Easy Receiving

Especificação de Interface

Interface 960 - WSI_PaymentRefCreate

Informação do Documento

Controlo de versões

VERSÃO	DATA	RESPONSÁVEL	ESTADO	DESCRIÇÃO DAS ALTERAÇÕES
1.00	06-08-2019	BE - Integração	Revisado	Criação do documento

Index

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 Economico 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.

Target Audience / Audience

1.2   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;

1.3   Acronyms and Definitions

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

Table 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_PaymentRefCreate Interface (identifier # 960) is an operation of the Invoice Payment System (Easy Receive) service, designed to create multi-bin references.

for subsequent payment / settlement on the interbank service network with EMIS.

The operation receives as input parameters details for reference generation, such as token used for entity authentication in the Easy Receive system, entity, source system identifier, product number, etc. 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	
Catalog ID Interfaces	960
Service Name	WSI_PaymentRefCreate
Operation Name	paymentRefCreate_execute
Functional Domain	Customers, Invoices

2.2   Technical specification

2.2.1 Technical Characteristics

The following table details the technical characteristics of the interface.

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

2.2.2 Input Parameters

The submitted SOAP request consists of the fields in the table

ELEMENT	DESCRIPTION	Nº OCURRENCIES
PaymentRefCreateRequest		
HEADER		
SOURCE Type: string	Source System Identification	1
MSGID Type: string	External referential identifier, applicable in system context source	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 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
BODY		
Payment Type: PaymentType	Type representing the Payment Reference details to be created.	1
AUTHTOKEN Type: string	Authentication Token.	
ENTITYID Type: string	Entity for which the reference is generated	
PRODUCT_NO Type: int	Product code	1
SOURCE_ID Type: string	Order identifier in the source system and must be unique by request.	1
REFERENCE Type: string	Reference for ATM / EMIS.	0,1
AMOUNT Type: decimal	Reference amount (format with 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
TAX_RATE Type: decimal	Tax Rate. (Format to two decimal places)	0,1
CUSTOMER_NAME Type: string	Name of the Client	0,1

ADDRESS Type: string	Customer Address	0,1
TAX_ID Type: string	Customer Taxpayer Number	0,1
EMAIL Type: string	Customer Email	0,1
PHONE_NUMBER Type: string	Customer Phone	0,1

2.2.3 Parâmetros de Saída

A resposta SOAP recebida é composta pelos campos apresentados na tabela seguinte.

ELEMENTO	DESCRIÇÃO	Nº OCURRENCIES
CreatePaymentRefResponse		
HEADER		
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)	
MSGSTAT Type: string	Mensagem de estado da invocação (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
BODY		
Payment_Details Type: Payment_DetailsType	Payment details.	0,1
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.	1
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	

END_DATE Type: date	End date. YYYY-MM-DD Format	0,1
STATUS Type: string	Payment Status Tax Rate (ACTIVE, INACTIVE, CANCEL, PAID, ERROR)	0,1
List-Error-Response Type: List-Error-ResponseType	Error Message List	0, 1
(+) ERROR Type: errorType	Error Code	1..N
ECODE Type: string	Error Code	1
EDESC Type: string	Error Description	1
List-Warning-Response Type: List-Warning-ResponseType	Warning Message List	0, 1
(+) WARNING Type: warningType	Notice Details	1..N
WCODE Type: string	Warning Code	1
WDESC Type: string	Warning Description	1

2.2.4 Exemples

Service invocation message for referral operation:

```xml
<?xml version="1.0" encoding="UTF-8"?>

<soapenv:Envelope xmlns:pay="http://www.bancoeconomico.ao/xsd/paymentref"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"><soapenv:Header><wsse:Security
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd"><wsse:UsernameToken wsu:Id="soaAuth"><wsse:Username>XXX</wsse:Username><wsse:Password
Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">XXXXXXXXX</wsse:Password><wsu:Created>${=new java.text.SimpleDateFormat("yyyy-MM-
dd'T'HH:mm:ss").format(new
java.util.Date())}</wsu:Created></wsse:UsernameToken></wsse:Security></soapenv:Header><soapenv:Body><pay
:PaymentRefCreateRequest><pay:HEADER><pay:SOURCE>BANCO</pay:SOURCE><pay:MSGID>${=
java.util.UUID.randomUUID()}</pay:MSGID><pay:USERID>BANCOINT1</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>xxxxxxxxxxxxx
xxx</pay:AUTHTOKEN><pay:ENTITYID>00000</pay:ENTITYID><pay:PRODUCT_NO>1</pay:PRODUCT_NO><pay:SOURCE_ID>BA
NCOINT1</pay:SOURCE_ID>
<!--Optional:-->
<pay:REFERENCE/>
<pay:AMOUNT>1</pay:AMOUNT>
<!--Optional:-->
<pay:START_DATE>2019-08-12</pay:START_DATE>
<!--Optional:-->
<pay:END_DATE>2019-08-15</pay:END_DATE>
<!--Optional:-->
<pay:TAX_RATE>1</pay:TAX_RATE>
<!--Optional:-->
<pay:CUSTOMER_NAME/>
<!--Optional:-->
<pay:ADDRESS/>
<!--Optional:-->
<pay:TAX_ID/>
<!--Optional:-->
<pay:EMAIL>xxxxxxxxx@bancoecnomico.ao</pay:EMAIL>
<!--Optional:-->
<pay:PHONE_NUMBER/>
</pay:Payment>
</pay:BODY>
</pay:PaymentRefCreateRequest>
</soapenv:Body>
</soapenv:Envelope>
```

Service response message for referral operation on success:

```xml
<?xml version="1.0" encoding="UTF-8"?>

<env:Envelope xmlns:wsa="http://www.w3.org/2005/08/addressing"
xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"><env:Header><wsa:MessageID>urn:d2429b81-bcdf-11e9-
8c16-
005056a4db2c</wsa:MessageID><wsa:ReplyTo><wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</ws
a:Address><wsa:ReferenceParameters><instra:tracking.ecid
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">8ba6e66f-1666-4794-86c7-e2662399e8d5-
00028578</instra:tracking.ecid><instra:tracking.FlowEventId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">1781864</instra:tracking.FlowEventId><instra:tra
cking.FlowId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">940202</instra:tracking.FlowId><instra:tracking.
CorrelationFlowId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">0000Mm53rXA3R9opGSg8yf1TI3zc000018</instra:track
ing.CorrelationFlowId><instra:tracking.quiescing.SCAEntityId
xmlns:instra="http://xmlns.oracle.com/sca/tracking/1.0">760017</instra:tracking.quiescing.SCAEntityId></
wsa:ReferenceParameters></wsa:ReplyTo><wsa:FaultTo><wsa:Address>http://www.w3.org/2005/08/addressing/ano
nymous</wsa:Address></wsa:FaultTo></env:Header><env:Body><PaymentRefCreateResponse
xmlns="http://www.bancoeconomico.ao/xsd/paymentref"
xmlns:ns0="http://www.bancoeconomico.ao/xsd/paymentref"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tns="http://www.bancoeconomico.ao/soa/paymentref"
xmlns:inp2="http://www.bancoeconomico.ao/soa/proxies/spfproxyService/querypaymentrefdetails"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:ns3="http://www.bancoeconomico.ao/soa/proxies/spfproxyService"
xmlns:ns2="http://www.bancoeconomico.ao/xsd/returnmessages"><ns0:HEADER><ns0:SOURCE>BANCO</ns0:SOURCE><n
s0:MSGID>2be53efe-e4b0-4213-976c-
537ee2044ea6</ns0:MSGID><ns0:USERID>BANCOINT1</ns0:USERID><ns0:BRANCH>000</ns0:BRANCH><ns0:MSGSTAT>SUCCE
SS</ns0:MSGSTAT><ns0:PASSWORD/></ns0:HEADER><ns0:BODY><ns0:Payment_Details><ns0:PAYMENT_ID>38400</ns0:PA
YMENT_ID><ns0:SOURCE_ID>BANCOINT1</ns0:SOURCE_ID><ns0:ENTITY_ID>01003</ns0:ENTITY_ID><ns0:REFERENCE>0100
01154</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: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></PaymentRefCreateResponse></env:Body></env:Envelope>
```