

**EUROPE WEB SERVICE API 1.4.28**

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# SveaWebPay

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## Revisions

2019-05-28 v1.4.28

- Added GroupReference to CreateOrderEU for Collective invoicing.

2019-04-05 v.1.4.27

- Added RowType to OrderRow

2019-03-28 v.1.4.26

- Added Peppol-id to CreateorderEU and CreateOrder

2018-05-28 v.1.4.25

- Added note about not returning national IDs for finnish clients.

2018-03-19 v.1.4.24

- Added Notes parameter to DeliverInvoiceDetails in DeliverOrderEu

2017-02-20 v.1.4.23

- Changed description for account credit

2016-03-03 v.1.4.22

- Changed NumberOfUnits to Decimal(5,2) as per ResultCode 20028 ErrorMessage
- Changed PricePerUnit, DiscountAmount to Decimal(9,2). (ResultCode 20032 and source indicates Decimal(10,2), but that is not accepted by service.)

2016-02-23 v.1.4.21

- Corrected and clarified the documented behaviour of IndividualIdentity and CompanyIdentity in CreateOrder.

2016-02-22 v.1.4.20

- Corrected documented behaviour of DeliverOrderEu when delivering payment plan orders without any order rows specified (i.e. the only way to do it).

2016-02-04 v.1.4.19

- Adding resultcodes for account credit.
- Smaller rewrites for better understanding.

2016-01-22 v.1.4.18

- Removed GetAccountParamsEu.

2016-01-20 v.1.4.17

- Updated description on OrderRow with vat recommendations.

2016-01-08 v.1.4.16

- Revised GetAccountCreditParamsEu.

2016-01-05 v.1.4.15

- Revised DeliverOrderEu.

2015-12-28 v.1.4.14

- Revised CreateOrderEu. GetAccountCreditParamsEu,

2015-12-21 v.1.4.13

- Added GetAccountCreditParamsEu.
- Added AccountCreditDetails to createOrderEu.

2015-11-12 v.1.4.11

- Added info on InvoiceDistributionType EInvoiceB2B and associated ResultCodes.
- Added some page breaks, regenerated index, references, various grammar corrections.

2015-10-21

## 6 (34) Europe Web Service 1.4.28

- Updated CustomerReference length in CreateOrderEuRequest from 30 to 32
- Updated ClientOrderNumber length in CreateOrderEuRequest from 30 to 32
- Updated Locality length in CreateOrderEuRequest from 25 to 20

2015-06-02

- Added property PrintType to DeliverInvoiceDetails structure.
- Updated result code table.
- Added PendingReasons to CreateOrderResult

2015-02-19

- Added information about PublicKey.
- Clarified that you can't part deliver a payment plan.

2015-01-12

- Added Success-code to ResultCodes

2014-11-04

- Added PriceIncludingVat to OrderRow
- Added ResultCode PriceIncludingVatMismatch

2014-09-03

- Added ResultCode AuthenticationFailed

2014-06-30

- Corrected resultcodes

2013-11-12

- Updated resultcodes

2013-11-05

- Updated GetAddresses information

2013-08-29

- Added method Ping to this document

2013-08-16

- Added information about e-mail invoice set-up

2013-06-12

- Corrected misspelling

2013-05-23

- Corrected error code message

2013-02-27

- Added calculation examples for GetPaymentPlanParamsEu

2013-02-18

- Marked OrderDate in CreateOrderEu as required.

2013-01-29

- Changed descriptions for some NationalId-fields for clarification reasons.

2013-01-21

- Updated with new layout.

2013-01-11

- Minor clarifications.

## 7 (34) Europe Web Service 1.4.28

2012-12-07

- Changed type information

2012-11-30

- Added information about the GetAddresses-method.
- Added information about how AddressSelectors work for Nordic countries.
- More information about how to correctly populate ClientInformation for different countries.

2012-10-15

- Added more ResultCodes.

2012-09-28

- Added clarification of how the DeliverOrderEu method works with row matching

2012-09-04

- Added OrderDeliveryAddress in CreateOrderInformation

2012-08-28

- Added ClientOrderNumber in return object on CreateOrderEu
- Added InvoiceDeliveryMethod in return object on DeliverOrderEu

2012-05-29

- Added structure information common to all requests and common to all responses
- Added information about new method.
- Updated structure information.
- Moved ResultCode out of BasicResponse

2012-05-16

- Fixed layout issues.
- Minor change to text.

2012-04-02:

- Changed layout.
- Fixed minor errors.
- Cleaned up the documentation.

DRAFT 2012-03-28:

- Removed ClientOrderRowNumber from the CreateOrder interface.

DRAFT 2012-03-27:

- Added documentation for GetPaymentPlanParamsEu.
- Corrected some misspellings and plain errors.

DRAFT 2012-03-26:

- Updated functions to reflect changes in the methods.
- Further documented information about functionality.
- Removed CustomerId from the DeliverOrderResult.

DRAFT 2012-03-22:

- Finished mapping the new data structures.

DRAFT 2012-03-21:

- First version.

## Overview

### Endpoint:

- Production: <https://webpayws.svea.com/sveawebpay.asmx>
- Test: <https://webpaywsstage.svea.com/sveawebpay.asmx>

### WSDL-endpoint

- Production: <https://webpayws.svea.com/sveawebpay.asmx?WSDL>
- Test: <https://webpaywsstage.svea.com/sveawebpay.asmx?WSDL>

This is where requests to the web service is to be directed. Requests should be made with soap over http using soap 1.1 with the wrapped document-literal format and with a soap action specified.

Please contact SveaWebPay for access to test accounts.

The web service currently supports the following calls:

#### 1. General

- a. CreateOrderEu
- b. DeliverOrderEu
- c. CloseOrderEu

#### 2. Specific method regarding PaymentPlan

- d. GetPaymentPlanParamsEu

#### 3. Retrieving customer addresses

- e. GetAddresses

If you have questions regarding the integration with SveaWebPay please send an email to: [support-webpay@sveaekonomi.se](mailto:support-webpay@sveaekonomi.se)

## Order rows

If the customer is a company we highly recommend that you add orderrows where the amount of PricePerUnit and DiscountAmount (if any) is including vat, together with their appropriate flags PriceIncludingVat and DiscountAmountIncludingVat set to true. Opposite if the customer is an individual we highly recommend that you add orderrows where the amount of PricePerUnit and DiscountAmount (if any) is excluding vat, together with their appropriate flags PriceIncludingVat and DiscountAmountIncludingVat set to false.

## Disclaimer

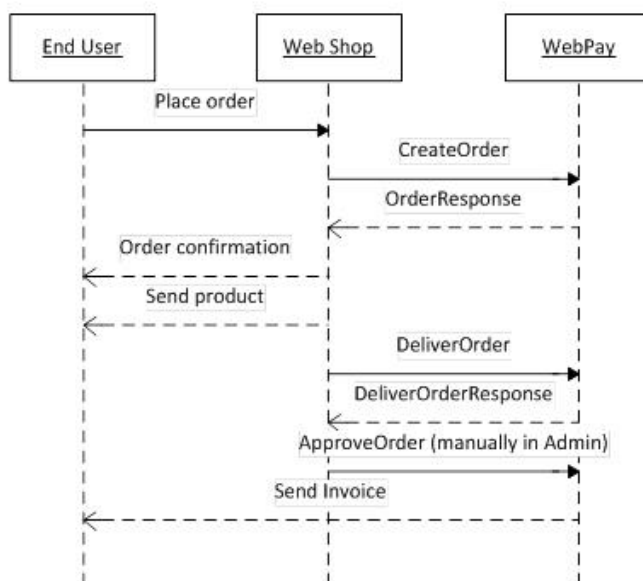
This documentation is subject to continuous updates. Please make sure you are using the latest version. Contact [support-webpay@sveaekonomi.se](mailto:support-webpay@sveaekonomi.se) with questions regarding this documentation.



### Order Creation Flowcharts

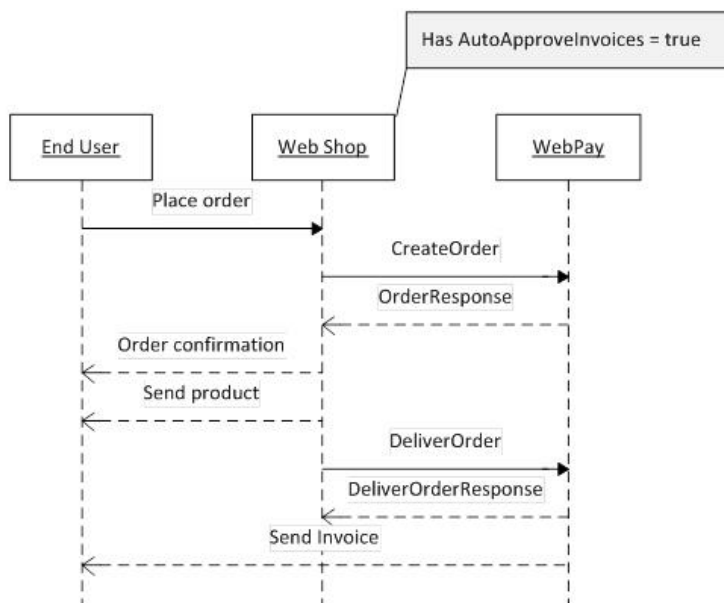
#### Create and deliver orders

Following is the flowdiagram illustrating the flow when creating an invoice or payment plan order as well as delivering it. This is the standard flow that all new clients that use SveaWebPay invoices and payment plans use. Please note that you manually have to approve the invoice via SveaWebPay Admin before it is delivered to your customer.



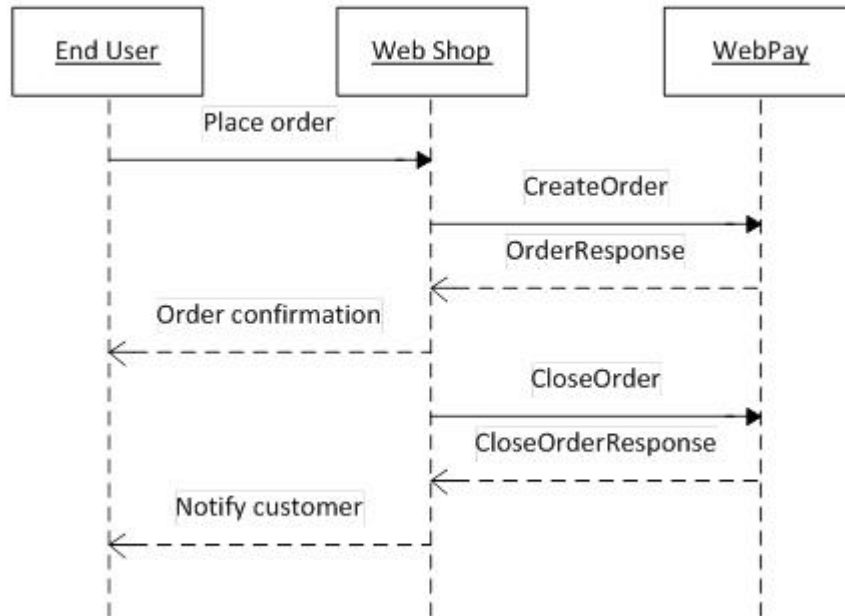
#### AutoApproveInvoices

The following flow is also of the creation and delivering of orders except that in this case the client has the flag AutoApproveInvoices set to true. This allows the invoice to be delivered directly after a successful call to the method DeliverOrder. Contact SveaWebPay if you want this activated.



### Cancel Orders

The following figure shows the flow for cancelling orders.



## Methods

### Abbreviations and Types used in the description

- *U: Unique*
- *R: Required*
- *Types*
  - *Text: Any plain text. Remember that certain characters (like &) have special meaning in xml and need to be either escaped or encased in a cdata-block*
  - *Integer: Number without decimals. Like 10, 42, -92*
  - *Long: A longer integer.*
  - *Decimal: Decimal number. Like 10.65 or -43.34*
  - *When there is an parentheses in the Decimal declaration like Decimal (11,2) means that the field supports 11 significant numbers and 2 decimals.*
  - *The number following Text fields like Text (2) means that the maximum length for this field is 2.*

### Common to all requests

#### BasicRequest

Field	U	R	Type	Description
<b>Auth</b>		*	ClientAuthInfo	Login information

### Common to all responses

#### BasicResponse

Field	U	R	Type	Description
<b>Accepted</b>		*	Boolean	True if the request is accepted else false.
<b>ErrorMessage</b>			String	When <i>Accepted</i> is false ErrorMessage may contain a message describing the reject reason.

### **CreateOrderEu**

This method is used to create either an invoice or a payment plan order. You specify which one to create by setting the OrderType. Please note that the different order types might require additional objects to be defined for the request to be approved by the service.

Defining OrderType as invoice and having a PaymentPlanInformation-structure within the request will result in a failed request.

Creating orders for customers which reside in Countries without unique SecurityNumbers to identify them you have to populate as much data about the customer as possible so that we can do an accurate scoring for them. Please see the segment (page 27) for more information on how to populate the ClientIdentity-structure.

**Note:**

When creating an company order for the countries which use SecurityNumber (Nordic countries) other specific customer information in the CustomerIdentity-structure will be disregarded by the service.

We will automatically lookup the customers address based upon the SecurityNumber. If the company has multiple establishments and you don't want the order to be sent to the first found address you have to specify an AddressSelector in the ClientOrderInformationPlease see the

GetAddresses-method (page 22) for more information.

## Input

### CreateOrderEuRequest

Field	U	R	Type	Description
<b>CreateOrderInformation</b>		*	CreateOrderInformation	Information about the order to be created

## Output

### CreateOrderEuResponse

Field	U	R	Type	Description
<b>CreateOrderResult</b>		*	CreateOrderResult	Information about the method result.
<b>ResultCode</b>		*	Integer	See Result Code table (Page 29)

## Structures

### CreateOrderInformation

Field	U	R	Type	Description
<b>ClientOrderNumber</b>			String(32)	Your reference to the current order.
<b>OrderRows</b>		*	Array of OrderRow	The order rows that the order consists of.
<b>CustomerIdentity</b>		*	CustomerIdentity	Identity of the customer.
<b>OrderDate</b>		*	DateTime	The date the order was placed.
<b>AddressSelector</b>			String	A key which is used to define an address when a customer has more than one address. (Only for SE, NO, DK and FI)
<b>CustomerReference</b>			String(32)	Customer reference. (Gets printed on the invoice.)
<b>OrderDeliveryAddress</b>			Address	If order is to be delivered to an address other than the invoice, enter that address here. Special regulations concerning fraud prevention apply.
<b>OrderType</b>		*	OrderType	Specifying what kind of order it should be.
<b>CreatePaymentPlanDetails</b>			CreatePaymentPlan-Details	Only when OrderType is PaymentPlan
<b>CreateAccountCreditDetails</b>			CreateAccountCredit-Details	Only when OrderType is AccountCredit
<b>PeppolId</b>			String(55)	Identifier for PEPPOL invoices. Format: 4 digits followed by a colon and up to 50 alphanumerical characters. For example 0007: 5620202027
<b>GroupReference</b>			String	Reference used to group collective invoices on. Contact SveaWebPay for more information. (Not needed in a standard integration)

### CustomerIdentity

Field	U	R	Type	Description
<b>NationalIdNumber</b>	*		String(12)	Field for entering unique identifiers for customers in certain countries. (Example (SE): Personnummer or Organisationsnummer). Will not be returned for finnish clients.
<b>Email</b>			String(50)	Customer email address
<b>PhoneNumber</b>			String(18)	Customer phone number
<b>IpAddress</b>			String	Customer IP-address
<b>FullName</b>			String(40)	Full name of the customer. Contains either first name + family name or company name.
<b>Street</b>			String(40)	Customer street address
<b>CoAddress</b>			String(40)	Customer co-address.
<b>ZipCode</b>			String(5)	The complete Customer zip code.
<b>HouseNumber</b>			String	House number (only applicable in certain countries, see specification at the end of this document )

<b>Locality</b>			String(20)	Town of residence.
<b>CountryCode</b>		*	String(2)	A country code which defines where the customer is residing. (Page 26.)
<b>CustomerType</b>		*	CustomerType	See Enumeration (Page 15.)
<b>PublicKey</b>			String	Identifier for selecting a specific pre-approved address. (Not needed in a standard integration)
<b>IndividualIdentity</b>			IndividualIdentity	Required for DE and NL when CustomerType is Individual
<b>CompanyIdentity</b>			CompanyIdentity	Required for DE and NL when CustomerType is Company

#### IndividualIdentity

Field	U	R	Type	Description
<b>FirstName</b>		*	String	
<b>LastName</b>		*	String	
<b>Initials</b>			String	Only used in NL, "voorletters"
<b>BirthDate</b>		*	String	Person date of birth in format YYYYMMDD.

#### CompanyIdentity

Field	U	R	Type	Description
<b>CompanyIdentification</b>			String	Not in use.
<b>CompanyVatNumber</b>		*	String	Company Vat number

#### CreatePaymentPlanDetails

Field	U	R	Type	Description
<b>CampaignCode</b>			Integer	Payment plan identifier. Contact SveaWebPay for more information.
<b>CoCustomerIdentity</b>			CustomerIdentity	Not in use.
<b>SendAutomaticGiroPaymentForm</b>		*	Boolean	Should an autogiro-form be sent with the first notification.
<b>FixedMonthlyAmount</b>			Nullable of Decimal	Not in use.

#### CreateAccountCreditDetails

Field	U	R	Type	Description
<b>CampaignCode</b>			Nullable Long	AccountCredit campaign identifier.

#### CreateOrderResult

Field	U	R	Type	Description
<b>SveaOrderId</b>	*	*	Long	Unique Id for the created order. Used for any further webservice requests.
<b>SveaWillBuyOrder</b>		*	Boolean	Describes whether SveaWebPay will buy the order or just administrate it.
<b>Amount</b>		*	Decimal	The approved order amount.
<b>CustomerIdentity</b>			CustomerIdentity	Shipping address.
<b>ExpirationDate</b>			DateTime	Order expiration date. If the order isn't delivered before this date the order is automatically closed and it can not be delivered.
<b>ClientOrderNumber</b>			String(32)	Your reference to the current order.
<b>PendingReasons</b>			List<String>	Is set and contains identifiers if order is

				pending
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**Enumerations**

**CustomerType**

Individual
Company



## DeliverOrderEu

DeliverOrder updates the order with additional information and prepares it for delivery. Like the CreateOrderEu method this method requires some information that is specific to the OrderType specified.

**Note:** Even though you have used this method to deliver the order the resulting invoice/contract might still not be sent out. You may need to log into SveaWebPay Admin and approve the delivery first. It is possible to activate automatic approval. Please contact SveaWebPay if you want this functionality activated.

**Invoice and AccountCredit specific information:** The method will automatically match all order rows that are to be delivered to those rows that were sent in CreateOrderEu with those sent in the DeliverOrderEu request according to the following rules:

- In case “new rows” that do not match any rows in the original order have been added, undelivered rows from the original order that do not match with new rows will be cancelled. Any rows in the deliver request that do not match the original order rows will still be delivered, as long as the total amount of all delivered rows (in this and previous delivery requests) don’t exceed the total amount of the original order rows.
- In case no “new rows” have been added, but only a subset of of the original order rows are present in the DeliverOrderEu request, the order will be partially delivered and the matching order rows will be delivered, while any original order rows not present will remain undelivered.

**Payment plan specific information:** You can not partially deliver paymentplans. All order rows as currently held by Svea will be delivered when the request is made. (The original order rows may have been changed since the original CreateOrderEu request was made by means of the Svea Admin interface or by requests made to the SveaWebpay Administration Service API.)

## Input

### DeliverOrderEuRequest

Field	U	R	Type	Description
<b>DeliverOrderInformation</b>		*	DeliverOrderInformation	

## Output

### DeliverOrderEuResponse

Field	U	R	Type	Description
<b>DeliverOrderResult</b>			DeliverOrderResult	
<b>ResultCode</b>		*	Integer	See Result Code table (Page 29)

## Structures

### DeliverOrderResult

Field	U	R	Type	Description
<b>Amount</b>			Decimal	The sum of the request order rows.
<b>OrderType</b>			OrderType	See Enumeration. (Page 26)
<b>InvoiceResultDetails</b>			InvoiceResultDetails	Information about the created invoice. (See page 26)
<b>PaymentPlanResultDetails</b>			PaymentPlanResultDetails	Information about the created payment plan. (See page 26)
<b>AccountCreditResultDetails</b>			AccountcreditResultDetails	Information about the created account credit. (See page 27)

**DeliverOrderInformation**

Field	U	R	Type	Description
<b>SveaOrderId</b>	*	*	Long	Id for the order to deliver
<b>OrderType</b>			OrderType	See Enumeration. (Page 26)
<b>DeliverInvoiceDetails</b>			DeliverInvoiceDetails	Required for invoice orders. <i>Information entered in this structure will only affect invoice orders.</i>
<b>DeliverAccountCreditDetails</b>			DeliverAccountCreditDetails	Required for account credit orders. <i>Information entered in this structure will only affect account credit orders.</i>

**DeliverInvoiceDetails**

Field	U	R	Type	Description
<b>NumberOfCreditDays</b>			Integer	Number of credit days. More credit days than client defined is ignored.
<b>InvoiceDistributionType</b>		*	InvoiceDistributionType	See Enumeration (Page 17)
<b>IsCreditInvoice</b>		*	Boolean	True if this should be a credit invoice.
<b>InvoiceIdToCredit</b>	*		Long	Reference to invoice to credit. Only used if IsCreditInvoice is true.
<b>OrderRows</b>			Array of OrderRow	Order rows to deliver.
<b>PrintType</b>			Integer	Integer specifying the print setting for the current order. When set it will override any print settings for the client. Possible values: 0 – Svea prints 1 – Client prints
<b>Notes</b>			String(200)	Notes that will be appear on the invoice. If not supplied (or null), the order's Notes will be used instead.

**DeliverAccountCreditDetails**

Field	U	R	Type	Description
<b>OrderRows</b>			Array of OrderRow	Order rows to deliver.

**Enumerations****InvoiceDistributionType**

<b>Post</b>	Invoice is sent by mail.
<b>Email</b>	Invoice is sent by e-mail. <i>For this to work it requires that client contacts SveaWebPay for correct set-up to be done in SveaWebPay systems before use by the client. Please contact SveaWebPay at support-webpay@sveaekonomi.se for set-up.</i>
<b>EInvoiceB2B</b>	E-invoice, presently only valid for Norway (EHF)

## CloseOrderEu

Use this function when you want to cancel an order. Please note that you can only cancel undelivered orders, when an invoice or a payment plan is created from the order it is no longer possible to cancel the order with this method.

### Input

#### CloseOrderEuRequest

Field	U	R	Type	Description
<b>CloseOrderInformation</b>		*	CloseOrderInformation	

### Output

#### CloseOrderEuResponse

Field	U	R	Type	Description
<b>CreateOrderResult</b>			CreateOrderResult	
<b>ResultCode</b>		*	Integer	See Result Code table (Page 29)

### Structures

#### CloseOrderInformation

Field	U	R	Type	Description
<b>SveaOrderID</b>		*	Long	

#### CloseOrderResult

Field	U	R	Type	Description
<b>See BasicResponse (Page 11)</b>				

## GetPaymentPlanParamsEu

This method retrieves information about all the campaigns that are associated with the current ClientId. Use this information to display information about the possible payment plan options to customers. The returned CampaignCode is used when creating a payment plan.

### Input

#### GetPaymentPlanParamsEuRequest

Field	U	R	Type	Description
<b>Empty</b>				Intentionally left empty

### Output

#### GetPaymentPlanParamsEuResponse

Field	U	R	Type	Description
<b>CampaignCodes</b>		*	Array of CampaignCodeInfo	
<b>ResultCode</b>		*	Integer	See Result Code table (Page 29)

### Structures

#### CampaignCodeInfo

Field	U	R	Type	Description
<b>CampaignCode</b>		*	Long	Unique id for this campaign.
<b>Description</b>			String	Short description of the campaign.
<b>PaymentPlanType</b>			PaymentPlanTypeCode	Enumeration defining what kind of campaign it is.
<b>ContractLengthInMonths</b>			Integer	Total length of campaign.
<b>MonthlyAnnuityFactor</b>			Decimal	How much of the total sum is to be paid each payment.
<b>InitialFee</b>			Decimal	Starting fee.
<b>NotificationFee</b>			Decimal	Recurring fee for each payment.
<b>InterestRatePercent</b>			Decimal	Payment plan interest.
<b>NumberOfInterestFreeMonths</b>			Integer	Number of months before interest is added onto the payment plan.
<b>NumberOfPaymentFreeMonths</b>			Integer	Number of months before first payment.
<b>FromAmount</b>			Decimal	Lowest amount campaign is valid for.
<b>ToAmount</b>			Decimal	Highest amount campaign is valid for.

#### PaymentPlanTypeCode

Type	Description
<b>Standard</b>	A standard payment plan.
<b>InterestFree</b>	An interest free payment plan.
<b>InterestFreeAndAmortizationFree</b>	A payment plan where there is an initial payment and interest free period.

## GetAccountCreditParamsEu

### Input

#### GetAccountCreditParamsEuRequest

Field	U	R	Type	Description
<b>Empty</b>				Intentionally left empty

### Output

#### GetAccountCreditParamsEuResponse

Field	U	R	Type	Description
<b>AccountCreditCampaignCodes</b>			Array of AccountCreditCampaignCodeInfo	
<b>ResultCode</b>			Integer	See Result Code table (Page 29)

### Structures

#### AccountCreditCampaignCodeInfo

Field	U	R	Type	Description
<b>CampaignCode</b>		*	Long	Unique id for this campaign
<b>Description</b>			String	Short description of the campaign
<b>InitialFee</b>			Decimal	Fee for placing account credit order
<b>LowestAmountToPayPerMonth</b>			Decimal	Minimum amount invoiced for this account credit campaign code
<b>LowestPercentToPayPerMonth</b>			Decimal	Minimum percent invoiced for this account credit campaign code
<b>LowestOrderAmount</b>			Decimal	Lowest order amount to enable an account credit order to be placed
<b>InterestRatePercent</b>			Decimal	Interest rate in percent
<b>NotificationFee</b>			Decimal	Recurring fee for each payment

**Note:** For any given order the hypothetical minimum amount to pay per month that should be presented to the customer is the largest of either `LowestAmountToPayPerMonth` of `LowestPercentToPayPerMonth` times the order total, given that the order total also equals or exceeds `LowestOrderAmount`.

**Note:** The total account credit amount that will be invoiced each month is based not on a single order but on the total outstanding account credit for this customer and client (see basic request structure). That is, the invoiced amount will be based on the sum of all outstanding account credit purchases for this customer and client.

### GetPaymentPlanContractDetailsEu

This method calculates the details about a payment plan based on customer's choice. Note: this does not create a payment plan in SveaWebPay system.

#### Input

##### GetPaymentPlanContractDetailsEuRequest

Field	U	R	Type	Description
<b>OrderRows</b>		*	Array of OrderRow	The order rows that the payment plan order consists of. See general structures (Page 24)
<b>MonthlyAmount</b>		*	Decimal	The amount the customer wishes to pay every month.

#### Output

##### GetPaymentPlanContractDetailsEuResponse

Field	U	R	Type	Description
<b>ContractLengthInMonths</b>		*	Integer	
<b>MonthlyAmount</b>		*	Decimal	The amount the customer wishes to pay every month.
<b>Amount</b>		*	Decimal	Total amount we calculated from order rows in request.
<b>InitialFee</b>		*	Decimal	
<b>ResultCode</b>		*	Integer	See Result Code table (Page 29)

## GetAddresses

If a customer has multiple addresses or you just want to show the address which the invoice / product is to be delivered to for the customer you can use this method. It returns an array with all the associated addresses for a specific SecurityNumber.

Each address gets an "AddressSelector"-hash to signify the address. This can be sent into a CreateOrderEu request to have the invoice be sent to the specified address. Else the order will be created and invoices be sent to the first address we find for the requested SecurityNumber.

**Note:** This method is only applicable for Sweden, Norway and Denmark (SE, NO & DK). In Norway, only companies are allowed.

RejectionCode	Description
<b>Accepted</b>	Address(es) found.
<b>NoSuchEntity</b>	Could not find an entity for the specified SecurityNumber.

## Input

### GetCustomerAddressesRequest

Field	U	O	Type	Description
<b>IsCompany</b>		*	Boolean	True for company; False for private consumer.
<b>CountryCode</b>		*	String(2)	See CountryCode-enumeration for valid values.
<b>SecurityNumber</b>	*	*	String(12)	Customer SecurityNumber.

## Output

### GetCustomerAddressesResponse

Field	U	O	Type	Description
<b>RejectionCode</b>		*	Enumeration	<ul style="list-style-type: none"> <li>Error</li> <li>Accepted</li> <li>NoSuchEntity</li> </ul>
<b>Addresses</b>		*	Array of CustomerAddress	Structure containing information about the found addresses.

## Structures

### CustomerAddress

Field	U	O	Type	Description
<b>LegalName</b>		*	String(60)	Full name of the customer.
<b>SecurityNumber</b>	*		String(12)	SSN or company organization number. Will not be returned for finnish clients.
<b>AddressLine1</b>		*	String(40)	C/O Address.
<b>AddressLine2</b>		*	String(40)	StreetAddress
<b>Postcode</b>		*	Integer(5)	Post code.
<b>Postarea</b>		*	String(25)	Post area.
<b>BusinessType</b>		*	Enumeration	<ul style="list-style-type: none"> <li>Person</li> <li>Business</li> <li>Unknown</li> <li>GovernmentalOrganization</li> <li>Organization</li> </ul>
<b>AddressSelector</b>	*		String	Unique address identifier.
<b>FirstName</b>			String	Customer first name.

<b>LastName</b>			String	Customer last name.
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## Ping

Ping returns a predefined value. This function is used to verify connection to this service.

### Input

Field	U	O	Type	Description
<b>No input parameters are necessary.</b>				

### Output

Field	U	O	Type	Description
<b>PingResult</b>			<b>String</b>	<b>This value is predefined and is ACK.</b>



## General Structures

### InvoiceResultDetails

Field	U	R	Type	Description
<b>InvoiceId</b>		*	Long	
<b>DueDate</b>		*	DateTime	Due date for the invoice; when SveaWebPay wants the invoice to be paid.
<b>InvoiceDate</b>		*	DateTime	Date when the invoice is created in Svea's system. Due date is InvoiceDate + Credit days.
<b>InvoiceDistributionType</b>		*	InvoiceDistributionType	See Enumeration (Page 17)

### PaymentPlanResultDetails

Field	U	R	Type	Description
<b>ContractNumber</b>	*	*	Long	

### AccountCreditResultDetails

Field	U	R	Type	Description
<b>ContractNumber</b>	*	*	Long	
<b>AccountCreditId</b>	*	*	Long	Id for the created account credit. This is unique to the client.

### OrderRow

Field	U	R	Type	Description
<b>ArticleNumber</b>			String(10)	Article number of the product
<b>Description</b>			String(40)	Description of the product.
<b>PricePerUnit</b>		*	Decimal(9,2)	Price per product unit, default is excluding tax. To create a "discount row", enter a negative amount. To add a line of text, enter amount 0.

<b>PriceIncludingVat</b>			Nullable of Boolean	If true, PricePerUnit will be considered as including tax. Recommended true if the customer is an individual and false if the customer is a company.
<b>NumberOfUnits</b>		*	Decimal(5,2)	
<b>Unit</b>			String(3)	Short description of unit. I.e. "ea."
<b>VatPercent</b>		*	Decimal(2,0)	Tax rate in percent (0–99)
<b>DiscountPercent</b>		*	Decimal(2,0)	Discount rate in percent (0–99)
<b>DiscountAmount</b>			Nullable<Decimal(10,2)>	If any, the amount will be deducted from the orderrow's amount.
<b>DiscountAmountIncludingVat</b>			Nullable<Boolean>	If true, the discount amount will be deducted after VAT is added (use for individual end-customers). If false, the discount amount will be deducted before VAT is added (use for business end-customers).
<b>TemporaryReference</b>			String	Can be used to reference to a row identifier on the clients side
<b>RowType</b>			RowType	See enumerations

### ClientAuthInfo

Field	U	R	Type	Description
<b>ClientNumber</b>		*	Integer(7)	Client number. Assigned to you by Svea.
<b>Username</b>		*	String(80)	Username. Assigned to you by Svea.
<b>Password</b>		*	String(50)	Password. Assigned to you by Svea.

## General Enumerations

**OrderType**

Invoice
PaymentPlan
AccountCredit

**Supported country codes**

Country Name	CountryCode
Sweden	SE
Norway	NO
Finland	FI
Denmark	DK
Netherlands	NL
Germany	DE

**RowType**

GiftCard
----------

### Country specific required customer identifiers.

Since we support a variety of countries which have different ways of identifying companies and private individuals we require different input parameters to be able to check history of the customer.

#### Notes:

Please note that all countries that are mentioned in this table may not be supported by the current implementation of the service. Please see the Supported country codes-table for supported countries.

Here is a table of which field are required for different countries. Please note that as much information as possible is appreciated but not necessary beyond the fields specified below.

#### Sweden (SE)

Field	Customer Type	Description
<b>NationalId</b>	Private	Personnummer
<b>NationalId</b>	Company	Organisationsnummer

#### Norway (NO)

Field	Customer Type	Description
<b>NationalId</b>	Private	Personal number
<b>NationalId</b>	Company	Organisationsnummer

#### Denmark (DK)

Field	Customer Type	Description
<b>NationalId</b>	Private	CPR
<b>NationalId</b>	Company	CVR

#### Finland (FI)

Field	Customer Type	Description
<b>NationalId</b>	Private	Henkilötunnus
<b>NationalId</b>	Company	Yritystunnus

#### Germany(DE)

Field	Customer Type	Description
<b>BirthDate</b>	Private	YYYYMMDD
<b>FirstName</b>	Private	
<b>LastName</b>	Private	
<b>HouseNumber</b>	Both	
<b>ZipCode</b>	Both	
<b>Street</b>	Both	
<b>Locality</b>	Both	
<b>FullName</b>	Both	
<b>VatNumber</b>	Company	

**Netherlands(NL)**

Field	Customer Type	Description
<b>BirthDate</b>	Private	YYYYMMDD
<b>Initials</b>	Private	Voorletters
<b>FirstName</b>	Private	
<b>LastName</b>	Private	
<b>HouseNumber</b>	Both	
<b>ZipCode</b>	Both	
<b>Street</b>	Both	
<b>Locality</b>	Both	
<b>FullName</b>	Both	
<b>VatNumber</b>	Company	

## ResultCodes Table

### Result code categories

Values:	Type:
10XXX	Authentication
20XXX	Order
24XXX	Invoice
245XX	Credit Invoice
27XXX	Payment Plan
3XXXX	Customer Rejection
4XXXX	Customer Identification
5XXXX	Request Validation
7XXXX	Account credit

### Success

Value	Description
0	The operation was successful

### Authentication

Value	Description
10000	Client authentication failed

### Order

Value	Description
20000	Order is closed.
20001	Order is denied.
20002	Something is wrong with the order.
20003	Order has expired.
20004	Order does not exist.
20005	OrderType mismatch.
20006	The sum of all order rows cannot be zero or negative.
20013	Order is pending
20014	OrderAlternateDeliveryAddressNotAllowed
20019	ClientOrderNumberAlreadyExists
20021	NoOrderRows
20023	DiscountPercentNotAllowed
20024	InvalidVatPercent

### Invoice

Value	Description
24000	Invoice amount exceeds the authorized amount.

### Credit Invoice

Value	Description
24500	The invoice to credit does not exist.
24501	The invoice to credit does not belong to this order.
24502	Credit amount exceeds invoiced amount.
24503	The invoice to credit is not approved.

### PaymentPlan

Value	Description
<b>27000</b>	The provided campaigncode-amount combination does not match any campaign code attached to this client.
<b>27001</b>	Can not deliver order since the specified pdf template is missing. Contact SveaWebPay's support.
<b>27002</b>	Can not partial deliver a PaymentPlan.
<b>27003</b>	Can not mix CampaignCode with a fixed Monthly Amount.
<b>27004</b>	Can not find a suitable CampaignCode for the Monthly Amount.

### Credit Information

Value	Description
<b>30000</b>	The credit report was rejected.
<b>30001</b>	The customer is blocked or has shown strange or unusual behavior.
<b>30002</b>	Based upon the performed credit check the request was rejected.
<b>30003</b>	Customer cannot be found by credit check.
<b>30004</b>	The Customer's credit limit has been reached

### Customer Identification

Value	Description
<b>40000</b>	No customer found.
<b>40001</b>	The provided CountryCode is not supported.
<b>40002</b>	Invalid Customer information
<b>40003</b>	Invalid Co-Customer information
<b>40004</b>	Could not find any addresses for this customer.
<b>40005</b>	CustomerIsNotPreApproved

### Request Validation

Value	Description
<b>50000</b>	Client is not authorized for this method.
<b>50001</b>	OrderType is required.
<b>50002</b>	AddressSelector is not valid for this CountryCode.
<b>50003</b>	CreatePaymentPlanDetails must be null when OrderType is Invoice.
<b>50004</b>	CreatePaymentPlanDetails must not be null when OrderType is PaymentPlan.
<b>50005</b>	Missing Identification Value.
<b>50006</b>	No order amount limits exists for this client.
<b>50007</b>	Invalid applicant CountryCode.
<b>50008</b>	InvoiceDistributionType is required.
<b>50009</b>	DeliverInvoiceDetails must not be null.
<b>50010</b>	InvoiceToCredit must be null.
<b>50011</b>	InvoiceToCredit must not be null.
<b>50012</b>	OrderInformation is required.
<b>50013</b>	CustomerIdentity is required.
<b>50014</b>	Invalid input value. See ErrorMessage for description.
<b>50015</b>	The specified OrderType is invalid.
<b>50016</b>	The order does not belong to this client.

50017	Missing applicant CountryCode.
50018	The OrderDate is invalid.
50019	An Individual-type CustomerIdentity cannot have a CompanyIdentity-structure.
50020	A Company-type CustomerIdentity cannot have an IndividualIdentity-structure.
50021	IndividualIdentity must be null for Individuals for this country.
50022	CompanyIdentity must be null for Companies for this country.
50023	The provided AddressSelector is invalid.
50024	AddressProvider is not supported for this CustomerType.
50025	The zip code is not valid for this country.
50028	CloseOrderInformationIsRequired
50029	AddressInformationIsRequired
50030	InvalidCountryCodeGetAddresses
50031	ZipCodeShouldBeNullForCompanies
50032	InvalidVatAmount
50036	PriceIncludingVat mismatch
50037	The provided print type is not valid
50038	The provided DistributionType is not valid.
50039	The provided DistributionType is not valid for the client country.
50050	Partial delivery is only allowed for Payment plan and Invoice.

### Account credit

Value	Description
70000	Account credit does not exist.
70001	Unable to find a campaign.
70002	The sum of the order is lower than the minimum allowed for account credit orders.
70003	Unable to find an account credit campaign with the given campaign code.
70004	Cannot cancel account credit.
70005	AccountCreditsToRetrieve must contain at least one entry.
70006	Account credit amount exceeds the authorized orders amount.

If the returned ResultCode is not present in the above tables please contact SveaWebPay for further information.

### Request examples

Please note that all examples have attached xml-documents. If you have lost the example files please contact SveaWebPay to get them sent to you again.

### Invoice

This section describes how to create an invoice with our methods as well as delivering it. Begin with doing an CreateOrder request with OrderType = Invoice. When you get a successful response from the web service you should save the SveaOrderId for further use.

When you have created your order you can now turn it into a real invoice and deliver it to the customer via the DeliverOrderEu-method.

### PaymentPlan

This section describes how to create a paymentplan with our methods as well as delivering it. Begin with doing an CreateOrder request with OrderType = PaymentPlan. When you get a successful response from the web service you should save the SveaOrderId for further use.



When you have created your order you can now turn it into a payment plan and deliver it to the customer via the DeliverOrderEu-method.

**CloseOrder**

To close an order just call CloseOrderEu with the SveaOrderId of the order that you want to close.

## Calculation examples

### Using of GetPaymentPlanParamsEu instead of GetPaymentPlanOptions

The advantage of using GetPaymentPlanParamsEu instead of using GetPaymentPlanOptions is that there won't be any calculations done at SveaWebPay which speed up the page where the call is executed.

#### Exempel:

You have a product that costs 129 SEK and wants to show a small box where the customer can see the minimum amount to pay per month.

Run a GetPaymentPlanParamsEu-request and get the values.

Start with sorting out the possible payment plans by comparing the product prize with FromAmount and ToAmount.

In this case this is the only valid CampaignCode.

```
<CampaignCodeInfo>
<CampaignCode>999999</ CampaignCode >
<Description>Dela upp betalningen på 24 månader</Description>
<PaymentPlanType>Standard</PaymentPlanType>
<ContractLengthInMonths>24</ContractLengthInMonths>
<MonthlyAnnuityFactor>0.050020791054524637</MonthlyAnnuityFactor>
<InitialFee>0</InitialFee>
<NotificationFee>29</NotificationFee>
<InterestRatePercent>18.2</InterestRatePercent>
<NrOfInterestFreeMonths>0</NrOfInterestFreeMonths>
<NrOfPaymentFreeMonths>0</NrOfPaymentFreeMonths>
<FromAmount>1</FromAmount>
<ToAmount>30000</ToAmount>
</ CampaignCodeInfo >
```

The lowest amount to pay then becomes  $129 * 0.05... + 29 = 35,45$  round upwards -> 36 SEK per month.. ( ProductPrice \* MonthlyAnnuityFactor + NotificationFee )

To retrieve the total amount to pay, calculate like this:

InitialFee + (ProductPrice \* MonthlyAnnuityFactor + NotificationFee) \*ContractLengthInMonths.

Which in this case becomes:  $0 + \text{Round}(129 * 0.05 + 29) * 24 \Rightarrow 36 * 24 = 864$ .