

Changes to the XML schemas of the web service for direct message exchange

Rev.1.8 change 16.6.2012

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1 Introduction

This document describes the changes that have been introduced to the XML schemas for direct message exchange in version 1.8. These XML schemas are used by customers that use the web service for direct message exchange.

The changes concern version level of the SOAP protocol and the use of the Message Notification Service.

2 Schedule and compatibility

The changes made to the Customs services relating to the version 1.8 of the XML schemas for direct message exchange were released for production on 16 June 2012. Customers can start to use the new functionalities in the production environment according to their schedule. The new functionalities are already available in the customer testing environment of Customs. This does not concern the Message Notification Service, on the introduction of which more information will be available later.

The changes made in this update are backwards compatible. Only those customers who need the new functionality have to implement the updated XML schemas at this stage. More information on the end of the support service for messaging schema versions will be available at a later date, not later than 6 months before the end.

3 Distribution package

The XML schemas of the web service for direct message exchange are distributed as a package, which is available on the Customs website at:

http://www.tulli.fi/fi/yriyksille/sahkoinenasiointi/edi/suora_sanoma_asiointi/index.jsp

The distribution package contains the following files:

- ApplicationMessageTypes.xsd
- ApplicationRequest.xsd
- ApplicationResponse.xsd
- CustomsCorporateService_soap1_1.wsdl
- CustomsCorporateService_soap1_2.wsdl
- EchoContent.xsd
- NotificationService.wsdl
- NotificationService.wsdl
- WsdTypes.xsd
- XMLdsig-core-schema.xsd

This package replaces the files in the previous versions of the distribution package. The changes are described below.

Due to reasons related to uniformity, the value of the attribute indicating the minor version number has been updated to version="v1_8". In the files of the previous distribution package, the minor version number attribute was version="v1_6". All the names or major versions of the

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namespace definitions remain unchanged. The major version of the Namespace definitions is still v1.

4 CustomsCorporateService*.wsdl

Earlier, Customs' service only supported version 1.1. of the SOAP protocol. Now the service provides parallel support to both version 1.1 and version 1.2 of the SOAP protocol.

The address of Customs' service is independent of the version level of the customer's SOAP protocol. The address of the service (xml element of WSDL file <soap:address>) is for customer testing:

```
https://ws-customertest.tulli.fi/services/DirectMessageExchange
```

and for production:

```
https://ws.tulli.fi/services/DirectMessageExchange
```

Instead of the 'CustomsCorporateService.wsdl' file the distribution package contains now two files: CustomsCorporateService_soap1_1.wsdl and CustomsCorporateService_soap1_2.wsdl. More detailed guidance on how to use these files is provided below.

4.1 CustomsCorporateService_soap1_1.wsdl

The 'CustomsCorporateService_soap1_1.wsdl' file replaces the earlier file: CustomsCorporateService.wsdl. The file contains the WSDL description of the SOAP protocol version level 1.1 interface.

The interface has not changed from the earlier. When using the SOAP version level 1.1 interface it is still recommended to set up at HTTPS level the following http headers:

- Content-Type: text/xml; charset=UTF-8
- soapAction: ""

Please also note that the SOAP envelope namespace definition must be "http://schemas.xmlsoap.org/soap/envelope/". A SOAP message should begin, for example as follows:

```
<?xml version="1.0" encoding="UTF-8"?>  
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

4.2 CustomsCorporateService_soap1_2.wsdl

The 'CustomsCorporateService_soap1_2.wsdl' file is new. The file contains the WSDL description of the SOAP protocol version level 1.2 interface.

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The interface is new and it enables SOAP version level 1.2 in the customer software. When using the SOAP version level 1.2 interface it is recommended to set up at HTTPS level the following http headers:

- Content-Type: application/soap+xml; charset=UTF-8

Please also note that the SOAP envelope namespace definition must be "http://www.w3.org/2003/05/soap-envelope". A SOAP message should begin, for example as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope">
```

5 NotificationService.wsdl and NotificationTypes.xsd

From this version on, the distribution package contains new files NotificationService.wsdl and NotificationTypes.xsd.

The files are not related to *Customs*' web service for direct message exchange, instead, they describe the SOAP interface of customer's web service-based Message Notification service.

The message notification is intended for customers who aim at a short response time for fetching messages. For this customer group the 5-minute question frequency allowed for a DownloadList operator might be too long.

Message Notification service is not yet production-ready and information on the commencement date and on the introduction of the service will provided later in the next revision of *Message exchange with Finnish Customs: Technical guidebook*. The estimated date for production use commencement is in autumn 2012.