INSTRUCTIONS FOR THE

"SDICOOP - TRASMISSIONE" SERVICE

VERSION 3.0

INDEX

1. INVOICES

1.1 GLOSSARY

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

- **proof of invoice transmission**: valid only for *fatturaPA file*, it's the communication that the *ES* sends to *transmitter* (after 10 days from undeliverable file notification) to report definitive inability to deliver the *fatturaPA file* to *addressee*;

- **addressee**: subject, whether buyer/orderer or third party intermediary to which the *ES* must send the *fatturaPA file* (PA 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;

- **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;

- **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);

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

- **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;*

- **outcome notification**: valid only for *fatturaPA file,* it's the communication that the *ES* forwards to the *transmitter,* containing the output described by the *addressee* in the *client outcome notification*;

- **undeliverable file notification**: valid only for *fatturaPA file,* it's the communication that the *ES* forwards to the *transmitter,* to report the definitive impossibility of delivering to the *addressee* the *fatturaPA file*;

- **failed delivery notification**: valid only for *fatturaPA file,* it's the communication that the *ES* forwards to the *transmitter,* to report the temporary impossibility of delivering to the *addressee* the *fatturaPA file*;

- **rejection notification**: valid only for *fatturaPA file,* it's the communication that the *ES* sends to the *transmitter* if the file transmitted (*fatturaPA file* or *archive file*) has not passed the contemplated checks;

- **delivery notification**: communication that the *ES* sends to the *transmitter* to certify the delivery to the *addressee* of the *fatturaPA file*; it's valid both for PA and B2B. The schemas of these notifications are different;

- **rejection receipt**: valid only for *fatturaB2B file* and *fattura simplified file,* it's the communication that the *ES* sends to the *transmitter* if the file transmitted has not passed the contemplated checks;

- **impossibility of delivery receipt**: valid only for *fatturaB2B file* and *fattura simplified file,* it's the communication that the *ES* sends to the *transmitter* to report impossibility of delivering invoice and its deposit in *addressee* reserved area;

- **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 *fatturaPA 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 *fatturaPA 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 – TRASMISSIONE* SERVICE

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

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

- send the fatturaPA file, fattura B2B file or fattura simplified file to the ES;

- receive messages from the ES relative to the files transmitted, considering that the format of messages depends on type of transmitted invoice (FPA12, FPR12, FSM10).

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

- **SdlRiceviFile**: available to the ES, this service deals with receiving the files sent by the transmitter;

- **TrasmissioneFatture**: available to the transmitter, this service deals with receiving the messages sent by the ES;

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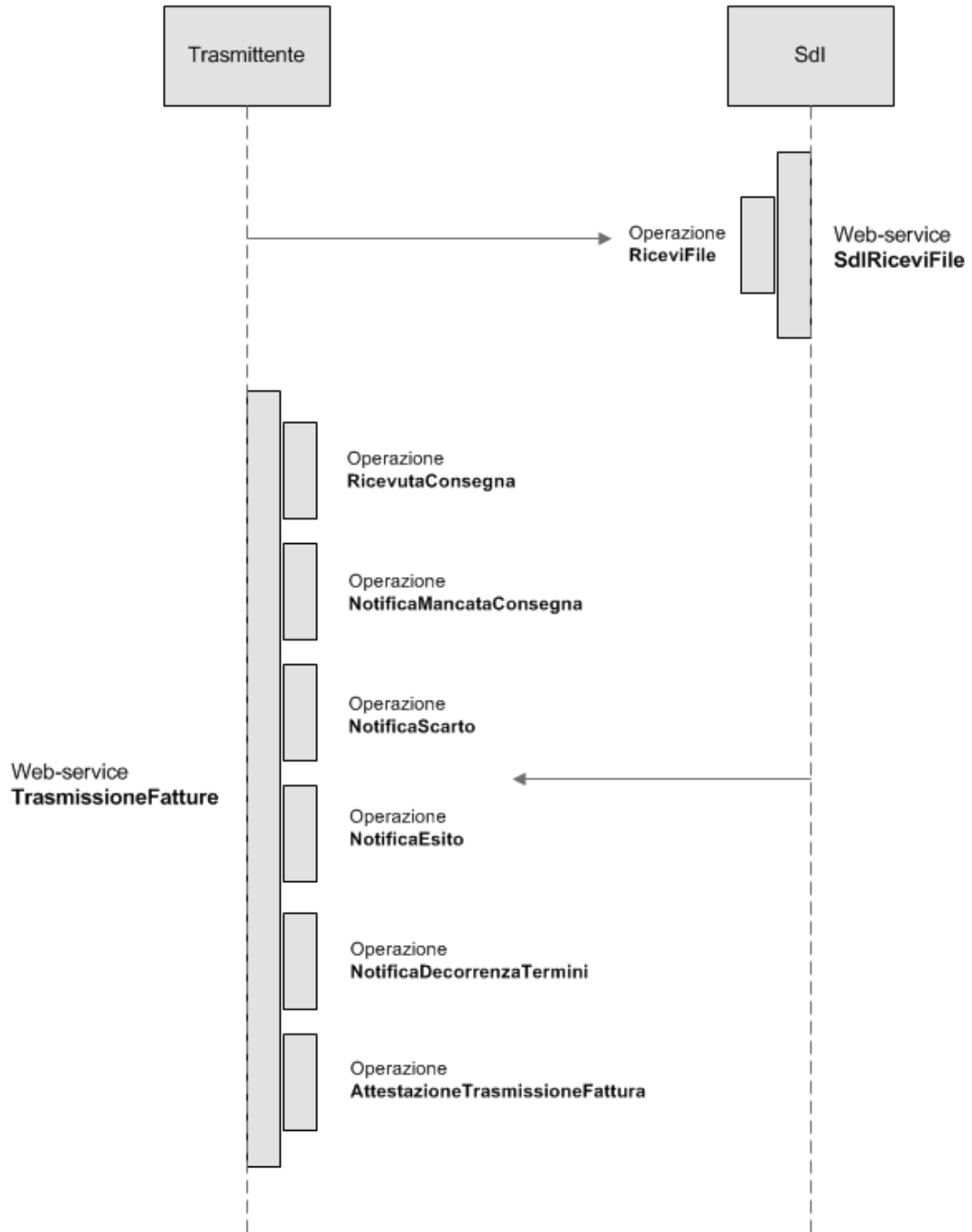
SDICoop - Transmission service

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
	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.

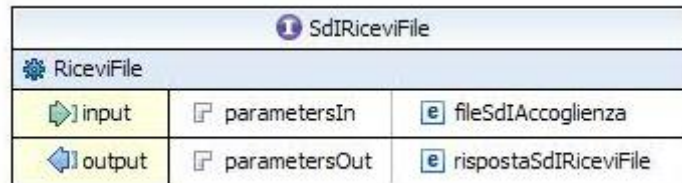## 1.3 THE *SDIRICEVIFILE* (FILE RECEIPT) WEB-SERVICE

The *SdIRiceviFile* web-service is available to the Exchange Service.
It:

- receives as input the invoice file or an archive file;

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

Description of the interface

The interface which must be used for the web-service *SdiRiceviFile* is described in the file **SdIRiceviFile_v1.0.wsdl.**

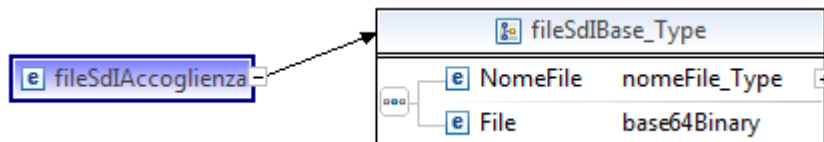| SdIRiceviFile		
⚙ RiceviFile		
▷ input	⊡ parametersIn	e fileSdIAccoglienza
◁ output	⊡ parametersOut	e rispostaSdIRiceviFile

1.3.1   RICEVIFILE OPERATION

The web-service *SdIRiceviFile* involves a single operation, *RiceviFile,* for receiving the files sent by the transmitter.

1.3.1.1 Request

The SOAP request has the following structure:

The input parameters are described below:

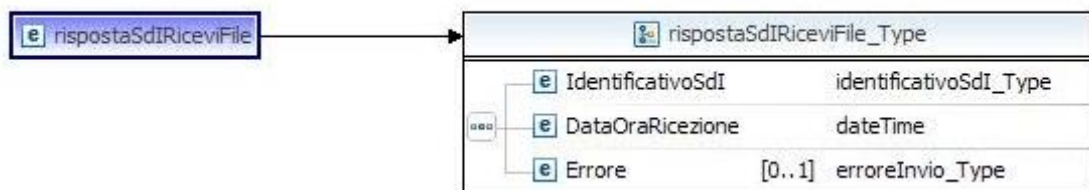| Parameter	Description
NomeFile	Name of the file to be transmitted
File	Attachment containing the invoice file, or the archive file, converted into base64Binary, conforming to the xsd format of the invoice[1].

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[1] conforming to what is indicated in the implementation specifications of provision 30 april 2018 published on the site www.agenziaentrate.gov.it.

The types referred to are defined in the file **TrasmissioneTypes_v1.0.xsd**.

1.3.1.2 Response

The SOAP response has the following structure:

The output parameters are described below:

Parameter	Description
IdentificativoSdI	Identification assigned by the ES to the file transmitted
DataOraRicezione	Date and Time of receipt on the part of the ES
Error	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

The types referred to are defined in the file **TrasmissioneTypes_v1.0.xsd**.

1.4 THE *TRASMISSIONEFATTURE* (INVOICE TRANSMISSION) WEB-SERVICE

The *TrasmissioneFatture* web-service must be available to the transmitter. It involves five operations which allow for receiving the following message files:

- Delivery receipt, with distinct layout between PA and B2B;

- Failed-delivery notification for PA, coincident with Impossibility of delivery receipt for B2B;

- Rejection notification for PA, coincident with Rejection receipt for B2B;

- Outcome notification, only for PA;

- Deadline-passed notification, only for PA;

- Proof of invoice transmission with impossibility of delivery, only for PA.

Description of the interface

The interface which must be used for the web-service *TrasmissioneFatture* is described in the file **TrasmissioneFatture_v1.1.wsdl**.

1.4.1 RICEVUTACONSEGNA (DELIVERY RECEIPT) OPERATION

The *RicevutaConsegna* operation allows the transmitter to receive a message file containing the delivery receipt for every invoice file that the ES delivers to the addressee; the layout of receipt is different if referred to PA rather than B2B (see annex-A of provision 30 april 2018).

1.4.1.1 Request

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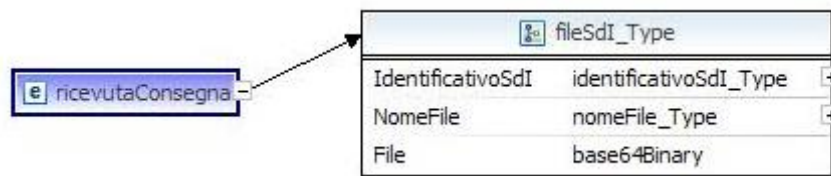
The input parameters are described below:

Parameter	Description
IdentificativoSdI	Identity assigned to the file by ES
NomeFile	Name of the delivery receipt file
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the *"File delivery to addressee receipt notification[2]"*.

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

The operation *RicevutaConsegna* **does not** contemplate a *SOAP Response*.

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[2] conforming to the indications of annex A of the technical specifications of provision 30 april 2018 published on the website www.agenziaentrate.gov.it;
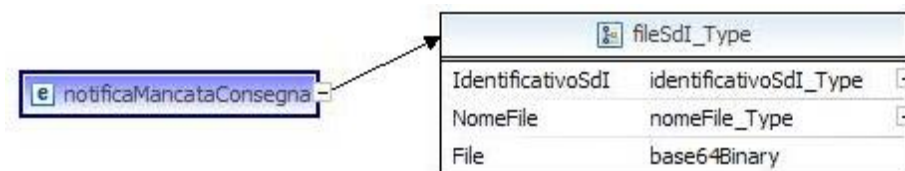
1.4.2 NOTIFICAMANCATACONSEGNA (FAILED-DELIVERY NOTICE) OPERATION

The *NotificaMancataConsegna* operation allows the transmitter to receive a message file containing a failed-delivery notification for every fatturaPA file that the ES does not succeed in delivering to the addressee. On this operation is also returned the Impossibility of delivery receipt (for invoice B2B), with its own layout.

1.4.2.1 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 failed-delivery notification file
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the *"Failed delivery notification/Impossibility delivery receipt [3]"*.

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

The operation *NotificaMancataConsegna* **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 (for fatturaPA file) or of annex A of the technical specifications of provision 30 april 2018 published on the website www.agenziaentrate.gov.it (for fatturaB2B file);

1.4.3 NOTIFICASCARTO (REJECTION NOTICE) OPERATION

The *NotificaScarto* operation allows the transmitter to receive a message file containing a rejection notification for every invoice file or every archive file that has not passed the ES checks. On this operation is also returned the Rejection receipt (for invoice B2B), with its own layout.

1.4.3.1 Request

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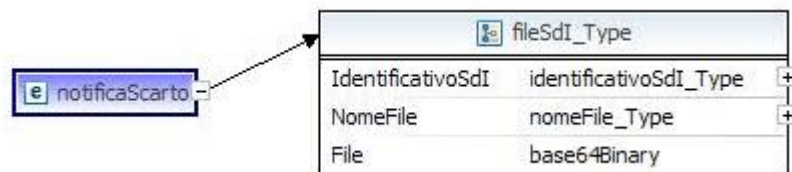
The input parameters are described below:

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

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

The operation *NotificaScarto* **does not** involve a *SOAP Response*.

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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 (for fatturaPA file) or of annex A of the technical specifications of provision 30 april 2018 published on the website www.agenziaentrate.gov.it (for fatturaB2B file);

1.4.4 NOTIFICAESITO (OUTCOME NOTICE) OPERATION

The *NotificaEsito* operation allows the transmitter to receive a message file containing an outcome notification for every invoice document, present in the fatturaPA file, delivered to the addressee and for which the addressee has communicated an outcome to the ES.

1.4.4.1 Request

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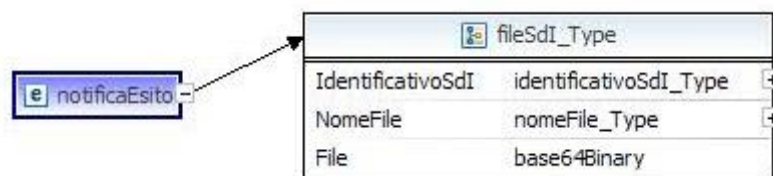
The input parameters are described below:

Parameter	Description
IdentificativoSdI	Identity assigned to the file by ES
NomeFile	The name of the outcome notification file
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the "*Outcome notification (Seller)*[5]".

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

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

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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;

1.4.5 NOTIFICADECORRENZATERMINI (DEADLINE PASSED NOTICE) OPERATION

The *NotificaDecorrenzaTermini* operation allows the transmitter to receive a message file containing a deadline-passed notification for every invoice document, present in the fatturaPA file delivered to the addressee, for which, after the time limit, the ES has not received any outcome from the addressee.

1.4.5.1 Request

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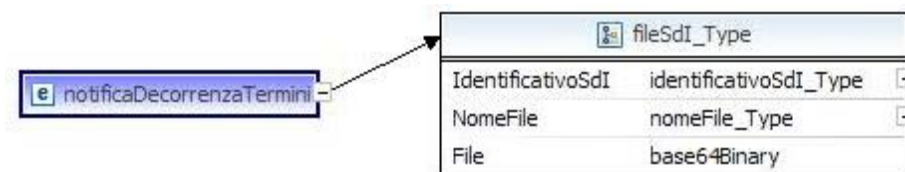
The input parameters are described below:

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[6]*".

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

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

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[6] conforming to the indications of annex B-1 of the implementation specifications of the technical rules published on the website www.fatturapa.gov.it;
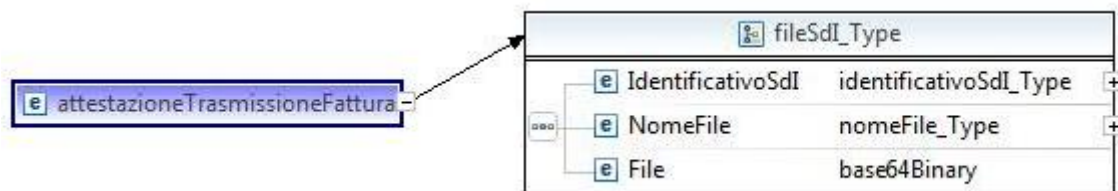
1.4.6 ATTESTAZIONETRASMISSIONEFATTURA (PROOF OF INVOICE TRANSMISSION WITH IMPOSSIBILITY OF DELIVERY) OPERATION

The *AttestazioneTrasmissioneFattura* operation allows the transmitter to receive a message file containing proof of invoice transmission with impossibility of delivery for every fatturaPA file for which delivery to the addressee within the maximum deadline was not possible.

1.4.6.1 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 proof of invoice transmission with impossibility of delivery
File	Attachment containing the message file, converted into base64Binary, conforming to the xsd format of the "*Proof of invoice transmission with impossibility of delivery*[7]".

The types referred to are defined in the file **TrasmissioneTypes_v1.1.xsd**.

The A*ttestazioneTrasmissioneFattura* operation **does not** involve a *SOAP Response*.

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[7] 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.
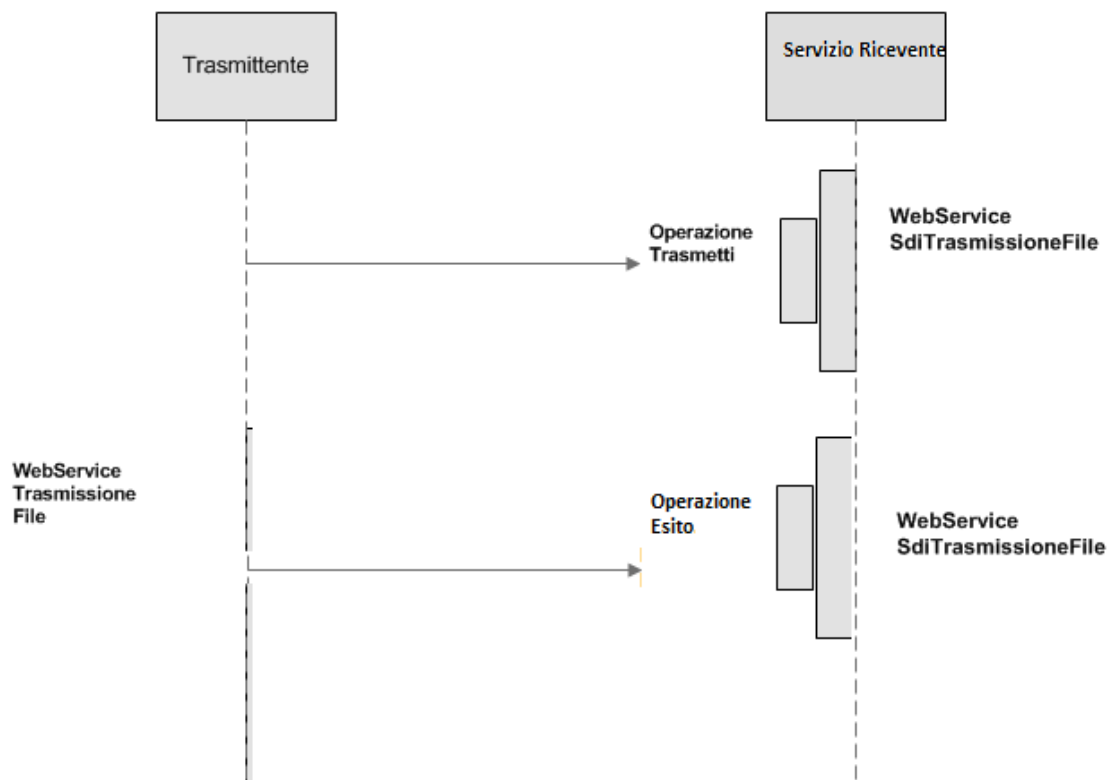
For web-service, the *SOAP Request* relative to each operation is illustrated below with detail of the structure of the single messages.

Key of symbols used below

🔵	Web-service
✳️	Transaction
▷	Input
◁	Output
⬒	Tag name
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 "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 *SdITrasmissioneFile* web-service contemplates both the *Trasmetti* operation and the *Esito* operation*.*

2.3.1   TRASMETTI OPERATION

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

2.3.1.1 Request

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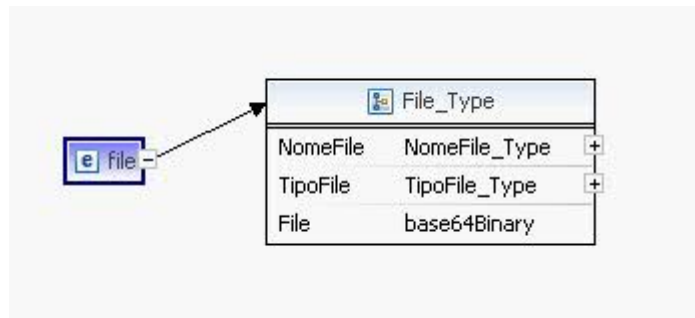
The input parameters are described below:

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[8]".

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:
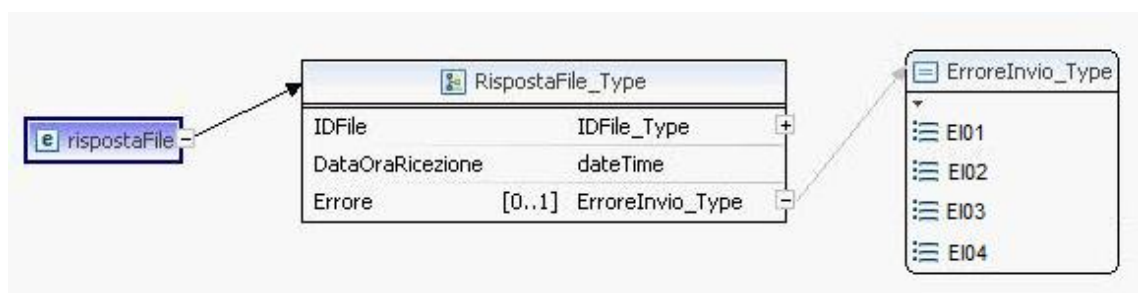
The output parameters are described below:

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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**
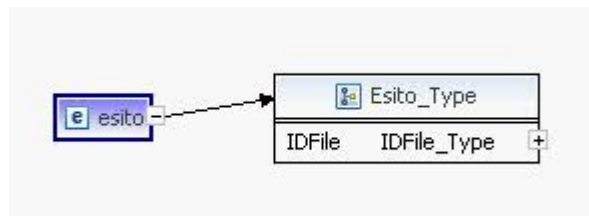
2.3.2 ESITO OPERATION

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

2.3.2.1 Request

The SOAP request has the following structure:

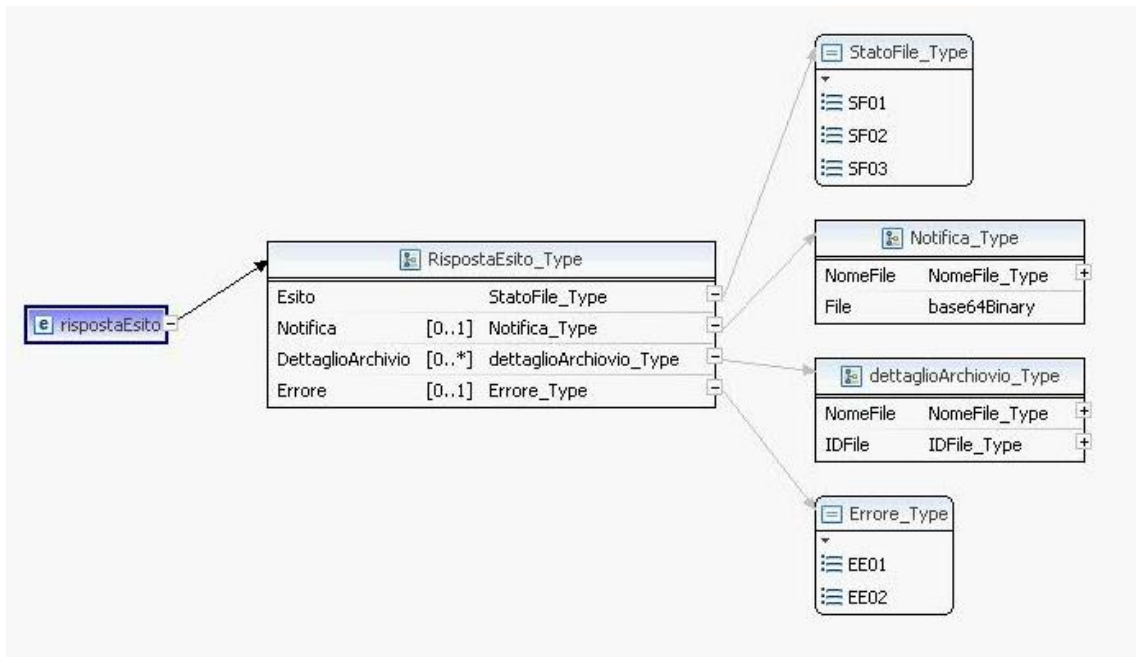The output parameters are described below:

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