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Direcção-Geral das Alfândegas e  
dos Impostos Especiais sobre o  
Consumo

# ICS - SECURITY AND PROTECTION

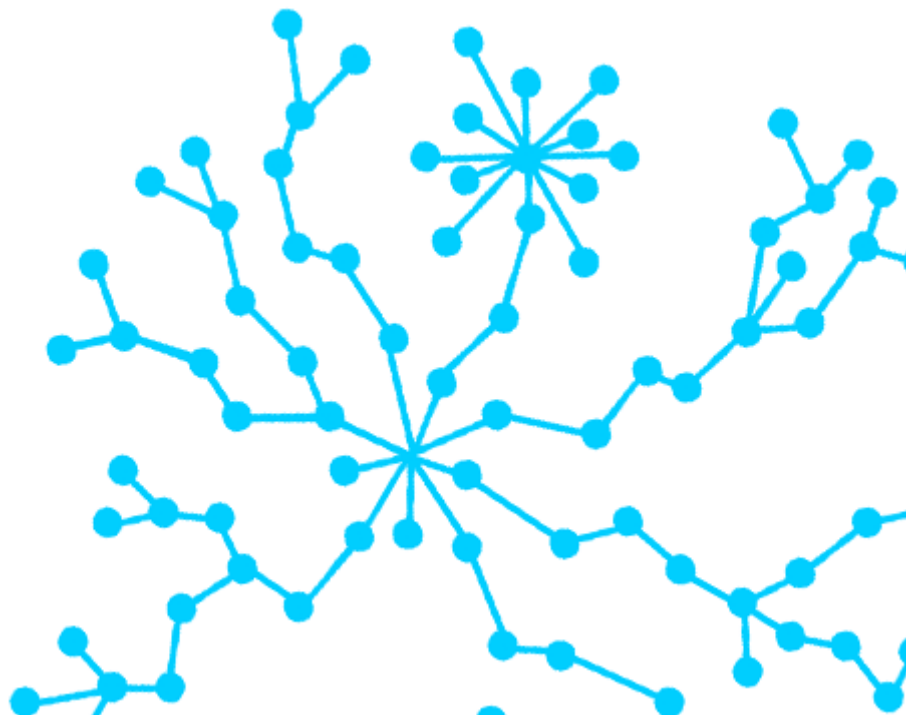
  

# OPERATORS WEBSERVICES

ICS SP – Import Control System – Security and Protection

Ref. Indra AJP050

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# 1 Introduction

The main purpose of this document is to describe the WebServices available to exchange messages with the ICS SP carriers.

## 2 Abbreviations

### 2.1 Abbreviations

**ICS SP** – Import Control System Security and Protection

**XML** – eXtensible Markup Language

# 3 Reference Documents

*AAP016-DOC-AN-001-005\_Relatório de Especificação Funcional\_ICS\_1ª fase*

*ICS - Guia XML - Definições Gerais v1.3*

## 4 WebServices

In order to use the WebServices, the Economic Operator needs to authenticate in the Portal of Electronic Declarations. The authentication mechanism should be in accordance with the mechanism already defined by Portal.

Under certain conditions (system overload, repeated messages,...), the Web Services may reject requests (sending or receiving messages) as a policy of ensuring stability of the system. In these cases the client is responsible to send the request later.

There are three WebServices available:

### Message Sending:

#### Input parameters:

- The WebService allows the simultaneous sending of one or more messages
- All messages must obey to Base64 codification

#### Return values:

- The WebService returns the success / failure in message integration

### Message Reception by Message Identifiers:

#### Input parameters:

- The WebService allows the simultaneous definition of one or more message identifiers (sent previously)

#### Return values:

- The WebService returns the content of all responses generated by system for the message identifiers indicated
- The response message obey to Base64 codification

### Message Reception by Movement Reference Number (MRN):

#### Input parameters:

- The WebService allows the definition of one movement reference number (generated previously)

#### Return values:

- The Webservice returns the content of all messages generated by system for the Movement Reference Number (MRN) indicated
- The response message obey to Base64 codification

## 4.1 Messages Sending

The Webservice available to message sending has the following input parameters:

- Message sender identification:

This identification must be the EORI number of the message sender operator. The EORI number is composed by two initial alphabetic characters (that represents the country code), followed by the respective number.

- Messages:

The content of one or more messages must be sent in the corresponding input parameter (messages) and must respect Base64 codification.

The Webservice returns the following values:

- Submission result:

For each sent message is returned the submission result. This result can be a success indicator (OK) or failure indicator (NOK).

In failure cases is indicated the error description.

## 4.2 Message Reception by Message Identifiers

The Webservice available for message reception by message identifiers has the following input parameters:

- Identification of the operator who receives the messages responses:

This identification must be the EORI number of the operator. The EORI number is composed by two initial alphabetic characters (that represents the country code), followed by the respective number.

- Sent messages identification:

Represents the numbers of the messages previously sent to the system.

This Webservice returns the following values:



- Messages:

Responses to the messages identified in the corresponding input parameter. This content obeys to Base64 codification.

## 4.3 Message Reception by Movement Reference Number (MRN)

The WebService available for message reception by MRN has the following input parameters:

- Identification of the operator who receives the messages responses:

This identification must be the EORI number of the operator. The EORI number is composed by two initial alphabetic characters (that represents the country code), followed by the respective number.

- Movement Reference Numbers (MRNs):

Represents the movement reference numbers of the integrated import operations.

This WebService returns the following values:

Responses to the messages identified in the corresponding input parameter. This content obeys to Base64 codification.

## 5 Supported Messages

The messages supported by the WebServices are:

- IE304 Entry Summary Declaration Amendment Accepted
- IE305 Entry Summary Declaration Amendment Rejected
- IE313 Entry Summary Declaration Amendment
- IE315 Entry Summary Declaration
- IE316 Exit Summary Declaration Rejection
- IE323 Diversion Request
- IE324 Diversion Request Rejected
- IE325 Diversion Request Accepted
- IE328 Entry Summary Declaration Acknowledgement
- IE351 Advanced Intervention Notification
- IE906 Functional Errors
- IE917 XML Errors

For message flow and specification details see reference documents indicated above.

# 6 WSDL

The following WSDL is available for Operators message exchange:

```

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

<definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:tns="http://external.webservices.cs.dgita.gov.pt/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns="http://schemas.xmlsoap.org/wsdl/"
  targetNamespace="http://external.webservices.cs.dgita.gov.pt/"
  name="TradersService">
  <types>
  <xsd:schema>
    <xsd:import namespace="http://external.webservices.cs.dgita.gov.pt/"
      schemaLocation="http://www.e-financas.gov.pt/testes-dgaiec/de-ssl/jsp-
      dgaiec/externalWebservice.jsp?external=csqualidadews&xsd=1" />
    </xsd:schema>
  </types>
  <message name="submit">
    <part name="parameters" element="tns:submit" />
  </message>
  <message name="submitResponse">
    <part name="parameters" element="tns:submitResponse" />
  </message>
  <message name="retrieveByMessageId">
    <part name="parameters" element="tns:retrieveByMessageId" />
  </message>
  <message name="retrieveByMessageIdResponse">
    <part name="parameters" element="tns:retrieveByMessageIdResponse" />
  </message>
  <message name="retrieveByMRN">
    <part name="parameters" element="tns:retrieveByMRN" />
  </message>
  <message name="retrieveByMRNResponse">
    <part name="parameters" element="tns:retrieveByMRNResponse" />
  </message>
  <portType name="TradersEndPoint">
  <operation name="submit">
    <input message="tns:submit" />
    <output message="tns:submitResponse" />
  </operation>
  <operation name="retrieveByMessageId">
    <input message="tns:retrieveByMessageId" />
    <output message="tns:retrieveByMessageIdResponse" />
  </operation>
  <operation name="retrieveByMRN">
    <input message="tns:retrieveByMRN" />
    <output message="tns:retrieveByMRNResponse" />
  </operation>
  </portType>
  <binding name="TradersServicePortBinding" type="tns:TradersEndPoint">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"
      />
  <operation name="submit">
    <soap:operation soapAction="" />
  <input>
    <soap:body use="literal" />
  </input>

```

```

<output>
  <soap:body use="literal" />
</output>
</operation>
<operation name="retrieveByMessageId">
  <soap:operation soapAction="" />
<input>
  <soap:body use="literal" />
</input>
<output>
  <soap:body use="literal" />
</output>
</operation>
<operation name="retrieveByMRN">
  <soap:operation soapAction="" />
<input>
  <soap:body use="literal" />
</input>
<output>
  <soap:body use="literal" />
</output>
</operation>
</binding>
<service name="TradersService">
<port name="TradersServicePort" binding="tns:TradersServicePortBinding">
  <soap:address location="http://www.e-financas.gov.pt/testes-dgaiec/de-ssl/jsp-
dgaiec/externalWebservice.jsp?external=csqualidadews" />
</port>
</service>
</definitions>

```

The WSDL is complemented by the following schema:

```

<?xml version="1.0" encoding="UTF-8" ?>
<xs:schema xmlns:tns="http://external.webservices.cs.dgita.gov.pt/"
  xmlns:xs="http://www.w3.org/2001/XMLSchema" version="1.0"
  targetNamespace="http://external.webservices.cs.dgita.gov.pt/">
  <xs:element name="retrieveByMRN" type="tns:retrieveByMRN" />
  <xs:element name="retrieveByMRNResponse" type="tns:retrieveByMRNResponse" />
  <xs:element name="retrieveByMessageId" type="tns:retrieveByMessageId" />
  <xs:element name="retrieveByMessageIdResponse"
    type="tns:retrieveByMessageIdResponse" />
  <xs:element name="submit" type="tns:submit" />
  <xs:element name="submitResponse" type="tns:submitResponse" />
  <xs:complexType name="retrieveByMRN">
  <xs:sequence>
    <xs:element name="receiver" type="xs:string" minOccurs="0" />
    <xs:element name="mrn" type="xs:string" minOccurs="0" />
  </xs:sequence>
  </xs:complexType>
  <xs:complexType name="retrieveByMRNResponse">
  <xs:sequence>
    <xs:element name="return" type="xs:string" minOccurs="0" maxOccurs="unbounded"
      />
  </xs:sequence>
  </xs:complexType>
  <xs:complexType name="retrieveByMessageId">
  <xs:sequence>
    <xs:element name="receiver" type="xs:string" minOccurs="0" />
    <xs:element name="messagesIds" type="xs:string" minOccurs="0"
      maxOccurs="unbounded" />
  </xs:sequence>
  </xs:complexType>
  <xs:complexType name="retrieveByMessageIdResponse">
  <xs:sequence>

```

```
<xs:element name="return" type="xs:string" minOccurs="0" maxOccurs="unbounded"
  />
</xs:sequence>
</xs:complexType>
<xs:complexType name="submit">
<xs:sequence>
  <xs:element name="sender" type="xs:string" minOccurs="0" />
  <xs:element name="messages" type="xs:string" minOccurs="0"
    maxOccurs="unbounded" />
</xs:sequence>
</xs:complexType>
<xs:complexType name="submitResponse">
<xs:sequence>
  <xs:element name="return" type="xs:string" minOccurs="0" maxOccurs="unbounded"
    />
</xs:sequence>
</xs:complexType>
</xs:schema>
```