INSTRUCTIONS FOR THE

"SDICOOP - RICEZIONE" SERVICE

VERSION 3.0

INDEX

1.   INVOICES

1.1   GLOSSARY

In the paragraph 1, the following terms are used with the meanings given below:

- **addressee**: subject, whether buyer/orderer or third party intermediary to which the *ES* must send the invoice file received from the *transmitter*;

- **fatturaPA file**: file conforming to the specifications of the fatturaPA format published on the website www.fatturapa.gov.it;

- **fatturaB2B file**: file conforming to the specifications of the fattura B2B format published on the AE website, annex-A of provision of 30 april 2018 (FPR12 format);

- **fattura simplified file**: file conforming to the specifications of the fattura B2B format published on the AE website, annex-A of provision of 30 april 2018 (FSM10 format);

- **metadata file**: file containing certain main reference data of invoice file; the ES sends this file to *addressee*, along with invoice file*;*

- **message files**: files conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it;

- **archive file**: compressed file (.zip) containing one or more invoice file;

- **interface**: what the *web-service* displays for interacting with the other system;

- **deadline passed notification**: valid only for *fatturaPA file,* it's the communication that the *ES* sends to both the *transmitter* and to the *addressee* if 15 days have passed without having received a *client outcome notification;*

- **client-outcome notification**: valid only for *fatturaPA file,* it's the communication that the *addressee* sends to the *ES* to explain the acceptance or refusal of each single invoice contained in the file received;

- **client-outcome rejection**: valid only for *fatturaPA file,* it's the message sent by the ES to the *addressee* to inform the latter of an inadmissible or non-conforming situation relative to the *customer outcome notification*;

- **service**: within the sphere of the service for Electronic Invoicing to the Public Administration, the term service refers to one of the channels provided by the ES for the interoperability of the systems in the management of the transmission and receipt of the invoice files and of the *message files;*

- **ES**: the Exchange System, i.e. the structure introduced by the Ministry of Economy and Finance by which electronic invoices are sent to the Public Administration (Art.1, section 211, of Italian law n° 244 of 24 December 2007);

- **transmitter**: subject, whether seller/provider or third party intermediary, which transmits the invoice file or the *archive file* to the ES;

- **web-service**: software system which can guarantee the interoperability between systems in the same network.

1.2 *SDICOOP – RICEZIONE* SERVICE

This document contains the instructions necessary to interact with the Exchange System through the *SDICoop* Service in the role of addressee.

The service allows the addressee, by means of a cooperation application channel, to:

- receive an invoice file from the ES;

- only for fatturaPA files, send the ES the client-outcome notifications relative to every invoice contained in the files received;

- only for fatturaPA files, receive a client-outcome rejection.

In particular, the *SDICoop – Ricezione* Service is composed of two different web-services:

- **RicezioneFatture** (Invoice receipt): available to the addressee, this service deals with receipt of the invoice files sent by the ES, considering different transmission layout (FPR12, FPA12, FSM10);

- **SdlRiceviNotifica** (ES receipt notification): available to the ES, this service provides for receiving the client-outcome notification and returning a possible client-outcome rejection.

The figure below illustrates the two web-services with the operations available in each interface.
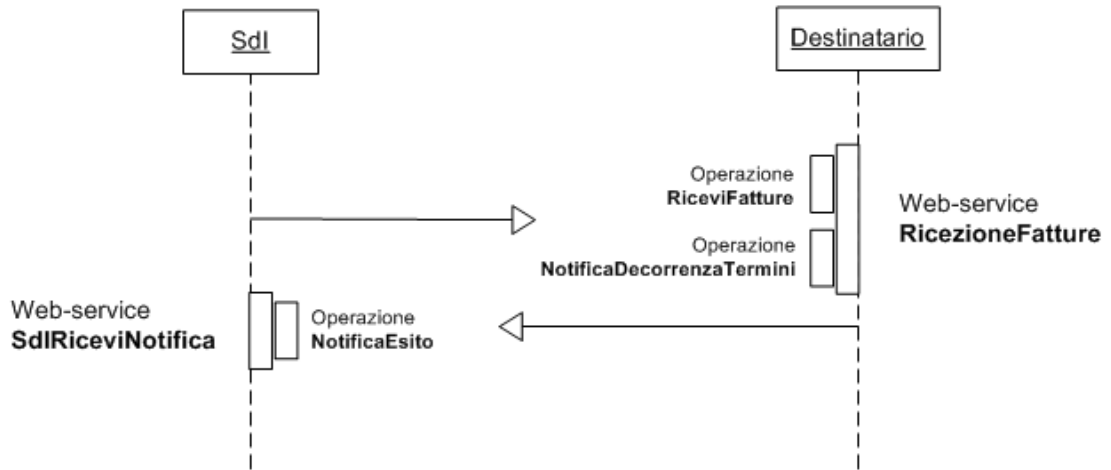
***SDICoop - Ricezione* service**

For each web-service, the *SOAP Request* and the *SOAP Response* relative to each operation are illustrated below with detail of the structure of the single messages.

Key of symbols used below

🔵	Web-service
✳	Transaction
▷	Input
◁	Output
⬜	Tag name
e	Element name
🔷	Element type
ⓐ	Version

NB:

The *wsdl* and *xsd* files referred to hereafter can be found, together with a copy of this document, in the *RichiestaAccreditamento.zip* file produced by means of the specific registration procedure of the available channel on the site www.fatturapa.gov.it.

The undersigning of the Channel Registration Request implies full acceptance of the technical rules described herein.

1.3   THE *RICEZIONEFATTURE* WEB-SERVICE

The *RicezioneFatture* web-service is available to the addressee.

It involves two operations. With the first:

- it receives as input an invoice file and the relative metadata material, respecting invoice type (FPA12, FPR12, FSM10);

- as output, it returns an acceptance outcome.

With the second:

- it receives a possible deadline-passed notification, for only fatturaPA files.

Description of the interface

The interface which must be used for the *RicezioneFatture* web-service is described in the file **RicezioneFatture_v1.0.wsdl.**

| RicezioneFatture		
RiceviFatture		
input	parametersIn	fileSdIConMetadati
output	parametersOut	rispostaRiceviFatture
NotificaDecorrenzaTermini		
input	parametersNotifica	fileSdI

1.3.1 RICEVIFATTURE OPERATION

The *RiceviFatture* operation deals with receiving the invoice file forwarded by the ES with the relative metadata file, considering different transmission layout (FPA12, FPR12, FSM10).

1.3.1.1 Request

The SOAP request has the following structure:
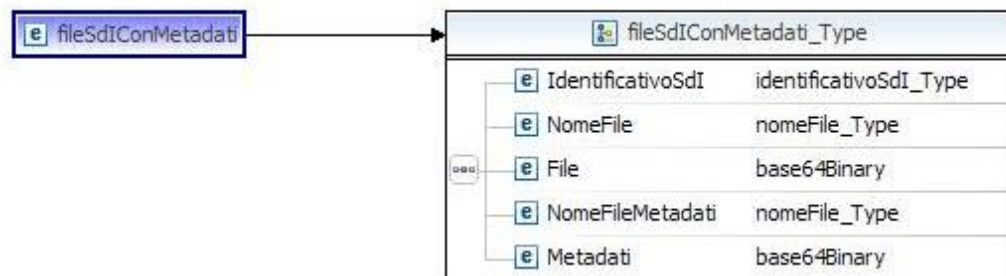
The input parameters are described below:

Parameter	Description
IdentificativoSdI	Identification assigned by the ES to the file
NomeFile	Name of the file to be received
File	Attachment containing the invoice file, or the archive file, converted into base64Binary, conforming to the xsd format of the "*Fattura[1]*".
NomeFileMetadati	Name of the metadata file relative to the fatturaPA file to be received
Metadati	Attachment containing the metadata file, converted into base64Binary, conforming to the xsd format of the "*metadata notification of the invoice file to the addressee[2]*"

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[1] conforming to the indications in the implementation specifications of provision 30 april 2018 published on the site www.agenziaentrate.gov.it.
[2] conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it (FPA) or of annex A of the implementation specifications of provision 30 april 2018 published on the site www.agenziaentrate.gov.it (FPR, FSM)

The types referred to are defined in the file **RicezioneTypes_v1.0.xsd**.

1.3.1.2 Response

The SOAP response has the following structure:
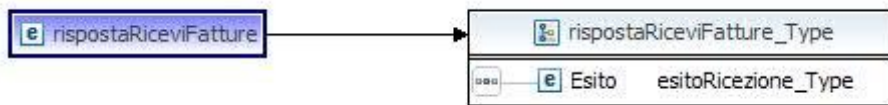
The output parameters are described below:

Parameter	Description
Outcome	The outcome of the receipt. This can have one of the following values: **ER01** = accepted for processing

The types referred to are defined in the file **RicezioneTypes_v1.0.xsd**.

1.3.2   NOTIFICADECORRENZATERMINI (DEADLINE PASSED NOTICE) OPERATION

The *NotificaDecorrenzaTermini* operation allows the *addressee* to receive a message file containing a deadline-passed notification for every invoice document, present in the fatturaPA file received previously.

1.3.2.1 Request

The SOAP request has the following structure:
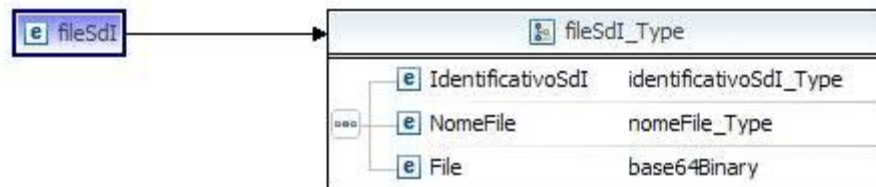
The input parameters are described below:

Parameter	Description
IdentificativoSdI	Identity assigned to the file by ES
NomeFile	The name of the deadline-passed notification file
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the "*Deadline-passed notification*[3]".

The types referred to are defined in the file **RicezioneTypes_v1.0.xsd**.

The operation *NotificaDecorrenzaTermini* **does not** involve a *SOAP response*.

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[3] conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it;

1.4 THE *SDIRICEVINOTIFICA* WEB-SERVICE

The *SdIRiceviNotifica* web-service is available to the ES.

It:

- receives as input the client-outcome notification for every invoice contained in the file forwarded to the addressee;

- returns as output any client-outcome rejection.

Description of the interface

The interface which must be used for the *SdIRiceviNotifica* web-service is described in the file **SdIRiceviNotifica_v1.0.wsdl.**
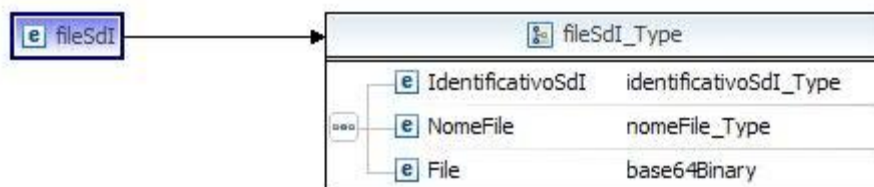

1.4.1 *NOTIFICAESITO (OUTCOME NOTICE) OPERATION*

The *SdIRiceviNotifica* web-service has only one operation, *NotificaEsito*.

1.4.1.1 Request

The SOAP request has the following structure:

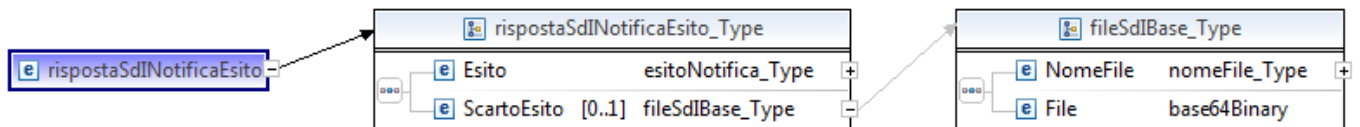
The input parameters are described below:

Parameter	Description
IdentificativoSdI	Identity assigned to the file by ES
NomeFile	The name of the client-outcome notification file
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the "*Client outcome notification*[4]".

The types referred to are defined in the file **RicezioneTypes_v1.0.xsd**.

1.4.1.2 Response

The SOAP response has the following structure:

The output parameters are described below:

Parameter	Description
Outcome	The outcome of the notification. This can have one of the following values: **ES00** = notification not accepted **ES01** = notification accepted **ES02** = service not available
ScartoEsito	This is composed of two elements: *NomeFile*: containing the name of the file in the following

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[4] conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it;

	element;
	File: containing the message file converted into base64Binary, conforming to the xsd format of the "*Client outcome rejection notice*[5]". The attachment is present only in the Outcome has the value **ES00**

The types referred to are defined in the file **RicezioneTypes_v1.0.xsd**.

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[5] conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it;

2. INVOICE DATE AND VAT SETTLEMENT

2.1 GLOSSARY

In the paragraph 2, the following terms are used with the meanings given below:

- **file:** xml file conforming to the specifications of the *file* format published on the website www.agenziaentrate.gov.it ;

- **message file**: file conforming to the specifications of the format published on the website www.agenziaentrate.gov.it;

- **archive file**: compressed file containing one or more *files*;

- **interface**: what the *web-service* displays for interacting with the other system;

- **outcome notification (rejection/acceptance)**: communication that the *transmitter* retrieves by calling the service that certifies the result of file checks;

- **ES**: the Exchange System, i.e. the structure introduced by the Ministry of Economy and Finance by which electronic invoices are sent to the Public Administration (Art.1, section 211, of Italian law n° 244 of 24 December 2007). Furthermore ES deals with management of transmissions channels;

- **Receiving System:** system for hosting and processing files;

- **Transmitter** *file*: subject, whether seller/provider or client or third party intermediary, wich transmits the *file* or *archive file* to *Receiving System*.

2.2 *SDIDATI* SERVICE

This section contains the instructions necessary to interact with the Receiving System by *SDIDati* Service in the role of Transmitter file.

The Service (realized through web service **SdlTrasmissioneFile)** allows the transmitter, by means of a cooperation application channel, to:

- send a file or archive file to Receiving System;

- recover from Receiving System the messages about transmitted files.

The figure below illustrates the web-services with the operations available.
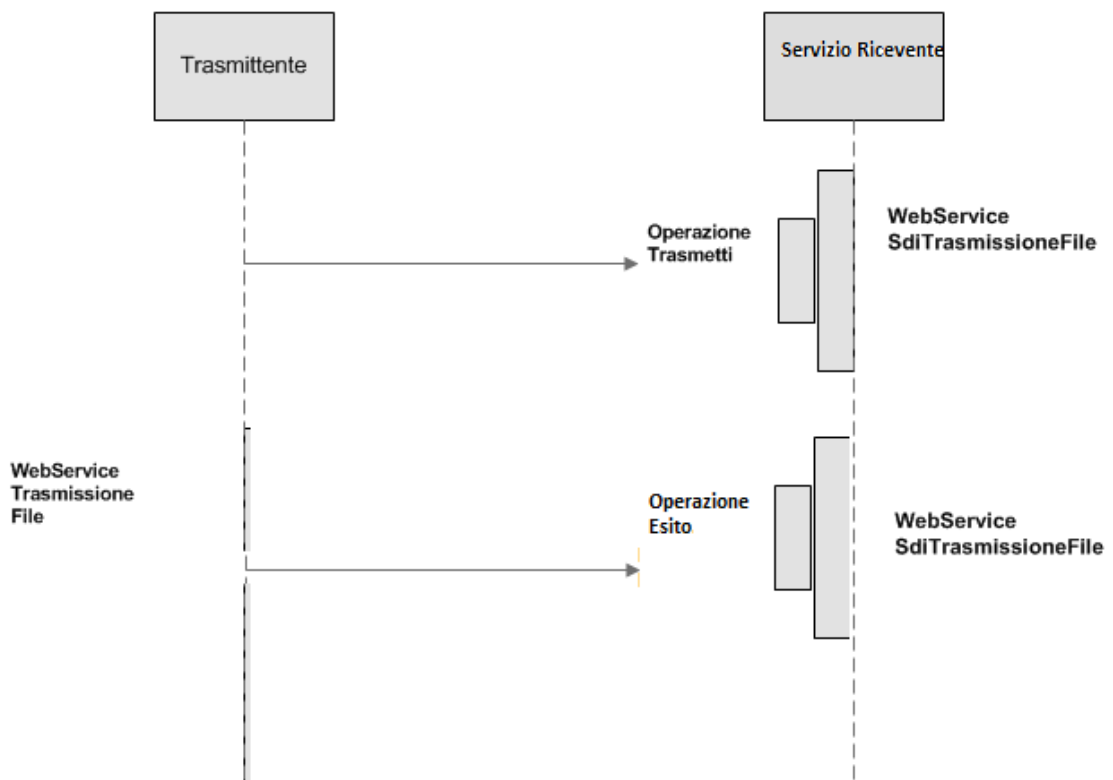
For web-service, the *SOAP Request* relative to each operation is illustrated below with detail of the structure of the single messages.

Key of symbols used below

Web-service

Transaction

Input

Output

Tag name

Element name

Element type

Version

NB:

The *wsdl* and *xsd* files referred to hereafter can be found, together with a copy of this document, in the "Registration Application" file produced by means of the specific registration procedure of the available channel on the site www.fatturapa.gov.it.

The undersigning of the Channel Registration Request implies full acceptance of the technical rules described herein.

2.3 *SDITRASMISSIONEFILE* **WEB-SERVICE**

The *SdITrasmissioneFile* web-service is exposed by Receiving System.

It:

- receives, as input, a file or an archive file;

- returns, as output, an identifier of the file transmitted and the date/time of receipt, or an error code.

Description of the interface

The interface wich must be used for the web-service *SdITrasmissione* is described in the file **SdITrasmissioneFile_v2.0.wsdl**.

| SdITrasmissioneFile		
Trasmetti		
input	file	File_Type
output	rispostaFile	RispostaFile_Type
Esito		
input	esito	Esito_Type
output	rispostaEsito	RispostaEsito_Type

The web-service *SdITrasmissioneFile* contemplates both the *Trasmetti* operation and the *Esito* operation.

2.3.1 *TRASMETTI OPERATION*

The web-service *SdITrasmissioneFile* contemplates the reception of file sent by the transmitter.

2.3.1.1 Request

The SOAP request has the following structure:
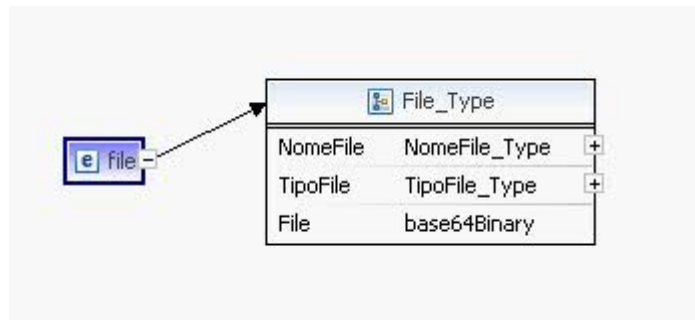
The input parameters are described below:

Parametro	Descrizione
NomeFile	Name of the file to be transmitted
TipoFile	Type of the file to be transmitted; the values allowed are defined to paragraph 2.3.3
File	Attachment containing the file, converted into base64Binary conforming to the xsd format of the "File[6]".

The types referred to are defined in the file **TrasmissioneFileTypes_v2.0.xsd**

2.3.1.2 Response

The SOAP response has the following structure:
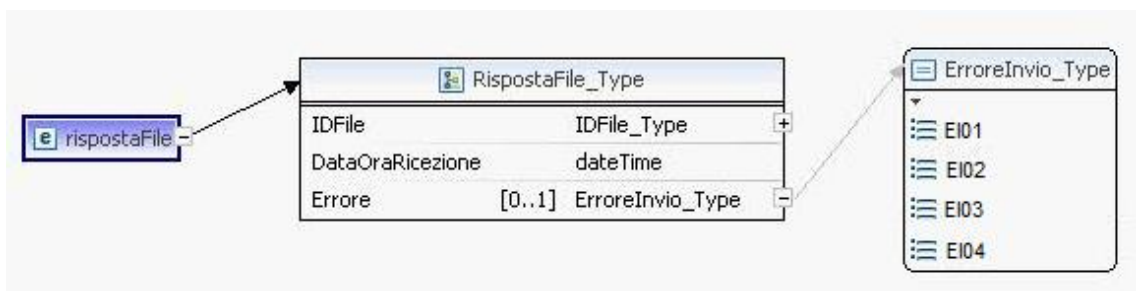
The output parameters are described below:

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[8] conforming what is indicated in the implementation specifications of the File format published on the web-site www.agenziaentrate.gov.it.

Parametro	Descrizione
IDFile	Identification assigned by Receiving System to the file transmitted
DataOraRicezione	Date and time of receipt on the part of Receiving System
Errore	Possible transmission error that has occurred. This can have one of the following values: **EI01** = attached file is empty **EI02** = service momentarily unavailable **EI03** = unauthorized user **EI04** = file type not correct

The types referred to are defined in the file
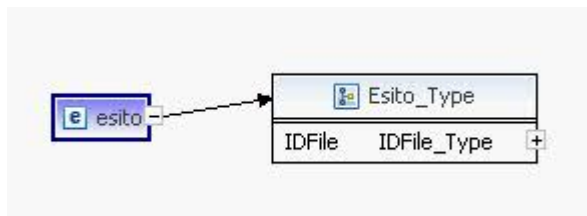**TrasmissioneFileTypes_v2.0.xsd**.

2.3.2   ESITO OPERATION

The web-service *SdITrasmissioneFile*   contemplates   the recovery of the
outcome of files sent by the transmitter.

2.3.2.1 Request
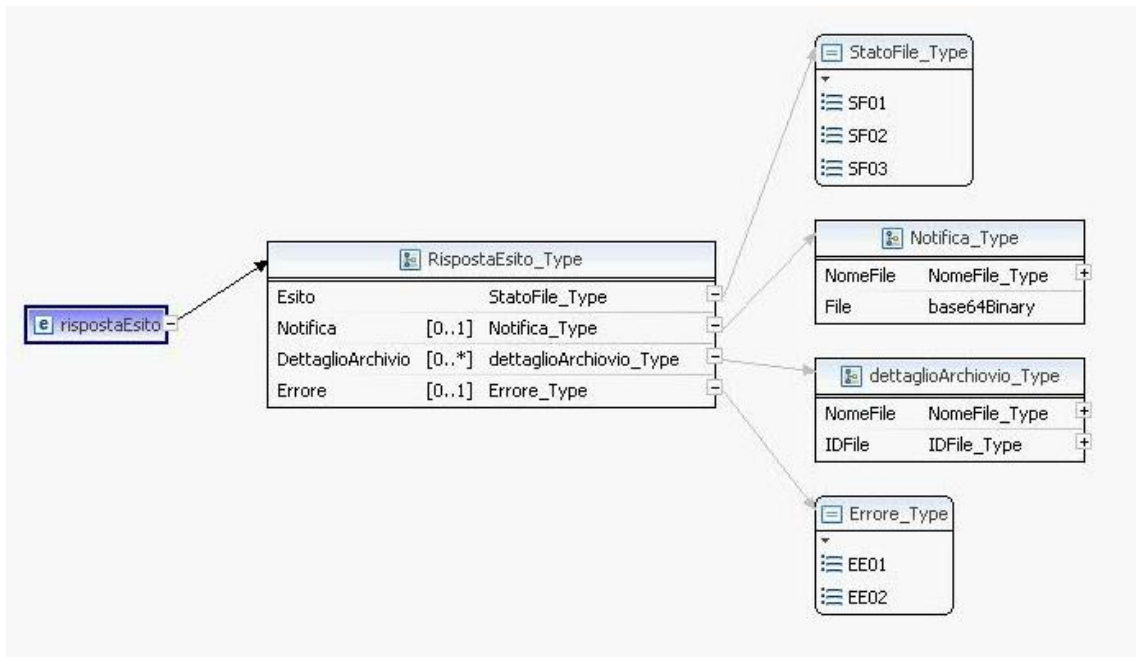
The SOAP request has the following structure:

The output parameters are described below:

Parametro	Descrizione
IDFile	Identification assigned by Receiving System to the file transmitted

2.3.2.2 Response

The SOAP response has the following structure:

The output parameters are described below:

Parametro	Descrizione
Esito	File status. This can have one of the following values: **SF01** = In processing **SF02** = Processed **SF03** = Error
Notifica	Attachment containing the message file converted into base64Binary, conforming to the TrasmissioneFileTypes_v2.0.xsd schema
DettaglioArchivio	Name of the file and identity assigned to the sent file by Receiving System
Errore	Possible transmission error that has occurred. This can have one of the following values: **EE01** = service unavailable **EE02** = unauthorized user

2.3.3 TYPE OF FILE

The available types of file for transmission are described below:

Value	Description
DF	Invoice Data file or Invoice Data archive file
LI	VAT settlement file or VAT settlement archive file
FL	Archive file containing Invoice Data and VAT settlement