ED1 850 to IDoc - Scenario

Applies to:
SAP XI 3.0 and above, Seeburger AS2 Adapter and Seeburger Workbench tool. For more information, visit the Data Management and Integration homepage.

Summary
This Technical Article is aimed to explain how to configure the EDI to IDoc scenario in XI/PI (eXchange Infrastructure/Process Integration) using seeburger adapter.

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Author Bio
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Introduction

Consider a scenario where an EDI system sends a purchase order (850) to R/3 through XI/PI which has the Seeburger AS2 communication channel configuration at the sender side and at the receiver side IDoc communication channel configuration, in the R/3 side it creates the Sales Order.

Description:
- 850 will be sent by The Customer.
- The 850 EDI file (ANSI X12) will be sent either Internet or via VAN (Value Added Networks).
- The Seeburger AS2 adapter will receive the 850 EDI file and it will be split into Order (XML file) and Functional Acknowledgment.
- The Functional Acknowledgment is mapped and converted as 997 data, which is sent back to customer.
- The Order file is picked by a virtual adapter (Split 997) and mapping of the data to IDOC structure will be done and the IDOC will be sent to ECC via IDOC receiver adapter.

Business Scenario

Simply the scenario is

Assumptions

It is assumed that the Seeburger AS2 Adapter is available for the XI/PI system to make use of.
It is also assumed that all the EDI to XML and XML to EDI conversion mappings are already generated using the Seeburger Mapping Designer tool and deployed in the SAP XI/PI Server.
In the Integration Directory, the inbound Seeburger AS2 adapter and the Split 997 adapters are properly configured.

Pre requisites

Basic knowledge of XI, IDocs, XML, knowledge on EDI and Seeburger AS2 Adapter etc.
Seeburger AS2 Inbound 850 Configuration
Integration Repository Steps

- Import the software component that is created in the SLD
- Create the namespace in the Integration Repository.
- For Sender, import the EDI XSD files to External definitions.
- For Receiver, Import the IDOC ORDERS05 from the R/3 system.

Sender Structure

Here the sender is EDI structure, EDI XSD structures are available in seeburger, based on the EDI version we will import the corresponding XSD structure.

Now we have to import the 850 and 997 EDI structure to External Definitions in XI.

After we import these files to External Definitions the XSD format of 850 EDI file is
EDI 850 to IDoc - Scenario

997 Sender Structure WSDL File

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions xmlns:wsdl="http://schemas.xmlsoap.org/wsdl" targetNamespace="">
  <wsdl:types>
    <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
      <xsd:element name="Functional_Acknowledgement" type="Functional_Acknowledgment"/>
      <xsd:complexType name="Functional_Acknowledgment">
        <xsd:sequence>
          <xsd:element name="Creation_Date" type="xsd:string" minOccurs="0"/>
          <xsd:element name="Format" type="xsd:string"/>
          <xsd:element name="Message_Type" type="xsd:string"/>
          <xsd:element name="Interchange_Control_Header" type="xsd:complexType">
            <xsd:sequence>
              <xsd:element name="Authorization_Information_Qualifier" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Authorization_Information" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Security_Information_Qualifier" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Security_Information" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Interchange_ID_Qualifier_Sender" type="xsd:string"/>
              <xsd:element name="Interchange_ID_Sender" type="xsd:string"/>
              <xsd:element name="Interchange_Sender_internal_ID" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Interchange_Sender_internal_sub_ID" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Interchange_ID_Qualifier_Receiver" type="xsd:string"/>
              <xsd:element name="Interchange_ID_Receiver" type="xsd:string"/>
              <xsd:element name="Interchange_Receiver_internal_ID" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Interchange_Receiver_internal_sub_ID" type="xsd:string" minOccurs="0"/>
              <xsd:element name="Interchange_Data" type="xsd:string"/>
            </xsd:sequence>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:schema>
  </wsdl:types>
</wsdl:definitions>
```
Receiver Structures

Here the receiver is ORDERS05 Idoc, the structure is as follows.

### Structure

<table>
<thead>
<tr>
<th>Structure</th>
<th>Category</th>
<th>Type</th>
<th>Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDERS05</td>
<td>Element</td>
<td>IDOC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Attribute</td>
<td>begin</td>
<td>xsd:string</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DC40</td>
<td>ORDERS05.OR...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK01</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK14</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK03</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK04</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK05</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK01</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK17</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK18</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK35</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK36</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK1</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>EDI_DK01</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>B1CUCF16</td>
<td>ORDERS05.E...</td>
</tr>
<tr>
<td></td>
<td>Element</td>
<td>E1ED01</td>
<td>ORDERS05.E...</td>
</tr>
</tbody>
</table>

### 997 EDI File

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:annotation>
        <xs:documentation>
            created by Seeburger GeneratorMappings Version 2.4 -
        </xs:documentation>
    </xs:annotation>
    <xs:element name="LIST" type="LIST" />
    <xs:complexType name="LIST">
        <xs:sequence>
            <xs:element name="S_ISA">
                <xs:annotation>
                    <xs:appinfo>
                        <title>
                            Interchange Control Header
                        </title>
                    </xs:appinfo>
                    <xs:documentation>
                        To start and identify an interchange of zero or more functional groups and interchange-related control segments
                    </xs:documentation>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:schema>
```
Message Type
EDI works as a Message type and IDoc works as a message interface so no need to create the message types for source and target.

Message Interface
For Idoc No need to create the message interface, for External definition we have to create the message interface.

Create the message interface for EDI sender category as Inbound and Mode as Asynchronous.

Message Mapping
Perform the message mapping for 850 according to our requirement.

Interface Mapping

Create the interface mapping by selecting the Source and Target Interfaces. After giving the source and target interfaces click on read interfaces button and select the corresponding message mapping.

For 997

Activate all the IR objects then Integration Repository part is completed.
Integration Directory

Create the Configuration scenario.

- Party
- Service Without Party
- Receiver Determination
- Interface Determination
- Sender Agreement
- Receiver Agreement

Add the Business system that we have already created in the SLD, if it is business service then we have to create the business service here.

We have to create the sender and receiver communication channels for the corresponding sender and receiver business services/systems.

Sender Communication Channel

<table>
<thead>
<tr>
<th>Communication Channel</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS2_SENDERS_ORDERS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Party: [Blank]
- Service: [Blank]
- Description: ALL_A82_SND

Parameters

- Adapter Type: AS2
- Transport Protocol: HTTP
- Message Protocol: AS2
- Adapter Engine: Integration Server

Asynchronous MDN settings

- SSL Certificate Alias
- Client Certificate
- SSL Hostname Check
- HTTP Timeout: 120
- MDN Retry Interval (minutes): 2
- MDN Retry Count: 5

- Use Proxy
- Use Authentication
**Adapter Type:** AS2  
**Transport Protocol:** HTTP

Internally the AS2 adapter uses the HTTP protocol that's why the Transport Protocol is HTTP.

**Message Protocol:** AS2  
**Adapter Engine:** Integration Server.

**Note:** In the Adapter engine either we can choose the Integration Server or Non central adapter engine if we have.

**Message Subject:** Which messages you want to process, here we mentioned *, means it process all the messages.

**Module Tab**

Communication channel in module tab, we have to configure this modules.

---

**Module Configuration**

<table>
<thead>
<tr>
<th>Module Key</th>
<th>Parameter Name</th>
<th>Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classifier</td>
<td>attId</td>
<td>additionalInfo</td>
</tr>
<tr>
<td>Classifier</td>
<td>classifierMappingID</td>
<td>NV</td>
</tr>
<tr>
<td>Classifier</td>
<td>destSourceMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>Classifier</td>
<td>showAuditLog</td>
<td>true</td>
</tr>
<tr>
<td>bit</td>
<td>classifierAttId</td>
<td>additionalInfo</td>
</tr>
<tr>
<td>bit</td>
<td>classifierMappingID</td>
<td>additionalInfo</td>
</tr>
<tr>
<td>bit</td>
<td>destSourceMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bit</td>
<td>destTargetMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bit</td>
<td>mappingName</td>
<td>AUTO</td>
</tr>
</tbody>
</table>
Module tab contains

**Classifier:** It is for Classifying the EDI version, is it ANSI X12 or EDI FACT or Tradacom or...

**BIC (Business Integration Converter):** It is for doing the E2X (EDI to XML) and X2E (XML to EDI) conversion.

**Split:** This is for splitting the 997 from the 850.

When we develop the X2E and E2X mappings by using Seeburger Mapping Designer we have to give any mapping name except starts with "Seeburger", assume here we give the name that starts with 'NV' and that same value should be configure in this module tab, Module configuration Parameter value is NV for the corresponding Parameter name (classifierMappingID).

For selecting the corresponding mapping (850 or 810 or 997…) at runtime the parameter value is AUTO for the corresponding Parameter Name “mappingName ”, then it goes to the Seeburger workbench and selects the corresponding mapping based on the sender EDI ID.

### Receiver Communication Channel

<table>
<thead>
<tr>
<th>Display Communication Channel</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication Channel</strong></td>
<td>ORDERS_IDOC_RCV</td>
<td></td>
</tr>
<tr>
<td><strong>Party</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Service</strong></td>
<td>BS_ECP</td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>ORDERS_IDOC_RCV</td>
<td></td>
</tr>
</tbody>
</table>

#### Parameters

- **Adapter Type**: IDoc
- **Transport Protocol**: IDoc
- **Message Protocol**: IDoc
- **Adapter Engine**: Integration Server
- **RFC Destination**: ECFO35900
- **Segment Version**: 
- **Interface Version**: SAP Release 4.0 or Higher
- **Port**: SAPECPS
- **SAP Release**: 500

- [ ] Queue Processing
- [ ] Apply Control Record Values from Payload
- [ ] Take Sender from Payload
- [ ] Take Receiver from Payload
- [ ] Restore Original Parties for Acknowledgments
**Adapter Type**: IDoc  
**Transport Protocol**: Idoc  
**Message Protocol**: Idoc  
**Adapter Engine**: Integration Server.

**Note**: In the Adapter engine either we can choose the Integration Server or Non central adapter engine if we have.

**RFC Destination**: Give the RFC destination value of the R/3 System.  
**Interface Version**: Version of the ECC or R/3.  
**Port**: R/3 Port  
**SAP Release**: Release version of the R/3.

**Sender Agreement**

<table>
<thead>
<tr>
<th>Sender Agreement</th>
<th>Edit</th>
<th>View</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display Sender Agreement</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sender</strong></td>
<td>Status</td>
<td>Active</td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Namespace</td>
<td>um:mg:sap:components</td>
<td></td>
</tr>
<tr>
<td><strong>Receiver</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Parameters**

| **Sender Communication Channel** | AS2_SENDERS_ORDERS |

**Security Settings**

| **AS2 Sender Configuration** | | |
| Authentication Certificate | | |

| **AS2 Receiver Configuration** | | |
| Decryption Key | | |
| Signing Key | | |

When we buy the AS2 adapter at that time Seeburger guys gives some authentication certificate details, here we have to mention those details.
Receiver Determination

Type of Receiver Determination
- Standard
- Extended

Configured Receivers

If No Receiver is Found, Proceed as Follows:
- Terminate Message Processing with Error (Restart Possible)
- End Message Processing Without Error (Restart not Possible)
- Continue Message Processing with the Following Receiver

Configuration Overview for Receiver Determination

Interface Mapping

Receiver Agreement (Communication Channel)
## Interface Determination

<table>
<thead>
<tr>
<th>Sender</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td></td>
</tr>
<tr>
<td>Namespace</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Receiver</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
</tbody>
</table>

### Type of Interface Determination
- Standard
- Enhanced

### Quality of Service
- Maintain Order At Runtime

### Configured Inbound Interfaces

<table>
<thead>
<tr>
<th>Inbound Interface</th>
<th>Namespace</th>
<th>Interface Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDERS.ORDERS05</td>
<td>urn:sap-com:document:sap ORDERS.ORDERS05</td>
<td>A_V4010_ORDERS_50_1_ORDERS.ORDERS.ORDERS05 urn:pimag:bestb</td>
</tr>
</tbody>
</table>

## Receiver Agreement

<table>
<thead>
<tr>
<th>Sender</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Receiver</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td>BS_ECP</td>
</tr>
<tr>
<td>Interface</td>
<td>ORDERS.ORDERS05</td>
</tr>
<tr>
<td>Namespace</td>
<td>urn:sap-com:document:sap:iodoc:messages</td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Receiver Communication Channel</th>
<th>ORDERS_IDOC_RCV</th>
</tr>
</thead>
</table>

### Header Mapping
- [ ] Sender Party
- [ ] Sender Service
- [ ] Receiver Party
- [ ] Receiver Service
**Virtual 997 Adapter**

After the EDI file is split to 850 and Functional Acknowledgement, the 997 virtual adapter takes the 850 document and gives to the Receiver adapter, in this case it gives to the IDoc receiver adapter, it acts like an intermediate carrier.

<table>
<thead>
<tr>
<th>Communication Channel</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Parameters**

- **Adapter Type**: Split997
- **Sender**: Receiver
- **Transport Protocol**: 997
- **Message Protocol**: 997
- **Adapter Engine**: Integration Server

**997 Adapter**

- **Adapter State**: Active

**Processing Sequence**

<table>
<thead>
<tr>
<th>Number</th>
<th>Module Name</th>
<th>Module Type</th>
<th>Module Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>localejos/CallBicXRabBean</td>
<td>Local Enterprise Bean</td>
<td>bic</td>
</tr>
<tr>
<td>2</td>
<td>localejos/ModuleProcessorExit...</td>
<td>Local Enterprise Bean</td>
<td>exit</td>
</tr>
</tbody>
</table>

**Module Configuration**

<table>
<thead>
<tr>
<th>Module Key</th>
<th>Parameter Name</th>
<th>Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>bic</td>
<td>destSourceMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bic</td>
<td>destTargetMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bic</td>
<td>mappingName</td>
<td>NV_X2E_ANSI12_997_allVersions</td>
</tr>
<tr>
<td>exit</td>
<td>JNDIName</td>
<td>deployedAdapters/SeeXAS2/sharea</td>
</tr>
</tbody>
</table>
For 997 Document

Receiver Communication Channel

<table>
<thead>
<tr>
<th>Display Communication Channel</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Identifiers</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter Type *</td>
<td>AS2</td>
<td><a href="http://seeburger.com/ki">http://seeburger.com/ki</a></td>
</tr>
<tr>
<td>Sender</td>
<td>Receiver</td>
<td></td>
</tr>
<tr>
<td>Transport Protocol *</td>
<td>HTTP</td>
<td></td>
</tr>
<tr>
<td>Message Protocol *</td>
<td>AS2</td>
<td></td>
</tr>
<tr>
<td>Adapter Engine *</td>
<td>Integration Server</td>
<td></td>
</tr>
</tbody>
</table>

### HTTP

- **Server**: This is the AS2 Server Name.
- **Port**: Use this port to connect the AS2 server.
- **URL Path**: AS2 Server URL path.
- **HTTP Timeout**: Within this time it tries to post the data in the AS2 server.
**MDN (Message Dispatch Notification) Mode:** It is for Acknowledgement receipt of the payload message. Synchronous (After the document delivered to the receiver, the Seeburger Runtime workbench will get the response).

**Content Type:** It specifies what the content is; here we are sending/receiving data through EDI ANSI X12 version.

**Module Tab**

<table>
<thead>
<tr>
<th>Number</th>
<th>Module Name</th>
<th>Module Type</th>
<th>Module Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>localEJB CallBicXRefBean</td>
<td>Local Enterprise Bean</td>
<td>bic</td>
</tr>
<tr>
<td>2</td>
<td>localEJB ModuleProcessorExitBean</td>
<td>Local Enterprise Bean</td>
<td>exit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module Key</th>
<th>Parameter Name</th>
<th>Parameter Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>bic</td>
<td>destSourceMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bic</td>
<td>destTargetMsg</td>
<td>MainDocument</td>
</tr>
<tr>
<td>bic</td>
<td>mappingName</td>
<td>NY_X2E_ANSI_X12_987_allVersions</td>
</tr>
<tr>
<td>exit</td>
<td>JNDIName</td>
<td>deployedAdapters/SeeKASZ/shareable..</td>
</tr>
</tbody>
</table>
### Sender Agreement

<table>
<thead>
<tr>
<th>Sender</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td></td>
<td>A_V4010_850_Outbound_Async_MI</td>
</tr>
<tr>
<td>Namespace</td>
<td></td>
<td>urn:mag:sap:components</td>
</tr>
</tbody>
</table>

#### Parameters

<table>
<thead>
<tr>
<th>Sender Communication Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Receiver Determination

<table>
<thead>
<tr>
<th>Receiver</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Type of Receiver Determination

- Standard
- Extended

#### Configured Receivers

<table>
<thead>
<tr>
<th>Condition</th>
<th>Party</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional_Acknowledgment/Interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional_Acknowledgment/Interface</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If no receiver is found, proceed as follows:
- Terminate Message Processing with Error (Restart Possible)
- End Message Processing Without Error (Restart not possible)
- Continue Message Processing with the Following Receiver:

#### Configuration Overview for Receiver Determination

- Receiver (Partner | Service)
- Interface Mapping
- Receiver Agreement (Communication Channel)
### Interface Determination

<table>
<thead>
<tr>
<th>Display Interface Determination</th>
<th>Status</th>
<th>Active</th>
</tr>
</thead>
</table>

**Sender**
- Party: [Redacted]
- Service: [Redacted]
- Interface: FunctionalAck_Outbound_Async_MI
- Namespace: urn:mag.sap.components

**Receiver**
- Party: [Redacted]
- Service: [Redacted]
- Description: [Redacted]

**Type of Interface Determination**
- Standard

**Quality of Service**
- Maintain Order At Runtime

**Configured Inbound Interfaces**

<table>
<thead>
<tr>
<th>Inbound Interface</th>
<th>Interface Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name</td>
</tr>
<tr>
<td>Namespace</td>
<td>Namespace</td>
</tr>
<tr>
<td>1</td>
<td>FunctionalAcknowledgement_to</td>
</tr>
</tbody>
</table>
### Receiver Agreement

<table>
<thead>
<tr>
<th><strong>Display Receiver Agreement</strong></th>
<th><strong>Status</strong></th>
<th><strong>Active</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sender</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Receiver</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Party</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>A_997_ALL_Inbound_Asyc_Ml</td>
<td></td>
</tr>
<tr>
<td>Namespace</td>
<td>urn:mag:sap:components</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Receiver Communication Channel**

**Header Mapping**

- **Sender Party**
- **Receiver Party**

**Security Settings**

**AS2 Sender Configuration**

- **Signing Key**

**AS2 Receiver Configuration**

- **Encryption Certificate**
- **Authentication Certificate**

Active all the objects.

With this, we have finished our Integration Directory Configuration.
Here based on the sender EDI ID the seeburger workbench selects the corresponding mapping name.
Seeburger Message Monitoring

It is a tool like Runtime workbench in XI/PI; here in the Message Monitoring we can monitor the messages in the seeburger environment. We can get the status here, if it is success then its working fine, suppose if it is Error then we can get the cause of error.

Success Log:

---

**Message details**

- **Message ID**: `<20671000301759177901239202535804.SEEBURGER.SAPServiceXP@10.151`
- **Sender AS2 ID**: [redacted]
- **Receiver AS2 ID**: [redacted]
- **State**: SUCCESS
- **Status Description**: Correlation successful.
- **Timestamp**: 04/08/2009 07:55:35
- **Content Type**: application/octet-stream
- **MIC**: Kw1THBD6IA6nh0lPE05CrPub6o=
- **Message Subject**: [redacted]
- **Receipt requested**: sync
- **Encrypted**: ✔️
- **Direction**: SENT
- **Compressed**: ✗
- **Signed**: ✗

---

**Receipt (MDN) details**

- **Type**: sync

---

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Message Monitoring with error records

Error Log:

Message details

<table>
<thead>
<tr>
<th>Message ID</th>
<th>&lt;14439631301507524431239089748562.SEEBURGER.SAPServiceXI IQ@10.151.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sender AS2 ID</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Receiver AS2 ID</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>State</td>
<td>ERROR</td>
</tr>
<tr>
<td>Status Description</td>
<td>MDN not authenticated</td>
</tr>
<tr>
<td>Timestamp</td>
<td>04/07/2009 00:35:48</td>
</tr>
<tr>
<td>Content Type</td>
<td>application/octet-stream</td>
</tr>
<tr>
<td>MIC</td>
<td>gd;kYzJKF Kl0sh7Orfw7mgY=</td>
</tr>
<tr>
<td>Message Subject</td>
<td>test 997ACK</td>
</tr>
<tr>
<td>Receipt requested</td>
<td>sync</td>
</tr>
<tr>
<td>Encrypted</td>
<td>☑</td>
</tr>
<tr>
<td>Direction</td>
<td>SENT</td>
</tr>
<tr>
<td>Compressed</td>
<td></td>
</tr>
<tr>
<td>Signed</td>
<td></td>
</tr>
</tbody>
</table>

Receipt (MDN) details

| Type                | sync                                                                       |
Sample Input Data

For 850 Document:

ISA*00*          *00*          *ZZ*XXXXXXXXX      *12*1234567980
*090808*2112*U*00401*000001926*0*P*}}
GS*PO*XXXXXXXXX*2314569870*20090808*2112*1943*X*004010
ST*850*19430001
BEG*00*SA*1200773**20090806
CUR*BY*USD
REF*IA*15850
PER*BD*yyyyyyyyyyyyyyyyy
ITD***************Net 30
DTM*037*20090828
DTM*038*20090903
N1*BT*abcdef ghijklmn
N3*180 E Fifth St
N4*St Paul*MN*55101
N1*ST*abcdef ghijklm#1*92*0001
N3*700 A. abcdefg Drive
N4*xyzabc*IN*46052
P01*2*EA*5.4**SK*10331792*UP*763357109696*VN*980773
CTP**RTL*11.99
PID*F*08***EXPLORIST CARRYING CASE
P04*1
REF*DP*50
REF*PG*2
SDQ*EA*92*0001*2
SE*43*19430001
GE*1*1943
IEA*1*000001926

For 997 Document:

ISA*00*          *00*          *12*1234479571      *01*185086808
*070925*0833*U*00201*000001502*1*P*}}
GS*FA*1243479571*185086808*20070925*0833*1508*X*004010
ST*997*15080001
AK1*IN*1
AK2*810*0001
AK3*IT1*5*IT1*8
AK4*0*235*2*763357116946
AK5*R*5
AK9*R*1*1*0*5
SE*8*15080001
ST*997*15080002
AK1*IN*1
AK2*810*0001
AK5*A
AK9*A*1*1*1
SE*6*15080002
ST*997*15080003
AK1*IN*1
AK2*810*0001
AK3*IT1*9*IT1*8
AK4*0*235*2*763357117233
AK3*IT1*11*IT1*8
AK4*0*235*2*763357116939
AK5*R*5
AK9*R*1*1*0*5
SE*10*15080003
ST*997*15080004
AK1*IN*1
AK2*810*0001
AK3*IT1*5*IT1*8
AK4*0*235*2*763357116946
AK5*R*5
AK9*R*1*1*0*5
SE*8*15080004
ST*997*15080005
AK1*IN*1
AK2*810*0001
AK3*IT1*5*IT1*8
AK4*0*235*2*763357116946
AK5*R*5
AK9*R*1*1*0*5
SE*8*15080005
ST*997*15080006
AK1*IN*1
AK2*810*0001
AK5*A
AK9*A*1*1*1
SE*6*15080006
ST*997*15080007
AK1*IN*1
AK2*810*0001
AK3*IT1*5*IT1*8
AK4*0*235*2*763357112702
AK5*R*5
AK9*R*1*1*0*5
SE*8*15080007
ST*997*15080008
AK1*IN*1
AK2*810*0001
AK3*IT1*5*IT1*8
AK4*0*235*2*763357116946
AK5*R*5
AK9*R*1*1*0*5
SE*8*15080008
GE*8*1508
IEA*1*000001502
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