

Bank Payment Slip

Developer Manual



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01

Bank Payment Slips

One more payment option from e-Rede is the Bank Payment Slip. With it, the merchant has the option of generating the bank payment slips for its consumers, via the platform.

To use this service, the client must have a contract with its bank to receive the credits.

The generation of the bank payment slip is done in e-Rede, and the transferring of the amounts is done directly with the bank.

You can reissue a bank payment slip up to three times with the same number, by sending the XML request with the same merchant number stated on the original bank payment slip.

The initial number of the bank payment slip will automatically be 1. If you need to use another initial number for payment slips, this can be done, provided that this is stated at the time of installation.

The following legend is used in this document:

- **R - Required**
- **O - Optional**
- **X - Exclude - Completing this field may cause transaction failure**

Note: for us to recognize the Bank Payment Slip on our system and for you to be able to generate the bank payment slip for customers of your site, you must provide the contract code you have with the paying bank associated with the slips.

Each bank can adopt different nomenclatures for this number; for example: contract number, agreement number, or even transferor. Check with your bank about this code and have it handy when requesting the generation of the payment slips via e-Rede.



02 Elements of the request

The following composite element can be sent in the XML request and will be included in the authorization request transaction.

- Request
 - Transaction
 - TxnDetails - See section 2.2.1.3 of the e-Rede Developers' Reference Guide
 - BoletoTxn - See section 2.1

2.1 BoletoTxn

Name of the element	BoletoTxn
Position	Request.Transaction

Elements of the BoletoTxn Request

Name of the element	Description	Values/Limitations	Mandatory?
method	Type of transaction	payment	R
expiry_date	Expiry date to be assigned to the Bank Payment Slip being emitted. Can be up to 12 months into the future	YYYY-MM-DD	R
language	Language of the client	Language tag of the IETF	O
title	Title of the client	For example: Mr., Mrs., Miss	O
first_name	Client's first name	Alphanumeric	O
last_name	Last name/surname of the client	Alphanumeric	O



Elementos da Solicitação do BoletãoTxn

Name of the element	Description	Values/Limitations	Mandatory?
billing_street1	Billing address (first line)	Alphanumeric	O
billing_street2	Billing address (second line)	Alphanumeric	O
billing_city	City of the billing address	Alphanumeric	O
billing_state_province	State of the billing address	Alphanumeric	O
billing_postcode	ZIP code of the billing address	Alphanumeric	O
billing_country	Country of the billing address	Alphanumeric	O
customer_telephone	Customer's telephone number		O
customer_email	Customer's e-mail address	Maximum of 64 characters, Must contain @e.	O
customer_ip	Customer's IPv4 address	nnn.nnn.nnn.nnn	O
instructions	Instructions to the teller that receives payment from the client; for example: "validate with document containing photo, do not accept payment by check"	Alphanumeric field. Maximum of 200 characters. For characters with an accent, the character and the accent occupy 2 spaces. For example: "Itaú" occupies 5 characters	O
interest_per_day	Daily percentage penalty applied to a bank payment slip; for example: 0.1 represents charging of 10% per day after the due date	Numerical	O
overdue_fine	Fixed percentage rate applied if the bank payment slip is paid any time after the due date	Numerical	O
processor_id	11 = Itaú 12 = Bradesco 13 = Banco do Brasil 14 = HSBC 15 = Santander 16 = Caixa	2 numerical digits	O

Note: the composition of the fields "first_name" and "last_name" must not exceed 63 characters altogether.



2.2 XML example:

XML example of request for block of BoletoTxn data

```
<BoletoTxn>
  <instructions>Here are some instructions</instructions>
  <expiry_date>2013-04-01</expiry_date>
  <customer_ip>192.168.0.1</customer_ip>
  <method>payment</method>
  <first_name>Joe</first_name>
  <customer_email>null@test.com</customer_email>
  <last_name>Schmoe</last_name>
  <billing_street1>12 Abyford Road</billing_street1>
</BoletoTxn>
```

XML example of bank payment slip request

```
<Request version='2'>
  <Authentication>
    <password>*****</password>
    <AcquirerCode>
      <rdcd_pv>123456789</rdcd_pv>
    </AcquirerCode>
  </Authentication>
  <Transaction>
    <BoletoTxn>
      <instructions>Here are some instructions</instructions>
      <expiry_date>2013-04-01</expiry_date>
      <customer_ip>192.168.0.1</customer_ip>
      <method>payment</method>
      <first_name>Joe</first_name>
      <customer_email>null@test.com</customer_email>
      <last_name>Schmoe</last_name>
      <billing_street1>12 Abyford Road</billing_street1>
    </BoletoTxn>
    <TxnDetails>
      <merchantreference>1006e46a5151d623a</merchantreference>
      <amount currency="BRL">55.44</amount>
    </TxnDetails>
  </Transaction>
</Request>
```



03 Elements of the response

The response from e-Rede will include a summary of the information presented in the order for the transaction; for example, the method, language, client information, and specific data about the bank payment slip. It will also include information required from the merchant to support the issuing of the bank payment slip to the client, or to reconcile data when the payment slip has been paid (through a query transaction).

Besides the elements discussed in this section, the responses for this service also contain the general response elements, as described in section 2.1 of the e-Rede Developers' Reference Guide.

Important: the elements will only appear in the response if the information is available; for example the `txn_paid_value` will not be available or displayed if the `txn_status` is pending; that is, the bank payment slip has not yet been paid.

Name of the element	BoletoTxn
Position	Response

Elements of the BoletoTxn response

Name of the element	Description	Values/Limitations
<code>url</code>	The URL used to access the form of the bank payment slip	Standard HTTPS URL
<code>order_id</code>	Exclusive ID of the bank payment slip generated by the provider	Reference formatted in UUID
<code>transaction_id</code>	Exclusive reference of the provider for this transaction	Numerical, maximum of 20
<code>txn_status</code>	Indicates if the bank payment slip has been paid	Pending and paid



Elements of the BoletoTxn response

Name of the element	Description	Values/Limitations
txn_fine_value	Any fine paid on the bank payment slip	Numerical, formatted for the currency
txn_total_due	The total amount due on the payment slip, including fines	Numerical, formatted for the currency
txn_paid_value	The amount actually paid for the bank payment slip	Numerical, formatted for the currency
boleto_barcode	The number and barcode of the bank payment slip. This number always contains 47 characters and must not contain any spaces or points	Numerical

XML example of response for bank payment slip

```

<Response version="2">
  <BoletoTxn>
    <method>payment</method>
    <language>es</language>
    <customer_email>john@mail.com</customer_email>
    <customer_ip>127.0.0.1</customer_ip>
    <title>MR</title>
    <first_name>JOHN</first_name>
    <last_name>CAIXA</last_name>
    <country>BR</country>
    <billing_street1>Address Line 1</billing_street1>
    <billing_city>JA</billing_city>
    <billing_postcode>12345</billing_postcode>
    <billing_country>BR</billing_country>
    <customer_telephone>00000000000</customer_telephone>
    <interest_per_day>0.1</interest_per_day>
    <overdue_fine>0.05</overdue_fine>
    <expiry_date>2013-04-01</expiry_date>
    <processor_id>11</processor_id>
    <instructions>Não aceitar pagamento em cheques. Inadimplente -
      Percentual Juros Dia: 10%. Percentual Multa: 5%.</instructions>
    <url>http://www.domain.com/generatedurl456</url>
    <order_id>7F000001:013829A1C09E:8DE9:016891F0</order_id>
    <transaction_id>1418605</transaction_id>
    <txn_status>PENDING</txn_status>
  
```




```
<barcode_number>23791234056000000000401000123404856240000010000</barcode_number>
</BoletoTxn>
<gateway_reference>4200000027950077</gateway_reference>
<merchantreference>boleto1234</merchantreference>
<mode>LIVE</mode>
<reason>ACCEPTED</reason>
<status>1</status>
<time>1341312709</time>
</Response>
```

04 Elements for transaction query

A query transaction can be performed for a bank payment slip transaction the same way as for a card transaction.

4.1 Elements of the request

- Request
 - o Authentication - **See section 2.1.1.1.1 of the e-Rede Developers' Reference Guide**
 - o Transaction
 - HistoricTxn - **See section 2.2.1.4 of the e-Rede Developers' Reference Guide**

4.2 Elements of the response

The response from e-Rede for information on the query transaction may vary, depending on the payment status of the bank payment slip. For example, if the ticket has been paid, the amount in "txn_status" will appear as "paid", and the fields detailed below will provide additional information about the payment. Please see section 3 for more details about the fields available.



XML example of a request for a block of BoletoTxn data

```
<Request version="2">
  <Authentication>
    <password>####</password>
    <AcquirerCode>
      <rdcd_pv>123456789</rdcd_pv>
    </AcquirerCode>
  </Authentication>
  <Transaction>
    <HistoricTxn>
      <method>query</method>
      <reference type="merchant">boleto1234</reference>
    </HistoricTxn>
  </Transaction>
</Request>
```

Example of XML response for payment_status = **PENDING**

```
<Response version='2'>
  <QueryTxnResult>
    <BoletoTxn>
      <amount>100.00</amount>
      <billing_city>SP</billing_city>
      <billing_country>BR</billing_country>
      <billing_postcode>12949-110</billing_postcode>
      <billing_street1>Av. Paulista 1111</billing_street1>
      <boleto_number>536</boleto_number>
      <boleto_url>https://testboletos.maxipago.net/redirection_service/boleto?ref=L
mO9fsnOXyUgTcRusHkbMQFQxVkk9OBmXEK5CanaeV8JEVxxqROSI7%2Bawb9qrL8Z
TSC4pnEbe8iF%0AmHp1r%2FX7Vg%3D%3D</boleto_url>
      <customer_email>jojojo@dominio.com.br</customer_email>
      <customer_ip>127.0.0.1</customer_ip>
      <customer_telephone>1135938203</customer_telephone>
      <expiry_date>2013-04-01</expiry_date>
      <first_name>Daniel</first_name>
      <instructions>Não aceitar pagamento em cheques. Percentual Juros
Dia: 1%. Percentual Multa: 1%.</instructions>
      <interest_per_day>0.01</interest_per_day>
      <last_name>Lucats</last_name>
      <merchant_id>3701</merchant_id>
      <order_id>536</order_id>
```



```

    <overdue_fine>0.01</overdue_fine>
    <payment_status>PENDING</payment_status>
    <processor_id>11</processor_id>
    <transaction_id>543966</transaction_id>
  </BoletoTxn>
  <gateway_reference>3600900010035659</gateway_reference>
  <merchantreference>Teste28061003</merchantreference>
  <reason>Boleto Bancario payment pending</reason>
  <status>1911</status>
</QueryTxnResult>
<mode>LIVE</mode>
<reason>ACCEPTED</reason>
<status>1</status>
<time>1372424737</time>
</Response>

```

Example of XML Response for txn_payment = PAID

```

<?xml version="1.0" encoding="UTF-8"?>
<Response version='2'>
  <QueryTxnResult>
    <BoletoTxn>
      <amount>350.00</amount>
      <billing_city>SP</billing_city>
      <billing_country>BR</billing_country>
      <billing_postcode>12949-110</billing_postcode>
      <billing_street1>Av. Paulista 1111</billing_street1>
      <boleto_number>175</boleto_number>
      <boleto_url>https://testboletos.maxipago.net/redirection_service/boleto?ref=LmO9fs
nOXyUgTcRusHkbMQFQxVkk9OBmXEK5CanaeV%2FHdhcaC70EcHH2dNIwmp53TSC4pnE
be8iF%0AmHp1r%2FX7Vg%3D%3D</boleto_url>
      <customer_email>jojojo@dominio.com.br</customer_email>
      <customer_ip>127.0.0.1</customer_ip>
      <customer_telephone>1135938203</customer_telephone>
      <expected_amount>399</expected_amount>
      <expiry_date>2013-04-01</expiry_date>
      <first_name>Daniel</first_name>
      <instructions>Não aceitar pagamento em cheques. Percentual Juros Dia: 1%.
Percentual Multa: 1%.</instructions>
      <interest_per_day>0.01</interest_per_day>
      <last_name>Lucats</last_name>
    </BoletoTxn>
  </QueryTxnResult>
</Response>

```



```
<merchant_id>3701</merchant_id>
<order_id>175</order_id>
<overdue_fine>0.01</overdue_fine>
<paid_amount>350.00</paid_amount>
<payment_date>2013-04-14</payment_date>
<payment_status>PAID</payment_status>
<processor_id>11</processor_id>
<transaction_id>485821</transaction_id>
</BoletoTxn>
<gateway_reference>3900900010002228</gateway_reference>
<merchantreference>Teste110458</merchantreference>
<reason>ACCEPTED</reason>
<status>1</status>
</QueryTxnResult>
<mode>LIVE</mode>
<reason>ACCEPTED</reason>
<status>1</status>
<time>1372425377</time>
</Response>
```

05 Consolidation of the bank payment slips

To consolidate the bank payment slips generated in e-Rede we must receive the bank file with the data for paid and outstanding bank payment slips, in order for them to be available on our website.

Therefore, your bank must be authorized by you in order for us to send the file.

Use the standard letter for this authorization.

The model can be downloaded from our web portal in the Developer Area.



06

Specific response codes for bank payment slips

As part of the implementation, the following specific Bank Payment Slip response codes were created.

Code	General return code	Description
1911	Payment pending	A valid "payment" transaction was received, but there was still no "payment_notification"
1912	Not enabled for Boleto Bancario	The merchant cannot use the Bank Payment Slip service
1913	Invalid value supplied	A field contains an invalid value
1914	Missing mandatory element	One or more mandatory elements (due date, etc.) was not provided
1915	Failure response received	Transaction failed
1916	Communications Error	Communication Error
1917	Payment notification can only be sent internally	The payment notification must be sent with internal credentials
1918	Payment notification attempted against non-existent transaction	No payment transaction was found for the corresponding Bank Payment Slip
1919	Payment notification attempted against an already-paid transaction	The payment transaction corresponding to the Bank Payment Slip has already been paid
1920	Payment notification attempted with a different vTID	The payment notification must use the same vTID as the Bank Payment Slip



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