

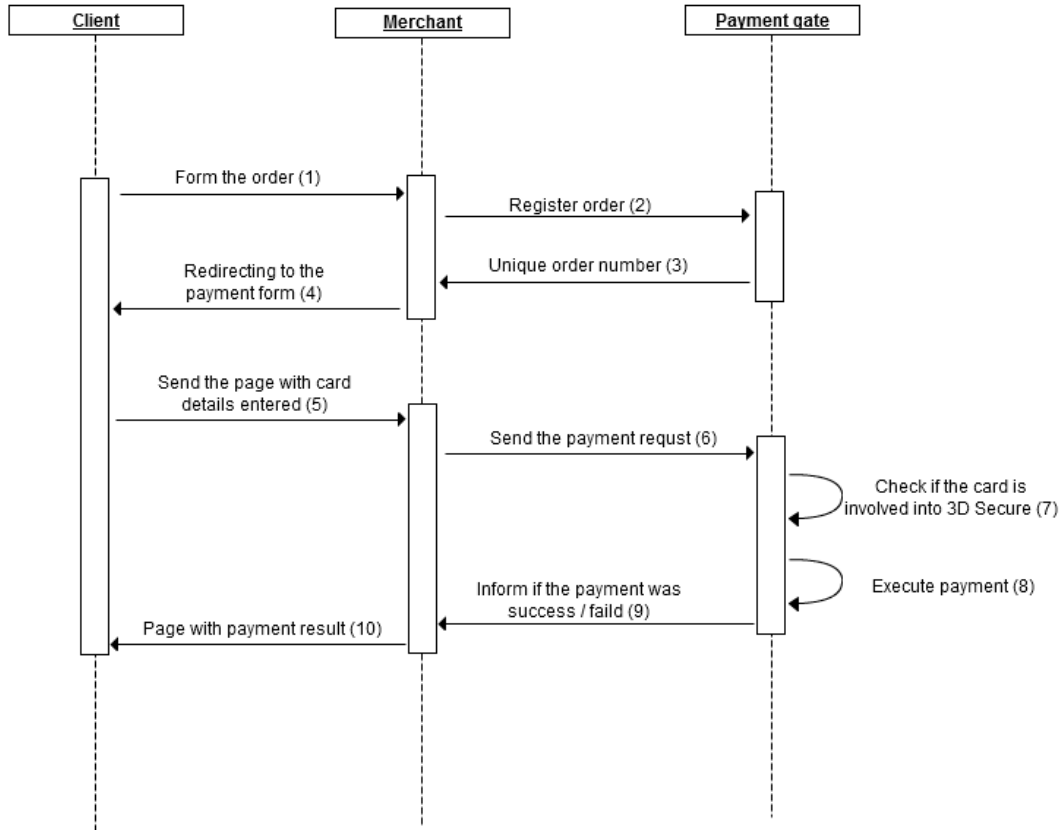
Payment with card details entering on the merchant side- AF

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The document describes a payment on the merchant side.

1. Interaction scheme of the process without 3D Secure or with a card uninvolved into 3D Secure

The scheme is represented on the diagram below:



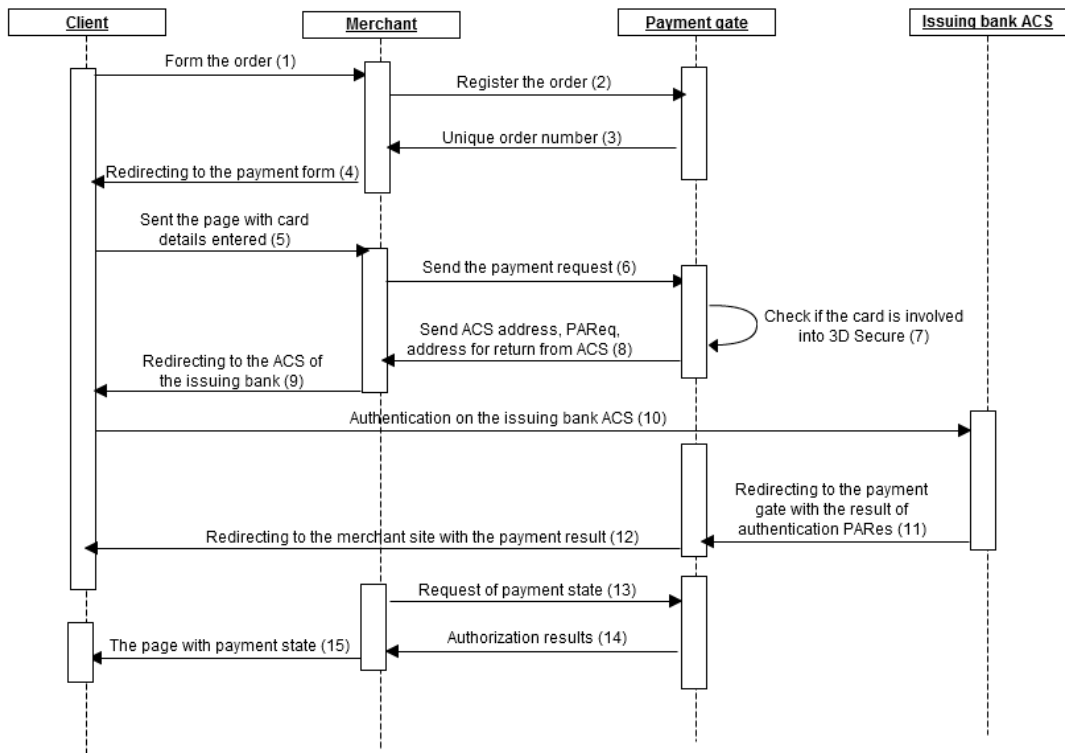
Description:

1. The cardholder forms an order on the merchant site (online store) and chooses to pay for the order by bank card.
2. When the order is confirmed by the client, the merchant system registers the order in the payment gate. The following parameters are used for order registering: amount to be charged and currency of the expected payment, internal order number and merchant URL for client redirecting after payment.
3. The payment gate responds with a unique identifier of the registered order and URL of the payment form that the client should be redirected to.
4. Online store redirects the client's browser to its payment page for entering of card details.
5. The cardholder enters his bank card details on the online store payment page and sends the data.
6. The merchant sends a payment request to the payment gate. The following data are necessary for payment: order number in the payment gate (received at the 3rd step), language, card details - PAN, CVC, expiry year and month, cardholder name.
7. After the payment details were received (PAN etc.) the system verifies if the bank and the card are involved into 3d secure.
8. If the bank or the card is not involved into 3d secure, the amount is deposited from the client's account.
9. The payment gate returns the payment status.
10. The merchant system sends the page with payment results to the client's browser.

2. Interaction scheme of the process with 3D Secure

The scheme is represented on the diagrams below:

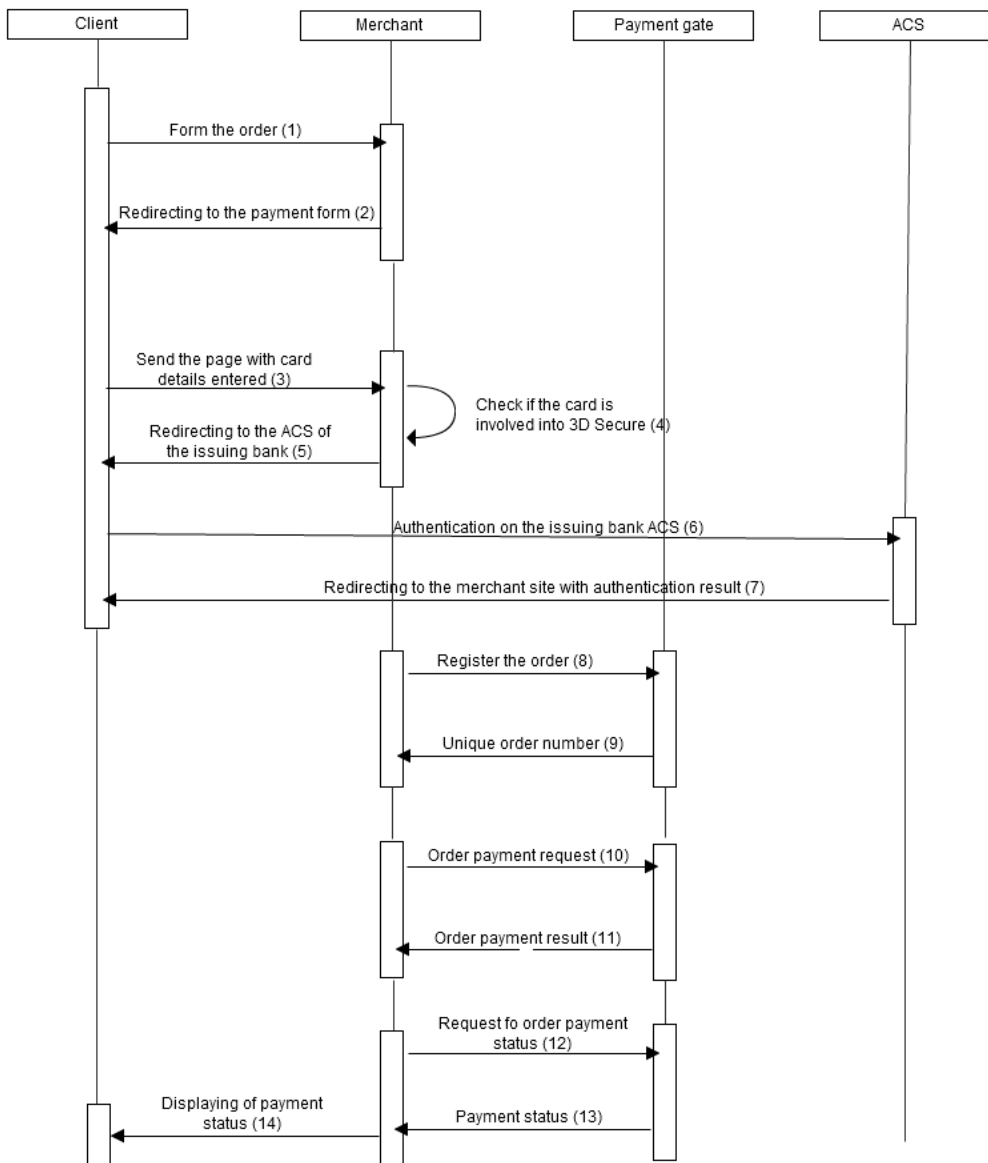
2.1. Internal MPI



Description:

1. The cardholder forms an order on the merchant site (online store) and chooses to pay for the order by bank card.
2. When the order is confirmed by the client, the merchant system registers the order in the payment gate. The following parameters are used for order registering: amount to be charged and currency of the expected payment, internal order number and merchant URL for client redirecting after payment.
3. The payment gate responds with a unique identifier of the registered order and URL of the payment form that the client should be redirected to.
4. Online store redirects the client's browser to its payment page for entering of card details.
5. The cardholder enters his bank card details on the online store payment page and sends the data.
6. The merchant sends a payment request to the payment gate. The following data are necessary for payment: order number in the payment gate (received at the 3rd step), language, card details - PAN, CVC, expiry year and month, cardholder name.
7. After the payment details were received (PAN etc.) the system verifies if the card is involved into 3d secure, including use of Directory Server.
8. Verification result is transferred to the merchant (card involvement + URL of the issuing bank ACS server, where authentication of the client should be executed).
9. Merchant system redirects the client's browser to the issuing bank ACS.
10. The cardholder (client) authenticates on the issuing bank ACS.
11. After the cardholder authentication the issuing bank ACS redirects the client to the payment gate transferring PAREs. The payment gate authorizes the order if the client authentication on the ACS is successful, or the order preauthorization may be declined if the client authentication on the ACS failed.
12. The client is redirected to the merchant page with payment results.
13. The merchant sends the order status request to the payment gate.
14. The payment gate returns the payment status.
15. The merchant system sends the page with payment results to the client's browser.

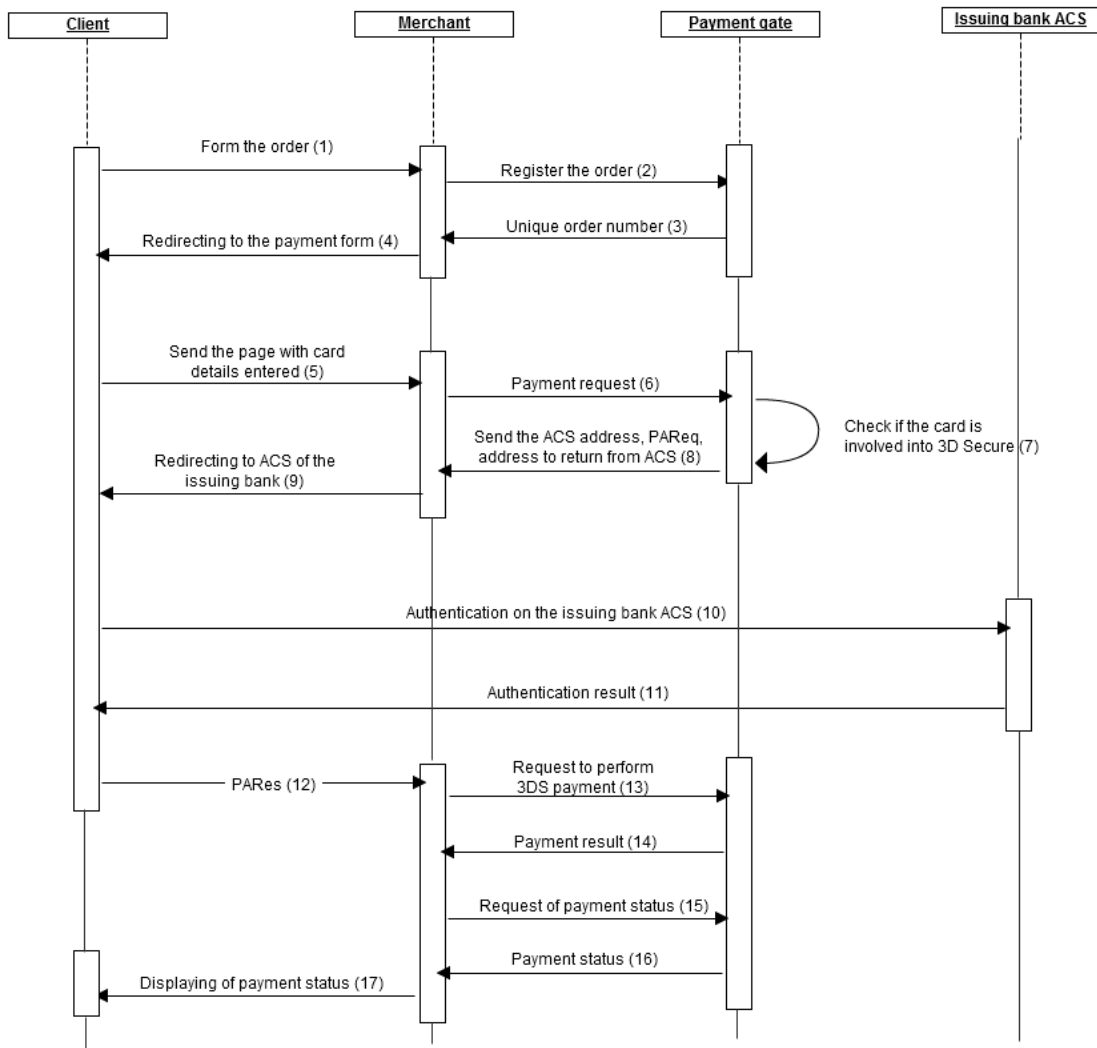
2.2. External MPI



Description:

1. The cardholder forms an order on the merchant site (online store) and chooses to pay for the order by bank card.
2. Online store redirects the client's browser to its payment page for entering of card details.
3. The cardholder enters his bank card details on the online store payment page and sends the data.
4. After the payment details were received (PAN etc.) the merchant verifies if the card is involved into 3d secure, including use of Directory Server.
5. Merchant system redirects the client's browser to the issuing bank ACS.
6. The cardholder (client) authenticates on the issuing bank ACS.
7. After the cardholder authentication the issuing bank ACS redirects the client to the merchant transferring PARES.
8. The merchant sends order registration request to the payment gate.
9. The payment gate returns a unique order number in the payment gate system.
10. The merchant sends a payment request to the payment gate. The following data are necessary for payment: order number in the payment gate (received at the 9th step), language, card details (PAN, CVC, expiry year and month, cardholder name) cavv, xid, eci.
11. The payment gate sends payment results to the merchant.
12. The merchant sends the order status request to the payment gate.
13. The payment gate returns the payment status.
14. The merchant system sends the page with payment results to the client's browser.

2.3. Integration with use of Finish3DS method



Description:

1. The cardholder forms an order on the merchant site (online store) and chooses to pay for the order by bank card.
2. When the order is confirmed by the client, the merchant system registers the order in the payment gate. The following parameters are used for order registering: amount to be charged and currency of the expected payment, internal order number and merchant URL for client redirecting after payment.
3. The payment gate responds with a unique identifier of the registered order and URL of the payment form that the client should be redirected to.
4. Online store redirects the client's browser to its payment page for entering of card details.
5. The cardholder enters his bank card details on the online store payment page and sends the data.
6. The merchant sends a payment request to the payment gate. The following data are necessary for payment: order number in the payment gate (received at the 9th step), language, card details - PAN, CVC, expiry year and month, cardholder name.
7. After the payment details were received (PAN etc.) the system verifies if the card is involved into 3d secure, including use of Directory Server.
8. Verification result is transferred to the merchant (card involvement + URL of the issuing bank ACS server, where authentication of the client should be executed).
9. Merchant system redirects the client's browser to the issuing bank ACS.
10. The cardholder (client) authenticates on the issuing bank ACS.
11. After the authentication the issuing bank ACS redirects the client to the merchant.
12. The PARes received from ACS is transferred to the merchant.
13. The merchant sends the PARes to the payment gate using Finish3DS method.
14. The payment gate returns the payment result.
15. The merchant sends the order status request to the payment gate.
16. The payment gate returns the payment status.
17. The merchant system sends the page with payment results to the client's browser.

3. Scheme of implementation on the merchant's side

For scheme without 3D Secure, there are the following automatic interactions between the merchant system and the payment gate:

- 2, 3
- 6, 8

For scheme with 3D Secure, there are the following automatic interactions between the merchant system and the payment gate:

- 2, 3
- 6, 9
- 14, 16

These interactions are synchronous, i.e. requesting side must wait for a response or timeout to continue. Interactions are also unilateral: the merchant system sends requests to the payment gate, not the other way. To implement these interactions developers can use API provided by the payment gate consisting of the requests:

1. Register the order;
2. Pay/preauthorize the order
3. Authorize the order

4. Webservice interface

Description (WSDL) of the service can be found on the test server that is available without restrictions. For the exact address see "Address data for connections" section.

For successful authorization purposes each request should include login and password of the merchant that were produced during registration of the merchant. Values of the login and password are sent in the format described in the WS-Security specification, authorization type `UsernameToken`. Header for such authorization looks something like this:

```
<wsse:Security
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-%20wssecurity-utility-1.0.xsd">
  <wsse:UsernameToken wsu:Id="UsernameToken-87">
    <wsse:Username>aa</wsse:Username>
    <wsse:Password
Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">123456</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
```

4.1. One-phase payment requests

4.1.1. Order registration request

Use `registerOrder` method for order registration in the payment gate. The method is described in WSDL of the service.

Request parameters:

Name	Type	Mandatory	Description
merchantOrderNumber	AN..32	yes	Number (identifier) of the order in the merchant system. It is unique within the system
description	AN..512	no	Free-formed description of the order.

amount	N..20	yes	Order amount in minimal currency units (e.g. cents).												
currency	N3	no	Code of the payment currency (according to ISO 4217). If it is not specified in the request, the default value is used - 810, russian rubles.												
language	A2	no	Code of the language (according to ISO 639-1) that the payment page should be displayed in. If it is not specified, the system uses the default language from the merchant settings.												
pageView	ANS..20	no	<p>This parameter indicates what type of payment interface pages should be uploaded for the payer. Possible values:</p> <ul style="list-style-type: none"> • DESKTOP – to upload pages designed for displaying on PC monitors (pages with names <code>payment_<locale>.html</code> and <code>errors_<locale>.html</code> from archive of payment interface pages); • MOBILE – to upload pages designed for displaying on mobile devices (pages with names <code>mobile_payment_<locale>.html</code> and <code>mobile_errors_<locale>.html</code> from archive of payment interface pages); • If the merchant has pages with names formed by adding of some prefix to the template part of the page name, then you can specify necessary prefix in the <code>pageView</code> parameter in order to redirect client to the corresponding page. For example, if <code>pageView=iphone</code> then pages with names <code>iphone_payment_<locale>.html</code> and <code>iphone_error_<locale>.html</code> will be used. <p>Where:</p> <p>locale – the page language in 2-alpha code according to ISO 639-1, e.g. <code>ru</code> for Russian and <code>en</code> for English.</p> <p>Default value is <code>pageView=DESKTOP</code>.</p>												
sessionTimeoutSecs	N..9	no	<p>Duration of order life in seconds.</p> <p>If the parameter is not specified, then the value from merchant settings is used, otherwise - the default value (1200 seconds - 20 minutes).</p> <p>If the request contains <code>expirationDate</code> parameter, the parameter <code>sessionTimeoutSecs</code> is ignored.</p>												
bindingId	AN..255	no	<p>Identifier of the binding, that was created earlier. May be used only if the merchant has permission to work with bindings. If this parameter is sent in the request, that means:</p> <ol style="list-style-type: none"> 1. This order may be payed only by binding; 2. The payer will be redirected to a payment page, where entering of CVC only is required. 												
expirationDate	ANS	no	<p>Date and time of termination of order life. Format: <code>yyyy-MM-dd 'T' HH:mm:ss</code>.</p> <p>If this parameter is not specified, the <code>sessionTimeoutSecs</code> parameter is used to determine date and time of termination of order life.</p>												
returnUrl	AN..512	yes	Web address that the client should be redirected after successful payment. Absolute link must be specified.												
failUrl	AN..512	no	Web address that the client should be redirected if the payment failed. Absolute link must be specified.												
params		no	<p>An additional tag with the attributes for passing additional parameters of the merchant.</p> <p>Fields of additional informaiton to be stored. To send N parameters, the request must contain N <code>params</code> tags, where the <code>name</code> attribute contains parameter name and <code>value</code> attribute contains parameter value:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Mandatory</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><code>name</code></td> <td>AN..20</td> <td>yes</td> <td>Name of the additional parameter</td> </tr> <tr> <td><code>value</code></td> <td>AN..1024</td> <td>yes</td> <td>Value of the additional parameter</td> </tr> </tbody> </table> <p>These fields may be passed to the bank processing for their representation in registers.*</p> <p>This functionality can be switched on during the integration period at the agreement with bank.</p> <p>If notification of the client is switched on for the merchant, this tag should contain parameter with name <code>email</code> which value is client's email.</p>	Name	Type	Mandatory	Description	<code>name</code>	AN..20	yes	Name of the additional parameter	<code>value</code>	AN..1024	yes	Value of the additional parameter
Name	Type	Mandatory	Description												
<code>name</code>	AN..20	yes	Name of the additional parameter												
<code>value</code>	AN..1024	yes	Value of the additional parameter												
clientId	AN..255	no	Number of the client (identifier) in the merchant system. It is used to realise binding functionality. The request may contain this parameter only if the merchant is allowed to use bindings.												
merchantLogin	AN..255	no	To register the order from the name of the child merchant, specify its login in this parameter.												

* By default the following fields are passed to the bank processing:

- `orderNumber` – order number in the merchant system;
- `description` – order description (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n).

If additional parameter with name `merchantOrderId` is sent with the order, then its value will be passed to the bank processing as order number (instead of value of `orderNumber` field).

Response parameters:

Name	Type	Mandatory	Description
orderId	ANS36	no	Order number in the payment gate. It is unique within the gate. Absent if order registration failed (error is described by the <code>errorCode</code> parameter).
formUrl	AN..512	no	URL of the payment form that the client's browser should be redirected to. Absent if order registration failed (error is described by the <code>errorCode</code> parameter).
errorCode	N3	no	Code of the error that occurred during registration of the order.
errorMessage	AN..512	no	Description of the error in the language specified in the <code>language</code> parameter of the request.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
1	Incorrect order number
1	Order with this number is already registered in the system
3	Unknown currency
4	Empty amount
4	Order number is empty
5	Invalid value of one of the parameters
5	Access denied
5	The user must change his password
7	System error

Request example:


```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:registerOrder>
      <order merchantOrderNumber="78ds901234567890" description=" "
amount="15000" currency=" " language=" " pageView="DESKTOP"
sessionTimeoutSecs=" " bindingId=" " expirationDate="2014-09-08T14:14:14">
        <returnUrl>https://tws.egopay.ru/ab/finish.html</returnUrl>
        <params name="param1" value="valueParam1"/>
        <params name="param2" value="valueParam2"/>
        <clientId>666</clientId>
        <merchantLogin> </merchantLogin>
      </order>
    </mer:registerOrder>
  </soapenv:Body>
</soapenv:Envelope>

```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:registerOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderId="05fcbc62-7ee6-4f1a-b3d5-6ca41a982283"
errorCode="0" errorMessage="Success">
        <formUrl>
https://tws.egopay.ru/ab/payment_ru.html?mdOrder=05fcbc62-7ee6-4f1a-b3d5-
6ca41a982283 </formUrl>
        </return>
      </ns1:registerOrderResponse>
    </soap:Body>
</soap:Envelope>

```

4.1.2. Order payment request

For payment use `paymentOrder` request.

The payment gate allows merchant to use both internal and external MPI.

Validation of card data is performed in accordance with the table:

Name	Description	Validation
pan	Full card number	Luna validation (checking if the card number is real), the number of digits in the card number - from 13 to 20
cvc	CVC code	3 digits
year, month	Year, month of card expiry	The date in present or future. If the card expiry is a current month, the payment is possible until the end of the month

cardholderName	Cardholder name	Is not verified
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4.1.2.1. Internal MPI.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
pan	N..20	yes	Card number
cvc	N..3	yes	CVC
year	N..4	yes	Expiry year
month	N..2	yes	Expiry month
cardholderName	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP address of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
params		no	An additional tag with the attributes for passing additional parameters of the merchant.*

* Fields of additional information to be stored. These fields may be transferred to a bank processing in order to display them in registers.**

This functionality may be enabled under the agreement with the bank during the integration. To send N parameters, the request must contain N `params` tags, where the `name` attribute contains the name and `value` attribute contains the value:

Name	Type	Mandatory	Description
name	AN..20	yes	Name of the additional parameter
value	AN..1024	yes	Value of the additional parameter

** Fields `orderNumber` and its `description` are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n)

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.
info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
redirect	AN..512	no	Address for redirect
acsUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.

paReq	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
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Possible codes for errors (the **errorCode** field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	There are no payment attempts any more of the session is expired
5	Data validation error
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header>
    <soapenv:Body>
      <mer:paymentOrder>
        <order orderId="09808814-eb60-4cea-86bb-ed849dbe7ae9" year="2015"
month="12" pan="4111111111111111" cvc="123" cardholderName="A Moriarty"
language="ru" ip="?">
          <!--Zero or more repetitions-->
          <params name="name" value="value"/>
        </order>
      </mer:paymentOrder>
    </soapenv:Body>
  </soapenv:Envelope>

```

Response example in case of payment, that does not require additional authentication on Issuing bank ACS:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return info="Your order is proceeded, redirecting..."
redirect="www.ya.ru?MDORDER=6d295b5b-84c3-44cd-adea-c0eacal22465&ANSWE
R=%3C%3Fxml+version%3D%221.0%22+encoding%3D%22UTF-8%22%3F%3E%0A%3CPSApiRes
ult+primaryRC%3D%220%22+secondaryRC%3D%220%22%2F%3E&STATE=payment_depo
sited&ACTION_CODE=0&AUTH_CODE=2" errorCode="0"/>
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

Response example in case of 3DS-payment, that requires additional authentication on Issuing bank ACS:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="0" info="Your order is proceeded,
redirecting..." redirect="https://tws.egopay.ru:443/ab/rest/finish3ds.do"
acsUrl="https://tws.egopay.ru/acs/auth/start.do"
paReq="eJxVUklzgjAQ/Ssm95KEr1pnjUOLnXqgYxUvvVHYAVQ+DFDUX99EUeshM/t2N2/3vQS
mh2Kn/aJo8qqc6MyguoZlXCV5mU70dfj+NNKnHJMIPorjDuBHAJsmihFLU8metGkBtM5LLw17
jkMTFwSGSaQK5RXRjxFZcshivev809uWzazHCADhALF3OfMtGzHfR4BuWAoowJ5iE27yqoayBl
CXHv1K47ctS0gVwCd2PGsbexIX3fG2lVpTs04qoAokpA7jssOhU1kuqQJzzwvf5yZqdPf0uDc
HsM/C8WnNIJENUBSdQiNyKzGaWOxujYpmNqAznnISrUDtxlXUqloguCWg3xHkr/UyC9FNLqq4w
rAjzUVYmyQ/p3iyHBjr4ZodWDALmBygO5K3r7UB7HrXRvnXxvhdufxGKUdH34kiUb15mZ3k+3W
Srnz01qXi79Yw67DFQAiKIhw6OS4cF19PAR/gAOWr9V"/>
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

If 3-D Secure technology is required to perform payment, then after the response to the payment request has been received the merchant must redirect the client to ACS:

For redirection to ACS the merchant, for its part, must redirect a client to the address specified in the `acsUrl` parameter with the body of the request:

`MD=mdorder&PaReq=pareq&TermUrl=redirect,`

Where:

- `mdorder` - unique order number in the payment gate system,
- `pareq` - a parameter from the response to the payment request,
- `redirect` - a parameter from the response to the payment request (address of the redirect to ACS).

The request must be in POST format.

Depending on integration scheme the client after authentication on ACS will be redirected to merchant or to the payment gate. Processes of payment completion for each of these cases are represented below.

4.1.2.1.1. Return to payment gate from ACS. Classical scheme

Issuing bank ACS executes authentication of the cardholder and redirects him to the payment gate sending `PARes`. If the client was authorized on ACS successfully the payment gate authorizes the order. Otherwise the order preauthorization is declined.

4.1.2.1.2. Return to merchant from ACS. The scheme with use of additional method Finish 3DS

In this scheme issuing bank ACS executes authentication of the cardholder and redirects him to the merchant. `PARes` from ACS is sent to the merchant. Then the merchant transfers it to the payment gate by the `finish3DS` method.

Description of `finish3DS` is represented below:

Request parameters:

Name	Type	Mandatory	Description
md	AN..30	yes	Order number received after order registration
paRes		yes	Payer Authentication Response

Response parameters:

Name	Type	Mandatory	Description
returnUrl	AN..512	no	URL of the payment form, where the client's browser to be redirected.
errorCode	N3	no	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

If `errorCode=0` and `info="Your order is proceeded, redirecting"` – the payment was executed successfully. For other cases see `errorMessage`.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error.
5	Access denied
5	The user must change his password
7	The order was not found
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:finishThreeDs>
      <request language="ru" md="8b5b7ee5-eb5a-4cf4-81ec-7153f7ca2864"
paRes="eJzFV2mzokoS/Ssd/T4at1kEkRe0EcW+WCCLgH5jBwVRWfXXD2r37ft6eiZ6ZuLFEGF
YnKjMyoZp4pinPyajLydRN0lWTEwaZogSz4V8dfPi/k8JKg5+kahYfBGYPjyLcRD+i2g8GWEz
RdBvEA/r5gNsJLmZZAuyZBOF28EkU4GwWQaYAk6vS5CFMXxJU1Gk0GfXJuiPq2wL+gXnEG+v05
rX6M80LURJogurKKvCJxaoCidFhtlquSq8CuKQV4DBvlhsekeo2ZiMBbxCvJgeP0EVOeFucFnI
7xnN3iAXxnkMYOJgzZZ4ShGojRkF8KwPwn8T2zJIE+cOT/cgaruJt8kSVJLmkE+YsyUrWtyim6
rBTFnkPc3JhnP9SmZZkzE3scM8i08c3BaOR8ebHom3xPKOP6KaYvql2E9caZpg7ZrVjsG+TZio
qDvVwAAalp3HxN6y2ESR/LwE35+J7nMKk0TFCiWnoKb/pxUos/patHn1CPWvAIM8QkGehV0xdpG
dpsWuyaexKk/N1895257/RJBhGL4M8y/1NUPwiQiC0sg0IW6K7I/PL6skVk5p/R+ZccGpPhVRU
Bb3oJ26AiZtXsef3mP7lRvHenjCEEvg3iZXbxFGnN4eCDrHyMkn8munH5j9zio/B3ttgrcmD7D
HAj85WjFWkiaPjkg+bs3l6+c/flMZfJElTfvrFRPM9ko8evvtzgz7JLVuN1PjOtnlVwfrbnbntQ7
I+7AtOSQfn63e41k0Hew//G7VXIDw17TfTlejePNAdVXfkIMMqH7mYGy9QkoRea8wW61M+L1E1
SyOUdhpU05W4jqZPbaGjuylHf5GicEpcYW/MiskxxU96WNYClI6CaFt1TqSuhcc55kyRpTwnO
lgISSgKYVaLqhtPhO5uRL2qXdYQva6F5f46nkA+HrDRxjxiUft+3Sv7NValy68fivSNpZbcXqz
8SWx80AavEZdc2yKdumXaB6CicLXDcSC7ZGBQWJApKticRPue7IpZGUKASpx9kWwlnPomwLLmF
kABjNwdqGymuyzYOaB0HWiBgc92vGuamjDE/M5X870k3qE5DNwLXwuDbtquOQoO2LxsocPJ7Dn
msFuI0yhkCZ+fMgN50OgHgML7doRiPWHKE4P3d2wweWENwVEC2FZgc8i5LhwFHhgvv7XDonoeV
eJx58OR54H2whsHYKzq8oIFwfJpC0aoRFKJrn21D+fmkO2XA2/uVK3eK3kf6eDJGUzUUAASQW
1xAJNouIiuPjmh1HbQ9WrQSOL9sHlN3FII/TZ3/ce0LqIH6XAz8/9dvFM0vUdqeIF53ofW52O
FLJkXBF6tAfeXFuoWh6ksvFYLhdejdLEVAz0z97DpSacHG7DbkPBzeMjGWHEZHkIuOMdJPh6GR
X1wov+9LwlSopS733sLRRSbmw3VReJrcSZAfQDpkgfLkJptTlSszUYNmdIOrH+TynTYyV0qKmu
lHTE7zcxZjCqVAGj/zEymCdoZSAfze33tpH8zBV02wGznzWWhIGld3eBRMC4pInLoeyiYu3nWf
10V2AcErkEx8hvXKLBSEgR+etrww5EPgm21U0X2s/NyPwzMuYTBFCZu6T/VS3zVSwBKst+3v
nkpWQ01ajwrKulyI8Ea33nQynKUuDna7DBQxlFFt14MsIxabtUjiVwdlcZJii5q8tpUa913Z50
XLbzrQhENaQRjYfYzyUM20FyeO4Kul01P35x+F9TN0t8Q93hrEFbjswN93VmdvSGMHm8NTdvU1
aGug9Amp+4rubo7UhsBji4wifdnZf5Sqqf7Q6rFD61OXs4hSiIPLf3/lKr07+469lepfsOGzeF
/kurmweubVKWnVD09n6SY/swXTHynbtMBz7GFobkxeXs5HDtxKxLHICgCez2zyIUbHO9YN508O
/GCCLWv3tf2gII28JZYIndcfkuWlJ/x0sbvgMDVoWZh55o6VFVP6Vh1qcsxXrctqElNuXp0Yui
LGTKb20SrHDvtepkt3LVzG22yrSh5wuaunBlBt7vswRBzoy1e1E48NN0hb2a+P/YD29VkmYg8M
AFbElLx5MY+Ocd8Znosa9uJgYBzHyPKblPnIJMxJRZs/YxoPds88iXbUAgc9pSxz16niXSrm9a
JuBhUYx/89uzJsUUvgSicBeVv2jptjjN5ctw280rpz9590uYjLgsKrAMmbjLyq/6c6sUCrvVZt
G9LdGZut70slfUyu3DD4ZAP/Poc4K7VlEHXaFK7JLxyU/ioI+PsZayQe7W5sQf91PmeJfcmoWV
idQLQOxExkG6Q3R4xiaCChVonB3J5ktD8uuAiIxyv3GwA0NrwSrmWjRmJmbfDWRdpmZsd8UU4b
oPzvsFdD8HP0WZBva0p3/xiZ/6eTFnyIVOX+y7T7fZ61zjaUqieygIldehY48wt5w/75le7198
jmZdksWm/HeEBEJNEb/ApWQF/Ys47Ngi8YHzbaR8+RPdY0qYDf/N03F76/MDVtAphvNHB0FTyI
tyYRRUM4amouLm9GntzFkb8/hanqHK7pTdIC2l3GncU7WEIV2eeye1Do2yI4JcXjXZc70o5Lo1
aUo+ER0xbMVibdyMcJHLcgNCi7rsk2MeVpQWUVuKqOrZ6ZZDO7OaPSMu3i5zTT+s8a0aaGCipQ
FhRMQR/++n4yO2Pk0VgkcHkIAD/8mSBd7Rpp6ovAtea407QOq4jqKejJ1b5FVPNppD3FiFnKXa
XziiYB3mejm2na5q0PqRphEVwvNcnhRaoI8nZ2tq1D0VpuMt83h3PzgzX8hbvacINCxbZnLPM8
DrRh2CnD2k6coG4KQ+zPdbJTlljBrsVGyXa5bgx6woxZzfa2WvndjXG8sL81cmC/PgeRN6/EX9
8PT6vnc9L8u0e9PHY/A9JE/bD"/>
    </mer:finishThreeDs>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:finishThreeDsResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorMessage=" " errorCode="0"
returnUrl="http://ya.ru?orderId=8b5b7ee5-eb5a-4cf4-81ec-7153f7ca2864"/>
    </ns1:finishThreeDsResponse>
  </soap:Body>
</soap:Envelope>
```

4.1.2.2. External MPI.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number received after order registration
pan	N..20	yes	Card number
cvc	N..3	yes	CVC
year	N..4	yes	Expiry year
month	N..2	yes	Expiry month
cardholderName	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP adress of the payer
email	ANS..*	no	Email adress of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
params		no	An additional tag with the attributes for passing additional parameters of the merchant.* In case of external MPI using, IPS expects that <u>each</u> payment request contains "eci" parameter. If this parameter value differs from the values used for SSL-authorizations, it is also <u>necessary</u> to send "xid" and "cavv" parameters.

* Fields of additional informaiton to be stored. These fields may be transferred to a bank processing in order to display them in registers. **

** This functionality may be enabled under the agreement with the bank during the integration. To send N parameters, the request must contain N params tags, where the name attribute contains the name and value attribute contains the value.

If the external MPI is used and if there is an appropriate IPS permission to use it, then the purpose of the additional parameters list also includes storing and sending to SmartVista of cavv, xid, eci parameters.

Name	Type	Mandatory	Description
name	AN..20	yes	Additional parameter name
value	AN..1024	yes	Additional parameter value

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred during registration of the order.
errorMessage	AN..512	no	Description of the error in the language specified in the Language parameter of the request.
info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...

If errorCode = 0 and info = "Your order is proceeded, redirecting" - the payment was executed successfully. For other cases see errorMessage.

Possible codes for errors (the errorCode field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	There are no payment attempts any more of the session is expired
5	Data validation error
7	System error

Example request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header>
    <soapenv:Body>
      <mer:paymentOrder>
        <order orderId="f0c87e00-7b26-4573-942f-3d40596a6d43"
year="2015" month="12" pan="4111111111111111" cvc="123"
cardholderName="A Moriarty" language="ru" ip="?">
          <!--Zero or more repetitions:-->
          <params name="xid" value="MDAwMDAwMDEzMzkyMjg5ODExNTc=" />
          <params name="eci" value="05" />
          <params name="cavv" value="AAAABCpEChRM5IomAKFAAAAAAAAAA=" />
        </order>
      </mer:paymentOrder>
    </soapenv:Body>
  </soapenv:Envelope>
```

Response example:


```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="0" info="Your order is proceeded,
redirecting..." />
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

4.1.3. Order status request

To inquire state of a registered order, use the `getOrderStatus` request.

The order status must be determined by the value of `orderStatus` parameter. `authCode` field is deprecated.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order identifier in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages, if any, will be returned in this language.

Response parameters:

Name	Type	Mandatory	Description
orderStatus	N2	no	This parameter shows order status in the payment gate. Possible values are listed in the table below. Parameter is absent if no order with the specified ID was found.
errorCode	N3	no	Code of the error that occurred in the course of processing the request.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.
orderNumber	AN..32	yes	Order number (identifier) in the merchant's system
pan	N..19	no	Masked number of the card that was used for payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents)
currency	N3	no	Code of the payment's currency (according to ISO 4217).
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.
authCode	N3	no	This parameter is deprecated. Its value is always "2", regardless of the order status and processing system authorization code.

ip	AN..20	no	IP address of the computer that the order initiated on.
date	ANS	yes	Date of order registration
orderDescription	AN..512	yes	Order description that was sent during registration
actionCodeDescription	AN..512	yes	Description of action code the language specified in the Language field of the request.
clientId	AN..255	no	Number of the client (identifier) in the merchant's system. Transferred, when order is registred. Present only if creation of ligaments is allowed for merchant.
bindingId	AN..255	no	Identificator of the ligament created while paying an order or used to pay for. Present only if creation of ligaments is allowed for merchant.

The **orderstatus** field may have the following statuses:

State number	Description
0	The order is registered, but not paid yet.
1	Pre-authorisation amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Possible codes for errors (the **errorCode** field):

Value	Description
0	No system error.
1	Order with this number is already registered in the system.
2	Payment is declined
5	The user must change his password
5	Access denied
5	[orderId] is empty
6	Unknown order id
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:getOrderStatus>
      <order orderId="b1221b79-5703-42c9-a4b1-ed0d0f36493e"
language="en"/>
    </mer:getOrderStatus>
  </soapenv:Body>
</soapenv:Envelope>

```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:getOrderStatusResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderStatus="2" errorCode="0"
orderNumber="456789012345678" pan="411111**1111" expiration="201512"
cardholderName="Ivan" amount="15000" currency="810" approvalCode="123456"
authCode="2" ip="212.5.125.194" date="2013-09-03T16:48:52.459+04:00"
orderDescription=" " actionCodeDescription="Request processed successfully"
clientId="666" bindingId="df0b1801-a754-4576-b174-c2485d98bc9b"/>
    </ns1:getOrderStatusResponse>
  </soap:Body>
</soap:Envelope>

```

4.1.4. Extended order status request

To inquire about state of a registered order, use the `getOrderStatusExtended` request.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes*	Order identifier in the payment gate. Unique within the gate.
merchantOrderNumber	AN..32	yes*	Order number (identifier) in the merchant's system
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages, if any, will be returned in this language.

* It is necessary to specify whether `orderId` or `merchantOrderNumber` in the request. If the request contains both parameters, `orderId` is a priority.

There are 3 sets of response parameters. These sets depend on `getOrderStatusExtended` version, specified in merchant settings.

Response parameters for versions 01, 02,03:

The following parameters are returned regardless `gerOrderStatusExtended` version.

Name	Type	Mandatory	Description
orderNumber	AN..32	yes	Order number (identifier) in the merchant's system
orderStatus	N2	no	State of the order in the payment gate. The value is selected from the list below. Absent if no order with the specified ID was found.
actionCode	N3	yes	Processing system authorization code.
actionCodeDescription	AN..512	yes	Action code description on the language passed in the parameter Language"
errorCode	N3	no	Code of the error that occurred in the course of processing the request.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents)
currency	N3	no	Code of the payment's currency (according to ISO 4217).If not specified, assumed to be 810 (Russian rubles).
date	ANS	yes	Date of order registration.
orderDescription	AN..512	no	Free-formed description of the order.
ip	AN..20	yes	IP address of the computer that the order initiated on.

Element *merchantOrderParams* is present in the response if the order contains merchant additional parameters. Each additional parameter is described in separate element *merchantOrderParams* by the following fields:

name	Type	Mandatory	Description
name	AN..20	no	Name of additional parameter
value	AN..1024	no	Value of additional parameter

Element *cardAuthInfo* – the structure includes element *secureAuthInfo* and the following attributes:

maskedPan	Type	Mandatory	Description
maskedPan	N..19	no	Masked number of the card that was used for payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
approvalCode	AN6	no	IPS authorization code. Specified only for paid orders. The field has fixed length of six characters, it can contain both numbers and letters.

Element *secureAuthInfo* (includes element *eci* and element *threeDSInfo* with parameters *cavv* and *xid*):

eci	Type	Mandatory	Description
eci	N..4	no	Electronic Commerce Indicator. Set just after the payment order in the case of a permit
cavv	ANS..200	no	Cardholder Authentication Verification Value. Set just after the payment order in the case of a permit.
xid	ANS..80	no	Electronic Commerce Transaction Identifier. Set just after the payment order in the case of a permit.

Element *bindingInfo* consists of the following fields:

clientId	Type	Mandatory	Description
clientId	AN..255	no	Client number (ID) in the shop system, transferred during the order registration. Presents only if a shop is allowed to create bindings.
bindingId	AN..255	no	Binding identifier created during order payment or used for payment. Presents only if a shop is allowed to create bindings.

Response parameters for versions 02, 03:

If *getOrderStatusExtended* version is 02 or higher, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
authDateTime	ANS	no	Authorisation date and time
authRefNum	AN..24	no	Reference number
terminalId	AN..10	no	Terminal Id

Response parameters for version 03:

If *getOrderStatusExtended* version is 03, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
Element <i>paymentAmountInfo</i> consists of the following parameters:			
approvedAmount	N..20	no	Amount hold on the client's card (only for two-phase payments)
depositedAmount	N..20	no	Amount confirmed for deposit
refundedAmount	N..20	no	Refund amount
paymentState	N2	no	Payment state
Element <i>bankInfo</i> consist of:			
bankName	AN..200	no	Name of issuing bank
bankCountryCode	AN..4	no	Code of issuing bank country
bankCountryName	AN..160	no	Country of issuing bank in language specified in language parameter or in user language if language parameter is empty

The *orderStatus* field may have the following values:

State number	Description
0	The order is registered, but not paid yet.
1	Pre-authorisation amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated.
6	Authorization declined

Possible codes for errors (the *errorCode* field):

Value	Description
0	No system error
1	Expected [orderId] or [orderNumber]
5	Access denied
5	The user must change his password
6	Order not found
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:getOrderStatusExtended>
      <order orderId="942e8534-ac73-4e3c-96c6-f6cc448018f7"
language="en">
        <!--Optional:-->
        <merchantOrderNumber> </merchantOrderNumber>
      </order>
    </mer:getOrderStatusExtended>
  </soapenv:Body>
</soapenv:Envelope>

```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:getOrderStatusExtendedResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderNumber="0s7a84sPe49Hdsddd0134567a0"
orderStatus="2" actionCode="0" actionCodeDescription="Request processed
successfully" amount="33000" currency="810"
date="2013-11-13T16:51:02.785+04:00" orderDescription=" " errorCode="0"
errorMessage="Success">
        <attributes name="mdOrder"
value="942e8534-ac73-4e3c-96c6-f6cc448018f7"/>
        <cardAuthInfo maskedPan="411111**1111" expiration="201512"
cardholderName="Ivan" approvalCode="123456"/>
        <authDateTime>2013-11-13T16:51:02.898+04:00</authDateTime>
        <terminalId>111113</terminalId>
        <authRefNum>111111111111</authRefNum>
        <paymentAmountInfo paymentState="DEPOSITED"
approvedAmount="33000" depositedAmount="33000" refundedAmount="0"/>
        <bankInfo bankName="TEST CARD" bankCountryCode="RU"
bankCountryName="Russian Federation"/>
      </return>
    </ns1:getOrderStatusExtendedResponse>
  </soap:Body>
</soap:Envelope>

```

4.1.5. Order reversal request

To reverse an order use the `reverseOrder` request. This functionflity is available for a limited period, that is specified by the Bank.

The reversal operation may be performed only once. If the reversal request caused an error, the next try will not be successful.

The reversal operation is available for merchants only under agreement with the Bank. To perform the reversal request a user must have an appropriate permission.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error message will be stated in this language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error that occurred during reversal.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

Possible codes for errors (the errorCode field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Reversal is impossible for current transaction state
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:reverseOrder>
      <order language="en"
orderId="f88a2bbf-2021-4ccc-8783-8a13068a89f9">
        <!--Zero or more repetitions:-->
        <params name=" " value=" "/>
      </order>
    </mer:reverseOrder>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:reverseOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="7" errorMessage="Reversal is impossible for
current transaction state"/>
    </ns1:reverseOrderResponse>
  </soap:Body>
</soap:Envelope>

```

4.1.6. Refund request

Use `refundOrder` request to refund deposited money.

This request returns money paid for the order back to the client. Request causes an error if the client is not charged. The payment gate allows multiple refunds, but their total amount cannot exceed the amount that was deposited from the client's account as a result of the order.

A user must have a corresponding permission in the system to perform this operation.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. It is unique within the gate.
refundAmount	N..5	yes	Refund amount in the order currency. May be less or equal to the current charged amount (which is lowered by previous refunds).
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages will be stated in this language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
5	Amount is invalid
6	No such order
7	Refund is impossible for current transaction state
7	Refund amount exceeds deposited amount

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:refundOrder>
      <order language=" "
orderId="4302d369-a5e8-4432-a5e5-42acfab52c86" refundAmount="20000">
        <!--Zero or more repetitions:-->
        <params name=" " value=" "/>
      </order>
    </mer:refundOrder>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:refundOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="7" errorMessage="Refund amount exceeds
deposited amount"/>
    </ns1:refundOrderResponse>
  </soap:Body>
</soap:Envelope>
```

4.2. Two-phase payment requests

4.2.1. Order preauthorization request

Order preauthorization request is called `registerOrderPreAuth`. It is used for registering an order with preauthorization.

Request parameters:

Name	Type	Mandatory	Description
merchantOrderNumber	AN..32	yes	Number (identifier) of the order in the merchant system. It is unique within the system
description	AN..512	no	Free-formed description of the order.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	no	Code of the payment currency (according to ISO 4217). If it is not specified in the request, the default value is used - 810, russian rubles.

language	A2	no	Code of the language (according to ISO 639-1) that the payment page should be displayed in. If it is not specified, the system uses the default language from the merchant settings.												
pageView	ANS..20	no	<p>This parameter indicates what type of payment interface pages should be uploaded for the payer. Possible values:</p> <ul style="list-style-type: none"> • DESKTOP – to upload pages designed for displaying on PC monitors (pages with names <code>payment_<locale>.html</code> and <code>errors_<locale>.html</code> from archive of payment interface pages); • MOBILE – to upload pages designed for displaying on mobile devices (pages with names <code>mobile_payment_<locale>.html</code> and <code>mobile_errors_<locale>.html</code> from archive of payment interface pages); • If the merchant has pages with names formed by adding of some prefix to the template part of the page name, then you can specify necessary prefix in the <code>pageView</code> parameter in order to redirect client to the corresponding page. For example, if <code>pageView=iphone</code> then pages with names <code>iphone_payment_<locale>.html</code> and <code>iphone_error_<locale>.html</code> will be used. <p>Where:</p> <p><code>locale</code> – the page language in 2-alpha code according to ISO 639-1, e.g. <code>ru</code> for Russian and <code>en</code> for English.</p> <p>Default value is <code>pageView=DESKTOP</code>.</p>												
sessionTimeoutSecs	N..9	no	<p>Duration of order life in seconds.</p> <p>If the parameter is not specified, then the value from merchant settings is used, otherwise - the default value (1200 seconds - 20 minutes).</p> <p>If the request contains <code>expirationDate</code> parameter, the parameter the <code>sessionTimeoutSecs</code> is ignored.</p>												
bindingId	AN..255	no	<p>Identificator of the binding, that was created earlier. May be used only if the merchant has permission to work with bindings. If this parameter is sent in the request, that means:</p> <ol style="list-style-type: none"> 1. This order may be payed only by binding; 2. The payer will be redirected to a payment page, where entering of CVC only is required. 												
expirationDate	ANS	no	<p>Date and time of termination of order life. Format: <code>yyyy-MM-dd 'T' HH:mm:ss</code>.</p> <p>If this parameter is not specified, the <code>sessionTimeoutSecs</code> parameter is used to determine date and time of termination of order life.</p>												
returnUrl	AN..512	yes	Web address that the client should be redirected after successful payment. Absolute link must be specified.												
failUrl	AN..512	no	Web address that the client should be redirected if the payment failed. Absolute link must be specified.												
params		no	<p>An additional tag with the attributes for passing additional parameters of the merchant.</p> <p>Fields of additional informaiton to be stored. To send N parameters, the request must contain N <code>params</code> tags , where the <code>name</code> attribute contains parameter name and <code>value</code> attribute contains parameter value:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Mandatory</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><code>name</code></td> <td>AN..20</td> <td>yes</td> <td>Name of the additional parameter</td> </tr> <tr> <td><code>value</code></td> <td>AN..1024</td> <td>yes</td> <td>Value of the additional parameter</td> </tr> </tbody> </table> <p>These fields may be passed to the bank processing for their representation in registers.*</p> <p>This functionality can be switched on during the integration period at the agreement with bank.</p> <p>If notification of the client is switched on for the merchant, this tag should contain parameter with name <code>email</code> which value is client's email.</p>	Name	Type	Mandatory	Description	<code>name</code>	AN..20	yes	Name of the additional parameter	<code>value</code>	AN..1024	yes	Value of the additional parameter
Name	Type	Mandatory	Description												
<code>name</code>	AN..20	yes	Name of the additional parameter												
<code>value</code>	AN..1024	yes	Value of the additional parameter												
clientId	AN..255	no	Number of the client (identifier) in the merchant system. It is used to realise binding functionality. The request may contain this parameter only if the merchant is allowed to use bindings.												
merchantLogin	AN..255	no	To register the order from the name of the child merchant, specify its login in this parameter.												

* By default the following fields are passed to the bank processing:

- `orderNumber` – order number in the merchant system;
- `description` – order description (not more than 99 simbols, the following simbols are forbidden to use - %, +, \r, \n).

If additional parameter with name `merchantOrderId` is sent with the order, then its value will be passed to the bank processing as order number (instead of value of `orderNumber` field).

Response parameters:

Name	Type	Mandatory	Description
orderId	ANS36	no	Order number in the payment gate. It is unique within the gate. Absent if order registration failed (error is described by the <code>errorCode</code> parameter).
formUrl	AN..512	no	URL of the payment form that the client's browser should be redirected to. Absent if order registration failed (error is described by the <code>errorCode</code> parameter).
errorCode	N3	no	Code of the error that occurred during registration of the order.
errorMessage	AN..512	no	Description of the error in the language specified in the <code>language</code> parameter of the request.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
1	Order number is invalid
1	Order with this number is already registered in the system
3	Unknown currency
4	Empty amount
4	Empty return URL
4	Order number is empty
5	Invalid value of one of the parameters
5	Access denied
5	The user must change his password
5	Pre-authorization payment is restricted
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:registerOrderPreAuth>
      <order merchantOrderNumber="asuaakdfadsfasdfasdd5" description="
" amount="10000" currency=" " language="ru" pageView="MOBILE"
sessionTimeoutSecs=" " bindingId=" " expirationDate="2014-09-08T14:14:14">
        <returnUrl>https://tws.egopay.ru/ab/finish.html</returnUrl>
        <params name="param1" value="paramValue1"/>
        <params name="param2" value="paramValue2"/>
        <clientId>7777</clientId>
      </order>
    </mer:registerOrderPreAuth>
  </soapenv:Body>
</soapenv:Envelope>

```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:registerOrderPreAuthResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderId="5e5dc6bd-dee3-4c96-849a-09f3f575f4b6"
errorCode="0" errorMessage="Success">
        <formUrl>
https://tws.egopay.ru/ab/mobile_payment_ru.html?mdOrder=5e5dc6bd-dee3-4c9
6-849a-09f3f575f4b6 </formUrl>
        </return>
      </ns1:registerOrderPreAuthResponse>
    </soap:Body>
</soap:Envelope>

```

4.2.2. Order payment request

For payment use `paymentOrder` request.

The payment gate allows merchant to use both internal and external MPI.

Validation of card data is performed in accordance with the table:

Name	Description	Validation
pan	Full card number	Luna validation (checking if the card number is real), the number of digits in the card number - from 13 to 20

cvc	CVC code	3 digits
year, month	Year, month of card expiry	The date in present or future. If the card expiry is a current month, the payment is possible until the end of the month
cardholderName	Cardholder name	Is not verified

4.2.2.1. Internal MPI.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
pan	N..20	yes	Card number
cvc	N..3	yes	CVC
year	N..4	yes	Expiry year
month	N..2	yes	Expiry month
cardholderName	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP address of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
params		no	An additional tag with the attributes for passing additional parameters of the merchant.*

* Fields of additional information to be stored. These fields may be transferred to a bank processing in order to display them in registers.**

This functionality may be enabled under the agreement with the bank during the integration. To send N parameters, the request must contain N `params` tags, where the `name` attribute contains the name and `value` attribute contains the value:

Name	Type	Mandatory	Description
name	AN..20	yes	Name of the additional parameter
value	AN..1024	yes	Value of the additional parameter

** Fields `orderId` and its `description` are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n)

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
redirect	AN..512	no	Address for redirect
acsUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
paReq	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.

Possible codes for errors (the **errorCode** field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	There are no payment attempts any more of the session is expired
5	Data validation error
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header>
    <soapenv:Body>
      <mer:paymentOrder>
        <order orderId="09808814-eb60-4cea-86bb-ed849dbe7ae9" year="2015"
month="12" pan="4111111111111111" cvc="123" cardholderName="A Moriarty"
language="ru" ip="?">
          <!--Zero or more repetitions-->
          <params name="name" value="value"/>
        </order>
      </mer:paymentOrder>
    </soapenv:Body>
  </soapenv:Envelope>

```

Response example in case of payment, that does not require additional authentication on Issuing bank ACS:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return info="Your order is proceeded, redirecting..."
redirect="www.ya.ru?MDORDER=6d295b5b-84c3-44cd-adea-c0eacal22465&ANSWE
R=%3C%3Fxml+version%3D%221.0%22+encoding%3D%22UTF-8%22%3F%3E%0A%3CPSApiRes
ult+primaryRC%3D%220%22+secondaryRC%3D%220%22%2F%3E&STATE=payment_depo
sited&ACTION_CODE=0&AUTH_CODE=2" errorCode="0"/>
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

Response example in case of 3DS-payment, that requires additional authentication on Issuing bank ACS:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="0" info="Your order is proceeded,
redirecting..." redirect="https://tws.egopay.ru:443/ab/rest/finish3ds.do"
acsUrl="https://tws.egopay.ru/acs/auth/start.do"
paReq="eJxVUklzgjAQ/Ssm95KEr1pnjUOLnXqgYxUvvVHYAVQ+DFDUX99EUeshM/t2N2/3vQS
mh2Kn/aJo8qqc6MyguoZlXCV5mU70dfj+NNKnHJMIPorjDuBHAIsmihFLU8metGkBtM5LLw17
jkMTFwSGSaQK5RXRjxFZcshivev809uWzazHCADhALF3OfMtGzHfR4BuWAoowJ5iE27yqoayBl
CXHv1K47ctS0gVwCd2PGsbexIX3fG2lVpTs04qoAokpA7jssOhU1kuqQJzzwvf5yZqdPf0uDc
HsM/C8WnNIJENUBSdQiNyKzGaWOxujYpmNqAznnISrUDtxlXUqloguCWg3xHkr/UyC9FNLqq4w
rAjzUVYmyQ/p3iyHBjr4ZodWDALmBygO5K3r7UB7HrXRvnXxvhdufxGKUdH34kiUb15mZ3k+3W
Srnz01qXi79Yw67DFQAIkIhw6OS4cF19PAR/gAOWr9V"/>
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

If 3-D Secure technology is required to perform payment, then after the response to the payment request has been received the merchant must redirect the client to ACS:

For redirection to ACS the merchant, for its part, must redirect a client to the address specified in the `acsUrl` parameter with the body of the request:

`MD=mdorder&PaReq=pareq&TermUrl=redirect,`

Where:

- `mdorder` - unique order number in the payment gate system,
- `pareq` - a parameter from the response to the payment request,
- `redirect` - a parameter from the response to the payment request (address of the redirect to ACS).

The request must be in POST format.

Depending on integration scheme the client after authentication on ACS will be redirected to merchant or to the payment gate. Processes of payment completion for each of these cases are represented below.

4.2.2.1.1. Return to payment gate from ACS. Classical scheme

Issuing bank ACS executes authentication of the cardholder and redirects him to the payment gate sending `paRes`. If the client was authorized on ACS successfully the payment gate authorizes the order. Otherwise the order preauthorization is declined.

4.2.2.1.2. Return to merchant from ACS. The scheme with use of additional method Finish 3DS

In this scheme issuing bank ACS executes authentication of the cardholder and redirects him to the merchant. `paRes` from ACS is sent to the merchant. Then the merchant transfers it to the payment gate by the `finish3DS` method.

Description of `finish3DS` is represented below:

Request parameters:

Name	Type	Mandatory	Description
md	AN..30	yes	Order number received after order registration
paRes		yes	Payer Authentication Response

Response parameters:

Name	Type	Mandatory	Description
returnUrl	AN..512	no	URL of the payment form, where the client's browser to be redirected.
errorCode	N3	no	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

If `errorCode=0` and `info="Your order is proceeded, redirecting"` – the payment was executed successfully. For other cases see `errorMessage`.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error.
5	Access denied
5	The user must change his password
7	The order was not found
7	System error

Request example:


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:finishThreeDs>
      <request language="ru" md="8b5b7ee5-eb5a-4cf4-81ec-7153f7ca2864"
paRes="eJzFV2mzokoS/Ssd/T4at1kEkRe0EcW+WCCLgH5jBwVRWfXXD2r37ft6eiZ6ZuLFEGF
YnKjMyoZp4pinPyajLydRN0lWTEwaZogSz4V8dfPi/k8JKg5+kahYfBGYPjyLcRD+i2g8GWEz
RdBvEA/r5gNsJLmZZAuyZBOF28EkU4GwWQaYAk6vS5CFMXxJU1Gk0GfXJuiPq2wL+gXnEG+v05
rX6M80LURjogurKKvCJxaoCidFhtlquSq8CuKQV4DBvlhsekeo2ZiMBbxCvJgeP0EVOeFucFnI
7xnN3iAXxnkMYOJgzZZ4ShGojRkF8KwPwn8T2zJIE+cOT/cgaruJt8kSVJLmkE+YsyUrWtyim6
rBTFnkPc3JhnP9SmZZkzE3scM8i08c3BaoR8ebHom3xPKOP6KaYvql2E9caZpg7ZrVjsG+TZio
qDvVwAAalp3HxN6y2ESR/LwE35+J7nMKk0TFCiWnoKb/pxUos/patHn1CPWvAIM8QkGehV0xdpG
dpsWuyaexKk/N1895257/RJBhGL4M8y/1NUPwiQiC0sg0IW6K7I/PL6skVk5p/R+ZccGpPhVRU
Bb3oJ26AiZtXsef3mP7lRvHenjCEEvg3iZXbxFGnN4eCDrHyMkn8munH5j9zio/B3ttgrcmD7D
HAj85WjFWkiaPjkg+bs3l6+c/flMZfJElTfvrFRPM9ko8evvtzG7JLVuN1PjOtnlVwfrbnbntQ7
I+7AtOSQfn63e41k0Hew//G7VXIDw17TfTlejePNAdVXfkIMMqH7mYGy9QkoRea8wW61M+L1E1
SyOUdhpU05W4jqZPbaGjuylHf5GicEpcYW/MiskxxU96WNYClI6CaFt1TqSuhcc55kyRpTwnO
lgISSgKYVaLqhtPhO5uRL2qXdYQva6F5f46nkA+HrDRxjxiUft+3Sv7NValy68fivSNpZbcXqz
8SWx80AavEZdc2yKdumXaB6CicLXDcSC7ZGBQWJApKticRPue7IpZGUKASpx9kWwlnPomwLLmF
kABjNwdqGymuyzYOaB0HWiBgc92vGuamjDE/M5X870k3qE5DNwLXwuDbtquOQoO2LxsocPJ7Dn
msFuI0yhkCZ+fMgN500gHgML7doRiPWHKE4P3d2wweWENwVEC2FZgc8i5LhwFHhgvv7XDonoeV
eJx58OR54H2whsHYKzq8oIFwfJpC0aoRFKJrn21D+fmkO2XA2/uVK3eK3kf6eDJGUzUUAASQW
1xAJNouIiuPjmh1HbQ9WrQSOL9sHlN3FII/TZ3/ce0LqIH6XAz8/9dvFM0vUdqeIF53ofW52O
FLJkXBF6tAfeXFuoWh6ksvFYLhdejdLEVAz0z97DpSacHG7DbkPBzeMjGWHEZHkIuOMdJPh6GR
X1wov+9LwlSopS733sLRRSbmw3VReJrcSZAfQDpkgfLkJptTlSuzYnmdIOrH+TynTYyV0qKmu
lHTE7zcxZjCqVAGj/zEymCdoZSAfze33tpH8zBV02wGznzWWhIGld3eBRMC4plnLoeyiYu3nWf
10V2AcErkEx8hvxXKLbSEgR+etrww5EPgm21U0X2s/NyPwzMuYTBFCZu6T/VS3zVSwBKst+3v
nkpWQ01ajwrKulyI8Ea33nQynKUuDna7DBQxlFFt14MsIxabtUjivwdlcZJii5q8tpUa913Z50
XLbzrQhENaQRjYfYzyUM20FyeO4Kul01P35x+F9TN0t8Q93hrEFbjswN93VmdvSGMHm8NTdvU1
aGug9Amp+4rubo7UhsBji4wifdnZf5Sqqf7Q6rFD61OXs4hSiIPLf3/lKrO7+469lepfsOGzeF
/kurmweubVKWnVD09n6SY/swXTHynbtMBz7GFobkxeXs5HDtxKxLHICgCez2zyIUbHO9YN508O
/GCCLWv3tf2gII28JZYIndcfkuWlJ/x0sbvgMDVoWZh55o6VFVP6Vh1qcsxXrctqElNuXp0Yui
LGTKb20SrHDvtepkt3LVzG22yrSh5wuaunBlBt7vswRBzoy1e1E48NN0hb2a+P/YD29VkmYg8M
AFbElLx5MY+Ocd8Znosa9uJgYBzHyPKblPnIJMxJRZs/YxoPds88iXbUAgc9pSxz16niXSrm9a
JuBhUYx/89uzJsUUvgSicBeVv2jptjjN5ctw280rpz9590uYjLgsKrAMmbjLyq/6c6sUCrvVZt
G9LdGZut70slfUyu3DD4ZAP/Poc4K7VlEHXaFK7JLxyU/ioI+PsZayQe7W5sQf91PmeJfcmoWV
idQLQOxExkG6Q3Rx4iaCChVonB3J5ktD8uuAiIxyv3GwA0NrwSrmWjRmJmbfDWRdpmZsd8UU4b
oPzvsFdD8HP0WZBva0p3/xiZ/6eTFnyIVOX+y7T7fZ61zjaUqieygIldehY48wt5w/75le7198
jmZdksWm/HeEBEJNEb/ApWQF/Ys47Ngi8YHzbaR8+RPdY0qYDf/N03F76/MDVtAphvNHB0FTyI
tyYRRUM4amouLm9GntzFkb8/hanqHK7pTdIC2l3GncU7WEIV2eeye1Do2yI4JcXjXZc70o5Lo1
aUo+ER0xbMVibdyMcJHLcgNCi7rsk2MeVpQWUVuKqOrZ6ZZDO7OaPSMu3i5zTT+s8a0aaGCipQ
FhRMQR/++n4yO2Pk0VgkcHkIAD/8mSBd7Rpp6ovAtea407QOq4jqKejJ1b5FVPNppD3FiFnKXa
XziiYB3mejm2na5q0PqRphEVwvNcnhRaoI8nZ2tq1D0VpuMt83h3PzgzX8hbvacINCxbZnLPM8
DrRh2CnD2k6coG4KQ+zPdbJTlljBrsVGyXa5bgx6woxZzfa2WvndjXG8sL81cmC/PgeRN6/EX9
8PT6vnc9L8u0e9PHY/A9JE/bD"/>
    </mer:finishThreeDs>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:finishThreeDsResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorMessage=" " errorCode="0"
returnUrl="http://ya.ru?orderId=8b5b7ee5-eb5a-4cf4-81ec-7153f7ca2864"/>
    </ns1:finishThreeDsResponse>
  </soap:Body>
</soap:Envelope>
```

4.2.2.2. External MPI.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number received after order registration
pan	N..20	yes	Card number
cvc	N..3	yes	CVC
year	N..4	yes	Expiry year
month	N..2	yes	Expiry month
cardholderName	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP adress of the payer
email	ANS..*	no	Email adress of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
params		no	An additional tag with the attributes for passing additional parameters of the merchant.* In case of external MPI using, IPS expects that <u>each</u> payment request contains "eci" parameter. If this parameter value differs from the values used for SSL-authorizations, it is also <u>necessary</u> to send "xid" and "cavv" parameters.

* Fields of additional informaiton to be stored. These fields may be transferred to a bank processing in order to display them in registers. **

** This functionality may be enabled under the agreement with the bank during the integration. To send N parameters, the request must contain N params tags, where the name attribute contains the name and value attribute contains the value.

If the external MPI is used and if there is an appropriate IPS permission to use it, then the purpose of the additional parameters list also includes storing and sending to SmartVista of cavv, xid, eci parameters.

Name	Type	Mandatory	Description
name	AN..20	yes	Additional parameter name
value	AN..1024	yes	Additional parameter value

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred during registration of the order.
errorMessage	AN..512	no	Description of the error in the language specified in the Language parameter of the request.
info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...

If errorCode = 0 and info = "Your order is proceeded, redirecting" - the payment was executed successfully. For other cases see errorMessage.

Possible codes for errors (the errorCode field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	There are no payment attempts any more of the session is expired
5	Data validation error
7	System error

Example request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header>
    <soapenv:Body>
      <mer:paymentOrder>
        <order orderId="f0c87e00-7b26-4573-942f-3d40596a6d43"
year="2015" month="12" pan="4111111111111111" cvc="123"
cardholderName="A Moriarty" language="ru" ip="?">
          <!--Zero or more repetitions:-->
          <params name="xid" value="MDAwMDAwMDEzMzkyMjg5ODExNTc=" />
          <params name="eci" value="05" />
          <params name="cavv" value="AAAABCpEChRM5IomAKFAAAAAAAAAA=" />
        </order>
      </mer:paymentOrder>
    </soapenv:Body>
  </soapenv:Envelope>
```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:paymentOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="0" info="Your order is proceeded,
redirecting..." />
    </ns1:paymentOrderResponse>
  </soap:Body>
</soap:Envelope>

```

4.2.3. Request for preauthorized order completion

To deposit payment for a preauthorized order use the `depositOrder` request. This request is not available by default.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
depositAmount	N..5	yes	Deposit amount in the order currency. Can be less or equal to the preauthorized amount. Cannot be less than 1 standard currency unit (e.g. 1 euro, currency used depends on the system configuration).
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error message will be returned in this language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error that occurred during deposit.
errorMessage	AN..512	no	Description of the error in the language specified by the Language parameter of the request.

Attention!!! If you specify zero in `amount` parameter, completion occurs for the entire pre-authorized amount.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
5	deposited amount is exceeding approved amount
5	deposit amount must be at least 1 ruble or equal to zero
5	Access denied
5	The user must change his password
6	No such order

6	[orderId] is empty
7	Payment must be in approved state
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:depositOrder>
      <order language="ru"
orderId="4302d369-a5e8-4432-a5e5-42acfab52c86" depositAmount="30000">
        <!--Zero or more repetitions:-->
        <params name="?" value="?"/>
      </order>
    </mer:depositOrder>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:depositOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="6" errorMessage="No such order"/>
    </ns1:depositOrderResponse>
  </soap:Body>
</soap:Envelope>
```

4.2.4. Order status request

To inquire state of a registered order, use the `getOrderStatus` request.

The order status must be determined by the value of `orderStatus` parameter.
`authCode` field is deprecated.

Request parameters:

Name	Type	Mandatory	Description
------	------	-----------	-------------

orderId	ANS36	yes	Order identifier in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages, if any, will be returned in this language.

Response parameters:

Name	Type	Mandatory	Description
orderStatus	N2	no	This parameter shows order status in the payment gate. Possible values are listed in the table below. Parameter is absent if no order with the specified ID was found.
errorCode	N3	no	Code of the error that occurred in the course of processing the request.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.
orderNumber	AN..32	yes	Order number (identifier) in the merchant's system
pan	N..19	no	Masked number of the card that was used for payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents)
currency	N3	no	Code of the payment's currency (according to ISO 4217).
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.
authCode	N3	no	This parameter is deprecated. Its value is always "2", regardless of the order status and processing system authorization code.
ip	AN..20	no	IP address of the computer that the order initiated on.
date	ANS	yes	Date of order registration
orderDescription	AN..512	yes	Order description that was sent during registration
actionCodeDescription	AN..512	yes	Description of action code the language specified in the Language field of the request.
clientId	AN..255	no	Number of the client (identifier) in the merchant's system. Transferred, when order is registered. Present only if creation of ligaments is allowed for merchant.
bindingId	AN..255	no	Identifier of the ligament created while paying an order or used to pay for. Present only if creation of ligaments is allowed for merchant.

The **orderStatus** field may have the following statuses:

State number	Description
0	The order is registered, but not paid yet.
1	Pre-authorisation amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Possible codes for errors (the **errorCode** field):

Value	Description
0	No system error.

1	Order with this number is already registered in the system.
2	Payment is declined
5	The user must change his password
5	Access denied
5	[orderId] is empty
6	Unknown order id
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:getOrderStatus>
      <order orderId="b1221b79-5703-42c9-a4b1-ed0d0f36493e"
language="en"/>
    </mer:getOrderStatus>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:getOrderStatusResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderId="b1221b79-5703-42c9-a4b1-ed0d0f36493e"
orderNumber="456789012345678" pan="411111**1111" expiration="201512"
cardholderName="Ivan" amount="15000" currency="810" approvalCode="123456"
authCode="2" ip="212.5.125.194" date="2013-09-03T16:48:52.459+04:00"
orderDescription=" " actionCodeDescription="Request processed successfully"
clientId="666" bindingId="df0b1801-a754-4576-b174-c2485d98bc9b"/>
    </ns1:getOrderStatusResponse>
  </soap:Body>
</soap:Envelope>
```

4.2.5. Extended order status request

To inquire about state of a registered order, use the `getOrderStatusExtended` request.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes*	Order identifier in the payment gate. Unique within the gate.
merchantOrderNumber	AN..32	yes*	Order number (identifier) in the merchant's system
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages, if any, will be returned in this language.

* It is necessary to specify whether `orderId` or `merchantOrderNumber` in the request. If the request contains both parameters, `orderId` is a priority.

There are 3 sets of response parameters. These sets depend on `getOrderStatusExtended` version, specified in merchant settings.

Response parameters for versions 01, 02,03:

The following parameters are returned regardless `getOrderStatusExtended` version.

Name	Type	Mandatory	Description
orderNumber	AN..32	yes	Order number (identifier) in the merchant's system
orderStatus	N2	no	State of the order in the payment gate. The value is selected from the list below. Absent if no order with the specified ID was found.
actionCode	N3	yes	Processing system authorization code.
actionCodeDescription	AN..512	yes	Action code description on the language passed in the parameter Language"
errorCode	N3	no	Code of the error that occurred in the course of processing the request.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents)
currency	N3	no	Code of the payment's currency (according to ISO 4217).If not specified, assumed to be 810 (Russian rubles).
date	ANS	yes	Date of order registration.
orderDescription	AN..512	no	Free-formed description of the order.
ip	AN..20	yes	IP address of the computer that the order initiated on.

Element `merchantOrderParams` is present in the response if the order contains merchant additional parameters. Each additional parameter is described in separate element `merchantOrderParams` by the following fields:

name	Type	Mandatory	Description
name	AN..20	no	Name of additional parameter
value	AN..1024	no	Value of additional parameter

Element `cardAuthInfo` – the structure includes element `secureAuthInfo` and the following attributes:

name	Type	Mandatory	Description
maskedPan	N..19	no	Masked number of the card that was used for payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
approvalCode	AN6	no	IPS authorization code. Specified only for paid orders. The field has fixed length of six characters, it can contain both numbers and letters.

Element `secureAuthInfo` (includes element `eci` and element `threeDSInfo` with parameters `cavv` and `xid`):

name	Type	Mandatory	Description
eci	N..4	no	Electronic Commerce Indicator. Set just after the payment order in the case of a permit
cavv	ANS..200	no	Cardholder Authentication Verification Value. Set just after the payment order in the case of a permit.
xid	ANS..80	no	Electronic Commerce Transaction Identifier. Set just after the payment order in the case of a permit.

Element `bindingInfo` consists of the following fields:

clientId	AN..255	no	Client number (ID) in the shop system, transferred during the order registration. Presents only if a shop is allowed to create bindings.
bindingId	AN..255	no	Binding identifier created during order payment or used for payment. Presents only if a shop is allowed to create bindings.

Response parameters for versions 02, 03:

If *getOrderStatusExtended* version is 02 or higher, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
authDateTime	ANS	no	Authorisation date and time
authRefNum	AN..24	no	Reference number
terminalId	AN..10	no	Terminal Id

Response parameters for version 03:

If *getOrderStatusExtended* version is 03, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
Element <i>paymentAmountInfo</i> consists of the following parameters:			
approvedAmount	N..20	no	Amount hold on the client's card (only for two-phase payments)
depositedAmount	N..20	no	Amount confirmed for deposit
refundedAmount	N..20	no	Refund amount
paymentState	N2	no	Payment state
Element <i>bankInfo</i> consist of:			
bankName	AN..200	no	Name of issuing bank
bankCountryCode	AN..4	no	Code of issuing bank country
bankCountryName	AN..160	no	Country of issuing bank in language specified in language parameter or in user language if language parameter is empty

The *orderStatus* field may have the following values:

State number	Description
0	The order is registered, but not paid yet.
1	Pre-authorisation amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated.
6	Authorization declined

Possible codes for errors (the *errorCode* field):

Value	Description
0	No system error
1	Expected [orderId] or [orderNumber]
5	Access denied
5	The user must change his password
6	Order not found
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:getOrderStatusExtended>
      <order orderId="942e8534-ac73-4e3c-96c6-f6cc448018f7"
language="en">
        <!--Optional:-->
        <merchantOrderNumber> </merchantOrderNumber>
      </order>
    </mer:getOrderStatusExtended>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:getOrderStatusExtendedResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return orderNumber="0s7a84sPe49Hdsddd0134567a0"
orderStatus="2" actionCode="0" actionCodeDescription="Request processed
successfully" amount="33000" currency="810"
date="2013-11-13T16:51:02.785+04:00" orderDescription=" " errorCode="0"
errorMessage="Success">
        <attributes name="mdOrder"
value="942e8534-ac73-4e3c-96c6-f6cc448018f7"/>
          <cardAuthInfo maskedPan="411111**1111" expiration="201512"
cardholderName="Ivan" approvalCode="123456"/>
            <authDateTime>2013-11-13T16:51:02.898+04:00</authDateTime>
            <terminalId>111113</terminalId>
            <authRefNum>111111111111</authRefNum>
            <paymentAmountInfo paymentState="DEPOSITED"
approvedAmount="33000" depositedAmount="33000" refundedAmount="0"/>
            <bankInfo bankName="TEST CARD" bankCountryCode="RU"
bankCountryName="Russian Federation"/>
          </return>
        </ns1:getOrderStatusExtendedResponse>
      </soap:Body>
    </soap:Envelope>

```

4.2.6. Order reversal request

To reverse an order use the `reverseOrder` request. This functionality is available for a limited period, that is specified by the Bank.

The reversal operation may be performed only once. If the reversal request caused an error, the next try will not be successful.

The reversal operation is available for merchants only under agreement with the Bank. To perform the reversal request a user must have an appropriate permission.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error message will be stated in this language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error that occurred during reversal.
errorMessage	AN.512	no	Description of the error in the language specified in the Language field of the request.

Possible codes for errors (the errorCode field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Reversal is impossible for current transaction state
7	System error

Request example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:reverseOrder>
      <order language="en"
orderId="f88a2bbf-2021-4ccc-8783-8a13068a89f9">
        <!--Zero or more repetitions:-->
        <params name=" " value=" "/>
      </order>
    </mer:reverseOrder>
  </soapenv:Body>
</soapenv:Envelope>
```

Response example:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:reverseOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="7" errorMessage="Reversal is impossible for
current transaction state"/>
    </ns1:reverseOrderResponse>
  </soap:Body>
</soap:Envelope>
```

4.2.7. Refund request

Use `refundOrder` request to refund deposited money.

This request returns money paid for the order back to the client. Request causes an error if the client is not charged. The payment gate allows

multiple refunds, but their total amount cannot exceed the amount that was deposited from the client's account as a result of the order.

A user must have a corresponding permission in the system to perform this operation.

Request parameters:

Name	Type	Mandatory	Description
orderId	ANS36	yes	Order number in the payment gate. It is unique within the gate.
refundAmount	N..5	yes	Refund amount in the order currency. May be less or equal to the current charged amount (which is lowered by previous refunds).
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages will be stated in this language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error that occurred in the process of the refund.
errorMessage	AN..512	no	Description of the error in the language specified in the Language field of the request.

Possible codes for errors (the errorCode field):

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
5	Amount is invalid
6	No such order
7	Refund is impossible for current transaction state
7	Refund amount exceeds deposited amount
7	System error

Request example:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mer="https://ecom.alfabank.ru/api/soap/merchant-ws/">
  <soapenv:Header/>
  <soapenv:Body>
    <mer:refundOrder>
      <order language=" "
orderId="4302d369-a5e8-4432-a5e5-42acfab52c86" refundAmount="20000">
        <!--Zero or more repetitions:-->
        <params name=" " value=" "/>
      </order>
    </mer:refundOrder>
  </soapenv:Body>
</soapenv:Envelope>

```

Response example:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns1:refundOrderResponse
xmlns:ns1="https://ecom.alfabank.ru/api/soap/merchant-ws/">
      <return errorCode="7" errorMessage="Refund amount exceeds
deposited amount"/>
    </ns1:refundOrderResponse>
  </soap:Body>
</soap:Envelope>

```

5. REST interface

Interactions are implemented as HTTP requests with GET or POST methods to certain URLs, separate for each individual request type (see "Address data for connections" section for exact addresses). Parameters of interactions are sent as parameters of GET or POST requests; values should be URL encoded.

Result of processing the request returns as a JSON object. Example:

```

{"errorCode": "12", "errorMessage": "Empty amount"}

```

For authorization purposes each request should include login and password of the merchant that were produced during its registration. Login and password values are sent as the following parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Login of a user received during registration.
password	AN..30	yes	Password of a user received during registration.

Requests for one- and two-phase schemes may differ. Requests for each scheme are described below.

In design of the pages (payment page, the error page) you have to use Unicode (UTF-8).

Special characters in REST requests must be screened in accordance with the URL-code. The table of characters is represented here - <http://web-developer.name/urlcode/>. For example, password "qwe?rt%y" should be transferred as "qwe%0Frt%25y".

If the Error code = 0, the request was processed by the Payment gate without system errors (error code does not show the status of the order).

To get the status of an order should use the request `getOrderStatus` or `getOrderStatusExtended`.

5.1. One-phase payment requests

5.1.1. Order registration request

To register an order in the payment gate use `register.do` request (see "Address data for connections" section).

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	yes	Code of the payment currency, according to ISO 4217.
returnUrl	AN..512	yes	Web address that the client should be redirected to after successful payment. Absolute link must be specified.
failUrl	AN..512	no	Web address that the client should be redirected if the payment failed. Absolute link must be specified.
description	AN..512	no	Free-formed description of the order.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings.
pageView	ANS..20	no	<p>This parameter indicates what type of payment interface pages should be uploaded for the payer. Possible values:</p> <ul style="list-style-type: none">• DESKTOP – to upload pages designed for displaying on PC monitors (pages with names <code>payment_<locale>.html</code> and <code>errors_<locale>.html</code> from archive of payment interface pages);• MOBILE – to upload pages designed for displaying on mobile devices (pages with names <code>mobile_payment_<locale>.html</code> and <code>mobile_errors_<locale>.html</code> from archive of payment interface pages);• If the merchant has pages with names formed by adding of some prefix to the template part of the page name, then you can specify necessary prefix in the <code>pageView</code> parameter in order to redirect client to the corresponding page. For example, if <code>pageView=iphone</code> then pages with names <code>iphone_payment_<locale>.html</code> and <code>iphone_error_<locale>.html</code> will be used. <p>Where:</p> <p> <code>locale</code> – the page language in 2-alpha code according to ISO 639-1, e.g. <code>ru</code> for Russian and <code>en</code> for English.</p> <p>Default value is <code>pageView=DESKTOP</code>.</p>
clientId	AN..255	no	Client number (ID) in the shop system. It is used for bundles functionality implementation. Presents only if a shop is allowed to create links.
merchantLogin	AN..255	no	To register the order from the name of the child merchant, specify its login in this parameter.

jsonParams	AN..1024	no	<p>Block for sending of merchant additional parameters. Fields of additional information for storage, should be sent as:</p> <pre>{ "<name1>": "<value1>", . . . , "<nameN>": "<valueN>" },</pre> <p>These fields may be passed to the bank processing for their representation in registers.*</p> <p>This functionality can be switched on during the integration period at the agreement with bank.</p> <p>If notification of the client is switched on for the merchant, this block should contain parameter with name <code>email1</code> which value is a client's email.</p>
sessionTimeoutSecs	N..9	no	<p>Duration of order life in seconds.</p> <p>If the parameter is not specified, then the value from merchant settings is used, otherwise - the default value (1200 seconds - 20 minutes).</p> <p>If the request contains <code>expirationDate</code> parameter, the parameter <code>sessionTimeoutSecs</code> is ignored.</p>
expirationDate	ANS	no	<p>Date and time of termination of order life. Format: <code>yyyy-MM-ddTHH:mm:ss</code>.</p> <p>If this parameter is not specified, the <code>sessionTimeoutSecs</code> parameter is used to determine date and time of termination of order life.</p>
bindingId	AN..255	no	<p>Identificator of the binding, that was created earlier. May be used only if the merchant has permission to work with bindings. If this parameter is sent in the request, that means:</p> <ol style="list-style-type: none"> 1. This order may be payed only by binding; 2. The payer will be redirected to a payment page, where entering of CVC only is required.

* By default the following fields are passed to the bank processing:

- `orderNumber` – order number in the merchant system;
- `description` – order description (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n).

If additional parameter with name `merchantOrderId` is sent with the order, then its value will be passed to the bank processing as order number (instead of value of `orderNumber` field).

Response parameters:

Name	Type	Mandatory	Description
<code>orderId</code>	ANS36	no	Order number in the payment gate. Unique within the gate. Absent if order registration failed (error is described in <code>errorCode</code>).
<code>formUrl</code>	AN..512	no	URL of the payment form that the client should be redirected to. Absent if order registration failed (error is described in <code>errorCode</code>).
<code>errorCode</code>	N3	no	Code of the error that occurs during registration.
<code>errorMessage</code>	AN..512	no	Description of the error in the language sent in the <code>language</code> parameter of the request.

Error codes (values of the `errorCode` field)

Errors classification:

Value	Description
0	No system error.
1	Order number is duplicated, order with given order number is processed already
3	Unknown currency
4	Mandatory request parameter was not specified
5	Erroneous value of a request parameter.
7	System error.

Possible error messages:

Value	Description
0	No system error
1	Order with this number was already processed.
1	Order with this number was registered, but was not paid off.
1	Invalid orderNumber
3	Unknown currency.
4	Order number is empty
4	Empty merchant user name
4	Empty amount
4	Return URL cannot be empty
4	Password cannot be empty
5	Invalid value of one of the parameters
5	Access denied
5	The user must change his password
5	Invalid [jsonParams]
7	System error

GET Request example:

```
https://tws.egopay.ru/ab/rest/register.do?amount=100&currency=810&language=ru&orderNumber=87654321&password=password&returnUrl=https://web.rbsuat.com/ab/finish.html&userName=userName&jsonParams={"orderNumber":1234567890}&pageView=MOBIL&expirationDate=2014-09-08T14:14:14&merchantLogin=merch_child
```

POST Request example:

```
amount=100&currency=810&language=ru&orderNumber=87654321&returnUrl=https://tws.egopay.ru/ab/finish.html&jsonParams={"orderNumber":1234567890}&pageView=MOBIL&expirationDate=2014-09-08T14:14:14&merchantLogin=merch_child
```

Response example:

```
{"orderId": "70906e55-7114-41d6-8332-4609dc6590f4", "formUrl": "https://web.rbsuat.com/ab/merchants/test/mobile_payment_ru.html?mdOrder=70906e55-7114-41d6-8332-4609dc6590f4" }
```

5.1.2. Order payment request

Validation of card data is performed in accordance with the table:

Name	Description	Validation
PAN	Full card number	Luna validation (checking if the card number is real), the number of digits in the card number - from 13 to 20
CVC	CVC code	3 digits
YYYY, MM	Year, month of card expiry	The date in present or future. If the card expiry is a current month, the payment is possible until the end of the month
TEXT	Cardholder name	Is not verified

5.1.2.1. Internal MPI

Use `paymentorder.do` method for payment request.

Only POST request is supported.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant login received after merchant registration
password	AN..30	yes	Merchant password received after merchant registration
MDORDER	ANS36	yes	Order number received after order registration
\$PAN	N..20	yes	Card number
\$CVC	N..3	yes	CVC
YYYY	N..4	yes	Expiry year
MM	N..2	yes	Expiry month
TEXT	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP address of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
bindingNotNeeded	boolean	no	Possible values: <ul style="list-style-type: none">• <code>true</code> – turns off the creation of binding after successful payment (client identifier, sent with order registration request, will be deleted from order details after the payment);• <code>false</code> – successful payment may result binding creation (under the appropriate conditions). This value is a default value.
jsonParams	AN..1024	no	Fields of additional information for storage, the type is <code>{"param": "value", "param2": "value2"}</code> . These fields may be transferred to the bank processing for their representation in registers. Fields <code>orderNumber</code> and its <code>description</code> are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n). This functionality can be switched on during the integration period at the agreement with bank.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred in the process of the refund.
error	AN..512	no	Description of the error in the language specified in the Language field of the request.

info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
redirect	AN..512	no	Address for return after the payment
termUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
acsUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
paReq	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.

Possible codes for errors (the **errorCode** field):

Name	Type
0	No system error
5	There are no payment attempts any more
5	System or intenal error

Request example:

```
MDORDER=0d4b02cb-5147-4232-9012-4d38c743ahr6&
$PAN=5555555555555599&$CVC=123&YYYY=2015&MM=12&TEXT=Card Holder&language=ru
```

Response example in case of payment, that does not require additional authentication on Issuing bank ACS:

```
{ "redirect" : "www.ya.ru?MDORDER=8cfb5c89-c2db-49e4-80c5-a0569c897cbf&ANSWER
=%3C%3Fxml+version%3D%221.0%22+encoding%3D%22UTF-8%22%3F%3E%0A%3CPSApiResu
lt+primaryRC%3D%220%22+secondaryRC%3D%220%22%2F%3E&STATE=payment_deposited
&ACTION_CODE=0&AUTH_CODE=2", "info": "Your order is proceeded,
redirecting...", "errorCode": 0 }
```

Response example in case of 3DS-payment, that requires additional authentication on Issuing bank ACS:

```

{"info": "Your order is proceeded, redirecting...",
"acsUrl": "https://tws.egopay.ru/acs/auth/start.do",
"paReq": "eJxVUdFygjAQ/BWG9xKioNQ54tCirQ+oo/QDKNwAVYIGENuvbyJQ60Nmdu8um80ez
K/FUbugqPKS\nuzo1TF1DHpdJzlnX/wiXT44+ZxBmAtHfY9wIZBBgVUUpanni6kWVG1RnsPV2e
GbQKzEpZlyADFre\nEXEW8ZpBFJ9fVmtmjaYT0wTSUyhQrHw2BdIB4FGBbI8X5Is8zep1zhHlr
Qhx2fBafLOJNQYyEGjE\nkVW1fZoR0ratkZZlekRDNEBUB8jdwbZRqJK1zxhge+13Vn8bMLD9
yZM7eDLs4Lw4AJRE5BENbKR\nSS3TNm2NOjPTmVnS+60OUaEsMGrKrvpQR+GkXvEee/9rILMUM
urhHwMDvJ5Kjnjc5veHgdxdv76r\nFONaxuSveRIvnyfeWxjsNk4QHxJaFZ/V+NIuVba3IaWYy
4ioTTtJRYAoGdKvjfQrlehh1b8e17SS\n",
"termUrl": "https://tws.egopay.ru/:443/ab/rest/finish3ds.do",
"errorCode": 0}

```

If 3-D Secure technology is required to perform payment, then after the response to the payment request has been received the merchant must redirect the client to ACS:

In order to redirect client to ACS, the merchant must perform redirection to the address specified in the `acsUrl` parameter with the body of the request:

`MD=mdorder&PaReq=pareq&TermUrl=termUrl,`

Where:

- `mdorder` - unique order number in the payment gate system,
- `pareq` - a parameter from the response to the payment request,
- `termUrl` - a parameter from the response to the payment request.

Depending on integration scheme the client after authentication on ACS will be redirected to merchant or to the payment gate. Processes of payment completion for each of these cases are represented below.

5.1.2.1.1. Return to payment gate from ACS

Issuing bank ACS executes authentication of the cardholder and redirects him to the payment gate sending `paRes`. If the client was authorized on ACS successfully the payment gate authorizes the order. Otherwise the order preauthorization is declined.

5.1.2.1.2. Return to merchant from ACS. The scheme with use of additional method Finish 3DS

In this scheme issuing bank ACS executes authentication of the cardholder and redirects him to the merchant. `paRes` from ACS is sent to the merchant. Then the merchant transfers it to the payment gate by the `finish3DSPayment.do` method.

Description of `finish3DSPayment.do` is represented below:

Request parameters:

Name	Type	Mandatory	Description
<code>mdOrder</code>	AN..30	yes	Order number received after order registration
<code>paRes</code>		yes	Payer Authentication Response

Response parameters:

Name	Type	Mandatory	Description
redirect	AN..512	no	URL of the payment form, where the client's browser to be redirected.
errorCode	N3	no	Code of the error that occurred in the process of the refund.
error	AN..512	no	Description of the error in the language specified in the Language field of the request.

If errorCode = 0 - the payment was executed successfully. For other cases see error description.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error.
5	Access denied
5	The user must change his password
7	The order was not found
7	System error

Request example:

https://tws.egopay.ru/ab/rest/finish3dsPayment.do?mdOrder=906bf262-bd53-4ac7-983c-07127954681b&paRes=eJzFV2uTokoS%2FSsTcz8aPYCC6A3HiOKNCshT8BtCyRuUN%2Fz6RXu6p%2B9s78bsbtXyIgyLE5VJnso8%0D%0AlVUbIywhZHToNSXcbiRYVW4Av0T%2B969ZFXzDvm43R6DB6on4qwW%2Bdq%2FwhVi58AVfXvAXlySWL951%0D%0AQULU8yD0HwYtLKuoyLfYN%2FTbfIO8vU70Sy9083q7cb07JcpcbFE4uUXSD%2FHjdZLAUmS25QV4HG%2BSn%0D%0AxbF5jKopxD7ytxIDutcfOypGMigGi8mj2Mlj8n2DPGZsfLeG2zmK4SiBE1%2Bw5Z%2Fo8k9siuaJb24P%0D%0AdyArmsn3nEDRRxQfsc20HCXMvWG7xBcb5P1tA%2FtbkcOH1QZ5H2%2BQn%2BHd3HyLfniw6Zl8T%2BjGsLeb%0D%0Aoso%2BDeuJb6rarZtq62yQH6ON57btFgBAUQt%2FLELlvNechTSAAt2ei%2B5yygV60RYkppqOn%2FaQXSoCij%0D%0Aosweof4V2CCPUJBnYrcbPQry6WML%2FNJnaV59%2FxrW9e1PBOm67lu3%2BFaUATKfciCDoGpkm%2BFUU%2FFPH1%0D%0A1Qr6Yn4t%2FiMz2s2LPPLCnBrdeqoKCdZh4X95j%2B0zN4b28IQhGku%2FTK5ePAzPXx4IuscIySfyudMP%0D%0AzH7nK78GW1buSxW6j4JGfnG03WjwCh8VAb%2BYmvj96x%2B%2FqQwmCmBV%2FzfRvEXy0cObP8tNG7hlvTHg%0D%0AZld%2BdR0XC5bRZ0wYBGuMX0TS9ze715kb5D38H9xeE%2FlhwV4nhqxy1zVg8vNYF6J7bIQ75sC3lBX1%0D%0AvfnyZIdDwMh25uRqdQpmB%2FFgIVlIKGMHFihB%2FQYfHIkQuagyA0JJJOEij%2FEj267KDx4zB6cpEayhj%0D%0A6JGjXBat9Pu5lhZ3S7RqlaN3A4Pn%2BpAp1zUteVK%2FNnftfICCarw7pnsiLt3N6B2MtOSdkF%2BC7x%2BS%0D%0A9IP1Hg6vrGwCXTNu7b6OafjW0XWqlmkfkesRLgyaBsE9AJ1IguDcgWPO6SN0oll6kQDK0%2Fqd18XL%0D%0Ag1FZilJN1LGgp0ewowLzooBjgNQyJA10TOawlqru2c5nHHsXnnlulNSuo1%2FxA9vJqm6pPwUA46ut%0D%0AZNACdfNpblJm16hE4TzjsKjESJ0cAlQazV7iigkTn5g0vmOdyrAHCSQ8wEYWCiXasqSeZYDy6rcw%0D%0AKFQOvYxLHFvqGQbsX%2FHKABilSxhWk8DqaQt6SfT4FD3Yu%2FayULvgvOoYldnti7MYtp4MnpzBRA0F%0D%0AksjvQMFTYM%2BTfuSWjBpgpBlN7c6tBE6PT%2BHRv6yR9c0%2Btyewb7xld7%2FHzCJvzWU3a3a1I3J3Gw9t%0D%0AehYnJExwiyPjNmG4hYai11xI151iNddRTTLAZlT7djIkvrosh6ELbamzLp6yajDc4y2knxEW7BIj%0D%0AKC3tcj%2BniilmME3l9oRdqx0hRLplFVZwSEEGUQDwceCKT26COuVCQxWkclhOThaLcK1iFH%2BNCrLp%0D%0A9zKcp46Pcc1OEsBjfxYx024SD8G%2FmluYeqLGuZbVqqPVZ655tttZ5siqEsCf60yHkqDOucE5aaE3%0D%0AspI0LeQT7yXGZFNT0ti06Z62DNuFnWurtZetW1%2F8tr67Z1xsp3ISmLhd%2Fylf3Gu%2BWCDc87m2lXtK%0D%0A7VHcnQdRxicF4h7mzknSghDFB2M%2FiztSSXaIefIBFpArc5cQSGns1nOCXEcFUVbZQbCtWXPylqdy%0D%0AKXIKDq59pLYz%2FoQcJXV1a%2FB1sYLtejBaxy2q1X3ER99UcK2yqW5dOlqjH3GLndfKfn8sMmV3cC86%0D%0AMVVfShdNQpI40hvsJN5flfmpVPPxIdXop1SnKucREQpdvf5%2FS1VmnFHG%2FirVH1h3jP8nqr4fvH5I%0D%0AlX9K9SSHkxSvv%2FIFE9%2Bp2mTA0FSkTm5UR191ScOZHJ64buTqh51GLC03GbFm6jwOd0fYwt6NB71D%0D%0AQe2eVhgUGjoc4Iq0A4Y%2F2g1g6eKy17BbQcZZlpIy1t2LtPcPdQ0KYi%2BWpzVU5OUMmS10vBaTZ1%2Ffe%0D%0AZ0vrYAy9TtQZKUzYwhICxW2c%2Bx10Pt3r3F1suLhq4rCa2XbfdlRTEFUnMkAFVIHz0ZMb9eTsm4F6%0D%0AoihdhwoCbq2PiM6xCEEgYKLP6vIN2TNU91gvQZdY16DygdLO8hq%2FmrKq5fhdISs9tuvbSfAlMnI5%0D%0A9saKf9PWqd00yhC9WS0ysb2dxkmbj7g0iaUMMHETkM%2Fqc8oXBejaptC2TtGzapqtWkffKrjTXRyH%0D%0AHXO4uXNLq1K3qfZ8vcJP6TGyUUOYU%2Fc%2BQ8bsOfCxnDf2iRcyFd8HXHZ3URlyGLgeEWcBTpDdgeWu%0D%0AgDGxynk0LJe0plz6kp51QNK0jJgeBGVGYOoQ32RuLdCzZL689KZ70ldz64TMb95xSwalkgx25Ki%2F%0D%0AJ1Nq9uiop%2F2bTElpPbWojqHtBp%2F5eXPwhjM77Bt8tQo%2B273%2BHsm8S1btJ8nisiGF6%2BdlldWewXrBNj%0D%0Aduob%2BjsP28rS0dEpwxd24SXzU5G1pjaUD1Cn1LLPt%2FV7XFb2%2BVNG7tm%2FpS2UkeKdTUD4J3HrG32v7%0D%0AeIgx2tnPdT%2FLmVpC1%2BMSdk17UOvMUwaubWoMoeZJo2p8CfXrCuHJS3XjclU9hXTToTYe9DCACqpl%0D%0APnKUgIpMkT7g0SGIjYt%2F5cANMjixFDDDiOvcSpXvsrQKkpArgPX22WLQESbKfQTUVTbat675WPOf%0D%0AHYelkE61JQD%2BZceRZX%2BJHI2BnN0Dwd%2Bdg%2BqCCnmEEGrEqUrSoNjHqEAXWshEyYMHvuOQYbYGGuOL%0D%0AuhK6Mm4oOrGcS6OD7KU0ETskYXSWu5SB2xP3qh1UJmKsBncxEd602JvfrYrq2LkLrd0Mk8hjnB%2FG%0D%0A7naxy1HVT7rQOJ15iTUuXhZuMtic3BxPzTK7rDX0s46D%2FDwnIu9nx5%2Bnyud19Hk7ftyfPt6a%2FwFG%0D%0ADPms%0D%0A&userName=login&password=password

Response example:

```

{"redirect": "http://ya.ru?orderId=906bf262-bd53-4ac7-983c-07127954681b", "errorCode": 0}

```

5.1.2.2. External MPI

Use `paymentorder.do` method for payment request.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant login received after merchant registration
password	AN..30	yes	Merchant password received after merchant registration
MDORDER	ANS36	yes	Order number received after order registration
\$PAN	N..20	yes	Card number
\$CVC	N..3	yes	CVC
YYYY	N..4	yes	Expiry year
MM	N..2	yes	Expiry month
TEXT	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP adress of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
bindingNotNeeded	boolean	no	Possible values: <ul style="list-style-type: none"> <code>true</code> – turns off the creation of binding after successful payment (client identifier, sent with order registration request, will be deleted from order details after the payment); <code>false</code> – successful payment may result binding creation (under the appropriate conditions). This value is a default value.
jsonParams	AN..1024	no	Fields of additional information for storage, the type is <code>{"param": "value", "param2": "value2"}</code> . These fields may be transferred to the bank processing for their representation in registers. * This functionality can be switched on during the integration period at the agreement with bank. In case of external MPI using, IPS expects that <u>each</u> payment request contains "eci" parameter. If this parameter value differs from the values used for SSL-authorizations, it is <u>necessary</u> to send "xid" and "cavv" parameters.

* Fields `orderNumber` and its `description` are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n)

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	да	Code of the error that occurred during registration of the order.
error	AN..512	нет	Description of the error in the language specified in the Language parameter of the request.

info	AN..512	нет	<p>The result of the payment attempt. Possible values are represented below:</p> <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
------	---------	-----	---

If errorCode = 0 and info = "Your order is proceeded, redirecting" - the payment was executed successfully. For other cases see error description.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
5	There are no payment attempts any more
5	System or internal error

Request example:

```
MDORDER=0d4b02cb-5147-4232-9012-4d38c743ahr6&$PAN=555555555555599&$CVC=123&YYYY=2015&MM=12&TEXT=Card
Holder&language=ru&jsonParams{"eci":"05","xid":"MDAwMDAwMDEzMzkyMjg5ODExNTc=","cavv":"AAABCpEChRM5IomAKFAAAAAAAAAA="}
```

Response example:

```
{"info":"Your order is proceeded,
redirecting...","redirect":"finish.html?orderId=00d4b02cb-5147-4232-9012-4
d38c743ahr6","success":0}
```

5.1.3. Order reversal request

To cancel payment of the order, use `reverse.do` request. This functionality is available for a limited period, that is specified by the Bank.

The reversal operation may be performed only once. If the reversal request caused an error, the next try will not be successful.

The reversal operation is available for merchants only under agreement with the Bank. To perform the reversal request a user must have an appropriate permission.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.

orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error.

Error codes (values of the errorCode field):

Error classification:

Value	Description
0	No system error.
5	Erroneous value of a request parameter.
6	Unregistered OrderId.
7	System error.

Possible error messages:

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Payment must be in a correct state.
7	Reversal is impossible. Reason: wrong internal values, check hold and deposited amounts.
7	System error.

GET Request example:

```
https://tws.egopay.ru/ab/rest/reverse.do?language=en&orderId=80c45f2e-8db4-4d20-9324-5b784a1fd8c3&password=password&userName=userName
```

POST Request example:

```
language=en&orderId=80c45f2e-8db4-4d20-9324-5b784a1fd8c3
```

Response example:

```
{ "errorCode": "0", "errorMessage": "Success" }
```

5.1.4. Refund request.

Use `refund.do` request to refund deposited money.

This request returns money paid for the order back to the client. Request causes an error if the client is not charged. The payment gate allows multiple refunds, but their total amount cannot exceed the amount that was deposited from the client's account as a result of the order.

A user must have a corresponding permission in the system to perform this operation.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error.

Error codes (values of the `errorCode` field)

Classification:

Value	Description
0	No system error.
5	Erroneous value of a request parameter.
6	Unregistered OrderId.
7	System error.

Possible error messages:

Value	Description
0	No system error

5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Payment must be in a correct state.
7	Wrong deposit amount (less than 1 currency unit, e.g. 1 euro).
7	System error.

GET Request example:

```
https://tws.egopay.ru/ab/rest/refund.do?amount=500&currency=810&language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208&password=password&userName=userName
```

POST Request example:

```
amount=500&currency=810&language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208
```

Response example:

```
{"errorCode":0}
```

5.1.5. Order state request

To get the current state of a registered order send data with `getOrderStatus.do` method (GET or POST) to the corresponding URL (see "Address data for connections" section).

The order status should be determined by the value of `OrderStatus` parameter.
`authCode` field is deprecated.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

Response parameters:

Name	Type	Mandatory	Description
OrderStatus	N2	no	This parameter shows order status in the payment gate. Possible values are listed in the table below. Parameter is absent if no order with the specified ID was found.
ErrorCode	N3	no	Error code.
ErrorMessage	AN..512	no	Description of the error in the language sent in the Language parameter of the request.
OrderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
Pan	N..19	no	Masked number of the card that was used in payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
Amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	no	Code of the payment currency, according to ISO 4217.
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.
authCode	N3	no	This parameter is deprecated. Its value is always "2", regardless of the order status and processing system authorization code.
Ip	AN..20	no	IP address of the user who paid for the order.
bindingInfo (element consists of clientId and bindingId):			
clientId	AN..255	no	Number of the client (identifier) in the merchant's system. Used to implement a functional of ligament. May be present, if the merchant is allowed to create the ligament.
bindingId	AN..255	no	Identifier of the ligament created while paying an order or used to pay for. Present only if creation of ligaments is allowed for merchant.

The **OrderStatus** field may have the following values:

State number	Description
0	Order registered, but not paid off.
1	Pre-authorization amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded.
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Error codes (values of the **ErrorCode** field):

Value	Description
0	No system error
2	The order is declined because of an error in the payment credentials.
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	Unknown order id

7	System error
---	--------------

GET request example:

```
https://tws.egopay.ru/ab/rest/getOrderStatus.do?
language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208&password=password
&userName=userName
```

POST request example:

```
orderId=b8d70aa7-bfb3-4f94-b7bb-aec7273e1f5e&language=en
```

Response example:

```
{ "expiration": "201512", "cardholderName": "tr
tr", "depositAmount": 789789, "currency": "810", "approvalCode": "123456", "authC
ode": 2, "clientId": "666", "bindingId": "07a90a5d-cc60-4d1b-a9e6-ffd15974a74f"
, "ErrorCode": "0", "ErrorMessage": "Success", "OrderStatus": 2, "OrderNumber": "2
3asdafaf", "Pan": "411111**1111", "Amount": 789789 }
```

5.1.6. Extended order state request

To inquire about state of a registered order, use the `getOrderStatusExtended.do` request.

Request parameters

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes*	Order number in the payment gate. Unique within the gate.
orderNumber	AN..32	yes*	Number (identifier) of the order in the merchant's system.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

* It is necessary to specify whether `orderId` or `orderNumber` in the request. If the request contains both parameters, `orderId` is a priority.

There are 3 sets of response parameters. These sets depend on "getOrderStatusExtended version" specified in merchant settings.

Response parameters for versions 01, 02,03:
The following parameters are returned regardless `getOrderStatusExtended` version.

Name	Type	Mandatory	Description
orderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
orderStatus	N2	no	Order status in the payment gate. The value is selected from the variants listed below. Absent, if no matching order was found.
actionCode	N3	yes	Processing system authorization code.
actionCodeDescription	AN..512	yes	Action code description on the language passed in the parameter "Language".
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error in the language sent in the Language parameter of the request.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	no	Code of the payment currency, according to ISO 4217. If not specified, assumed to be 810 (Russian rubles).
date	ANS	yes	Date of order registration.
orderDescription	AN..512	no	Free-formed description of the order.
ip	N..	yes	IP address of the user who payed for the order.

Element *merchantOrderParams* is present in the reponse if the order contains merchant additional parameters. Each additional parameter is described in a separate block by the following fields:

name	Type	Mandatory	Description
name	AN..20	no	Name of additional parameter
value	AN..1024	no	Value of additional parameter

Element *cardAuthInfo* has structure which includes the list of element *secureAuthInfo* and the following fields:

pan	Type	Mandatory	Description
pan	N..19	no	Masked number of the card that was used in payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.

Element *secureAuthInfo* (includes *eci* parameter and element *threeDSInfo* with parameters *cavv* and *xid*):

eci	Type	Mandatory	Description
eci	N..4	no	Electronic Commerce Indicator. Set just after the payment order in the case of a permit.
cavv	ANS..200	no	Cardholder Authentication Verification Value. Set just after the payment order in the case of a permit
xid	ANS..80	no	Electronic Commerce Transaction Identifier. Set just after the payment order in the case of a permit.

Element *bindingInfo* consists of the following fields:

clientId	Type	Mandatory	Description
clientId	AN..255	no	Client number (ID) in the shop system, transferred during the order registration. Presents only if a shop is allowed to create links.
bindingId	AN..255	no	The identifier of a link created during order payment or used for payment. Presents only if a shop is allowed to create links.

Response parameters for versions 02, 03:

If *getOrderStatusExtended* version is 02 or higher, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
authDateTime	ANS	no	Authorisation date and time
authRefNum	AN..24	no	Reference number
terminalId	AN..10	no	Terminal Id

Response parameters for version 03:

If *getOrderStatusExtended* version is 03, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
Element <i>paymentAmountInfo</i> consists of the following fields:			
approvedAmount	N..20	no	Amount hold on the client's card (only for two-phase payments)
epositedAmount	N..20	no	Amount confirmed for deposit
refundedAmount	N..20	no	Refund amount
paymentState	N2	no	Payment state
Element <i>bankInfo</i> consists of the following fields:			
bankName	AN..200	no	Name of issuing bank
bankCountryCode	AN..4	no	Code of issuing bank country
bankCountryName	AN..160	no	Country of issuing bank in language specified in language parameter or in user language if language parameter is empty

The *orderStatus* field may have the following statuses:

State number	Description
0	Order registered, but not paid off
1	Pre-authorization amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Error codes (values of the *errorCode* field):

Value	Description
0	No system error
1	Expected [orderId] или [orderNumber]
2	The order is declined because of an error in the payment credentials
5	Access denied
5	The user must change his password
6	Order not found
7	System error

GET Request example:

```
https://twS.egopay.ru/ab/rest/getOrderStatusExtended.do?userName=userName
&password=password&orderId=285b2973-4d02-4980-a54e-57c4d0d2xxx9&language=ru
```

POST Request example:

```
orderId=285b2973-4d02-4980-a54e-57c4d0d2xxx9&language=ru
```

Response example:

```
{"attributes": [], "date": 1342007119386, "currency": "810", "amount": 100, "actionCode": 0, "orderNumber": "1212x31334z15", "orderDescription": "test", "orderStatus": 2, "ip": "217.12.97.50", "actionCodeDescription": "", "merchantOrderParams": [], "cardAuthInfo": {"expiration": "201512", "pan": "411111**1111", "approvalCode": "123456", "cardholderName": "dsdqdq", "secureAuthInfo": {"eci": 5, "threeDSInfo": {"cavv": "AAABCPpEAUBNCAHEgBQAAAAAAAAA=", "xid": "MDAwMDAwMDEzNDIwMDcxMTk3Njc="}}}}
```

5.1.7. 3DS enrolled verification request

To inquire about state of 3DS enrolled verification, use the `verifyEnrollment` request.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	User login (API)
password	AN..30	yes	User password (API)
pan	N12...19	yes	Card number.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error.
errorMessage	AN..512	no	Description of the ErrorCode error.
isEnrolled	A1	no	3ds enrolled attribute. Available values: Y, N, U.
emitterName	AN..160	no	Name of the issuer bank
emitterCountryCode	AN..4	no	Country code of the issuer bank

Possible codes for errors (the `errorCode` field):

Значение	Описание
0	No system error
1	PAN not specified
1	PAN must be a number from 13 to 19 digits
5	The user must change his password
5	Access denied
6	No info found for specified PAN.
7	System error.

GET request example:

```
https://tws.egopay.ru/ab/rest/verifyEnrollment.do?  
userName=api&password=***&pan=4111111111111111
```

POST request example:

```
pan=4111111111111111
```

Response example:

```
{ "errorCode": "0", "errorMessage": "", "emitterName": "TEST CARD",  
  "emitterCountryCode": "RU", "enrolled": "Y" }
```

5.1.8. Payment by binding request

`paymentOrderBinding` request is used for performing the payment by bindings (see "Address data for connections (bindings functionality)" section).

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Shop login obtained during connection
password	AN..30	yes	Shop password obtained during connection
mdOrder	ANS36	yes	Order number in payment system. Is unique within payment system.
bindingId	AN..255	yes	The identifier of a link created during order payment or used for payment. Presents only if a shop is allowed to create links.
language	A2	no	Language in ISO 639-1 code. If it is not specified then the language which is specified in shop settings will be used by default (default language)

ip	NS15	yes	Customer IP address
cvc	N..3	no	CVC code. This parameter is mandatory, if the merchant does not have a permission "Can pay without CVC".
email	ANS..*	no	Customer email address

Response parameters:

Name	Type	Mandatory	Description
redirect	ANS..*	in case of SSL payment	URL to which the user is redirected after the payment
info	ANS..*	yes	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> Your order is proceeded, redirecting... Operation declined. Please check the data and available balance of the card. Redirecting... Sorry, payment cannot be complete. Redirecting... Payment declined. Please, contact with merchant. Redirecting... Payment declined. Please, contact with merchant. Redirecting... Payment declined. Please, contact with your bank. Redirecting... Payment declined. Please, contact with your bank. Redirecting... Can't connect with your bank. Please, contact with your bank. Redirecting... Processing timeout. Please, try again later. Redirecting...
success	N1	yes	Code of the error
error	AN..*	in case of error	Description of the ErrorCode error
acsUrl	ANS..*	in case of 3DS payment	URL for redirection from ACS
paReq	ANS..*	in case of 3DS payment	Payment Authentication Request
termUrl	ANS..*	in case of 3DS payment	Payment Authentication Request

Possible codes for errors (the success field):

Value	Description
0	Success
1	It is necessary to specify CVC2/CVV2, since the merchant does not have a permission to provide payments without CVC.
1	Incorrect CVC format
1	Invalid language
2	No binding found
2	No order found
5	User must change his password
5	Access denied
7	System error

POST request example:

```
mdOrder=65401edc-3fa1-4112-87fd-a569ca69fb6a&bindingId=41954212-70a7-4eae-8430-90c1a87beda7
```

Response example:

```

{"info": "Your order is proceeded, redirecting...",
 "redirect": "finish.html?login=username&password=testPwd&orderId=65401edc-
3fa1-4112-87fd-a569ca69fb6a",
 "success": 0}

```

5.2. Two-phase payment requests

5.2.1. Order preauthorization request

To register an order in the payment gate use `register.do` request (see "Address data for connections" section).

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	yes	Code of the payment currency, according to ISO 4217.
returnUrl	AN..512	yes	Web address that the client should be redirected to after successful payment. Absolute link must be specified.
failUrl	AN..512	no	Web address that the client should be redirected if the payment failed. Absolute link must be specified.
description	AN..512	no	Free-formed description of the order.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings.
pageView	ANS..20	no	<p>This parameter indicates what type of payment interface pages should be uploaded for the payer. Possible values:</p> <ul style="list-style-type: none"> • DESKTOP – to upload pages designed for displaying on PC monitors (pages with names <code>payment_<locale>.html</code> and <code>errors_<locale>.html</code> from archive of payment interface pages); • MOBILE – to upload pages designed for displaying on mobile devices (pages with names <code>mobile_payment_<locale>.html</code> and <code>mobile_errors_<locale>.html</code> from archive of payment interface pages); • If the merchant has pages with names formed by adding of some prefix to the template part of the page name, then you can specify necessary prefix in the <code>pageView</code> parameter in order to redirect client to the corresponding page. For example, if <code>pageView=iphone</code> then pages with names <code>iphone_payment_<locale>.html</code> and <code>iphone_error_<locale>.html</code> will be used. <p>Where:</p> <p style="padding-left: 40px;"><code>locale</code> – the page language in 2-alpha code according to ISO 639-1, e.g. <code>ru</code> for Russian and <code>en</code> for English.</p> <p>Default value is <code>pageView=DESKTOP</code>.</p>
clientId	AN..255	no	Client number (ID) in the shop system. It is used for bundles functionality implementation. Presents only if a shop is allowed to create links.
merchantLogin	AN..255	no	To register the order from the name of the child merchant, specify its login in this parameter.

jsonParams	AN..1024	no	<p>Block for sending of merchant additional parameters. Fields of additional information for storage, should be sent as:</p> <pre>{ "<name1>": "<value1>", ... , "<nameN>": "<valueN>" },</pre> <p>These fields may be passed to the bank processing for their representation in registers.*</p> <p>This functionality can be switched on during the integration period at the agreement with bank.</p> <p>If notification of the client is switched on for the merchant, this block should contain parameter with name <code>email</code> which value is a client's email.</p>
sessionTimeoutSecs	N..9	no	<p>Duration of order life in seconds.</p> <p>If the parameter is not specified, then the value from merchant settings is used, otherwise - the default value (1200 seconds - 20 minutes).</p> <p>If the request contains <code>expirationDate</code> parameter, the parameter <code>sessionTimeoutSecs</code> is ignored.</p>
expirationDate	ANS	no	<p>Date and time of termination of order life. Format: <code>yyyy-MM-ddTHH:mm:ss</code>.</p> <p>If this parameter is not specified, the <code>sessionTimeoutSecs</code> parameter is used to determine date and time of termination of order life.</p>
bindingId	AN..255	no	<p>Identificator of the binding, that was created earlier. May be used only if the merchant has permission to work with bindings. If this parameter is sent in the request, that means:</p> <ol style="list-style-type: none"> 1. This order may be payed only by binding; 2. The payer will be redirected to a payment page, where entering of CVC only is required.

* By default the following fields are passed to the bank processing:

- `orderNumber` – order number in the merchant system;
- `description` – order description (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n).

If additional parameter with name `merchantOrderId` is sent with the order, then its value will be passed to the bank processing as order number (instead of value of `orderNumber` field).

Response parameters:

Name	Type	Mandatory	Description
orderId	ANS36	no	Order number in the payment gate. Unique within the gate. Absent if order registration failed (error is described in <code>errorCode</code>).
formUrl	AN..512	no	URL of the payment form that the client should be redirected to. Absent if order registration failed (error is described in <code>errorCode</code>).
errorCode	N3	no	Code of the error that occurs during registration.
errorMessage	AN..512	no	Description of the error in the language sent in the <code>language</code> parameter of the request.

Error codes (values of the `errorCode` field)

Errors classification:

Value	Description
0	No system error.
1	Order number is duplicated, order with given order number is processed already
3	Unknown currency
4	Mandatory request parameter was not specified
5	Erroneous value of a request parameter.
7	System error.

Possible error messages:

Value	Description
0	No system error
1	Order with this number was already processed.
1	Order with this number was registered, but was not paid off.
1	Invalid orderNumber
3	Unknown currency.
4	Order number is empty
4	Empty merchant user name
4	Empty amount
4	Return URL cannot be empty
4	Password cannot be empty
5	Invalid value of one of the parameters
5	Access denied
5	The user must change his password
5	Invalid [jsonParams]
7	System error

GET Request example:

```
https://tws.egopay.ru/ab/rest/register.do?amount=100&currency=810&language=ru&orderNumber=87654321&password=password&returnUrl=https://web.rbsuat.com/ab/finish.html&userName=userName&jsonParams={"orderNumber":1234567890}&pageView=MOBIL&expirationDate=2014-09-08T14:14:14&merchantLogin=merch_child
```

POST Request example:

```
amount=100&currency=810&language=ru&orderNumber=87654321&returnUrl=https://tws.egopay.ru/ab/finish.html&jsonParams={"orderNumber":1234567890}&pageView=MOBIL&expirationDate=2014-09-08T14:14:14&merchantLogin=merch_child
```

Response example:

```
{"orderId": "70906e55-7114-41d6-8332-4609dc6590f4", "formUrl": "https://web.rbsuat.com/ab/merchants/test/mobile_payment_ru.html?mdOrder=70906e55-7114-41d6-8332-4609dc6590f4" }
```

5.2.2. Order payment request

Validation of card data is performed in accordance with the table:

Name	Description	Validation
PAN	Full card number	Luna validation (checking if the card number is real), the number of digits in the card number - from 13 to 20
CVC	CVC code	3 digits
YYYY, MM	Year, month of card expiry	The date in present or future. If the card expiry is a current month, the payment is possible until the end of the month
TEXT	Cardholder name	Is not verified

5.2.2.1. Internal MPI .

Use `paymentorder.do` method for payment request.

Only POST request is supported.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant login received after merchant registration
password	AN..30	yes	Merchant password received after merchant registration
MDORDER	ANS36	yes	Order number received after order registration
\$PAN	N..20	yes	Card number
\$CVC	N..3	yes	CVC
YYYY	N..4	yes	Expiry year
MM	N..2	yes	Expiry month
TEXT	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP address of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
bindingNotNeeded	boolean	no	Possible values: <ul style="list-style-type: none">• <code>true</code> – turns off the creation of binding after successful payment (client identifier, sent with order registration request, will be deleted from order details after the payment);• <code>false</code> – successful payment may result binding creation (under the appropriate conditions). This value is a default value.
jsonParams	AN..1024	no	Fields of additional information for storage, the type is <code>{"param": "value", "param2": "value2"}</code> . These fields may be transferred to the bank processing for their representation in registers. Fields <code>orderNumber</code> and its <code>description</code> are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n). This functionality can be switched on during the integration period at the agreement with bank.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	yes	Code of the error that occurred in the process of the refund.
error	AN..512	no	Description of the error in the language specified in the Language field of the request.

info	AN..512	no	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
redirect	AN..512	no	Address for return after the payment
termUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
acsUrl	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.
paReq	AN..512	no	Is not used in payments, that does not require additional authentication on Issuing bank ACS.

Possible codes for errors (the **errorCode** field):

Name	Type
0	No system error
5	There are no payment attempts any more
5	System or intenal error

Request example:

```
MDORDER=0d4b02cb-5147-4232-9012-4d38c743ahr6&
$PAN=5555555555555599&$CVC=123&YYYY=2015&MM=12&TEXT=Card Holder&language=ru
```

Response example in case of payment, that does not require additional authentication on Issuing bank ACS:

```
{ "redirect" : "www.ya.ru?MDORDER=8cfb5c89-c2db-49e4-80c5-a0569c897cbf&ANSWER
=%3C%3Fxml+version%3D%221.0%22+encoding%3D%22UTF-8%22%3F%3E%0A%3CPSApiResu
lt+primaryRC%3D%220%22+secondaryRC%3D%220%22%2F%3E&STATE=payment_deposited
&ACTION_CODE=0&AUTH_CODE=2", "info": "Your order is proceeded,
redirecting...", "errorCode": 0 }
```

Response example in case of 3DS-payment, that requires additional authentication on Issuing bank ACS:

```

{"info": "Your order is proceeded, redirecting...",
"acsUrl": "https://tws.egopay.ru/acs/auth/start.do",
"paReq": "eJxVUdFygjAQ/BWG9xKioNQ54tCirQ+oo/QDKNwAVYIGENuvbyJQ60Nmdum80ez
K/FUbugqPKS\nuzo1TF1DHpdJz1NX/wiXT44+ZxBmAtHfY9wIZBBgVUUpanni6kWVG1RnsPV2e
GbQKzEpZlYADFre\nEXEW8ZpBFJ9fVmtmjaYT0wTSUyhQrHw2BdIB4FGBbI8X5Is8zep1zhHlr
Qhx2fBafLOJNQYyEGjE\nkWW1fZoR0ratkZZlekRDNEBUB8jdwbZRqJJK1zxhge+13Vn8bMLD9
yZM7eDLs4Lw4AJRE5BENbKR\nSS3TNm2NOjPTmVnS+60OUaEsMGrKrvpQR+GkXvEee/9rILMUM
urhHwMDvJ5KjnJC5veHgdxdv76r\nFONaxuSveRIvnyfeWxjsNk4QHxJaFZ/V+NIuVba3IaWYy
4ioTTtJRYAoGdKvjfQrlehh1b8el7SS\n",
"termUrl": "https://tws.egopay.ru/:443/ab/rest/finish3ds.do",
"errorCode": 0}

```

If 3-D Secure technology is required to perform payment, then after the response to the payment request has been received the merchant must redirect the client to ACS:

In order to redirect client to ACS, the merchant must perform redirection to the address specified in the `acsUrl` parameter with the body of the request:

```
MD=mdorder&PaReq=pareq&TermUrl=termUrl,
```

Where:

- `mdorder` - unique order number in the payment gate system,
- `pareq` - a parameter from the response to the payment request,
- `termUrl` - a parameter from the response to the payment request.

Depending on integration scheme the client after authentication on ACS will be redirected to merchant or to the payment gate. Processes of payment completion for each of these cases are represented below.

5.2.2.1.1. Return to payment gate from ACS

Issuing bank ACS executes authentication of the cardholder and redirects him to the payment gate sending `paRes`. If the client was authorized on ACS successfully the payment gate authorizes the order. Otherwise the order preauthorization is declined.

5.2.2.1.2. Return to merchant from ACS. The scheme with use of additional method Finish 3DS

In this scheme issuing bank ACS executes authentication of the cardholder and redirects him to the merchant. `paRes` from ACS is sent to the merchant. Then the merchant transfers it to the payment gate by the `finish3DSPayment.do` method.

Description of `finish3DSPayment.do` is represented below:

Request parameters:

Name	Type	Mandatory	Description
mdOrder	AN..30	yes	Order number received after order registration
paRes		yes	Payer Authentication Response

Response parameters:

Name	Type	Mandatory	Description
------	------	-----------	-------------

redirect	AN..512	no	URL of the payment form, where the client's browser to be redirected.
errorCode	N3	no	Code of the error that occurred in the process of the refund.
error	AN..512	no	Description of the error in the language specified in the Language field of the request.

If errorCode = 0 - the payment was executed successfully. For other cases see error description.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error.
5	Access denied
5	The user must change his password
7	The order was not found
7	System error

Request example:

https://tws.egopay.ru/ab/rest/finish3dsPayment.do?mdOrder=906bf262-bd53-4ac7-983c-07127954681b&paRes=eJzFV2uTokoS%2FSsTcz8aPYCC6A3HiOKNCshT8BtCyRuUN%2Fz6RXu6p%2B9s78sbtXyIgyLE5VJnso8%0D%0AlVUbIywhZHToNSXcbiRYVW4Av0T%2B969ZFXzDvm43R6DB6on4qwW%2Bdq%2FwhVi58AVfXvAXlySWL951%0D%0AQULU8yD0HwYtLKuoyLfYN%2FTbfIO8vU70Sy9083q7cb07JcPbfE4uUXSD%2FHjdZLAUmS25QV4HG%2BSn%0D%0AxbF5jKopxD7ytxIDutcfOypGMigGi8mj2Mlj8n2DPGZsfLeG2zmK4SiBE1%2Bw5Z%2Fo8k9siuaJb24P%0D%0AdyArmsn3nEDRRxQfsc20HCXMvWG7xBcb5P1tA%2FtbkcOH1QZ5H2%2BQn%2BHd3HyLfniw6Zl8T%2BjGsLeb%0D%0Aoso%2BDeuJb6rarZtq62yQH6ON57btFgBAUQt%2FLELlvNechTSAAt2ei%2B5yygV60RYkPqOn%2FaQXSoCij%0D%0Aosweof4V2CCPUJBnYrcbPQry6WML%2FNJnaV59%2FxrW9e1PBOm67lu3%2BFaUATKfciCDoGpkm%2BFUU%2FFPH1%0D%0A1Qr6Yn4t%2FiMz2s2LPLlcNbrdeqoKcdZh4X95j%2B0zn4b28IQhgku%2FTK5ePAzPXx4IuscIySfyudMP%0D%0AzH7nK78GW1buSxW6j4JGfnG03WjwCh8VAb%2BYmvj96x%2B%2FqQwmCmBV%2FzfRvEXy0cObP8tNG7hlvTHg%0D%0AZld%2BdR0XC5bRZ0wYBGuMX0TS9ze715kb5D38H9xeE%2FlhwV4nhqxy1zVg8vNYF6J7bIQ75sC3lBX1%0D%0AvfnyZIdDwMh25uRqdQpmB%2FFgIVlIKGMHfIHB%2FQYfHIkQuagyA0JJJOEij%2FEj267KDx4zB6cpEayhj%0D%0A6JGjXBat9Pu5lhZ3S7Rqla3A4Pn%2BpAp1zUteVK%2FNnftfICCarw7pnsiLt3N6B2MtOSdkF%2BC7x%2BS%0D%0A9IP1Hg6vrGwCXTNu7b6OafJw0XWqlmkfkesRLgyaBsE9AJ1IguDcgWPO6SN0oll6kQDK0%2Fqd18XL%0D%0Ag1FZilJN1LGgp0ewowLzooBjgNQyJA10TOawlqru2c5nHHSXnnlulNSuo1%2FxA9vJqm6pPwUA46ut%0D%0AZNACdfNpbljM16hE4TzjsKjESJ0cAlQazV7iigkTn5g0vmOdyrAHCSQ8wEYWCiXasqSeZYDy6rcw%0D%0AKFQOvYxLHFvqGQbsX%2FHKABilSxhWk8DqaQt6SfT4FD3Yu%2FayULvgvOoYldnti7MYtp4MnpzBRA0F%0D%0AksjvQMFTYM%2BTfuSWjBpgpBlN7c6tBE6PT%2BHRv6yR9c0%2Btyewb7xld7%2FHzCJvzWU3a3a1I3J3Gw9t%0D%0AehYnJExwiyPjNmG4hYai11xI151iNddRTTLAztLT7djIkvrosh6ELbamzLp6yajDc4y2knxEW7BIj%0D%0AKC3tcj%2BniilmME3l9oRdqx0hRLplFVZwSEEGUQDwceCKT26COuVCQxWkclhOThaLcK1iFH%2BNCrLp%0D%0A9zKcp46Pcc1OEsBjfxYx024SD8G%2FmluYeqLGUzbVqqPVZ655tttZ5siqEsCf60yHkqDOucE5aaE3%0D%0AspI0LeQT7yXGZFNT0ti06Z62DNuFnWurtZetW1%2F8tr67Z1xsp3ISmLhd%2Fylf3Gu%2BWCDc87m2lXtK%0D%0A7VHcnQdRxicF4h7mzknSghDFB2M%2FiztSSXaIefIBFpArc5cQSGns1nOCXEcFUVbZQbCtWXPylqdy%0D%0AKXIKDq59pLYz%2FoQcJXV1a%2FB1sYLtejBaxy2q1X3ER99UcK2yqW5dOlqjH3GLndfKfn8sMmV3cC86%0D%0AMVVfShdNQpI40hvsJN5flfmpVPPxIdXop1SnKucREQpdvf5%2FS1VmnFHG%2FirVH1h3jP8nqr4fvH5I%0D%0AlX9K9SSHkxSvv%2FIFE9%2Bp2mTA0FskTm5UR191ScOZHJ64buTqh51GLC03GbFm6jwOd0fYwt6NB71D%0D%0AQe2eVhgUGjoc4Iq0A4Y%2F2g1g6eKy17BbQcZZlpIy1t2LtpcPdQ0KYi%2BWpzVU5OUMmS10vBatZ1%2Ffe%0D%0AZ0vrYAy9TtQZKUzYwhICxW2c%2Bx10Pt3r3F1suLhq4rCa2XbfdlRTEFUnMkAFVIHz0ZMb9eTsm4F6%0D%0AoihdhwoCbq2PiM6xCEEgYKLP6vIN2TNU91gvQZdY16DygdLO8hq%2FmrKq5fhdISs9tuvbSfAlMnI5%0D%0A9saKf9PWqd00yhC9WS0ysb2dxkmbj7g0iaUMMHETkM%2Fqc8oXBejaptC2TtGzapqtWkffKrjTXRyH%0D%0AHX04uXNLq1K3qfZ8vcJP6TGyUUOYU%2Fc%2BQ8bsOfCxDf2iRcyFd8HXHZ3URlyGLgeEWcBTpDdgeWu%0D%0AgDGxynk0LJe0plz6kp51QNK0jJgeBGVGYOoQ32RuLdCzZL689KZ70ldz64TMb95xSwalkgx25Ki%2F%0D%0AJ1Nq9uiop%2F2bTElpPbWojqHtBp%2F5eXPwhjM77Bt8tQo%2B273%2BHsm8S1btJ8nisiGF6%2BdlldWewXrBNj%0D%0Aduob%2BjsP28rS0dEpwxd24SXzU5G1pjaUD1Cn1LLPt%2FV7XF2%2BVNG7tm%2FpS2UkeKdTUD4J3HrG32v7%0D%0AeIgx2tnPdT%2FLmVpC1%2BMSdk17UOvMUwaubWoMoeZJo2p8CfXrCuHJS3XjclU9hXTToTYe9DCACqpl%0D%0APnKUgIpMkT7g0SGIjYt%2F5cANMjixFDDDiOvcSpXvsrQKkpArgPX22WlQESbKfQTUVTbat675WPOf%0D%0AHYelkE61JQD%2BZceRZX%2BJHI2BnN0Dwd%2Bdg%2BqCCnmEEGrEqUrSoNjHqEAXWshEyYmhuoQYyYGGuOL%0D%0AuhK6Mm4oOrGcS6OD7KU0ETskYXSWu5SB2xP3qh1UJmKsBncxEd602JvfrYrq2LkLrd0Mk8hjnB%2FG%0D%0A7naxy1HVT7rQOJ15iTUuXhZuMtic3BxPzTK7rDX0s46D%2FDwnIu9nx5%2Bnyud19Hk7ftyfPt6a%2FwFG%0D%0ADPms%0D%0A&userName=login&password=password

Response example:

```

{"redirect": "http://ya.ru?orderId=906bf262-bd53-4ac7-983c-07127954681b", "errorCode": 0}

```

5.2.2.2. External MPI .

Use `paymentorder.do` method for payment request.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant login received after merchant registration
password	AN..30	yes	Merchant password received after merchant registration
MDORDER	ANS36	yes	Order number received after order registration
\$PAN	N..20	yes	Card number
\$CVC	N..3	yes	CVC
YYYY	N..4	yes	Expiry year
MM	N..2	yes	Expiry month
TEXT	A..512	yes	Cardholder name
language	A..2	yes	Response language
ip	AN..19	no	IP adress of the payer
email	ANS..*	no	Email address of the payer. If the merchant intends to send notifications about operations with the order to the payer, this parameter should be specified.
bindingNotNeeded	boolean	no	Possible values: <ul style="list-style-type: none"> <code>true</code> – turns off the creation of binding after successful payment (client identifier, sent with order registration request, will be deleted from order details after the payment); <code>false</code> – successful payment may result binding creation (under the appropriate conditions). This value is a default value.
jsonParams	AN..1024	no	Fields of additional information for storage, the type is <code>{"param": "value", "param2": "value2"}</code> . These fields may be transferred to the bank processing for their representation in registers. * This functionality can be switched on during the integration period at the agreement with bank. In case of external MPI using, IPS expects that <u>each</u> payment request contains "eci" parameter. If this parameter value differs from the values used for SSL-authorizations, it is <u>necessary</u> to send "xid" and "cavv" parameters.

* Fields `orderNumber` and its `description` are sent to the bank processing by default (not more than 99 symbols, the following symbols are forbidden to use - %, +, \r, \n)

Response parameters:

Name	Type	Mandatory	Description
errorCode	N..1	да	Code of the error that occurred during registration of the order.
error	AN..512	нет	Description of the error in the language specified in the Language parameter of the request.

info	AN..512	het	<p>The result of the payment attempt. Possible values are represented below:</p> <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
------	---------	-----	---

If errorCode = 0 and info = "Your order is proceeded, redirecting" - the payment was executed successfully. For other cases see error description.

Possible codes for errors (the `errorCode` field):

Value	Description
0	No system error
5	There are no payment attempts any more
5	System or internal error

Request example:

```
MDORDER=0d4b02cb-5147-4232-9012-4d38c743ahr6&$PAN=5555555555555599&$CVC=123&YYYY=2015&MM=12&TEXT=Card
Holder&language=ru&jsonParams{"eci":"05","xid":"MDAwMDAwMDEzMzkyMjg5ODExNTc=","cavv":"AAABCpEChRM5IomAKFAAAAAAAAAA="}
```

Response example:

```
{"info":"Your order is proceeded, redirecting...","redirect":"finish.html?orderId=00d4b02cb-5147-4232-9012-4d38c743ahr6","success":0}
```

5.2.3. Order completion request

Use `deposit.do` request to complete preauthorized payment.

This operation can be performed if there is a corresponding permission in the system.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.

amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
--------	-------	-----	--

Attention!!! If you specify zero in amount parameter, completion occurs for the entire pre-authorized amount.

Response parameters

Name	Type	Mandatory	Description
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error.

Error codes (values of the errorCode field)

Error classification:

Value	Description
0	No system error.
5	Erroneous value of a request parameter.
6	Unregistered OrderId.
7	System error.

Possible error messages:

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	Invalid amount
5	Deposit amount must be zero, or more than 1 currency unit (e.g. 1 euro).
6	Wrong order number.
7	Payment must be in a correct state.
7	System error.

GET Request example:

```
https://tws.egopay.ru/ab/rest/deposit.do?
amount=100&currency=810&language=ru&orderId=e5b59d3d-746b-4828-9da4-06f126
e01b68
&password=testPwd&userName=testtest
```

POST Request example:

```
amount=100&currency=810&language=ru&orderId=e5b59d3d-746b-4828-9da4-06f126e01b68
```

Response example:

```
{"errorCode":0}
```

5.2.4. Order reversal request

To cancel payment of the order, use `reverse.do` request. This function is available for a limited period, that is specified by the Bank.

The reversal operation may be performed only once. If the reversal request caused an error, the next try will not be successful.

The reversal operation is available for merchants only under agreement with the Bank. To perform the reversal request a user must have an appropriate permission.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error.

Error codes (values of the `errorCode` field):

Error classification:

Value	Description
0	No system error.
5	Erroneous value of a request parameter.
6	Unregistered OrderId.

7	System error.
---	---------------

Possible error messages:

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Payment must be in a correct state.
7	Reversal is impossible. Reason: wrong internal values, check hold and deposited amounts.
7	System error.

GET Request example:

```
https://tws.egopay.ru/ab/rest/reverse.do?language=en&orderId=80c45f2e-8db4-4d20-9324-5b784a1fd8c3&password=password&userName=userName
```

POST Request example:

```
language=en&orderId=80c45f2e-8db4-4d20-9324-5b784a1fd8c3
```

Response example:

```
{"errorCode": "0", "errorMessage": "Success" }
```

5.2.5. Refund request.

Use `refund.do` request to refund deposited money.

This request returns money paid for the order back to the client. Request causes an error if the client is not charged. The payment gate allows multiple refunds, but their total amount cannot exceed the amount that was deposited from the client's account as a result of the order.

A user must have a corresponding permission in the system to perform this operation.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.

password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error.

Error codes (values of the `errorCode` field)

Classification:

Value	Description
0	No system error.
5	Erroneous value of a request parameter.
6	Unregistered OrderId.
7	System error.

Possible error messages:

Value	Description
0	No system error
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	No such order
7	Payment must be in a correct state.
7	Wrong deposit amount (less than 1 currency unit, e.g. 1 euro).
7	System error.

GET Request example:

```
https://tw.s.egopay.ru/ab/rest/refund.do?amount=500&currency=810&language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208&password=password&userName=userName
```

POST Request example:


```
amount=500&currency=810&language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208
```

Response example:

```
{"errorCode":0}
```

5.2.6. Order state request

To get the current state of a registered order send data with `getOrderStatus.do` method (GET or POST) to the corresponding URL (see "Address data for connections" section).

The order status should be determined by the value of `OrderStatus` parameter.
`authCode` field is deprecated.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes	Order number in the payment gate. Unique within the gate.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

Response parameters:

Name	Type	Mandatory	Description
OrderStatus	N2	no	This parameter shows order status in the payment gate. Possible values are listed in the table below. Parameter is absent if no order with the specified ID was found.
ErrorCode	N3	no	Error code.
ErrorMessage	AN..512	no	Description of the error in the language sent in the Language parameter of the request.
OrderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
Pan	N..19	no	Masked number of the card that was used in payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
Amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	no	Code of the payment currency, according to ISO 4217.
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.
authCode	N3	no	This parameter is deprecated. Its value is always "2", regardless of the order status and processing system authorization code.
Ip	AN..20	no	IP address of the user who paid for the order.
bindingInfo (element consists of clientId and bindingId):			

clientId	AN..255	no	Number of the client (identifier) in the merchant's system. Used to implement a functional of ligament. May be present, if the merchant is allowed to create the ligament.
bindingId	AN..255	no	Identificator of the ligament created while paying an order or used to pay for. Present only if creation of ligaments is allowed for merchant.

The **orderStatus** field may have the following values:

State number	Description
0	Order registered, but not paid off.
1	Pre-authorization amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded.
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Error codes (values of the **errorCode** field):

Value	Description
0	No system error
2	The order is declined because of an error in the payment credentials.
5	Access denied
5	The user must change his password
5	[orderId] is empty
6	Unknown order id
7	System error

GET request example:

```
https://tw.s.egopay.ru/ab/rest/getOrderStatus.do?
language=ru&orderId=5e97e3fd-1d20-4b4b-a542-f5995f5e8208&password=password
&userName=userName
```

POST request example:

```
orderId=b8d70aa7-bfb3-4f94-b7bb-aec7273e1fce&language=en
```

Response example:

```
{ "expiration": "201512", "cardholderName": "tr
tr", "depositAmount": 789789, "currency": "810", "approvalCode": "123456", "authC
ode": 2, "clientId": "666", "bindingId": "07a90a5d-cc60-4d1b-a9e6-ffd15974a74f"
, "ErrorCode": "0", "ErrorMessage": "Success", "OrderStatus": 2, "OrderNumber": "2
3asdafaf", "Pan": "411111**1111", "Amount": 789789 }
```

5.2.7. Extended order state request

To inquire about state of a registered order, use the `getOrderStatusExtended.do` request.

Request parameters

Name	Type	Mandatory	Description
userName	AN..30	yes	Merchant's login received during registration.
password	AN..30	yes	Merchant's password received during registration.
orderId	ANS36	yes*	Order number in the payment gate. Unique within the gate.
orderNumber	AN..32	yes*	Number (identifier) of the order in the merchant's system.
language	A2	no	Language according to ISO 639-1. If not specified, the system uses the default language from the merchant's settings. Error messages returned will be written in this very language.

* It is necessary to specify whether `orderId` or `orderNumber` in the request. If the request contains both parameters, `orderId` is a priority.

There are 3 sets of response parameters. These sets depend on "getOrderStatusExtended version" specified in merchant settings.

Response parameters for versions 01, 02,03:

The following parameters are returned regardless `getOrderStatusExtended` version.

Name	Type	Mandatory	Description
orderNumber	AN..32	yes	Number (identifier) of the order in the merchant's system.
orderStatus	N2	no	Order status in the payment gate. The value is selected from the variants listed below. Absent, if no matching order was found.
actionCode	N3	yes	Processing system authorization code.
actionCodeDescription	AN..512	yes	Action code description on the language passed in the parameter "Language".
errorCode	N3	no	Error code.
errorMessage	AN..512	no	Description of the error in the language sent in the Language parameter of the request.
amount	N..20	yes	Order amount in minimal currency units (e.g. cents).
currency	N3	no	Code of the payment currency, according to ISO 4217. If not specified, assumed to be 810 (Russian rubles).
date	ANS	yes	Date of order registration.
orderDescription	AN..512	no	Free-formed description of the order.
ip	N..	yes	IP address of the user who payed for the order.

Element `merchantOrderParams` is present in the reponse if the order contains merchant additional parameters. Each additional parameter is described in a separate block by the following fields:

name	Type	Mandatory	Description
name	AN..20	no	Name of additional parameter

value	AN..1024	no	Value of additional parameter
Element <i>cardAuthInfo</i> has structure which includes the list of element <i>secureAuthInfo</i> and the following fields:			
pan	N..19	no	Masked number of the card that was used in payment. Specified only for paid orders.
expiration	N6	no	Card expiration date in the YYYYMM format. Specified only for paid orders.
cardholderName	A..64	no	Cardholder name. Specified only for paid orders.
approvalCode	AN6	no	IPS authorization code. The field has fixed length of six characters, it can contain both numbers and letters.
Element <i>secureAuthInfo</i> (includes <i>eci</i> parameter and element <i>threeDSInfo</i> with parameters <i>cavv</i> and <i>xid</i>):			
eci	N..4	no	Electronic Commerce Indicator. Set just after the payment order in the case of a permit.
cavv	ANS..200	no	Cardholder Authentication Verification Value. Set just after the payment order in the case of a permit
xid	ANS..80	no	Electronic Commerce Transaction Identifier. Set just after the payment order in the case of a permit.
Element <i>bindingInfo</i> consists of the following fields:			
clientId	AN..255	no	Client number (ID) in the shop system, transferred during the order registration. Presents only if a shop is allowed to create links.
bindingId	AN..255	no	The identifier of a link created during order payment or used for payment. Presents only if a shop is allowed to create links.

Response parameters for versions 02, 03:

If *getOrderStatusExtended* version is 02 or higher, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
authDateTime	ANS	no	Authorisation date and time
authRefNum	AN..24	no	Reference number
terminalId	AN..10	no	Terminal Id

Response parameters for version 03:

If *getOrderStatusExtended* version is 03, the following parameters are also returned along with parameters described above.

Name	Type	Mandatory	Description
Element <i>paymentAmountInfo</i> consists of the following fields:			
approvedAmount	N..20	no	Amount hold on the client's card (only for two-phase payments)
epositedAmount	N..20	no	Amount confirmed for deposit
refundedAmount	N..20	no	Refund amount
paymentState	N2	no	Payment state
Element <i>bankInfo</i> consists of the following fields:			
bankName	AN..200	no	Name of issuing bank
bankCountryCode	AN..4	no	Code of issuing bank country
bankCountryName	AN..160	no	Country of issuing bank in language specified in language parameter or in user language if language parameter is empty

The `orderStatus` field may have the following statuses:

State number	Description
0	Order registered, but not paid off
1	Pre-authorisation amount was held (for two-phase payment)
2	The amount was deposited successfully
3	Authorization reversed
4	Transaction was refunded
5	Authorization through the issuer's ACS initiated
6	Authorization declined

Error codes (values of the `errorCode` field):

Value	Description
0	No system error
1	Expected [orderId] или [orderNumber]
2	The order is declined because of an error in the payment credentials
5	Access denied
5	The user must change his password
6	Order not found
7	System error

GET Request example:

```
https://tws.egopay.ru/ab/rest/getOrderStatusExtended.do?userName=userName  
&password=password&orderId=285b2973-4d02-4980-a54e-57c4d0d2xxx9&language=ru
```

POST Request example:

```
orderId=285b2973-4d02-4980-a54e-57c4d0d2xxx9&language=ru
```

Response example:

```

{"attributes":[],"date":1342007119386,"currency":"810","amount":100,"actionCode":0,"orderNumber":"1212x31334z15","orderDescription":"test","orderStatus":2,"ip":"217.12.97.50","actionCodeDescription":"","merchantOrderParams":[],"cardAuthInfo":{"expiration":"201512","pan":"411111**1111","approvalCode":"123456","cardholderName":"dsdqdq","secureAuthInfo":{"eci":5,"threeDSInfo":{"cavv":"AAABCpEAUBNCAHEgBQAAAAAAAAA=","xid":"MDAwMDAwMDEzNDIwMDcxMTk3Njc="}}}}

```

5.2.8. 3DS enrolled verification request

To inquire about state of 3DS enrolled verification, use the `verifyEnrollment` request.

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	User login (API)
password	AN..30	yes	User password (API)
pan	N12...19	yes	Card number.

Response parameters:

Name	Type	Mandatory	Description
errorCode	N3	no	Code of the error.
errorMessage	AN..512	no	Description of the ErrorCode error.
isEnrolled	A1	no	3ds enrolled attribute. Available values: Y, N, U.
emitterName	AN..160	no	Name of the issuer bank
emitterCountryCode	AN..4	no	Country code of the issuer bank

Possible codes for errors (the `errorCode` field):

Значение	Описание
0	No system error
1	PAN not specified
1	PAN must be a number from 13 to 19 digits
5	The user must change his password
5	Access denied
6	No info found for specified PAN.
7	System error.

GET request example:

```
https://tws.egopay.ru/ab/rest/verifyEnrollment.do?
userName=api&password=***&pan=4111111111111111
```

POST request example:

```
pan=4111111111111111
```

Response example:

```
{ "errorCode": "0", "errorMessage": "", "emitterName": "TEST CARD",
  "emitterCountryCode": "RU", "enrolled": "Y" }
```

5.2.9. Payment by binding request

paymentOrderBinding request is used for performing the payment by bindings (see "Address data for connections (bindings functionality)" section).

Request parameters:

Name	Type	Mandatory	Description
userName	AN..30	yes	Shop login obtained during connection
password	AN..30	yes	Shop password obtained during connection
mdOrder	ANS36	yes	Order number in payment system. Is unique within payment system.
bindingId	AN..255	yes	The identifier of a link created during order payment or used for payment. Presents only if a shop is allowed to create links.
language	A2	no	Language in ISO 639-1 code. If it is not specified then the language which is specified in shop settings will be used by default (default language)
ip	NS15	yes	Customer IP address
cvc	N..3	no	CVC code. This parameter is mandatory, if the merchant does not have a permission "Can pay without CVC".
email	ANS..*	no	Customer email address

Response parameters:

Name	Type	Mandatory	Description
------	------	-----------	-------------

redirect	ANS..*	in case of SSL payment	URL to which the user is redirected after the payment
info	ANS..*	yes	The result of the payment attempt. Possible values are represented below: <ul style="list-style-type: none"> • Your order is proceeded, redirecting... • Operation declined. Please check the data and available balance of the card. Redirecting... • Sorry, payment cannot be complete. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with merchant. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Payment declined. Please, contact with your bank. Redirecting... • Can't connect with your bank. Please, contact with your bank. Redirecting... • Processing timeout. Please, try again later. Redirecting...
success	N1	yes	Code of the error
error	AN..*	in case of error	Description of the ErrorCode error
acsUrl	ANS..*	in case of 3DS payment	URL for redirection from ACS
paReq	ANS..*	in case of 3DS payment	Payment Authentication Request
termUrl	ANS..*	in case of 3DS payment	Payment Authentication Request

Possible codes for errors (the `success` field):

Value	Description
0	Success
1	It is necessary to specify CVC2/CVV2, since the merchant does not have a permission to provide payments without CVC.
1	Incorrect CVC format
1	Invalid language
2	No binding found
2	No order found
5	User must change his password
5	Access denied
7	System error

POST request example:

```
mdOrder=65401edc-3fa1-4112-87fd-a569ca69fb6a&bindingId=41954212-70a7-4eae-8430-90c1a87beda7
```

Response example:

```
{"info": "Your order is proceeded, redirecting...",
  "redirect": "finish.html?login=username&password=testPwd&orderId=65401edc-3fa1-4112-87fd-a569ca69fb6a",
  "success": 0}
```


6. Test cards

В качестве Cardholder name (Имя владельца карты) указывайте от 2 слов в английской раскладке. / Use two or more words in Roman letters as the name of the cardholder.

Для всех карт, вовлечённых в 3-D Secure (veres=y, pares=y или a) пароль на ACS: 12345678. / For cards involved into 3-D Secure (veres=y, pares=y or a) ACS password is 12345678.

Тестовая среда не предназначена для нагрузочного тестирования - в случае необходимости проведения такого тестирования ТСП должно обратиться в Банк.

Тестовые карты / Test cards:

pan: 4111 1111 1111 1111
exp date: 2019/12
cvv2: 123
3dsecure: veres=y, pares=y

pan: 5100 0000 0000 0008
exp date: 2017/12
cvv2: 123
3dsecure: veres=y, pares=y

pan: 6011 0000 0000 0004
exp date: 2019/12
cvv2: 123
3dsecure: veres=y, pares=y

pan: 6390 0200 0000 000003
exp date: 2019/12
cvv2: 123(необязательный параметр)
3dsecure: veres=y, pares=a

pan: 5555 5555 5555 5599
exp date: 2019/12
cvv2: 123
3dsecure: veres=n

pan: 4444 0000 0000 1111
exp date: 2019/12
cvv2: 123
3dsecure: veres=n

pan: 2200 0000 0000 0004
exp date: 2019/12
cvc: 123
3dsecure: veres=n

pan: 2200 0000 0000 0012
exp date: 2019/12
cvc: 123
3dsecure: veres=y pares=n

pan: 2200 0000 0000 0020
exp date: 2019/12
cvc: 123
3dsecure: veres=u

pan: 2200 0000 0000 0038
exp date: 2019/12
cvc: 123
3dsecure: veres=y pares=u

pan: 2200 0000 0000 0046
exp date: 2019/12
cvc: 123
3dsecure: veres=y pares=a

pan: 2200 0000 0000 0053
exp date: 2019/12
cvc: 123
3dsecure: veres=y pares=y

Карта МИР

pan: 2200 0000 0000 0053
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=Y, PaRes=Y

Карта МИР

pan: 2200 0000 0000 0046
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=Y, PaRes=A

Карта МИР

pan: 2200 0000 0000 0012
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=Y, PaRes=N

Карта МИР

pan: 2200 0000 0000 0038
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=Y, PaRes=U

Карта МИР

pan: 2200 0000 0000 0020
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=U

Карта МИР

pan: 2200 0000 0000 0004
exp date: 2019/12
cvv2: 123
3dsecure: VeRes=N

Карты, возвращающие ошибки /
Cards returning errors:

pan: 5555 5555 5555 5557
exp date: 2019/12
cvv2: 123
3dsecure: veres=y, pares=u

pan: 4444 3333 2222 1111
exp date: 2019/12
cvv2: 123
3dsecure: veres=y, pares=u

Declined. PaRes status is U (-2011)

pan: 4000 0000 0000 0002
exp date: 2019/12
cvv2: 123
3dsecure: veres=u

pan: 5555 5555 4444 4442
exp date: 2019/12
cvv2: 123
3dsecure: veres=u

Declined. VeRes status is U (-2016)

pan: 4444 4444 4444 4422
exp date: 2019/12
cvv2: 123

Invalid message format (913)

pan: 4444 4444 4444 4455
exp date: 2019/12
cvv2: 123

Card limitations exceeded (902)

pan: 4444 4444 4444 3333
exp date: 2019/12
cvv2: 123

Limit exceeded (123)

pan: 4444 4444 4444 6666
exp date: 2019/12
cvv2: 123

BLOCKED_BY_LIMIT (-20010)

pan: 4444 4444 1111 1111
exp date: 2019/12
cvv2: 123

Network refused transaction (5)

pan: 4444 4444 9999 9999
exp date: 2019/12
cvv2: 123

TDSEC_COMM_ERROR (151017)

pan: 5432 5432 5432 5430
exp date: 2018/08
cvv2: 521

INSUFFICIENT_FUNDS (116)

7. Address data for connections

Employees of a merchant can access the console or make API requests using logins and passwords of a user associated with the merchant.

Description of the test service (WSDL) can be found at the address <https://tws.egopay.ru/ab/webservices/merchant-ws?wsdl> .

URLs for access to REST methods:

Method name	URL
Order registration	https://tws.egopay.ru/ab/rest/register.do
Preauthorized order registration	https://tws.egopay.ru/ab/rest/registerPreAuth.do
Request for order completion	https://tws.egopay.ru/ab/rest/deposit.do
Order payment request	https://tws.egopay.ru/ab/rest/paymentorder.do
Finish3ds request	https://tws.egopay.ru/ab/rest/finish3dsPayment.do
Order reversal request	https://tws.egopay.ru/ab/rest/reverse.do
Refund request	https://tws.egopay.ru/ab/rest/refund.do
Request for status of an order	https://tws.egopay.ru/ab/rest/getOrderStatus.do
Request for extended status of an order	https://tws.egopay.ru/ab/rest/getOrderStatusExtended.do
3DS enrolled verification request	https://tws.egopay.ru/ab/rest/verifyEnrollment.do
Payment by binding request	https://tws.egopay.ru/ab/rest/paymentOrderBinding.do

8. Appendix 1. Response codes - actionCode description (processing answer)

Код ответа – это цифровое обозначение результата, к которому привело обращение к системе со стороны пользователя. В системе определены следующие коды:

Action code – digital code of a result received after a client addressed to the system. The following codes exist in the system:

Action code	error_id	error_message	Описание / Description	Рекомендованные сообщения для Клиента / Recommended messages for a Client
-20010	-20010	BLOCKED_BY_LIMIT	Транзакция отклонена по причине того, что размер платежа превысил установленные лимиты Банком-эмитентом / Transaction is rejected since the amount exceeds limits specified by the Issuing bank	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-9000	-9000	Started	Состояние начала транзакции / State of transaction start	При возникновении данного actionCode сообщение Клиенту не отображается.
-3003	-3003	Неизвестно	Неизвестно / Unkown	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.

-2102	-2102	Блокировка по имени пассажира	Блокировка по имени пассажира / Reject by a passanger name	Ошибка проведения платежа. Обратитесь к представителю магазина для разъяснения причин. / Payment error. Please contact representative of the merchant for more details.
-2101	-2101	Блокировка по e-mail	Блокировка по e-mail / Reject by email	Ошибка проведения платежа. Обратитесь к представителю магазина для разъяснения причин. / Payment error. Please contact representative of the merchant for more details.
-2020	-2020	Получен неверный ECI	Получен неверный ECI. Код выставляется в том случае, если пришедший в PaRes ECI не соответствует допустимому значению для данной МПС. Правило работает только для Mastercard (01,02) и Visa (05,06), где значения в скобках - допустимые для МПС. / Invalid ECI. This code means that ECI received in PaRes is not valid for the IPS. The rule applies only to Mastercard (available values - 01,02) and Visa (available values - 05,06).	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
-2019	-2019	Decline by iReq in PARes	PARes от эмитента содержит iReq, вследствие чего платеж был отклонен / PARes from the issuing bank contains iReq, which caused the payment rejection	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разъяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2018	-2018	Declined. DS connection timeout	Directory server Visa или MasterCard либо недоступен, либо в ответ на запрос вовлеченности карты (VeReq) пришла ошибка связи. Это ошибка взаимодействия платежного шлюза и серверов МПС по причине технических неполадок на стороне последних. / There is no access to Directory server Visa or MasterCard or a connection error occurred after card involvement request (VeReq). This is an error of interaction between payment gate and IPS servers due to technical problems on the side of IPS servers.	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
-2017	-2017	Отклонено. Статус PARes-а не "Y"	Отклонено. Статус PARes-а не "Y" / Rejected. PARes status is not "Y"	Ошибка проведения платежа. Обратитесь к представителю магазина для разъяснения причин. / Payment error. Please contact representative of the merchant for more details.
-2016	-2016	Declined. VeRes status is unknown	Банк-эмитент не смог определить, является ли карта 3dsecure. / Issuing bank could not determine if the card is 3dsecure.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разъяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2015	-2015	Decline by iReq in VERes	VERes от DS содержит iReq, вследствие чего платеж был отклонен. / VERes from DS contains iReq, which caused the payment rejection.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разъяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2013	-2013	Исчерпаны попытки оплаты	Исчерпаны попытки оплаты. / All payment attempts were used.	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
-2012	-2012	Operation not supported	Данная операция не поддерживается. / This operation is not supported.	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
-2011	-2011	Declined. PaRes status is unknown	Банк-эмитент не смог провести авторизацию 3dsecure-карты / Issuing bank was not able to perform 3dsecure card authorization.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разъяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2010	-2010	Несовпадение XID	Несовпадение XID. / Mismatching of XID.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разъяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2008	-2008	Неверный кошелек	Неверный кошелек. / Wrong purse.	Данный actionCode больше не используется.

-2007	2007	Decline. Payment time limit	Истек срок, отведенный на ввод данных карты с момента регистрации платежа (таймаут по умолчанию - 20 минут; продолжительность сессии может быть указана при регистрации заказа; если у мерчанта установлена привилегия "Нестандартная продолжительность сессии", то берётся период, указанный в настройках мерчанта). / The period allotted for card details entering has expired (by default timeout is 20 minutes; session duration may be specified while order registering; if the merchant has "Alternative session timeout" permission, then timeout duration is specified in merchant settings).	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
-2006	2006	Decline. 3DSec decline	Означает, что эмитент отклонил аутентификацию (3DS авторизация не пройдена) / Means that issuing bank rejected authentication (3DS authorization has not been performed).	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2005	2005	Decline. 3DSec sign error	Означает, что мы не смогли проверить подпись эмитента, то есть PAREs был читаемый, но подписан неверно. / Means that IPS could not check issuing bank sign, i.e. PAREs was readable, but the sign was wrong.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-2003	-2003	Блокировка по порту	Блокировка по порту. / Blocking by port.	Данный actionCode больше не используется.
-2002	2002	Decline. Payment over limit	Транзакция отклонена по причине того, что размер платежа превысил установленные лимиты. Примечание: имеется в виду либо лимиты Банка-эквайера на дневной оборот Магазина, либо лимиты Магазина на оборот по одной карте, либо лимит Магазина по одной операции. / Transaction was rejected because payment amount exceeded established limits. Note: it could be limit of day withdrawal established by Bank-acquirer, or limit of transaction by one card established by a merchant, or limit for one transaction established by a merchant.	Ошибка проведения платежа. Обратитесь к представителю магазина для разьяснения причин. / Payment error. Please contact representative of the merchant for more details.
-2001	2001	Decline. IP blacklisted	Транзакция отклонена по причине того, что IP-адрес Клиента внесен в черный список. / Transaction is rejected since Client's IP-address is in the black list.	Ошибка проведения платежа. Обратитесь к представителю магазина для разьяснения причин. / Payment error. Please contact representative of the merchant for more details.
-2000	2000	Decline. PAN blacklisted	Транзакция отклонена по причине того, что карта внесена в черный список. / Transaction is rejected since card number in in the black list.	Ошибка проведения платежа. Обратитесь к представителю магазина для разьяснения причин. / Payment error. Please contact representative of the merchant for more details.
-102	-102	Платеж отменен платежным агентом	Платеж отменен платежным агентом. / The payment was cancelled by the payment agent.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
-100	-100	no_payments_yet	Не было попыток оплаты. / There were not payment attempts.	При возникновении данного actionCode сообщение Клиенту не отображается.
-1	-1	sv_unavailable	Истекло время ожидания ответа от процессинговой системы. / The timer of waiting of processing response has expired.	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
0	0	Approved.	Платеж успешно прошел. / Payment has been performed successfully.	Операция успешна. / Successful transaction.
1	1	Declined. Honor with id	Для успешного завершения транзакции требуется подтверждение личности. В случае интернет-транзакции (соот-но и в нашем) невозможно, поэтому считается как declined. / Proof of identity is necessary for successful completion of the transaction. In case of internet transaction (our case) it is impossible, so transaction is considered as declined.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.

5	5	Decline. Unable to process	Отказ сети проводить транзакцию. / Refuse of network to process transaction.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
15	15	DECLINED_BY_BADINSTIT	МПС не смогла определить эмитента карты. / IPS cannot identify the issuing bank.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
53	53	DECLINED_BY_INVALID_ACCT	Карты не существует в системах процессинга. / The card does not exist in processing systems.	Операция отклонена. Обратитесь в магазин. / Payment declined. Please, contact with merchant.
100	100	Decline. Card declined	Ограничение по карте (Банк эмитент запретил интернет транзакции по карте). / Card limits (Issuing bank forbade internet transactions by the card).	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
101	101	Decline. Expired card	Истек срок действия карты. / Card is expired.	Проверьте правильность ввода карточных данных. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Check your card balance and verify entered card details. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
103	103	Decline. Call issuer	Нет связи с Банком-Эмитентом. Торговой точке необходимо связаться с банком-эмитентом. / There is no connection with the Issuing bank. Sales outlet need to contact Issuing bank.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
104	104	Decline. Card declined	Попытка выполнения операции по счету, на использование которого наложены ограничения. / This is an attempt to perform a transaction by an account that has restrictions for use.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
106	106	Превышено допустимое число попыток ввода ПИН. Вероятно карта временно заблокирована.	Превышено допустимое число попыток ввода ПИН. Вероятно карта временно заблокирована. / The maximum number of attempts to enter PIN is exceeded. It is possible that the card is blocked temporary.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
107	107	Decline. Call issuer	Следует обратиться к Банку-Эмитенту. / Please, contact Issuing bank.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
109	109	Decline. Invalid merchant	Неверно указан идентификатор мерчанта/терминала или АСС заблокирован на уровне процессинга. / Merchant/terminal identifier is incorrect or ACC is blocked on the processing level.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
110	110	Decline. Invalid amount	Предпринята попытка выполнить транзакцию на сумму, превышающую лимит, заданный банком-эмитентом. / Attempt to perform a transaction of amount exceeding Issuing bank limit.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.

111	111	Decline. No card record	Неверный номер карты. / Card number is incorrect.йв	<p>Проверьте правильность ввода карточных данных. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Check your card balance and verify entered card details. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
116	116	Decline. Not enough money	Сумма транзакции превышает доступный остаток средств на выбранном счете. / Transaction amount exceeds the available balance of the selected account.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
117	117	INCORRECT PIN	Неверно указан пин код (не для интернет транзакций). / Incorrect PIN (not for internet transactions).	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
118	118	Сервис не разрешен	Сервис не разрешён (отказ от эмитента). / Service is not allowed (rejection came from the issuer).	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
119	119	Decline. SECURITY_VIOLATION из SV	Транзакция незаконна. / Illegal transaction.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
120	120	Decline. Not allowed	<p>Отказ в проведении операции - транзакция не разрешена эмитентом. Код ответа платежной сети - 57. Причины отказа необходимо уточнять у эмитента.</p> <p>/</p> <p>Refusal to perform the operation - the transaction is not allowed by Issuing bank. Response code of the IPS - 57. Reasons for rejection should be specified an the issuing bank.</p>	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
121	121	Decline. Excds wdrwl limt	Предпринята попытка выполнить транзакцию на сумму, превышающую дневной лимит, заданный банком-эмитентом. / This is an attempt to perform transaction of amount exceeding the day limit established by the issuing bank.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
123	123	Decline. Excds wdrwl lmt	Превышен лимит на число транзакций: клиент выполнил максимально разрешенное число транзакций в течение лимитного цикла и пытается провести еще одну. / The client has performed the maximum number of transactions during the limit cycle and tries to perform another one.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
125	125	Decline. Card declined	<p>Неверный номер карты. Подобная ошибка может означать ряд вещей: Попытка возврата на сумму, больше холда, попытка возврата нулевой суммы. Для AmEx - неверно указан срок действия карты.</p> <p>/</p> <p>Card number is incorrect. This error may have several meanings: Attempt to perform a refund of amount exceeding the hold amount; Attempt to refund zero amount; for AmEx - expiry date is specified incorrectly.</p>	<p>Проверьте правильность ввода карточных данных. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Check your card balance and verify entered card details. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>

208	208	Decline. Card is lost	Карта утеряна. / Card is lost.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
209	209	Decline. Card limitations exceeded	Превышены ограничения по карте. / Card limitations exceeded.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
400	400	Реверсал обработан.	Реверсал обработан. / Reversal is processed.	Произведена отмена платежа. / Payment has been reversed.
902	902	Decline. Invalid trans	Ограничение по карте (Владелец карты пытается выполнить транзакцию, которая для него не разрешена). / Card limitations (Cardholder tries to perform a transaction that is forbidden for him).	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
903	903	Decline. Re-enter trans.	Предпринята попытка выполнить транзакцию на сумму, превышающую лимит, заданный банком-эмитентом. / Attempt to perform a transaction of amount exceeding Issuing bank limit.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
904	904	Decline. Format error	Ошибочный формат сообщения с точки зрения банка эмитента. / The message format is incorrect in terms of the issuing bank.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
907	907	Decline. Host not avail.	<p>Нет связи с Банком, выпустившим Вашу карту. Для данного номера карты не разрешена авторизация в режиме stand-in (этот режим означает, что эмитент не может связаться с платежной сетью и поэтому транзакция возможна либо в оффлайне с последующей выгрузкой в бэк офис, либо она будет отклонена).</p> <p>/</p> <p>There is no connection with the Issuing bank. Authorization in stand-in mode is not allowed for this card number (this mode means that the Issuing bank is unable to connect to the IPS, and therefore the transaction can be either offline with further unloading to back office, or it can be declined).</p>	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
909	909	Decline. Call issuer	Невозможно провести операцию (Ошибка функционирования системы, имеющая общий характер. Фиксируется платежной сетью или банком-эмитентом). / Operation is impossible (General error of the system functioning. May be detected by IPS or the Issuing bank).	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
910	910	Decline. Host not avail.	Банк-эмитент недоступен. / Issuing bank is not available.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>
913	913	Decline. Invalid trans	Неверный формат сообщения (Неправильный формат транзакции с точки зрения сети). / The message format is incorrect in terms of IPS.	<p>Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. /</p> <p>Payment error. Try again later. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.</p>

914	914	Decline. Orig trans not found	Не найдена транзакция (когда посылается завершение или reversal или refund). / Transaction is not found (when sending a completion, reversal or refund request).	При возникновении данного actionCode сообщение Клиенту не отображается.
999	999	Declined by fraud	Отсутствует начало авторизации транзакции. Отклонено по фроду или ошибка 3dsec. / The beginning of the transaction authorization is missed. Declined by fraud.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
1001	1001	Decline. Data input timeout	Пусто (Выставляется в момент регистрации транзакции, т.е. когда еще по транзакции не было введено данных карт). / Empty (is specified at the moment of transaction authorization, when card details are not entered yet).	При возникновении данного actionCode сообщение Клиенту не отображается.
1004	1004	Стадия авторизации 1	Стадия авторизации 1. / Authorization phase 1.	При возникновении данного actionCode сообщение Клиенту не отображается.
1005	1005	Стадия авторизации 2	Стадия авторизации 2. / Authorization phase 2.	При возникновении данного actionCode сообщение Клиенту не отображается.
2001	2001	Decline. Fraud	Фродовая транзакция (по мнению процессинга или платежной сети). / Fraud (in terms of IPS).	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2002	2002	Неверная операция	Неверная операция. / Incorrect operation.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2003	2003	Decline. SSL restricted	SSL (Не 3d-Secure/SecureCode) транзакции запрещены Магазины. / SSL (not 3D-Secure/SecureCode) transactions are forbidden for the Merchant.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2004	2004	SSL without CVC forbidden	Оплата через SSL без ввода CVC2 запрещена. / Payment through SSL without CVC2 is forbidden.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2005	2005	3DS rule failed	Платеж не соответствует условиям правила проверки по 3ds. / Payment does not meet terms of the rule of 3ds validation.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2006	2006	Однофазные платежи запрещены	Однофазные платежи запрещены. / One-phase payments are forbidden.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
2007	2007	Заказ уже оплачен	Заказ уже оплачен. / The order is payed.	Заказ уже оплачен. / The order has already been paid.
2008	2008	Транзакция ещё не завершена	Транзакция ещё не завершена. / The transaction is not completed.	При возникновении данного actionCode сообщение Клиенту не отображается.
2009	2009	Сумма возврата превышает сумму оплаты	Сумма возврата превышает сумму оплаты. / Refund amount exceeds deposited amount.	Сумма возврата превышает сумму оплаты. / The refund amount exceeds the amount deposited.
2014	2014	Ошибка выполнения 3DS-правила	Ошибка выполнения 3DS-правила / Error of 3DS rule execution.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.

2015	2015	Terminal select rule error	Ошибка выполнения правила выбора терминала (правило некорректно). / Terminal select rule error (rule is incorrect).	Ошибка проведения платежа. Обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Please contact representative of the merchant for more details.
2016	2016	TDS_FORBIDDEN	Мерчант не имеет разрешения на 3-D Secure, необходимое для проведения платежа. / 3-D Secure payment is necessary, but the merchant does not have permission for 3-D Secure payment.	Ошибка проведения платежа. Обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Please contact representative of the merchant for more details.
9001	9001	IPS internal error	Внутренний код отказа РБС. / IPS internal error.	Ошибка проведения платежа. Попробуйте позднее. / Payment error. Please try again later.
71015	1015	Decline. Input error	Введены неправильные параметры карты. / Entered card details are incorrect.	Проверьте правильность ввода карточных данных. Если данная ошибка возникла повторно, обратитесь в Ваш банк для разьяснения причин. Телефон банка должен быть указан на обратной стороне карты. / Check your card balance and verify entered card details. If this error occurs repeatedly, please contact your bank for more details. You can find bank telephone number on the back side of your bank card.
151017	1017	Decline. 3DSec comm error	3-D Secure - ошибка связи. / 3-D Secure - communication error.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
151018	018	Decline. Processing timeout	Таймаут в процессинге. Не удалось отправить. / Processing timeout. Sending is failed.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
151019	1019	Decline. Processing timeout	Таймаут в процессинге. Удалось отправить, но не получен ответ от банка. / Processing timeout. Sending is success, response from the bank was not received.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.
341014	1014	Decline. General Error	Код отказа РБС. / IPS general error.	Ошибка проведения платежа. Попробуйте позднее. Если данная ошибка возникла повторно, обратитесь к представителю магазина для выяснения дальнейших действий. / Payment error. Try again later. If this error occurs repeatedly, please contact representative of the merchant for more details.