



# AFIP-SDG SIT DI INAD

WebService  
WGesInfAntlataXFFM

DEVELOPER'S MANUAL

Flight advanced information  
Transference  
of the flight  
manifest document XFFM  
(Flight Manifest Message)

Revision on June 24, 2019



## Historial de modificaciones

See	Date	Edition	Description
1.0	08/04/2014	A. Giménez	Initial version of the document.
1.1	11/04/2014	A. Giménez	Corrections: URL address of the Service, NameSpace and Prerequisite considerations.
1.2	26/06/2014	A.Gimenez	Corrections: Data Type NroTransaccion. Error Code Table.
1.3	27/08/2014	A.Gimenez	Corrections: The name of the XFFM property is changed to FlightManifest in the ReqInfAntlataXFFM structure
1.4	26/09/2014	A.Gimenez	Error message #: 42034 is added.
1.5	24/02/2015	A.Gimenez	The Prefix (IATA Code of the airline) is included in the Authentication property.TipoAgente
1.6	24/06/2019	L. Alanis	Error messages are added.



## Contenido

<b>BACKGROUND</b> .....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
<b>INTRODUCTION</b> .....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
OBJECTIVE AND SCOPE.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
PREREQUISITES.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
<b>BUSINESS WS</b> .....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>

SERVICE SPECIFICATIONS.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
STRUCTURES.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
PROPERTIES OF THE AUTHENTICATION STRUCTURE.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>
ERRORS / DESCRIPTION, USER AUTHENTICATION.....	;	<b>ERROR! MARCADOR NO DEFINIDO.</b>

WEBMETHODS.....	9
<i>InfAntIataXFFM</i> .....	9
<i>Dummy</i> .....	14



## BACKGROUND

## INTRODUCTION

General Resolution Nro.: 3596

### **OBJECTIVE AND SCOPE**

To introduce the guidelines to use of the WS “wGesInfAntlataXFFM” and transfer the advanced information of the XFFM document (Flight Manifest Message)

### **PREREQUISITES:**

In order to use the WS, AFIP has another authentication WS where you must previously request the Connection ticket with which the entry to the business WS will be validated.

Information on how to request the ticket and the corresponding certificates can be found in the following links:

- General Considerations <http://www.afip.gob.ar/ws/#wes>
- WSAA - Authentication and Authorization WebService  
<http://www.afip.gob.ar/ws/#WSAA>

For any questions regarding the approval of the WS Authentication and Authorization process, send an email to the following address [webservices@afip.gob.ar](mailto:webservices@afip.gob.ar)

### **Considerations:**

*The name of the Service to request the Token and Signature must be all lowercase (wgesinfantiataxffm).*



## BUSINESS WS

### SERVICE SPECIFICATIONS

Name	wGesInfAntlataXFFM.asmx				
NameSpace	ar.gob.afip.dia.serviciosWeb.wGesInfAntlataXFFM				
Location	Testing	<a href="https://testdia.afip.gob.ar/Dia/Ws/wGesInfAntlataXFFM/wGesInfAntlataXFFM.asmx">https://testdia.afip.gob.ar/Dia/Ws/wGesInfAntlataXFFM/wGesInfAntlataXFFM.asmx</a>			
	Production	<a href="https://Servicios1.afip.gob.ar/Dia/Ws/wGesInfAntlataXFFM/wGesInfAntlataXFFM.asmx">https://Servicios1.afip.gob.ar/Dia/Ws/wGesInfAntlataXFFM/wGesInfAntlataXFFM.asmx</a>			
WebMethods	InfAntlataXFFM	Description	Transferencia del Documento XFFM		
		Entry parameters	Parameters	Description	Type
			argAutentica	Authentication	Authentication
			argInfAntlataXFFM	Transaction and. FlightManifest No.	ReqInfAntlataXFFM
	Exit results	InfAntlataXFFM Response	Acknowledgment of receipt Doc.XFNM	String	
	Dummy	Description	Returns the structure state		
Exit results		Structure WSDummyResponse			



## STRUCTURES

Name:	Authentication	
WebMethod Rel.	InfAntlataXFFM	
Property	Description	Type
Cuit	Cuit of the connection agent	String
TipoAgente	Code of the type of agent and prefix (IATA code of the airline)	String
Rol	Role of the agent	String
Token	Token	String
Sign	Signature	String

Name:	ReqInfAntlataXFFM	
WebMethod Rel.	InfAntlataXFFM	
Property	Description	Type
NroTransaccion	Transaction number	Long
FlightManifest	FlightManifest Document	FlightManifestType

Name:	FlightManifestType	
WebMethod Rel.	InfAntlataXFFM	
Reference.	XFFM Document (Version 2.0) -> Documentation (IATA Cargo-XML Message Manual and Toolkit.)	

Name:	InfAntlataXFFMResponse	
WebMethod Rel.	InfAntlataXFFM	
Reference.	XFFM Document (Version 2.0) -> Documentation (IATA Cargo-XML Message Manual and Toolkit.)	



Name:	WsDummyResponse	
WebMethod Rel.	Dummy	
Property	Description	Type
Appserver	App server response	String
Dbserver	Database server response	String
Authserver	Ticket service response	String



## PROPERTIES OF THE AUTHENTICATION STRUCTURE

Property	Description	Type	Value	Obligation
Cuit	Cuit of the officer	C(11)	Cuit of the Connection officer	S
TipoAgente	Code of the type of agent and prefix (IATA code of the airline)	C(4)	TRSP	S
		C(3)	Prefix (IATA code of the airline)	S
UsuRol	Role	C(4)	EXTE	S
Token	Token	-	Token given by WsAA	S
Sign	Signature	-	Signature given by WsAA	S

## ERRORS / DESCRIPTION, USER AUTHENTICATION

In case of anomalies, the following error codes shall appear

Validation ID	Error code	Error message
Operación	7004	Internal Error
Usuario	7005	Expired Token
Usuario	7006	Signature needed
Usuario	7007	Token needed
Usuario	7008	Invalid Token
Usuario	7013	The Service does not correspond to the one reported in the Token
Usuario	7014	Cuit with which you want to operate is not informed
Usuario	6005	Invalid CUIT, CUIL and/or agent type for the service
Usuario	6006	Invalid role for agent type and requested service
Usuario	6003	Connection validation does not match the selected options





## WEBMETHODS

### INFANTIATAXFFM

Transference of the advanced information of the XFFM document (Flight Manifest

```
<WebMethodAttribute(Description := "Transferencia del Documento XFFM Informacion  
Anticipada Aerea IATA")>  
Public Function InfAntIataXFFM( _  
    ByVal argAutentica As Autenticacion, _  
    ByVal argInfAntIataXFFM As ReqInfAntIataXFFM _  
) As String  
Message)
```

### Structure of the entry parameters

```
POST /wGesInfAntIataXFFM.asmx HTTP/1.1  
Host: localhost  
Content-Type: application/soap+xml; charset=utf-8  
Content-Length: length  
  
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">  
    <soap12:Body>  
        <InfAntIataXFFM xmlns="ar.gob.afip.dia.serviciosWeb.wGesInfAntIataXFFM">  
            <argAutentica>  
                <Cuit>string</Cuit>  
                <TipoAgente>string</TipoAgente>  
                <Rol>string</Rol>  
            </argAutentica>  
            <ReqInfAntIataXFFM xmlns="iata:flightmanifest:1">  
                <NroTransaccion>long</NroTransaccion>  
                <FlightManifest>  
                    <MessageHeaderDocument>  
                        <ID xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <Name xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <TypeCode xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <IssueDateTime xmlns="iata:datamodel:3">dateTime</IssueDateTime>  
                        <PurposeCode xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <VersionID xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <ConversationID xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <SenderParty xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <SenderParty xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <RecipientParty xsi:nil="true" xmlns="iata:datamodel:3" />  
                        <RecipientParty xsi:nil="true" xmlns="iata:datamodel:3" />  
                    </MessageHeaderDocument>  
                </FlightManifest>  
            </ReqInfAntIataXFFM>  
        </soap12:Body>  
    </soap12:Envelope>
```



```
<BusinessHeaderDocument>
  <ID xsi:nil="true" xmlns="iata:datamodel:3" />
  <IncludedHeaderNote xsi:nil="true" xmlns="iata:datamodel:3" />
  <IncludedHeaderNote xsi:nil="true" xmlns="iata:datamodel:3" />
</BusinessHeaderDocument>
<LogisticsTransportMovement>
  <StageCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <ModeCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <Mode xsi:nil="true" xmlns="iata:datamodel:3" />
  <ID xsi:nil="true" xmlns="iata:datamodel:3" />
  <SequenceNumeric xmlns="iata:datamodel:3">decimal</SequenceNumeric>
  <TotalGrossWeightMeasure xsi:nil="true" xmlns="iata:datamodel:3" />
  <TotalGrossVolumeMeasure xsi:nil="true" xmlns="iata:datamodel:3" />
  <TotalPackageQuantity xsi:nil="true" xmlns="iata:datamodel:3" />
  <TotalPieceQuantity xsi:nil="true" xmlns="iata:datamodel:3" />
  <MasterResponsibleTransportPerson xsi:nil="true" xmlns="iata:datamodel:3"
/>

  <UsedLogisticsTransportMeans xsi:nil="true" xmlns="iata:datamodel:3" />
  <DepartureEvent xsi:nil="true" xmlns="iata:datamodel:3" />
  <IncludedCustomsNote xsi:nil="true" xmlns="iata:datamodel:3" />
  <IncludedCustomsNote xsi:nil="true" xmlns="iata:datamodel:3" />
  <RelatedConsignmentCustomsProcedure xsi:nil="true"
xmlns="iata:datamodel:3" />
</LogisticsTransportMovement>
<ArrivalEvent>
  <ArrivalOccurrenceDateTime
xmlns="iata:datamodel:3">dateTime</ArrivalOccurrenceDateTime>
  <ArrivalDateTimeTypeCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <DepartureOccurrenceDateTime
xmlns="iata:datamodel:3">dateTime</DepartureOccurrenceDateTime>
  <DepartureDateTimeTypeCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <OccurrenceArrivalLocation xsi:nil="true" xmlns="iata:datamodel:3" />
  <AssociatedTransportCargo xsi:nil="true" xmlns="iata:datamodel:3" />
  <AssociatedTransportCargo xsi:nil="true" xmlns="iata:datamodel:3" />
</ArrivalEvent>
<ArrivalEvent>
  <ArrivalOccurrenceDateTime
xmlns="iata:datamodel:3">dateTime</ArrivalOccurrenceDateTime>
  <ArrivalDateTimeTypeCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <DepartureOccurrenceDateTime
xmlns="iata:datamodel:3">dateTime</DepartureOccurrenceDateTime>
  <DepartureDateTimeTypeCode xsi:nil="true" xmlns="iata:datamodel:3" />
  <OccurrenceArrivalLocation xsi:nil="true" xmlns="iata:datamodel:3" />
  <AssociatedTransportCargo xsi:nil="true" xmlns="iata:datamodel:3" />
  <AssociatedTransportCargo xsi:nil="true" xmlns="iata:datamodel:3" />
</ArrivalEvent>
</FlightManifest>
</ReqInfAntIataXFFM>
</InfAntIataXFFM>
</soap12:Body>
</soap12:Envelope>
```



## Structure of the exit results

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <InfAntIataXFFMResponse xmlns="ar.gob.afip.dia.serviciosWeb.wGesInfAntIataXFFM">
      <InfAntIataXFFMResult>string</InfAntIataXFFMResult>
    </InfAntIataXFFMResponse>
  </soap12:Body>
</soap12:Envelope>
```

S

Property	Description	Type	Value	Obligation
NroTransaccion	Transaction number	N(12)	Format : (4) digits for the year (8) sequential digits for the year, using zeros to the left Eg : 201400000123	S
FlightManifest	FlightManifest document	FlightManifestType	See: Documentation (IATA Cargo-XML Message Manual and Toolkit.)	S



**Note:**

The Transaction Number identifies the sending of a Document. It corresponds to a sequential numbering per year (eg: 201400000001, 201400000002, .... 201500000001, etc). In the event of a communication drop, the document must be resent with the same transaction number until it is received.

**Exit results**

Returns a chain in "String" format containing the XFNM Document (see Documentation (IATA Cargo-XML Message Manual and Toolkit.)).

**Table of Error Codes of the business logic validation:**

Code	Description
0	OK PROCESSED
12630	Transaction number already used.
12631	Invalid document according to XSD specification.
27000	Airport code - Mandatory.
27001	Flight number - Mandatory.
27002	Date of arrival - Mandatory.
27003	Nature of the goods - Mandatory.
27004	The departure date must be lower or equal to the date of.
27021	MessageHeaderDocument.Name Invalid.
27022	MessageHeaderDocument.TypeCode Invalid.
27023	MessageHeaderDocument.PurposeCode Invalid.
27024	MessageHeaderDocument.VersionID Invalid.
27028	Partial gross weight – Mandatory because it is fractioned
27029	Partial gross weight format invalid.
27030	Partial gross weight must be equal or higher than zero.
27037	Fraction indicator - Mandatory.
27044	Partial amount - Mandatory.
27046	Manifest number - Mandatory.
27049	Partial amount format invalid.
27050	Total weight unit – Mandatory.
27051	Total weight– Mandatory.
27052	Total volume unit - Mandatory.



27053	Total volume - Mandatory.
31353	The NroTransaccion field has an invalid format. It must be YYYYNNNNNNNN
42034	Missing mandatory data {Data name}
27114	The country identifier does not meet IATA standards
27115	You must inform the document
27116	You must inform the country
27117	The document identifier does not meet IATA standards
27118	Invalid Document Length
27119	The document must be numeric
27120	Code of {Data name} - Mandatory
27121	The code for {Data Name} is invalid
27122	Mandatory value



## DUMMY

### *Structure validation*

```
<WebMethodAttribute(Description := " Dummy method to verify the operation")>
```

```
Public Function Dummy() As WsDummyResponse
```

Dummy method to verify the operation.

Through the *Dummy* WebMethod you can verify the operation of the infrastructure as regards the:

- App server.
- Ticket server.
- Database server.

The WebMethod will indicate "OK" if it is correct or a "NO" if it is incorrect.

### Structure of the exit result

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <DummyResponse xmlns="ar.gob.afip.dia.serviciosWeb.wGesInfAntIataXFFM">
      <DummyResult>
        <appserver>string</appserver>
        <dbserver>string</dbserver>
        <authserver>string</authserver>
      </DummyResult>
    </DummyResponse>
  </soap12:Body>
</soap12:Envelope>
```



### Structure of the WsDummyResponse (Result of the WebMethod)

Property	Description	Type
Appserver	Response App server.	C(2)
Dbserver	Response Databse server.	C(2)
Authserver	Response Ticket server	C(2)