	Point of sale name	AN100	Ma boutique
webmasterEmail	Webmaster's email	AN150	Pierre.dupont@maboutique.fr
webstoreURL	webstore URL	AN255	http://maboutique.fr
notificationURL	URL notification	AN255	http://maboutique.fr/notification
endOfPaymentRedirection	Automatic return to the store	Boolean	true = automatic return enabled false = automatic return disabled
receiptSend	Receipt		receiptSend type object
contracts	List of associated payment methods		Contract type object table

Receipt (receiptSend):

Element	Comment	Format	Example
toBuyer	Receipt sent to buyer	Boolean	false
toMerchant	Receipt sent to merchant	Boolean	true

For each associated payment method (contract):

Element	Comment	Format	Example
cardType	Contract type.	AN	<a href="#">BUYSTER</a>
label	Mail order contract name	AN	Buyster contract
contractNumber	Mail order contract number	AN	BUYSTER
currency	Currency	AN	978 (Euro)
description	Description of payment method	AN255	
logoEnable	Availability of logo for this payment method	Boolean	True: available False: unavailable
smallLogoMime	small logo mime type	AN20	image/png
smallLogo	Small logo of payment method encrypted in base64 format	AN255	
normalLogoMime	Large logo mime type	AN20	image/png
normalLogo	Large logo of payment method encrypted in base64 format	AN255	
contribution	Fee applicable to payment method	AN255	Contribution type object This functional is optional

Fee applicable to payment method (contribution):

Element	Comment	Format	Example
enable	Receipt sent to buyer	Boolean	False
type	Type of fee to apply	AN1	- P: percentage of amount to add - D: percentage of amount to deduct
value	Percentage of amount	AN10	0
nbFreeTransaction	Number of payment without contribution to fee	AN20	0
minAmountTransaction	Minimum acceptable amount for transaction	AN30	5
maxAmountTransaction	Maximum acceptable amount for transaction	AN30	750

## 5 Receipt

It is advisable to present the customer with a receipt similar to a traditional receipt given in a shop. The table below specifies the format recommended by the Carte Bancaire CB bank card group.

Field name	MMI component	Values	Default value	Format	Comment
	Text	Payment method used	BANK CARD	always in capitals	Payment method
ON	Text		Date	dd/mm/yy	Transaction date
AT	Text		Time	hh/mm/ss	Transaction time
	Text		Brand name	3 lines of 20 char.	Merchant brand name
	Text		Contract N°		Contract N°, acceptor ID or merchant SIRET N°.
	Text		DEBIT		Transaction type
	Text		Cardholder N°		Hidden cardholder number
	Text			3 + 4 + 14	Terminal ID + acceptor ID + Payline transaction n°
	Text		MANUAL INPUT		Cardholder number reading mode
	Text	@			@ for authorization empty if not authorized
AUTH No.:	Text			6 + MAN	Transaction authorization n° (leave blank if not given). "MAN" indicates manual entry.
AMOUNT	Text			Value in line below	Transaction amount + alphabetical currency code
	Text		CARDHOLDER RECEIPT		To be edited.

## 6 Return to store

Payment with bank card - expected result:

	Automatic return to store		Return to store using button	
	Payment OK	Payment Not OK	Payment OK	Payment Not OK
CPT	Return	Return	Return	Cancel
DIF	Return	Return	Return	Cancel
REC	Return	Return	Return	Cancel
NX	Return	Return	Return	Cancel

### Payment with wallet: Principle

Carry out a doWebPayment entering an existing wallet in walletId. Use the wallet to make the transaction.

For Not OK payment by wallet: carry out a doWebPayment with amount 33305 and use the wallet to make the payment.

### Payment with wallet result obtained:

	Automatic return to store		Return to store using button	
	Payment OK	Payment Not OK	Payment OK	Payment Not OK
CPT	Return	Return	Return	Cancel
DIF	Return	Return	Return	Cancel
REC	Return	Return	Return	Cancel
NX	Return	Return	Return	Cancel

## 7 Appendices

However the Payline solution is used: in direct interface mode, webpayment, VT receipt, batch interface or via the Administration Centre, you will find the list of codes and messages in this appendix.

### 7.1 Payline return codes and messages for using bank cards

The table below lists all the Payline return messages and codes and their recipient.

The following codes and messages will be sent using the Result object:

Return code	Short message	Long message	Recipient	Comment
00000	Transaction approved	Transaction approved	All	
01001	Transaction approved	Transaction approved but requires verification by merchant	Merchant	
01100	Transaction refused	Do not honour	Buyer	
01101	Transaction refused	Card expired	Buyer	
01103	Transaction refused	Contact your bank for authorization	Buyer	
01108	Transaction refused	Contact your bank for special conditions	Buyer	
01109	Transaction refused	Invalid merchant	Merchant	When the bank does not know contract number given in request or when the merchant service has wrong settings
01110	Transaction refused	Invalid amount	Merchant	
01111	Transaction refused	Invalid card number	Buyer	
01113	Transaction refused	Expenses not accepted	Buyer	
01114	Transaction refused	This account does not exist	Merchant	
01115	Transaction refused	This function does not exist	Merchant	If you are not authorized to use an option, call support to modify "subscribe option" setting
01116	Transaction refused	Amount limit	Merchant	
01117	Transaction refused	Invalid PIN code	Buyer	
01118	Transaction refused	Card not registered	Buyer	
01119	Transaction refused	This transaction is not authorized	Buyer	
01120	Transaction refused	Transaction refused by terminal	Buyer	



Return code	Short message	Long message	Recipient	Comment
01121	Transaction refused	Debit limit exceeded	Merchant	
01122	Transaction refused	Security violation	Merchant	
01123	Transaction refused	Debit transaction frequency exceeded	Merchant	
01125	Transaction refused	Inactive card	Merchant	
01126	Transaction refused	Invalid PIN format	Merchant	
01127	Transaction refused	Invalid PIN format	Merchant	
01128	Transaction refused	Invalid ctrl PIN key	Merchant	
01129	Transaction refused	Counterfeit suspected	Merchant	
01130	Transaction refused	Invalid cvv2	Buyer	
01180	Transaction refused	Invalid bank	Merchant	
01181	Transaction refused	Invalid currency	Merchant	Check your settings, you are not authorized with this currency
01182	Transaction refused	Invalid currency conversion	Merchant	When conversion rate isn't found
01183	Transaction refused	Max amount exceeded	Merchant	
01184	Transaction refused	Max uses exceeded	Merchant	
01197	Transaction refused	Connection error between Payline and bank	Merchant	
01198	Transaction refused	No communication with bank	Merchant	
01199	Transaction refused	GTM Internal error	Merchant	Error returned by the bank, no response from the provider server.
01200	Transaction refused	Do not honour	Buyer	
01201	Transaction refused	Card expired	Buyer	
01202	Transaction refused	Fraud suspected	Merchant	
01206	Transaction refused	Maximum No. of attempts reached	Buyer	
01207	Transaction refused	Special condition	Merchant	
01208	Transaction refused	Card lost	Buyer	
01209	Transaction refused	Card stolen	Buyer	
01280	Transaction refused	Card BIN not authorized	Merchant	
01902	Transaction refused	Invalid transaction	Merchant	Error returned by the bank, the transaction can't be processed.
01904	Transaction refused	Bad request format	Merchant	Error returned by Payline, the transaction format received by Payline front is not available.
01907	Transaction refused	Card provider server error	Merchant	Error returned by the bank because the provider server is down
01909	Transaction refused	Bank server internal error	Merchant	

Return code	Short message	Long message	Recipient	Comment
01912	Transaction refused	Card provider server unknown or unavailable	Merchant	
01913	Transaction refused	Transaction already exists	Merchant	
01914	Transaction refused	Transaction refused	Merchant	Error returned by Payline; during the processing of a payment or a reset the initial authorization can't be found.
01915	Transaction refused	Transaction is refused	All	
01917	Transaction refused	Transaction is refused	Merchant	
01940	Transaction refused	Bank server unavailable	Merchant	error returned by Payline because no response received from the bank
01941	Transaction refused	Bank server communication error	Merchant	error returned by Payline, this code is never returned
01942	Transaction refused	Invalid bank server return code	Merchant	error returned by Payline, the bank server return code is unknown
01943	Transaction refused	Invalid format for bank server response	Merchant	error returned by Payline, the bank server returned and unavailable response format transaction.
02101	Internal error	Internal error	Merchant	when the PSP Payline is disturbed
02102	Transaction refused	External server communication error	Merchant	when the PSP Payline cannot reach the bank
02103	Transaction refused	Connection timeout, please try later	Merchant	when connection time is over 25 seconds
02110	Transaction refused	The amount is invalid	Buyer	
02201	Transaction refused	the encryption key sought does not exist using getEncryptionKey web service	Merchant	
02202	Transaction refused	the encryption key used is out of date using getEncryptionKey web service	Merchant	
02301	Invalid transaction	Transaction ID is invalid.	Merchant	when transactionId does not exist in PSP Payline
02302	Invalid transaction	Transaction is invalid.	Buyer	when capture isn't possible since the reauthorization capture period is passed.
02303	Invalid transaction	Invalid contract number.	Merchant	when contract number given in request does not exist or is not appropriate

Return code	Short message	Long message	Recipient	Comment
02304	Invalid transaction	No transaction found for this token	Merchant	webpayment pages, the buyer has not cancelled or time exceeded (15 minutes)
02305	Invalid transaction	Invalid field format	Merchant	when parameters given in request are incorrectly formatted like date format for example
02306	Operation refused	token is still valid	Merchant	the result is given after getWebPaymentDetails
02307	Invalid transaction	Invalid custom page code	Merchant	When custom Page Code given in request does not exist in Payline.
02308	Operation refused	Invalid value for payment method	Merchant	when payment method given in request can't be used for the web service.
02309	Operation refused	CustomPaymentPageCode is inactive	Merchant	
02310	No transaction found	No transaction matches search criteria	Merchant	
02311	Too many results	Too many transactions match search criteria	Merchant	
02312	Operation refused	Search criteria are invalid	Merchant	
02313	Operation refused	Transaction flag capturable is disabled	Merchant	
02314	Operation refused	Transaction flag refundable is disabled	Merchant	
02315	Operation refused	A merchant is already logged on with this company name. If there is a problem, contact Support	Merchant	
02316	Operation refused	The commercial offer does not exist for this distributor. If there is a problem, contact Support	Merchant	
02317	Invalid transaction	This token does not exist	Merchant	EITHER This token was never sent by Payline or session expired
02318	Invalid transaction	This token does not exist, please check your primary/secondary endpoints	Merchant	In case of switch over to secondary site
02319	Invalid transaction	Payment cancelled by the buyer	Buyer	In webPayment, the buyer clicked on the cancel Button
02320	Operation refused	The search time period is too long	Merchant	
02321	Operation refused	Invalid value for payment action	Merchant	

Return code	Short message	Long message	Recipient	Comment
02322	Invalid transaction	Invalid cardholder name	Merchant	

## 7.2 Return codes and messages linked to CHEQUES

Return code	Short message	Long message	Recipient	Corresponding private data codes
00000	Transaction approved	Transaction approved	All	GREEN
01401	Transaction refused	(Temporary) stop on the account	Merchant	ORANGE
01402	Transaction refused	Irregular cheque	Merchant	RED
01403	Transaction refused	Cheque not referenced	Merchant	WHITE
01404	Transaction refused	Wrong subscriber number (IDCF)	Merchant	SUBSCRIBER REFUSED (WHITE)
01405	Transaction refused	FNCI Error server	Merchant	CALL IMPOSSIBLE (WHITE)
01406	Transaction refused	Incorrect CMC7	Merchant	CHEQUE ERROR (WHITE)
01407	Transaction refused	Incorrect IDC number	Merchant	INCORRECT IDC (WHITE)
01430	Transaction refused	Incorrect cheque number	Merchant	

## 7.3 Return codes and messages linked to WALLETS

Return code	Short message	Long message	Recipient
02500	Operation successful	Operation successful	All
02501	Operation successful with warning	Operation successful but wallet will expire	Merchant
02502	Operation refused	This wallet ID already exists	Merchant
02503	Operation refused	Wallet does not exist	Merchant
02504	Operation refused	Cannot update lastName and firstName	Buyer
02505	Operation refused	Wallet is disabled	Merchant
02506	Operation refused	Wallet cannot operate on scheduled date	Merchant
02507	Operation refused	Cannot find payment record	Merchant
02508	Operation refused	Payment record is disabled	Merchant
02509	Operation refused	Invalid recurring option	Merchant
02510	Operation refused	Cannot find payment record	Merchant
02511	Operation refused	Wallet is not supported for this card	Merchant
02512	Operation refused	lastName and firstName required for wallet	Buyer
02513	Operation refused	Wallet ID required for wallet	Merchant
02514	Too many private data	Private data number is limited to 99	Merchant
02515	Operation refused	Must choose the data to update	Merchant
02516	Operation refused	Cannot disable the wallet(s)	Merchant

02517	Operation successful with warning	Cannot disable some wallet(s)	Merchant
02518	Invalid transaction	Invalid card index	Merchant
02519	Operation refused	Cannot enable the wallet(s)	Merchant
02520	Operation successful with warning	Cannot enable some wallet(s)	Merchant
02521	Operation refused	Card already exists in this wallet	Buyer
02522	Operation refused	Amex recurring invalid field	Merchant
02523	Operation refused	Amex one click invalid field	Merchant
02524	Operation refused	Amex one click invalid field	Merchant
02525	Operation refused	Amex one click not allowed	Merchant
02526	Operation refused	Amex one click capture amount invalid	Merchant
02527	Operation refused	Invalid control option	Merchant
		SelectedContractList must be filled in with only one contract	Merchant
02528	Operation refused	Information must reference the same contract	Merchant
02529	Operation refused	eMoneo not allowed	Merchant
02530	Operation refused	Leechi not allowed	Merchant
02531	Operation refused	The consumer is not redirected to payment web pages	Merchant
02532	Operation in progress	The consumer is not redirected to payment web pages and session has expired	Merchant
02533	Operation refused	The session expired before the operation on the wallet	Merchant
02534	Operation refused		
02535	Operation refused	The consumer has cancelled the operation	Merchant

## 7.4 Return codes and messages for the transaction reset and replay function (reauthorization)

Return code	Short message	Long message	Recipient
02600	Transaction refused	Reset is not supported for transaction type	Merchant
02601	Transaction refused	Reset already done	Merchant
02602	Transaction refused	Authorization has already expired	Merchant
02603	Transaction refused	Authorization cannot be reset	Merchant
02604	Transaction refused	This transaction does not exist	Merchant
02615	Transaction refused	Virtual card denied	Buyer
02616	Transaction accepted	Error while creating the wallet If the option "do not create wallet" with E-CB is enabled then when we try to do a payment including wallet creation with E-CB, the payment will be accepted but the wallet creation will be not done.	Buyer and Merchant

02617	Transaction refused	The transaction is already captured Using doReset or doRefund ws	Merchant
02618	Transaction refused	The transaction is not yet captured Using doReset or doRefund ws	Merchant
02619	Transaction refused	You don't have the reauthorization option Using doReauthorization ws	Merchant
02620	Transaction refused	Currency must be the same as the original authorization Using doReauthorization ws	Merchant
02621	Transaction refused	Operation not allowed on this site Using doReauthorization ws	Merchant

## 7.5 Return codes and messages linked to using Paypal

Return code	Short message	Long message	Recipient
100xx	Transaction refused	Paypal authentication failed. See more details in Payline administration centre	Merchant
101xx	Transaction refused	Paypal internal error. See more details in Payline administration centre	Merchant
102xx	Transaction refused	Paypal internal error. See more details in Payline administration centre	Merchant
103xx	Transaction refused	Paypal internal error. See more details in Payline administration centre	Merchant
104xx	Transaction refused	Paypal bank server error. See more details in Payline administration centre	Merchant
105xx	Transaction refused	Paypal fraud suspected. See more details in Payline administration centre	Merchant
106xx	Transaction refused	Paypal authorization or capture refused. See more details in Payline administration centre	Merchant
107xx	Transaction refused	Paypal address verification failed. See more details in Payline administration centre	Merchant

## 7.6 Return codes and messages linked to web service connection

Return code	Short message	Long message	Recipient
09101	Authentication failed	User name/Password is incorrect	Merchant
09102	Authentication failed	Account is locked or inactive	Merchant
09104	Authentication failed	Customer certificate is disabled	Merchant
09201	Access refused	You do not have permissions to make this API call	Merchant

## 7.7 Return codes and messages linked to using Ideal

Return code	Short message	Long message	Recipient
05000	Received XML not valid	Invalid Ideal XML. See more details in Payline administration centre	Merchant
05001	Encoding type not UTF-8	Incorrect Ideal encoding. See more details in Payline administration centre	Merchant
05002	XML version number invalid	Invalid Ideal XML version. See more details in Payline administration centre	Merchant
05003	Mandatory value missing	Unreadable Ideal XML. See more details in Payline administration centre	Merchant
05100	Failure in system	Ideal system failure. See more details in Payline administration centre	Merchant
05101	System busy. Try again later	New Ideal requests are no longer being accepted but requests already submitted will be dealt with (until a certain time). See more details in Payline administration centre	Merchant
05102	Unavailable due to maintenance	Ideal system maintenance. See more details in Payline administration centre	Merchant
05200	Authentication error	Incorrect Ideal authentication. See more details in Payline administration centre	Merchant
05201	Authentication method not supported	Incorrect Ideal authentication methods. See more details in Payline administration centre	Merchant
05202	Invalid electronic signature	Expired Ideal certificates. See more details in Payline administration centre	Merchant
05300	IDEAL version number invalid	Ideal field error. See more details in Payline administration centre	Merchant
05301	Value contains non-permitted character	Ideal field error. See more details in Payline administration centre	Merchant
05302	Value too long	Ideal field error. See more details in Payline administration centre	Merchant
05303	Value too short	Ideal field error. See more details in Payline administration centre	Merchant
05304	Invalid date/time	Ideal field error. See more details in Payline administration centre	Merchant
05305	Invalid URL	Ideal field error. See more details in Payline administration centre	Merchant
05400	BuyerId unknown	Ideal error relating to ID. See more details in Payline administration centre	Merchant
05401	MerchantId unknown	Ideal error relating to ID. See more details in	Merchant

		Payline administration centre	
05402	IssuerId unknown	Ideal error relating to ID. See more details in Payline administration centre	Merchant
05403	SubID unknown	Ideal error relating to ID. See more details in Payline administration centre	Merchant
05404	MerchantId not active	Ideal error relating to ID. See more details in Payline administration centre	Merchant
05405	Transaction does not exist	Ideal transaction error. See more details in Payline administration centre	Merchant
05406	Transaction already submitted	Ideal transaction error. See more details in Payline administration centre	Merchant
05407	Bank account number not 11-proof	Ideal account number error. See more details in Payline administration centre	Merchant
05408	Selected currency not supported	Ideal currency error. See more details in Payline administration centre	Merchant
05409	Maximum amount exceeded. (Detailed record states the maximum amount).	Ideal account number error. See more details in Payline administration centre	Merchant
05410	Amount too low. (Detailed record states the minimum amount).	Ideal account number error. See more details in Payline administration centre	Merchant
05411	Please adjust expiry period. See suggested expiry period.	Ideal account number error. See more details in Payline administration centre	Merchant

## 7.8 Return codes and messages linked to using TICKETSURF

Return code	Short message	Long message	Recipient
14001	Transaction refused	BAD LAUNCH OF AUTHENTICATION	Merchant
14002	Transaction refused	UNKNOWN CURRENCY	Merchant
14003	Transaction refused	PIN NOT VALID	Buyer
14004	Transaction refused	PIN NOT VALID	Buyer
14005	Transaction refused	PIN NOT VALID	Buyer
14006	Transaction refused	VALIDATION END DATE EXPIRED	Buyer
14007	Transaction refused	PIN INACTIVE	Buyer
14008	Transaction refused	TRANSACTION LOCKED	Buyer
14009	Transaction refused	TRANSACTION LOCKED	Buyer
14010	Transaction refused	PIN LOCKED	Buyer
14011	Transaction refused	MERCHANT INCOMPATIBLE	Buyer
14012	Transaction refused	MERCHANT INCOMPATIBLE	Buyer
14013	Transaction refused	MERCHANT INCOMPATIBLE	Buyer



14014	Transaction refused	MERCHANT INCOMPATIBLE	Buyer
14015	Transaction refused	CREDIT EXHAUSTED	Buyer
14016	Transaction refused	INSUFFICIENT FUNDS	Buyer
14017	Transaction refused	TRANSACTION EXPIRED	Buyer
14018	Transaction refused	TRANSACTION REDUNDANT	Buyer
14019	Transaction refused	TID ALREADY USED	Buyer
14020	Transaction refused	KID INCORRECT	Buyer
14021	Transaction refused	HMAC INCORRECT	Buyer
14022	Transaction refused	PARAMETER MISSING	Buyer
14023	Transaction refused	TID INCORRECT	Buyer
14024	Transaction refused	MERCHANT UNKNOWN	Buyer
0000	Transaction approved	TRANSACTION APPROVED	Buyer
14025	Transaction pending	TRANSACTION ACCEPTED BUT NOT COMPLETED	Buyer
14026	Transaction refused	INCORRECT HMAC RESPONSE	Buyer
14027	Transaction refused	TRANSACTION CANCELLED	Buyer

## 7.9 Return codes and messages linked to using PAYSAFECARD

Return code	Short message
12001	general error
12002	general error
12003	general error
12004	general error
12005	general error
12006	general error
12007	general error
12008	general error
12009	general error
12010	general error
12011	general error
12012	general error
12013	general error
12014	general error
12015	general error
12016	general error
12017	general error
12018	general error
12019	general error
12020	general error
12021	general error

12022	general error
12023	general error
12024	general error
12025	general error
12026	general error
12027	general error
12028	general error
12029	general error
12030	general error
12031	general error
12032	general error
12033	general error
12034	general error
12035	general error
12036	general error
12037	general error
12038	general error
12039	general error
12040	general error
12041	general error
12042	general error
12201	card error
12202	card error
12203	card error
12204	card error
12205	card error
12206	card error
12207	card error
12208	card error
12209	card error
12210	card error
12211	card error
12212	card error
12213	card error
12214	card error
12215	card error
12216	card error
12217	card error
12218	card error
12219	card error
12220	card error
12301	payment error
12302	payment error
12303	payment error
12304	payment error

12305	payment error
12306	payment error
12307	payment error
12308	payment error
12309	payment error
12310	payment error
12311	payment error
12312	payment error
12313	payment error
12314	payment error
12315	payment error
12316	payment error
12317	payment error
12318	payment error
12319	payment error
12320	payment error
12321	payment error
12322	payment error
12323	payment error
12324	payment error
12325	payment error
12326	payment error
12327	payment error
12328	payment error
12329	payment error
00000	Transaction approved
00000	Transaction approved
00000	Transaction approved
00000	Transaction approved
00000	Transaction approved
12401	master reference - error
12402	master reference - error
12403	master reference - error
12404	master reference - error
12405	master reference - error
12406	master reference - error
12407	master reference - error
12408	master reference - error
12409	master reference - error
12501	feature
12502	feature
12601	merchant API technical error
12602	merchant API technical error
12603	merchant API technical error
12604	merchant API technical error

12605	merchant API technical error
12606	merchant API technical error
12607	merchant API technical error
12608	merchant API technical error
12609	merchant API technical error
12610	merchant API technical error
12611	merchant API technical error
12612	merchant API technical error
12613	merchant API technical error
12701	technical error
12702	technical error
12801	SOPG error
12802	SOPG error
12803	SOPG error
12804	SOPG error
12805	SOPG error
12806	SOPG error
12807	SOPG error
12808	SOPG error
12809	SOPG error
12810	SOPG error
12811	SOPG error
12812	SOPG error

## 7.10 Return codes and messages linked to using MONEYBOOKER

Return code	Short message	Long message
13001	Transaction refused	Referred
13002	Transaction refused	Invalid merchant number
13003	Transaction refused	Pick up card
13004	Transaction refused	Authorization declined
13005	Transaction refused	Other error
13006	Transaction refused	CVV is mandatory, but not set or invalid
13007	Transaction refused	Authorization approved, honour with identification
13008	Transaction refused	Delayed processing
13009	Transaction refused	Invalid transaction
13010	Transaction refused	Invalid currency
13011	Transaction refused	Invalid amount/available limit exceeded/amount too high
13012	Transaction refused	Invalid credit card or bank account
13013	Transaction refused	Invalid card issuer
13014	Transaction refused	Cancelled by customer

13015	Transaction refused	Duplicate transaction
13016	Transaction refused	Buyer error
13017	Transaction refused	Reversal not processed, matching authorization not found
13018	Transaction refused	File transfer not available/unsuccessful
13019	Transaction refused	Reference number error
13020	Transaction refused	Access denied
13021	Transaction refused	File transfer failed
13022	Transaction refused	Format error
13023	Transaction refused	Unknown buyer
13024	Transaction refused	Card expired
13025	Transaction refused	Fraud suspicion
13026	Transaction refused	Security code expired
13027	Transaction refused	Requested function not available
13028	Transaction refused	Lost/stolen card
13029	Transaction refused	Stolen card, pick up
13030	Transaction refused	Duplicate authorization
13031	Transaction refused	Limit exceeded
13032	Transaction refused	Invalid security code
13033	Transaction refused	Unknown or invalid card/bank account
13034	Transaction refused	Illegal transaction
13035	Transaction refused	Transaction not permitted
13036	Transaction refused	Card blocked in local blacklist
13037	Transaction refused	Restricted card/bank account
13038	Transaction refused	Security rules violation
13039	Transaction refused	The transaction amount of the referenced transaction is higher than the transaction amount of the original transaction
13040	Transaction refused	Transaction frequency limit exceeded; no override possible
13041	Transaction refused	Incorrect usage count in the authorization system exceeded
13042	Transaction refused	Card blocked
13043	Transaction refused	Rejected by credit card issuer
13044	Transaction refused	Card issuing bank or network is not available
13045	Transaction refused	The card type is not processed by the authorization centre / authorization system has determined incorrect routing
13047	Transaction refused	Processing temporarily not possible
13048	Transaction refused	Security breach
13049	Transaction refused	Date / time not plausible, trace-no. not increasing
13050	Transaction refused	Error in PAC encryption detected
13051	Transaction refused	System error
13052	Transaction refused	MB denied – potential fraud
13053	Transaction refused	Mobile verification failed
13054	Transaction refused	Failed due to internal security problem
13055	Transaction refused	Communication or verification problem
13056	Transaction refused	3D verification failed
13057	Transaction refused	AVS check failed

13058	Transaction refused	Invalid Iban code
13059	Transaction refused	Invalid account code
13060	Transaction refused	Card not authorized
13061	Transaction refused	No creditworthiness
13062	Transaction refused	Communication error
13063	Transaction refused	Transaction not allowed for cardholder
13064	Transaction refused	Invalid data in request
13065	Transaction refused	Blocked bank code
13066	Transaction refused	CVV2/CVC2 failure
13067	Transaction refused	Invalid MD5 signature
13068	Transaction refused	The player account must be unique
13069	Transaction refused	Pending transaction
13099	Transaction refused	General error

## 7.11 Return codes and messages for 3DSecure

Code	Short Message	Long Message	Recipient
03000	Operation successful	Operation successful	Buyer
03001	Operation refused	Not enrolled	Buyer
03002	Operation refused	Not participating	Buyer
03003	Operation refused	Authentication failed	Buyer
03004	Operation refused	Cannot find verifyEnrolment call	Buyer
03020	Transaction refused	Transaction is reduced to non 3DS	Buyer
03021	Transaction refused	Enrolment verification failed	Buyer
03022	Transaction refused	Authentication verification failed	Buyer

## 7.12 Return codes and error messages for FAF

The table below lists all the FAF return messages and codes.

The following codes and messages will be sent using the Result object:

Code	Message	Recipient
04000	OK	Merchant
04001	Fraud suspected	Merchant
04002	Fraud detected	Merchant
04401	Do a 3DSecure authentication After running 3DS, in direct API mode, you must direct your customer to an authentication.	Merchant

041XX - Input error		
04101	Missing field	Merchant
04102	Incorrect ruleName	Merchant
04103	Duplicate data	Merchant
04104	Field value must be null	Merchant
04105	Incorrect field format	Merchant
043XX - Output error		
04301	Data not found	Merchant
04302	Empty list	Merchant
04303	Configuration not found	Merchant
049XX – System error		
04901	System error	Merchant
04902	Unauthorized service access	Merchant

## 7.13 Return codes and messages linked to ELV payment method

The table below lists all the ELV return messages and codes

The following codes and messages will be sent using the Result object:

RETURN_CODE	SHORT_MESSAGE	LONG_MESSAGE
6002	Transaction refused	Denied, authorization by telephone possible
6003	Transaction refused	Invalid merchant number
6004	Transaction refused	Card used not allowed
6005	Transaction refused	Bank code blocked
6006	Transaction refused	File transfer wrong
6009	Transaction refused	Delayed processing
6012	Transaction refused	Transaction invalid, e.g. currency not allowed
6013	Transaction refused	Available limit exceeded
6014	Transaction refused	Invalid card
6021	Transaction refused	Reversal not processed, associated authorization not found
6024	Transaction refused	File transfer not available
6029	Transaction refused	File transfer not successful
6030	Transaction refused	Format failure
6033	Transaction refused	Card expiry date passed
6034	Transaction refused	Suspicion of manipulation
6040	Transaction refused	Requested function not available
6043	Transaction refused	Stolen card, please pick up card
6050	Transaction refused	Double authorization
6051	Transaction refused	Limit exceeded, override function possible
6055	Transaction refused	PIN wrong
6056	Transaction refused	Card invalid (no entry in authorization database)

6057	Transaction refused	Other card than used with authorization / reservation
6061	Transaction refused	Card blocked in local blacklist
6062	Transaction refused	Card blocked
6064	Transaction refused	Transaction amount higher than authorization
6065	Transaction refused	Limit of transaction frequency exceeded, override function available
6075	Transaction refused	Invalid transaction token in the authorization system (AS) has expired
6077	Transaction refused	PIN entry necessary
6080	Transaction refused	Transaction amount not available
6085	Transaction refused	Denial from credit card issuer
6086	Transaction refused	Basic data unknown
6087	Transaction refused	Terminal / PIN-pad unknown
6089	Transaction refused	CRC wrong
6091	Transaction refused	Card issuer or network not available
6092	Transaction refused	Authorization system (AS) recognises wrong routing
6096	Transaction refused	Authorization system (AS) - processing currently not available
6097	Transaction refused	MAC failure
6098	Transaction refused	Date / time not plausible, trace-no. not increasing
6099	Transaction refused	PAC-encryption with failures
6260	Transaction refused	Processing currency not available, please try again/No terminal available
6261	Transaction refused	System error: Invalid function according to terminal type
6270	Transaction refused	System error: Format error in xml message
6271	Transaction refused	System error: Invalid character in IC_SHOP_TA_ID
6272	Transaction refused	System error: Invalid xml message
6273	Transaction refused	System error: Invalid card type
6274	Transaction refused	Invalid card (expiry date invalid)/Invalid expiry date
6275	Transaction refused	Invalid card/Unknown card
6276	Transaction refused	Invalid bank code
6277	Transaction refused	Invalid account code
6278	Transaction refused	Invalid German EC card (eurocheque)
6279	Transaction refused	Card not authorized
6280	Transaction refused	System error: BMP60 unknown field type
6282	Transaction refused	System error: BMP120 unknown field type
6290	Transaction refused	Amount too high
6292	Transaction refused	Card rejected/Authorization impossible
6293	Transaction refused	Reversal (cancellation) / capture (accounting) impossible.
6300	Transaction refused	Reference transaction not found
631	Transaction refused	Processing not possible at the time, please repeat the transaction/File transfer aborted
6310	Transaction refused	Card issuer not listed
6320	Transaction refused	System error: Offline turnover forbidden for credit cards.
		System error: Unknown record type



6400	Transaction refused	Processing not possible at the time, please repeat the diagnosis/Diagnosis aborted
6401	Transaction refused	Processing not possible at the time, please repeat the diagnosis/Maximum amount could not be acquired.
6420	Transaction refused	Auto-discount interrupted
6430	Transaction refused	Processing not possible at the time, please repeat the diagnosis/No response by the host system.
6450	Transaction refused	System error: ISOMux Key can't be created
6510	Transaction refused	System error: Amount of cutover is negative
6600	Transaction refused	System error: Database error
6610	Transaction refused	System error: Terminal type not registered
6700	Transaction refused	No creditworthiness

## 7.14 Timeout management

The maximum Payline response time is 30 seconds.

If you do not receive a response, you may make a new request. Payline checks your requests and identifies duplicates. The response sent will refer to the first request.

## 7.15 Identification of duplicate requests

Payline checks your requests and identifies duplicates using the following information:

**Order ref:** your unique order reference

**Payment amount:** the payment amount requested

**Payment currency:** the payment currency requested

**Card number:** your customer's card number

**Card expiry date:** the expiry date of your customer's card

**Payment contract number:** your e-commerce contract no.

(Optional) the specific details of private cards.

If a request is considered to be a duplicate of a previous request, i.e. all the fields listed above are identical, Payline will adopt the following procedure:

- Payline will detect that the request is identical to a previous request (within a period of 24hrs)
- Payline will register the request
- Payline will generate the same result as for the first request (transaction ID, authorization number etc.) but the isDuplicated field will have the value of 1.

Payline also offers a second scenario<sup>1</sup> for managing duplicate requests. The differences with respect to the first scenario described are as follows:

- Payline will detect that the request is identical to a previous request (within a period of 24hrs)
- Payline will register the request
- Payline will generate a new transaction with a specific return code (01913, see Payline return codes and messages)

<sup>1</sup> To use this scenario, please contact the Payline sales department.

## 7.16 Table: Card type list

This table shows the possible values for the "type" field of the card object.

Code	Card name	Parent network
AMEX	American Express	American Express
CB	Carte Bleue / VISA / MasterCard	VISA / MasterCard
VISA (merchant outside France)	Visa	VISA
MASTERCARD (merchant outside France)	MasterCard	MasterCard
SOFINCO	Sofinco card	Sofinco
DINERS	Diners Club card	Diners Club
AUORE	Aurore card	CETEM
PASS	Carrefour PASS card	CETEM
CBPASS	Carrefour VISA PASS card	CETEM
COFINOGA	Cofinoga card	Cofinoga
CDGP	Privilege card	COFINOGA
PRINTEMPS	Printemps card	FINAREF
KANGOUROU	Kangourou card	FINAREF
SURCOUF	Surcouf card	FINAREF

CYRILLUS	Cyrillus card	FINAREF
FNAC	FNAC card	FINAREF
JCB	JCB card	JCB
MAESTRO	Maestro card	MASTERCARD
SWITCH	Switch card	MASTERCARD
MCVISA	Carte VISA / MasterCard	VISA / MasterCard

## 7.17 Table: Payment method list

This table shows the possible values for the "type" field of the card object.

Code	Name of payment method
BUYSTER	BUYSTER
ELV	ELV
EMONEO	EMONEO
IDEAL	IDEAL
INTERNET+	INTERNET+
LEETCHI	LEETCHI
MAXICHEQUE	MaxiCheque
NEOSURF	Neosurf
PAYFAIR	PAYFAIR
PAYSAFECARD	PAYSAFECARD
SKRILL	MONEYBOOKER
TSI	TICKET SURF/ PREMIUM
VISAPREPAID	VISA prepaid card
WEXPAY	WexPay
1EURO.COM	1Euro.com
3XCB	3XCB

## 7.18 Table: List of mandatory fields by card type

This table shows the mandatory fields by card type.

Code	Card No.		Security code		Expiry date Required	Date of Birth Required	Password Required
	Max. length	Oblig.	Max. length	Oblig.			
CB	19	Y	4	Y	Y	N	N
VISA	19	Y	4	Y	Y	N	N
MASTERCARD	19	Y	4	Y	Y	N	N
AMEX	15	Y	4	Y	Y	N	N
SOFINCO	19	Y	4	N	Y	N	Y
DINERS	14	Y	4	N	Y	N	N
CETEM	19	Y	4	N	Y	N	N
COFINOGA	17	Y	4	N	Y	Y	N
CDGP	17	Y	4	N	Y	Y	N
PRINTEMPS	16	Y	3	Y	N	N	N
KANGOUROU	19	Y	3	On condition: validated by the SAA	N	N	N
SURCOUF	19	Y	3	On condition: validated by the SAA	N	N	N
CYRILLUS	19	Y	-	N	N	N	N
FNAC	16	Y	3	On condition: validated by the SAA	Y	N	N
JCB	16	Y	4	Y	Y	N	N
MAESTRO	16	Y	-	N	Y	N	N
SWITCH	16	Y	-	N	Y	N	N

## 7.19 Table: Action type list

This table shows the possible values for the "action" field of the payment object.

Code	Type
100	Authorization
101	Authorization + validation
110	Authorization with cvv
111	Authorization + validation with cvv
120	Authorization without cvv
130	Authorization for replayed transaction
131	Authorization + validation of replayed transaction
201	Validation
204	Debit
421	Refund
422	Credit
202	Reauthorization

## 7.20 Table: Payment method list

This table shows the possible values for the "method" field of the payment object.

Code	Type
CPT	Full
DIF	Deferred
NX	N instalments
REC	Recurring

## 7.21 Table: Country list

The country codes are defined in standard [ISO 3166-1](#).

This table presents a non-exhaustive list of the possible values for the "country" field in the Order object.

code for the country	Country name
FR	FRANCE
DE	GERMANY
GB	UNITED KINGDOM
ES	SPAIN
IT	ITALY
PT	PORTUGAL

## 7.22 Table: Language list

The languages are defined in standard [ISO 639](#) (alpha-2 and alpha-3 codes).

This table presents a non-exhaustive list of the possible values for the "languageCode" field in the doWebPaymentRequest object.

Language	ISO 639-1 code	ISO 639-2 code	ISO 639-3 code
FRENCH	fr	fra or fre	fra
ENGLISH	en	eng	eng
SPANISH	es	spa	spa
ITALIAN	it	ita	ita
PORTUGUESE	por	por	por
GERMAN	de	deu or ger	deu
FLEMISH	nl	dut or nld	nld
FINNISH	fi	fin	fin

## 7.23 Table: Currency list

The currency codes are defined in standard [ISO 4217](#).

This table presents a non-exhaustive list of the possible values for the "currency" field of the payment object.

Currency code	Currency name
978	Euro
840	US dollar
756	Swiss franc
826	Pound sterling
124	Canadian dollar

## 7.24 Table: Security mode list

This table presents the list of possible values for the "securityMode" field in the doWebPaymentRequest object.

Code	Title
SSL	SSL protocol

## 7.25 Table: List of amounts to send to simulate a return code

This table presents the list of amounts to send to Payline to simulate a return code from your bank's authorization server. Not all the return codes are simulated therefore: case of authentication error, internal error, etc. You can use them in the accreditation environment.

Amount to be sent	Return code
333.00	00000
333.08	00000
333.05	01100
333.60	01103
333.02	01108
333.03	01109
333.13	01110
333.14	01111
333.51	01116
333.55	01117
333.56	01118
333.57	01119
333.58	01120
333.61	01121
333.63	01122
333.31	01199
333.04	01200
333.33	01201
333.34	01202
333.38	01206
333.07	01207
333.41	01208
333.43	01209
333.12	01902
333.30	01904
333.91	01907
333.96	01909
333.15	01912
333.94	01913



## 7.26 Table: Payment frequency list

This table presents the Payment frequency list.

Code	Type	Comment
10	Daily	One transaction per day
20	Weekly	One transaction per week
30	Bimonthly	Two transactions per month
40	Monthly	One transaction per month
50	Two monthly	One transaction every two months
60	Quarterly	One transaction every three months
70	Biannually	One transaction every six months
80	Annually	One transaction per year
90	Biennially	One transaction every two years