Request for order registration with pre-authorization, shopping cart (registerPreAuth.do)

The request used for registering an order on payment system side is `registerPreAuth.do`.

Requests for registration of an order (with- and without pre-authorization) pass the cart data in the `orderBundle` parameter.

- Prices of all the items within the cart must be specified in one currency (if the currency of an item is to be specified); and this currency must match the currency of the order.
- The sum of all line items in the shopping cart must be equal to the order amount.
- A passed value of the `quantity` parameter is to be checked for each line item. If the value is too large or too small, the request will result in an error.
- All the parameters of the cart are to be checked for meeting the required format (length).

If at least one of the above conditions is not met, the order is considered incorrectly generated and the payment gateway returns an error.

In this document, the following data type conventions are used when describing request and response parameters:

- A<n> – a sequence of Latin letters of length <n>;
- A..<n> – a sequence of Latin letters with a length not exceeding <n>;
- N<n> – a sequence of digits of length <n>;
- N..<n> – a sequence of digits with a length not exceeding <n>;
- AN<n> – a sequence of Latin letters and numbers of fixed length <n>;
- AN.. <n> – a sequence of Latin letters and numbers with a length not exceeding <n>;
- ANS<n> – a sequence of Latin letters, numbers and characters of fixed length <n>
- ANS.. <n> – a sequence of Latin letters, numbers and characters with a length not exceeding <n>;
- UTC – date and time, in this case: the date must be passed without specifying the time zone, Moscow time, for the SOAP protocol, the standard encoding xs: dateTime is used.

Request parameters

The request parameters are given in table below.

Name	Type	Mandatory	Description	FFD version

Name	Type	Mandatory	Description	FFD version
userName	AN..30	no (either login/password or token must be specified)	Login of the service account of the merchant. If login and password are used for authentication during token registration, then the `token` parameter does not need to be passed.	All versions.
password	AN..30	no (either login/password or token must be specified)	Merchant's service account password. If login and password are used for authentication during token registration, then the `token` parameter does not need to be passed.	All versions.
token	AN..30	no (either login/password or token must be specified)	A value that is used to authenticate the merchant when sending requests to the payment gateway. When passing this parameter, the parameters `userName` and `password` no need to transfer. To get the public key, contact technical support.	All versions.
orderNumber	ANS..32	Yes	Number (identifier) of the order in the store system. It is unique for every store within the Payment Gateway. If the order number is generated on the Payment Gateway side, this parameter is not mandatory.	All versions.
amount	N..12	Yes	Payment amount in minimum currency units (kopecks, cents, etc.). Must match the total amount for all line items in the shopping cart. Before summing up all line items, the product of quantity and price for each good item is rounded to an integer. If the value is followed by 5 or greater after the decimal point, it is rounded up. Below there are examples of rounding. 1. If quantity = 0.111, and price = 5500, then the result is 611 (610.5 rounded up). 2. If quantity = 1.455, and price = 6900, then the result is 10040 (10039.5 rounded up). 3. If quantity = 1.211, and price = 6988, then the result is 8462 (8462.468 rounded down). Therefore, the «amount» parameter value must be equal to the sum of the line items rounded.	All versions.
currency	N3	No	ISO 4217 code of the payment currency. If not specified, default value is used.	All versions.
returnUrl	ANS..512	Yes	The URL to which the user is to be redirected in case of a successful payment (and also in case of a failed payment where the `failUrl` parameter is not passed). The address must be specified in full including the protocol used (for example, **https://test.ru** instead of **test.ru**). Otherwise, the user will be redirected to the address of the following type: **http://<payment_gateway_address>/<merchant_address>**.	All versions.
failUrl	ANS..512	No	The address to which the user is to be redirected in case of a failed payment. The address must be specified in full including the protocol used (for example, **https://test.ru** instead of **test.ru**). Otherwise, the user will be redirected to the address of the following type: **http://<payment_gateway_address>/<merchant_address>**. The parameter is optional. In this case, an unsuccessful payment will lead to a redirect to `returnUrl`, in the same way it happens when the payment is successful.	All versions.
description	ANS..512	No	Description of the order in free form. To enable sending this field to the processing system, contact the technical support service.	All versions.
language	A2	No	Language in the ISO 639-1 encoding. If the language is not specified, the default language defined in the store settings is used.	All versions.

Name	Type	Mandatory	Description	FFD version
pageView	ANS..20	No	The value of this parameter defines what kind of pages of the payment interface will be loaded for the Customer. The available values are: • DESKTOP – pages designed to be displayed on desktop computers (pages with names like payment_<locale>.html and errors_<locale>.html will be searched for in the payment service archive); • MOBILE – pages designed to be displayed on mobile devices (pages with names like mobile_payment_<locale>.html and mobile_errors_<locale>.html will be searched for in the payment service archive); • If a store has created payment interface pages with arbitrary prefixes added to the names of page files, pas the value of the necessary prefix in the pageView parameter to load corresponding pages. For example on passing the iphone value, a search will be carried out in the archive of payment interface pages for pages with the iphone_payment_<locale>.html and iphone_error_<locale>.html names. Where: • locale – the language of the page in ISO 639-1. For example, ru for Russian or en for English. If the parameter is missing or its value is in incorrect format, the default value is pageView=DESKTOP.	All versions.
clientId	ANS..255	No	Identifier of the Customer in the Store system. This parameter is used for the binding functionality. May be present if the store is allowed to create bindings. Specifying this parameter when processing payments with the use of bindings is mandatory. Otherwise, a payment will be unsuccessful.	All versions.
merchantLogin	AN..255	No	To register an order on behalf of a child Merchant, specify the Merchant login in this parameter.	All versions.
jsonParams	String	No	Block for transferring additional parameters of the merchant. Fields of additional information for further storage are transferred in the following form. {name1:value1,…,nameN:valueN} These fields can be transferred to the bank processing for subsequent display in the registers. The inclusion of this functionality is possible by agreement with the bank during the integration period. If sending notifications from merchant to customer is enabled, the customer's email address must be passed in this block in the email parameter. The following can be passed as additional parameters: • «email» – if the customer's email address is passed, it will be displayed on the payment page; • phone – if the customer's cell phone number is passed, it will be displayed on the payment page; • «backToShopUrl» – if this parameter is passed, the payment page will display a button for returning the customer to the store. Specify the address of the store's website in this parameter. • «backToShopName» – the caption on the return-to-store button that will be displayed if the parameter «backToShopUrl» is passed. It is forbidden to pass reserved names in the parameter (if they are passed, the order may be rejected): • sbrf_spasibo:amount_bonus • sbrf_sbermiles:amount_bonus • loyaltyId	All versions.

Name	Type	Mandatory	Description	FFD version
sessionTimeoutSecs	N..9	No	Order lifetime in seconds. If the parameter is not specified, the value specified in the Merchant settings or the default value (1200 seconds = 20 minutes) will be used. If the request contains the expirationDate parameter, then the value of sessionTimeoutSecs parameter is disregarded.	All versions.
expirationDate	UTC	No	The date and time of the order lifetime expiration. Format: yyyy-MM-ddTHH:mm:ss. If this parameter is not passed in the request, sessionTimeoutSecs parameter is used to determine the end of lifetime of the order.	All versions.
bindingId	AN..255	No	The identifier of the previously created binding. Can only be used if the merchant has permission to work with bindings. If this parameter is passed in the given request, it means that: 1. The given order can be paid only using a binding; 2. The payer will be redirected to the payment page on which only entering CVC is required.	All versions.
additionalOfdParams	Data block for transferring additional parameters of the OFD	Yes	Some parameters of additionalOfdParams block duplicate parameters of cartItems.items.itemAttributes block. The additionalOfdParams block is included for all line items of the order, whereas cartItems.items.itemAttributes applies to individual items. If the additionalOfdParams and cartItems.items.itemAttributes and additionalOfdParams blocks pass different values, then the priority value will be the one that was passed in cartItems.items.itemAttributes, that is, for an individual position. The transfer of this block is possible only when using the following OFDs: • ATOL; • Business.Ru; • Evotor. (Go to description.)	
orderBundle	Not applicable	Yes	Block containing the cart of items of the order. The description of the attributes is given below. (Go to description.)	All versions.
taxSystem	N..2	No	Tax system. The following values are available: • 0 – general; • 1 – simplified, with only revenue taken into account; • 2 – simplified, the revenue minus the expenditure; • 3 – uniform tax on imputed income; • 4 – unified agricultural tax; • 5 – patent tax system. If the cart and fiscalization data are not included in the request, then the default values specified in the personal account are passed to the Fiscal Data Operator (see User Manual for personal account).	All versions.
autocompletionDate	ANS..19	No	Date and time of the two-phase payment autocompletion in the following format. 2017-12-29T13:02:51 To enable this functionality, please contact technical support.	All versions.
billingPayerData	See description	No	Customer's registration data (street address, postal code). Required for AVS/AVV checks. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant	All versions.

By default, the following fields are passed to the Bank processing system:

- `orderNumber` – order number in the store system;
- `description` – order description (no more than 24 characters; %, +, carriage return \r, and line feed \n cannot be used).

billingPayerData

billingPayerData block parameters

Name	Type	Mandatory	Description
billingCity	AN..50	No	City registered for the card at the Issuer Bank.
billingCountry	AN..50	No	
billingAddressLine1	AN..50	No	Address registered for the card at the Issuer Bank. Line 1. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant.
billingAddressLine2	AN..50	No	Address registered for the card at the Issuer Bank. Line 2.
billingAddressLine3	AN..50	No	Address registered for the card at the Issuer Bank. Line 3.
billingPostalCode	AN..50	No	Postal code registered for the card at the Issuer Bank. Mandatory if «AVS/AVV use allowed» permission is enabled for merchant.
billingState	AN..50	No	State registered for the card at the Issuer Bank (ISO 3166-2).

orderBundle

`orderBundle` contains the following elements.

Name	Type	Mandatory	Description	FFD version
orderCreationDate	ANS..21	No	Order creation date in the format YYYY-MM-DDTHH:MM:SS.	All versions.
customerDetails	Not applicable	No	Block containing attributes with data about the customer. The description of the attributes is given below. (Go to description.)	All versions.
cartItems	Not applicable	Yes	Block with the attributes of the items in the cart. The description of the attributes is given below. (Go to description.)	All versions.

customerDetails

`customerDetails` contains the following elements.

Name	Type	Mandatory	Description	FFD version

Name	Type	Mandatory	Description	FFD version
email	ANS..40	See note below.	Customer's email address.	All versions.
phone	NS..12	See note below.	Customer's phone number. It can be of the following format: `^((+7|7|8)?([0-9]){10})$`. Examples: • `+79000000000` • `89000000000` • `9000000000` • `79000000000` If the number is passed in a separate parameter and in additional parameters, the number specified in this `phone` parameter will be used. When using ATOL fiscalization, the `phone` parameter should be sent in the following format: The phone number must be passed together with the country code without spaces and additional characters except for the quotation marks (the number «371 2 1234567» must be passed as «+37121234567»). If the phone number belongs to Russia (prefix «+7»), then the value can be passed without a prefix (the number «+79251234567» can be sent as «9251234567»). The maximum string length is 64 characters. One of the fields must be filled in the request: `email` or `phone`.	All versions.
contact	ANS..40	No	Customer's preferred way of communication.	All versions.
deliveryInfo	Not applicable	No	Block containing the attributes of the delivery address. The description of the attributes is given below. ([Go to description.](#))	All versions.
fullName	ANS..100	No	Payer's first name, last name, and patronymic.	1.05 and later versions.
passport	ANS..100	No	The series and number of the payer's passport in the following format: 2222888888.	1.05 and later versions.
inn	N..12	No	Taxpayer identification number. From 10 to 12 digits can be passed.	1.05 and later versions.

It is mandatory to pass one of the two parameters: `email` or `phone`.

deliveryInfo

`deliveryInfo` contains the following elements.

Name	Type	Mandatory	Description	FFD version
deliveryType	ANS..20	No	Delivery method.	All versions.
country	A..2	Yes	The two-letter country code for the delivery country.	All versions.
city	ANS..40	Yes	Delivery city.	All versions.
postAddress	ANS..255	Yes	Delivery address.	All versions.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

cartItems

`cartItems` contains the following elements.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
items	Not applicable	Yes	Array of blocks describing line items in the cart. Information about every line item in the cart is passed in a separate block that is included in items. Do not use «')«character combination inside this section, or it will cause an error on the gateway side. ([Go to description.](#))	All versions.

items

`items«` contains the following elements.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
positionId	ANS..12	Yes	Unique identifier of a line item within the order cart.	All versions.

Name	Type	Mandatory	Description	FFD version
Name name **Type** ANS..100 **Description** **REST** Name or the description of an item in any format. Use - to pass \ use \«- to pass » **REST Online Lending** For Online Lending functionality, it's necessary to specify a description of the line item in accordance with the Yandex.Market catalog, subject to the following requirements: • **The following words and character sequences are not allowed**: file, exec, insert, as, select, or, procedure, limit, order, and, or, by, asc, desc, delete, update, distinct, having, truncate, replace, handler, like, regex, tz_offset, to_timestamp_tz, bfilename, union, sql-command, abort, alter, analyze, begin, audit, checkpoint, close, cluster, comment, commit, copy, create, deallocate, declare, delete, drop, end, execute, explain, fetch, grant, insert, lock, move, noaudit, notify, prepare, reindex, rename, reset, revoke, rollback, savepoint, select, set, show, shutdown, start, truncate, unlisten, update, vacuum • **The following special characters are not allowed**: ' & – # % | ; = **WS** Name or the description of an item in any format. Use - to pass \ use \«- to pass » **WS Online Lending** For online crediting functionality it's necessary to specify a description of the good item in accordance with the Yandex.Market.	ANS..100	Yes	Name or the description of an item in any format. Use - to pass \ use \«- to pass »	All versions.

Name	Type	Mandatory	Description	FFD version
itemDetails	Not applicable	No	Additional block containing the parameters describing a line item. The description of the attributes is given below. The field size limit is 1024 bytes. ([Go to description](#).)	All versions.
quantity	N..18	Yes	Element describing the total of items of one `positionId` and its unit of measurement The description of the attributes is given below. ([Go to description](#).)	All versions.
itemAmount	N..18	No	The sum of the cost of all line items of one `positionId` in minimum currency units. Passing `itemAmount` is mandatory only if the `itemPrice` parameter was not passed. Otherwise passing of `itemAmount` is not required. If both parameters – itemPrice and itemAmount – are passed. then itemAmount must be equal to itemPrice * quantity, otherwise, the request will result in an error. When calculating itemAmount = itemPrice*quantity parameter, the result is rounded up to the second digit after the decimal point. For example, if the calculation result is 100.255, then final value will be 100.26.	All versions.
itemCurrency	N3	No	Currency code of a line item according to ISO 4217. If the parameter is not specified, it is considered to be equal to the order currency.	All versions.
itemCode	ANS..100	Yes	Number (identifier) of a line item in the store system.	All versions.
tax	Not applicable	Only for stores with enabled fiscalization settings	An additional tag with attributes describing the tax. Nested tags are described below. ([Go to description](#).)	All versions.
itemPrice	N..18	Only for stores with enabled fiscalization settings	The cost of one line item in minimum currency units. Mandatory for merchants using fiscalization. • itemPrice cannot be less than 0. • itemPrice may be either string or integer.	All versions.

Name	Type	Mandatory	Description	FFD version
itemAttributes	See description.	Only for stores with enabled fiscalization settings	Block containing the attributes of the item.	1.05 and later versions.

==== itemAttributes ====

Name	Type	Mandatory	Description	FFD version
paymentMethod	N..2	Yes	Payment type. Possible values: • 1 – full pre-payment before the delivery date of the payment subject; • 2 – partial pre-payment before the delivery date of the payment subject; • 3 – advance payment; • 4 – full payment on the delivery date of the payment subject; • 5 – partial payment for the payment subject on the delivery date followed by payment on credit; • 6 – delivery of the payment subject on the delivery date without payment followed by payment on credit; • 7 – payment for the payment subject after its delivery using payment on credit. Values are passed in the following priority (indicated in descending order of priority): 1. Shopping cart from API request. 2. Fiscalization settings in your personal account. 3. Default values. For paymentMethod, the default value is 1 (full prepayment before the transfer of the payment item).	1.05 and later versions.

Name	Type	Mandatory	Description	FFD version
paymentObject	N..2	Yes	Type of item being paid for. Possible values: • 1 – product; • 2 – excisable product; • 3 – work; • 4 – service; • 5 – gambling bet; • 6 – gambling winnings; • 7 – lottery ticket; • 8 – lottery winnings; • 9 – intellectual property; • 10 – payment; • 11 – agent's fee; • 12 – several subjects; • 13 – other payment subject. • 14 – property rights; • 15 – non-operating income; • 16 – insurance premiums: on the amount of expenses that reduce the amount of tax (advance payments) in accordance with paragraph 3.1 of Article 346.21 of the Tax Code of the Russian Federation; • 17 – sales tax; • 18 – resort tax. Values are passed in the following priority (indicated in descending order of priority): 1. Shopping cart from API request. 2. Fiscalization settings in your personal account. 3. Default values. The default value for paymentObject is 1 (item).	1.05 and later versions.
nomenclature	ANS	yes (if markQuantity is passed)	Trade item code in text representation. Maximum length – 32 bytes.	1.05 and later versions.
markQuantity (Go to description.)		No	Fractional quantity of the labeled item.	1.2 and later versions.

Name	Type	Mandatory	Description	FFD version
userData	ANS..64	No	Value of user details. May be transferred only after approval by Federal Tax Service.	1.05 and later versions.
agent_info.type	N..2	Mandatory if `agent_info` object is passed.	Agent type. The following values are available: • 1 – banking payment agent; • 2 – banking payment subagent; • 3 – payment agent; • 4 – payment subagent; • 5 – attorney; • 6 – commission agent; • 7 – other agent.	1.05 and later versions.
agent_info.paying.operation	ANS..24	No	Name of the transaction of the paying agent.	1.05 and later versions.
agent_info.paying.phones	array ANS..19	No	Phone numbers array of the payments agent in +N format.	1.05 and later versions.
agent_info.paymentsOperator.phones	Array ANS..19	No	Phone numbers array of the payments operator in +N format.	1.05 and later versions.
agent_info.MTOperator.phones	array ANS..19	No	An array of Money Transfer operator phone numbers in +N format.	1.05 and later versions.
agent_info.MTOperator.name	ANS..64	No	Money Transfer operator name.	1.05 and later versions.
agent_info.MTOperator.address	ANS..256	No	Money Transfer operator address.	1.05 and later versions.
agent_info.MTOperator.inn	N10..12	No	Money Transfer operator TIN.	1.05 and later versions.
supplier_info.phones	Array ANS..19	No	An array of supplier phone numbers in +N format.	1.05 and later versions.
supplier_info.name	ANS..256	No	Supplier name.	1.05 and later versions.
supplier_info.inn	N10..12	No	Supplier TIN.	1.05 and later versions.

==== quantity ==== quantity `contains the following elements.`

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
value	N..18	Yes	Quantity of line items in given `positionId`. Use a decimal point as a separator in fractions.	All versions.
measure	ANS..20	Yes	The unit of measurement for the quantity of line item instances.	All versions.

If the FFD is version 1.2 or later, then the following parameters are passed here:

Name	Type	Mandatory	Description	FFD version
value	N1	Yes	Quantity of line items in given `positionId`. For FFD version 1.2+, the value is always 1.	1.2 and later versions.
measure	N..3	Yes	Unit of measurement for the quantity of the payment subject. In case of FFD version 1.2+, if the 'nomenclature' and 'markQuantity' parameters are passed, the value is always 0. In other cases, it can have some value.	1.2 and later versions.

Possible values of **measure**

Value	Description
0	Used for payment subjects that can be sold individually or in units (as well as in the event that the payment subject is a product subject to mandatory labeling with an identification tool (which can be known from `mark_code` being passed))
10	Gram
11	Kilogram
12	Ton
20	Centimeter
21	Decimeter
22	Meter
30	Square centimeter
31	Square decimeter
32	Square meter
40	Milliliter
41	Liter
42	Cubic meter
50	Kilowatt hour
51	Gigacalorie
70	Day (24h)
71	Hour
72	Minute
73	Second
80	Kilobyte
81	Megabyte
82	Gigabyte
83	Terabyte
255	Applicable when using other units of measurement

==== markQuantity ====

Parameters of **markQuantity** tag:

A parameter included in a tag and indicated as mandatory is only mandatory within that tag. If the tag itself is not mandatory and is not passed, its included parameters should not be passed.

Name	Type	Mandatory	Description
numerator	N..12	yes	The numerator of the fractional part of the payment subject.

Name	Type	Mandatory	Description
denominator	N..12	yes	The denominator of the fractional part of the payment subject.

==== itemDetails ==== 'itemDetails contains the following elements.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
itemDetailsParams	ANS..255	Yes	Additional information on a line item. The parameter represents an array of blocks each of which contains information on a certain characteristic of the line item. ([Go to description](.).)	All versions.

itemDetailsParams

'itemDetailsParams contains the following elements.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
value	ANS..255	Conditional. Mandatory if itemDetailsParams parameter is present.	Additional information on a line item.	All versions.
Name name **Type** AN..255 **Type2** ANS..255 **Description** REST Name of the parameter describing the details of a line item WS Name of the parameter describing the details of a line item	AN..255	Conditional. Mandatory if itemDetailsParams parameter is present.	Name of the parameter describing the details of a line item	All versions.

==== tax ==== tax contains the following elements.

A parameter included in a block and indicated as mandatory is only mandatory within that block. If the section is optional and missing, then the parameters included in it should not be passed.

Name	Type	Mandatory	Description	FFD version
taxType	N..2	No	VAT rate. The following values are available: • 0 – without VAT; • 1 – VAT at rate of 0%; • 2 – receipt VAT at rate of 10%; • 4 – receipt VAT at calculated rate of 10/110; • 6 – receipt VAT at rate of 20%; • 7 – receipt VAT at calculated rate of 20/120. If the cart and fiscalization data are not included in the request, then the default values specified in the personal account are passed to the Fiscal Data Operator (see User Manual for personal account).	All versions.
taxSum	N..18	No	Amount of the tax calculated by the merchant. The amount is specified in minimum currency units	All versions.

==== additionalOfdParams ==== additionalOfdParams `contains the following elements.`

Name	Type	Mandatory	Description	FFD version
agent_info.type	N..2	Mandatory if agent_info object is passed.	Agent type. The following values are available: • 1 – banking payment agent; • 2 – banking payment subagent; • 3 – payment agent; • 4 – payment subagent; • 5 – attorney; • 6 – commission agent; • 7 – other agent.	1.05 and later versions.
agent_info.paying.operation	ANS..24	No	Name of the transaction of the paying agent.	1.05 and later versions.

Name	Type	Mandatory	Description	FFD version
agent_info.paying.phones	array ANS..19	No	Phone numbers array of the payments agent in +N format.	1.05 and later versions.
agent_info.paymentsOperator.phones	Array ANS..19	No	Phone numbers array of the payments operator in +N format.	1.05 and later versions.
agent_info.MTOperator.address	ANS..256	No	Money Transfer operator address.	1.05 and later versions.
agent_info.MTOperator.inn	N10..12	No	Money Transfer operator TIN.	1.05 and later versions.
agent_info.MTOperator.name	ANS..64	No	Money Transfer operator name.	1.05 and later versions.
agent_info.MTOperator.phones	array ANS..19	No	An array of Money Transfer operator phone numbers in +N format.	1.05 and later versions.
supplier_info.phones	Array ANS..19	No	An array of supplier phone numbers in +N format.	1.05 and later versions.
cashier	A..256	No	Cashier full name	1.05 and later versions.
additional_check_props	ANS..16	No	Additional property of the receipt.	1.05 and later versions.
additional_user_props.name	ANS..24	No	Name of the additional property of the user.	1.05 and later versions.
additional_user_props.value	ANS..24	No	Value of the additional property of the user.	1.05 and later versions.
cashier_inn	N..12	No	Cashier's INN	1.2 and later versions.
client.address	ANS..256	No	Customer address.	1.2 and later versions.
client.birth_date	NS10	No	Customer birth date as dd.mm.yyyy	1.2 and later versions.

Name	Type	Mandatory	Description	FFD version
client.citizenship	N3	No	Country numeric code of the county of Customer's citizenship. The country code is specified according to All-Russian World Countries Classifier (OKSM)	1.2 and later versions.
client.document_code	N2	No	Identification document type numeric code (for example, **21** stands for Russian Passport).	1.2 and later versions.
client.passport_number	NS11	No	Series and number of the payer's passport: 1111 222222	1.2 and later versions.
client.email	ANS..64	No	Customer's email address. Exactly one of the two fields must be passed: email or phone.	1.2 and later versions.
client.phone	NS..19	No	Customer's phone number. Must be passed with the country code without spaces and additional characters (except for + character). For example, the number «+371 2 1234567» should be passed as «+37121234567»). Exactly one of the two fields must be passed: email or phone.	1.2 and later versions.
client.inn	N12	No	INN of the buyer.	1.2 and later versions.
client.name	ANS..256	No	Customer name.	1.2 and later versions.

Name	Type	Mandatory	Description	FFD version
operatingCheckProps.name	ANS	No	Operation ID The value is «0» until the value of Russia's Federal Tax Service attribute is determined.	1.2 and later versions.
operatingCheckProps.name	ANS	No	Operation ID The value is «0» until the value of Russia's Federal Tax Service attribute is determined.	1.2 and later versions.
operatingCheckProps.timestamp	NS19	No	Date and time of the operation in `dd.mm.yyyy HH:MM:SS` format	1.2 and later versions.
operatingCheckProps.value	ANS..64	No	Operation data.	1.2 and later versions.
sectoralCheckProps.date	NS10	No	Date of the legislative act of the federal body of executive power that sets forth the requirements for assigning the value of «sectoral attribute». Format: `dd.mm.yyyy`.	1.2 and later versions.
sectoralCheckProps.federalId	ANS	No	Identifier of federal body of executive power. Must be one of the values from directory of federal bodies of executive power	1.2 and later versions.
sectoralCheckProps.number	N..32	No	Number of the legislative act of the federal body of executive power that sets forth the requirements for assigning the value of «sectoral attribute».	1.2 and later versions.
sectoralCheckProps.value	ANS..256	No	A set of values defined by the legislative act of the federal body of executive power.	1.2 and later versions.

===== Response parameters ===== The response parameters are given in table below.

Name	Type	Mandatory	Description	
orderId	ANS36	No	Identifier of the order in the payment system. It is unique within the system. Missing if order registration failed due to an error detailed in ErrorCode.	All versions.
formUrl	AN..512	No	URL of the payment form to which the Customer's browser is to be redirected. This parameter is not returned if the registration of the order was not successful due to the error described in `errorCode`.	All versions.
errorCode	N3	No	Error code. Can be missing if the result has not caused an error.	All versions.
errorMessage	AN..512	No	Error description in the language passed in the `language` parameter in the request.	All versions.

===== Error codes =====

Error code	Error text
0	The request has been processed without system errors.
1	An order with this number has already been processed.
1	Wrong order number.
3	Unknown currency.
4	Order number is empty
4	Merchant name cannot be empty.
4	The amount is missing.
4	Empty return URL
4	Password cannot be empty.
5	Access denied.
5	The user is inactive.
7	System error.
8	`[orderBundle.cartItems.totalAmount]` the sum of items in the cart does not match the total.
8	Additional parameter `amount_bonus` is not allowed if the request contains a cart.
8	`[orderBundle.cartItems.item.quantity.value]` Too high or too low value.

===== Examples ==== ==== POST request example ==== <sxh javascript>
userName=username-api&password=testPwd&amount=47000&language=ru&returnUrl=http://yoursite.com&orderBundle={«customerDetails»:{«phone»:»%2B79888888877«,»inn«:«516974792202»,»passport«:«4507 443564»},»cartItems«:{«items»:[{«positionId»:1,»name«:«По-аджарски \»Лодочка\»
SMALL«,»quantity«:{«value»:«1»,»measure«:«0»},»itemCode«:«270_235.00»,»itemPrice«:23500,»tax«:{«taxType»:0,»taxSum«:0},»itemAttributes«:{«attributes»:[{«name»:«nomenclature»,»value«:«010463003407001221CMK45BrhN0WLf»},{«name»:«paymentMethod»,»value«:«1»},{«name»:«paymentObject»,»value«:«30»},{«name»:«agent_info.type»,»value«:«7»},{«name»:«agent_info.paying.operation»,»value«:«test
operation»},{«name»:«agent_info.paying.phones»,»value«:»%2B79161234123«},{«name»:«agent_info.paymentsOperator.phones»,»value«:»%2B79161234456«},{«name»:«agent_info.MTOperator.phones»,»value«:»%2B79161234789«},{«name»:«agent_info.MTOperator.name»,»value«:«MT operator»},{«name»:«agent_info.MTOperator.address»,»value«:«Moscow»},{«name»:«agent_info.MT

Operator.inn»,»value«:«8634330204»},{«name»:«supplier_info.phones»,»value«:»%2B79161234333«},{«name»:«supplier_info.name»,»value«:«Supplier»},{«name»:«supplier_info.inn»,»value«:«287381373424»},{«name»:«excise»,»value«:«10.0»},{«name»:«country_code»,»value«:«810»},{«name»:«declaration_number»,»value«:«12332234533»},{«name»:«userData»,»value«:«user data»},{«name»:«markQuantity.numerator»,»value«:«1»},{«name»:«markQuantity.denominator»,»value«:«2»},{«name»:«sectoralItemProps[0].federalId»,»value«:«001»},{«name»:«sectoralItemProps[0].date»,»value«:«10.10.2021»},{«name»:«sectoralItemProps[0].number»,»value«:«123/4567»},{«name»:«sectoralItemProps[0].value»,»value«:«value1»},{«name»:«sectoralItemProps[1].federalId»,»value«:«003»},{«name»:«sectoralItemProps[1].date»,»value«:«11.10.2021»},{«name»:«sectoralItemProps[1].number»,»value«:«321/4567»},{«name»:«sectoralItemProps[1].value»,»value«:«value2»}]}},{«positionId»:2,»name«:«Пирожок»,»quantity«:{«value»:«1»,»measure«:«0»},»itemCode«:«270_235.00»,»itemPrice«:23500,»tax«:{«taxType»:0,»taxSum«:0},»itemAttributes«:{«attributes»:[{«name»:«nomenclature»,»value«:«010463003407001221CMK45BrhN0WLf»},{«name»:«paymentMethod»,»value«:«1»},{«name»:«paymentObject»,»value«:«30»},{«name»:«agent_info.type»,»value«:«7»},{«name»:«agent_info.paying.operation»,»value«:«test operation»},{«name»:«agent_info.paying.phones»,»value«:»%2B79161234123«},{«name»:«agent_info.paymentsOperator.phones»,»value«:»%2B79161234456«},{«name»:«agent_info.MTOperator.phones»,»value«:»%2B79161234789«},{«name»:«agent_info.MTOperator.name»,»value«:«MT operator»},{«name»:«agent_info.MTOperator.address»,»value«:«Moscow»},{«name»:«agent_info.MTOperator.inn»,»value«:«8634330204»},{«name»:«supplier_info.phones»,»value«:»%2B79161234333«},{«name»:«supplier_info.name»,»value«:«Supplier»},{«name»:«supplier_info.inn»,»value«:«287381373424»},{«name»:«excise»,»value«:«10.0»},{«name»:«country_code»,»value«:«810»},{«name»:«declaration_number»,»value«:«12332234533»},{«name»:«userData»,»value«:«user data»},{«name»:«markQuantity.numerator»,»value«:«1»},{«name»:«markQuantity.denominator»,»value«:«2»},{«name»:«sectoralItemProps[0].federalId»,»value«:«001»},{«name»:«sectoralItemProps[0].date»,»value«:«10.10.2021»},{«name»:«sectoralItemProps[0].number»,»value«:«123/4567»},{«name»:«sectoralItemProps[0].value»,»value«:«value1»},{«name»:«sectoralItemProps[1].federalId»,»value«:«003»},{«name»:«sectoralItemProps[1].date»,»value«:«11.10.2021»},{«name»:«sectoralItemProps[1].number»,»value«:«321/4567»},{«name»:«sectoralItemProps[1].value»,»value«:«value2»}]}}]}} </sxh>

==== Пример ответа ====

<sxh javascript> {«orderId»:«b089befe-127a-75e4-a68f-918c0128092a»,»formUrl«:«https://3dsec.sberbank.ru/payment/merchants/789/payment_ru.html?mdOrder=b089befe-127a-75e4-a68f-918c0128092a»} </sxh>