

## Easy Recieving

### Especificação de Interface

Interface 961 - WSI\_PaymentRefDetailsQuery

## Informação do Documento

### Controlo de versões

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## 1 Introduction

### Background and Objective

#### 1.1 This document fits in as a deliverable from the design phase of the work front. integration of peripheral applications (Banco Económico partners) and the Easy Receiving system.

It is the purpose of this document to present the characterization and the functional and technical details that will support the implementation of interfaces between the Easy Receive system and external applications.

#### 1.2 Target Audience / Audience

This document is addressed to the following teams:

- Integration Team, for validation and coordination of development actions;
- Project development, testing and maintenance teams to guide development, testing and / or maintenance activities;

Users / partners as consumers of information in order to validate present information, criteria and functional rules applied;

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#### 1.3 Acronyms and Definitions

Below is the definition of each of the acronyms used throughout this document..

**Tabela 1 - Description of Acronyms**

ENTIDADE	DEFINITION
EMIS	Interbank Services Company
SPF	Payment and Billing System

## 2 Specification

### 2.1 Functional Specification

#### 2.1.1 Functional Summary

The WSI\_PaymentRefDetailsQuery Interface (identifier # 961) is an operation of the Invoice Payment System (Easy Receipt) service, intended for query status. multi-box references.

The operation receives as input parameters token used for entity authentication in the Easy Receive system, entity identifier, a list of payment identifiers, and / or list of source system identifiers. More details on the service input and output parameters are detailed in the Input Parameters and Output Parameters section.

The following table details the functional characteristics of the interface.

FUNCTIONAL INTERFACE FEATURES	
ID Catálogo Interfaces	961
Service Name	WSI_PaymentRefDetailsQuery
Operation Name	paymentRefDetailsQuery_execute
Functional Domain	Customers, Invoices

### 2.2 Especificação Técnica

#### 2.2.1 Características Técnicas

Na tabela seguinte são detalhadas as características técnicas da interface.

INTERFACE TECHNICAL CHARACTERISTICS	
Integration Standard	XML Online Gateway
synchronism	Synchronous
response type	SOAP Response
Frequency	On-Demand
Namespace WSDL	<a href="http://www.bancoeconomico.ao/soa/paymentrefdetails">http://www.bancoeconomico.ao/soa/paymentrefdetails</a>
Namespace XSD	<a href="http://www.bancoeconomico.ao/xsd/paymentrefdetails">http://www.bancoeconomico.ao/xsd/paymentrefdetails</a>
Message Format	XML

### 2.2.2 Input Parameters

The submitted SOAP request consists of the fields in the table

ELEMENTO	DESCRIÇÃO	Nº Ocorrências
<b>PaymentRefCreateRequest</b>		
<b>HEADER</b>		
SOURCE Type: string	Source System Identification	1
MSGID Type: string	External referential identifier, applicable in system context source	
USERID Type: string	User configured specifically for source system associated with the invocation (used for authentication and ESB operation authorization)	1
BRANCH Type: string	Counter identifier for operation record. Default is 000	1
PASSWORD Type: string	User password specifically configured for the source system associated with the invocation (used for authentication and authorization of the operation in the ESB)	0, 1
INVOKETIMESTAMP Type: dateTime	Creation timestamp on source system in yyyy-MM- format ddThh: dd: ss	1
<b>BODY</b>		
<b>Payment</b> Type: PaymentType	Type representing the Payment Reference details to be created.	1
AUTHTOKEN Type: string	Authentication Token.	1
ENTITYID Type: string	Entity for which the reference is generated	
<b>(+)PaymentIdList</b> Type: PaymentIdListType	Payment identifiers list.	0,1
PAYMENT_ID Type: string	Payment Identifier	0,N
<b>(+)SourceIdList</b> Type: SourceIdListType	List Identifiers on the source system.	0,1
SOURCE_ID Type: string	Order identifier in the source system and must be unique by request.	0,N

### 2.2.3 Output Parameters

The received SOAP response consists of the fields shown in the following table.

ELEMENT	DESCRICAO	Nº OCURENCIES
<b>CreatePaymentRefResponse</b>		
<b>HEADER</b>		
SOURCE Type: string	Source System Identification	1
MSGID Type: string	External referential identifier, applicable in system context source	0, 1
USERID Type: string	User configured specifically for source system associated with the invocation (used for authentication and ESB operation authorization)	1
BRANCH Type: string	Counter counter for operation record (Default is 000)	1
MSGSTAT Type: string	Invocation Status Message (SUCCESS, WARNING, FAILURE)	0, 1
PASSWORD Type: string	User password specifically configured for the source system associated with the invocation (used for authentication and authorization of the operation in the ESB)	0, 1
<b>BODY</b>		
<b>Payment_List</b> Type: Payment_ListType	Reference List	0,1
<b>(+)Payment_Details</b> Type: Payment_DetailsType	Detail of each reference	0,N
PAYMENT_ID Type: string	Payment Reference generated	1
ENTITYID Type: string	Entity for which the reference is generated.	1
SOURCE_ID Type: string	Order identifier in the source system and must be unique by request.	
REFERENCE Type: string	ATM / EMIS reference.	0,1
AMOUNT Type: decimal	Reference Amount (Format to two decimal places).	1
START_DATE Type: date	Start date (only used on invoice products). Format YYYY-MM-DD	0,1
END_DATE Type: date	End date. YYYY-MM-DD Format	0,1
STATUS Type: string	Payment Status Tax Rate (ACTIVE, INACTIVE, CANCELED, PAID, ERROR)	0,1
<b>List-Error-Response</b> Type: List-Error-ResponseType	Error Message List	0, 1
<b>(+) ERROR</b> Type: errorType	Details of error	1..N
ECODE	Code of error	1

Type: string		
EDESC Type: string	Error Description	1
<b>List-Warning-Response</b> Type: List-Warning-ResponseType	Warning Message List	0, 1
<b>(+) WARNING</b> Type: warningType	Warning details	1..N
WCODE Type: string	Warning Code	1
WDESC Type: string	Warning Description	1



## 2.2.4 Exemples

Service invocation message for reference query operation:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pay="http://www.bancoeconomico.ao/xsd/paymentrefdetails">
  <soapenv:Header>
    <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-wssecurity-utility-1.0.xsd">
      <wsse:UsernameToken wsu:Id="soaAuth">
        <wsse:Username>SFX</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">passwordSFX1</wsse:Password>
        <wsu:Created>${=new java.text.SimpleDateFormat("yyyy-MM-dd'T'HH:mm:ss").format(new
java.util.Date())}</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soapenv:Header>
  <soapenv:Body>
    <pay:PaymentRefDetailsQueryRequest>
      <pay:HEADER>
        <pay:SOURCE>ECN</pay:SOURCE>
        <pay:MSGID>${= java.util.UUID.randomUUID()}</pay:MSGID>
        <pay:USERID>ECN001</pay:USERID>
        <pay:BRANCH>000</pay:BRANCH>
        <!--Optional:-->
        <pay:PASSWORD/>
        <pay:INVOKETIMESTAMP>${=new java.text.SimpleDateFormat("yyyy-MM-dd'T'HH:mm:ss").format(new
java.util.Date())}</pay:INVOKETIMESTAMP>
      </pay:HEADER>
      <pay:BODY>
        <pay:Payment>
          <pay:AUTHTOKEN> </pay:AUTHTOKEN>
          <pay:ENTITYID>00000</pay:ENTITYID>
          <!--Optional:-->
          <pay:PaymentIdList>
            <!--Zero or more repetitions:-->
            <pay:PAYMENT_ID>000000</pay:PAYMENT_ID>
          </pay:PaymentIdList>
          <!--Optional:-->
          <pay:SourcetIdList>
            <!--1 or more repetitions:-->
            <pay:SOURCE_ID>BANCOINT1</pay:SOURCE_ID>
          </pay:SourcetIdList>
        </pay:Payment>
      </pay:BODY>
    </pay:PaymentRefDetailsQueryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Service Response Message for Reference Query Operation, on Success:

```
<?xml version="1.0" encoding="UTF-8"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:wsa="http://www.w3.org/2005/08/addressing">
  <env:Header>
    <wsa:MessageID>urn:92fe1283-bcf3-11e9-8c16-005056a4db2c</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
      <wsa:ReferenceParameters>
        <instra:tracking.ecid xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">8ba6e66f-1666-
4794-86c7-e2662399e8d5-00028ee8</instra:tracking.ecid>
        <instra:tracking.FlowEventId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">1781955</instra:tracking.FlowEventId>
        <instra:tracking.FlowId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">940209</instra:tracking.FlowId>
        <instra:tracking.CorrelationFlowId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">0000Mm5^M9r3R9opGSg8yf1TI3zc00001F</instra:tracking
.CorrelationFlowId>
        <instra:tracking.quiescing.SCAEntityId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">760023</instra:tracking.quiescing.SCAEntityId>
      </wsa:ReferenceParameters>
    </wsa:ReplyTo>
    <wsa:FaultTo>
      <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
    </wsa:FaultTo>
  </env:Header>
  <env:Body>
    <PaymentRefDetailsQueryResponse xmlns:ns2="http://www.bancoeconomico.ao/xsd/returnmessages"
xmlns:ns3="http://www.bancoeconomico.ao/soa/proxies/spfproxyService"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:inp1="http://www.bancoeconomico.ao/soa/proxies/spfproxyService/createpaymentref"
xmlns:tns="http://www.bancoeconomico.ao/soa/paymentrefdetails"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:ns0="http://www.bancoeconomico.ao/xsd/paymentrefdetails"
xmlns="http://www.bancoeconomico.ao/xsd/paymentrefdetails">
      <ns0:HEADER>
        <ns0:SOURCE>ECN</ns0:SOURCE>
        <ns0:MSGID>8ca80222-24df-48d0-abbb-41746730e830</ns0:MSGID>
        <ns0:USERID>ECN001</ns0:USERID>
        <ns0:BRANCH>000</ns0:BRANCH>
        <ns0:MSGSTAT>'SUCCESS'</ns0:MSGSTAT>
        <ns0:PASSWORD/>
      </ns0:HEADER>
      <ns0:BODY>
        <ns0:Payment_List>
          <ns0:Payment_Details>
            <ns0:PAYMENT_ID>38400</ns0:PAYMENT_ID>
            <ns0:SOURCE_ID>BANCOINT1</ns0:SOURCE_ID>
            <ns0:ENTITY_ID>01003</ns0:ENTITY_ID>
            <ns0:REFERENCE>010001154</ns0:REFERENCE>
            <ns0:AMOUNT>1</ns0:AMOUNT>
            <ns0:START_DATE>2019-08-12+01:00</ns0:START_DATE>
            <ns0:END_DATE>2019-08-15+01:00</ns0:END_DATE>
            <ns0:Status>ACTIVE</ns0:Status>
          </ns0:Payment_Details>
        </ns0:Payment_List>
        <ns0:List-Warning-Response>
          <ns2:WARNING>
            <ns2:WCODE>SOA-SSC001</ns2:WCODE>
            <ns2:WDESC>Record(s) Successfully Retrieved.</ns2:WDESC>
          </ns2:WARNING>
        </ns0:List-Warning-Response>
      </ns0:BODY>
    </PaymentRefDetailsQueryResponse>
  </env:Body>
</env:Envelope>
```