

How to Use Multiple Records in Business Process Management Using Block Step



Applies to:

This scenario is implemented in PI 7.1 server (Service Pack: 06) or PI 7.0 server.

Summary

A common Business Process Management (BPM) usage is to collect multiple records received from a file and pass these records to RFC. Then the RFC will process the multiple requests and gives you the multiple responses. For this, I have created a scenario using BPM. This scenario shows how to implement multiple records scenario using Block step (for each) by step-by-step in detail.

Author: Leela Ratnam Morampudi

Company: Satyam Computers Services Ltd

Created on: 22 October, 2008

Author Bio

Leela Ratnam Morampudi is a SAP Netweaver Consultant in Satyam Computer Services Ltd.

Table of Contents

Introduction	3
Integration Repository.....	3
Integration Process	12
Integration Directory	15
Testing	24
Related Content.....	27
Disclaimer and Liability Notice.....	28

Introduction

Here the input file with multiple records is sent to RFC and the multiple responses from RFC will come into XI and it is written to a file.

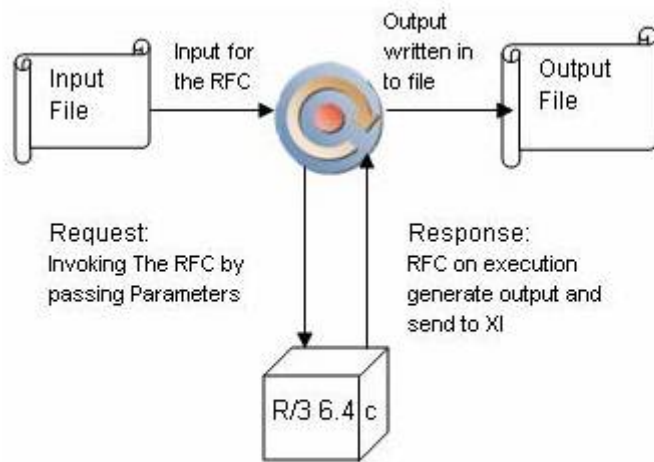


Fig1. File to RFC Synchronous Scenario

Integration Repository

- Import the RFC (BAPI_MATERIAL_AVAILABILITY), which is available in SAP System. For this RFC, it will provide the material is available or not if we give the input parameters like (Material name, plant location, unit of measure).
- Create 2 Data Types for sender and Receiver.

Data type for Sender:

Display Data Type

Name: DT_Sender
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description:
 Classification: Free-Style Data Type

Type Definition | XSD

Name	Category	Type	Occurrence
DT_Sender	Complex Type		
Records	Element		0..unbounded
MaterialName	Element	xsd:string	0..1
PlantLocation	Element	xsd:string	0..1
UnitofMeasure	Element	xsd:string	0..1

Create data type for receiver:

Display Data Type

Name: DT_Receiver
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description:
 Classification: Free-Style Data Type

Type Definition | XSD

Name	Category	Type	Occurrence
DT_Receiver	Complex Type		
Details	Element		0..unbounded
Availability	Element	xsd:integer	0..1
Message	Element	xsd:string	0..1

Create Message Types for the above data types.

Sender Message Type:

Display Message Type

Name: MT_Sender
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description:

Data Type Used: Name * DT_Sender, Namespace * File2RFC
 XML Namespace: File2RFC

Structure XSD

Search [] Go

Name	Category	Type	Occurrence	Default
MT_Sender	Element	DT_Sender		
Records	Element		0..unbounded	
MaterialName	Element	xsd:string	0..1	
PlantLocation	Element	xsd:string	0..1	
UnitofMeasure	Element	xsd:string	0..1	

Create Receiver Message Type:

Display Message Type

Name: MT_Receiver
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description:

Data Type Used: Name * DT_Receiver, Namespace * File2RFC
 XML Namespace: File2RFC

Structure XSD

Search [] Go

Name	Category	Type	Occurrence	Default
MT_Receiver	Element	DT_Receiver		
Details	Element		0..unbounded	
Availability	Element	xsd:integer	0..1	
Message	Element	xsd:string	0..1	

Create the Message Interfaces for the message types as shown below.

Sender Message Interface (outbound, Asynchronous):

Display Service Interface Status: Active Display Language: []

Name: SI_Sender
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description: []

Definition | WSDL | Matching Service Interfaces

Attributes
 Category: Outbound
 Interface Pattern: Stateless

Operations
 Operation SI_Sender
 Description: []
Attributes
 Operation Pattern: Normal Operation
 Mode: Asynchronous
Messages
 Context Objects []

Role	Type	Name	Namespace
Request *	Message Type	MT_Sender	File2RFC

Sender Abstract interface (Abstract, Asynchronous):

Display Service Interface Status: Active Display Language: []

Name: SI_Sender_ABS
 Namespace: File2RFC
 Software Component Version: SC_ISPOC 1.0 of ibm
 Description: []

Definition | WSDL | Matching Service Interfaces

Attributes
 Category: Abstract
 Interface Pattern: Stateless

Operations
 Operation SI_Sender_ABS
 Description: []
Attributes
 Operation Pattern: Normal Operation
 Mode: Asynchronous
Messages
 Context Objects []

Role	Type	Name	Namespace
Request *	Message Type	MT_Sender	File2RFC

Receiver Message Interface:

Display Service Interface Status: Display Language

Name:
 Namespace:
 Software Component Version:
 Description:

Definition | **WSDL** | Matching Service Interfaces

Attributes
 Category:
 Interface Pattern:

Operations

Operation SI_Receiver

Description:

Attributes
 Operation Pattern:
 Mode:

Messages

Role	Type	Name	Namespace
Request *	Message Type	MT_Receiver	File2RFC
Fault	Fault Message Type		

Receiver Abstract Interface:

Display Service Interface Status: Display Language

Name:
 Namespace:
 Software Component Version:
 Description:

Definition | **WSDL** | Matching Service Interfaces

Attributes
 Category:
 Interface Pattern:

Operations

Operation SI_Receiver_ABS

Description:

Attributes
 Operation Pattern:
 Mode:

Messages

Role	Type	Name	Namespace
Request *	Message Type	MT_Receiver	File2RFC

Bapi Request Interface:

Display Service Interface Status Di

Name
 Namespace
 Software Component Version
 Description

Definition WSDL Matching Service Interfaces

Attributes
 Category
 Interface Pattern

Operations

Operation BAPI_Request_ABS

Description

Attributes
 Operation Pattern
 Mode

Messages

Role	Type	Name	Namespace
Request *	RFC Message	BAPI_MATERIAL_AVAILABILITY	urn:sap-com:document:sap:rfc:functions

Bapi Response Interface:

Display Service Interface Status Disp

Name
 Namespace
 Software Component Version
 Description

Definition WSDL Matching Service Interfaces

Attributes
 Category
 Interface Pattern

Operations

Operation BAPI_Resposne_ABS

Description

Attributes
 Operation Pattern
 Mode

Messages

Role	Type	Name	Namespace
Request *	RFC Message	BAPI_MATERIAL_AVAILABILITY.Response	urn:sap-com:document:sap:rfc:functions

Bapi Synchronous Interface:

Display Service Interface Status Di:

Name
 Namespace
 Software Component Version
 Description

Definition **WSDL** Matching Service Interfaces

Attributes

Category
 Interface Pattern

Operations

Operation BAPI_SYNC_ABS

Description

Attributes

Operation Pattern
 Mode

Messages

Role	Type	Name	Namespace
Request *	RFC Message	BAPI_MATERIAL_AVAILABILITY	urn:sap-com:document:sap:rfc:functions
Response *	RFC Message	BAPI_MATERIAL_AVAILABILITY.Response	urn:sap-com:document:sap:rfc:functions
Fault	Fault Message Type		

Create Message Mapping for Request and the Response.

Request Mesage mapping (MT_Sender_Request):

The screenshot shows two message structure trees side-by-side. The left tree is for 'Message Type: MT_Sender' and the right is for 'RFC Message: BAPI_MATERIAL_AVAIL'. Red lines indicate the mapping of fields from the source to the target. The source fields 'MaterialName', 'PlantLocation', and 'UnitofMeasure' are highlighted in yellow and mapped to the corresponding fields in the target structure.

Source Field	Source Occurrences	Target Field	Target Occurrences
MaterialName	0..1	MATERIAL	0..1
PlantLocation	0..1	PLANT	0..1
UnitofMeasure	0..1	UNIT	0..1

In the signature tab, you have to make the occurances as "0....unbounded."

The screenshot shows the 'Signature' tab of the Message Mapping tool. It displays the source and target message signatures. The source message is 'MT_Sender' with an occurrence of '0..unbounded'. The target message is 'BAPI_MATERIAL_AVAIL' with an occurrence of '0..unbounded'. Both occurrences are highlighted in red.

Source Message	Source Occurrence	Target Message	Target Occurrence
Message Ty... MT_Sender	0..unbounded	RFC Messa... BAPI_MATERIAL_AVAIL	0..unbounded

Response mapping (MM_Response_Receiver):

The screenshot shows two message structure trees side-by-side. The left tree is for 'RFC Message: BAPI_MATERIAL_AVAIL.Response' and the right is for 'Message Type: MT_Receiver'. Red lines indicate the mapping of fields from the source to the target. The source fields 'AV_QTY_PLT', 'DIALOGFLAG', 'ENDLEADTME', and 'MESSAGE' are highlighted in yellow and mapped to the corresponding fields in the target structure.

Source Field	Source Occurrences	Target Field	Target Occurrences	Target Type
AV_QTY_PLT	0..1	Availability	0..1	xsd:integer
DIALOGFLAG	0..1	Message	0..1	xsd:string
ENDLEADTME	0..1	Details	0..unbounded	
MESSAGE	0..1	MT_Receiver	0..unbounded	p4:DT_Receiver

Definition Test **Signature** Functions

Source Message(s) *
 Software Component Version SC_ISPOC 1.0 of ibm

Type	Name	Namespace	Occurrence
RFC Messa...	BAPI_MATERIAL_AVAILABILITY.Reurn:sap-com:do		0..unbounded

Target Message(s) *
 Software Component Version SC_ISPOC 1.0 of ibm

Type	Name	Namespace	Occurrence
Message Ty...	MT_Receiver	File2RFC	0..unbounded

Create the interface mapping for the corresponding message mapping:

Display Operation Mapping Status Active Display Language Er

Name OP_Sender_Request
 Namespace File2RFC
 Software Component Version SC_ISPOC 1.0 of ibm
 Description

Definition Test

Source Operation *

Name	Namespace	Software Component	Occurrence
SI_Sender_ABS	File2RFC	SC_ISPOC 1.0 of ibm	0..unbounded

Target Operation *

Name	Namespace	Software Component Ve	Occurrence
BAPI_Request_ABS	File2RFC	SC_ISPOC 1.0 of ibm	0..unbounded

Read Operations Parameters Use SAP XML Toolkit Do Not Resolve XOP Includes Read Attachments

Source Message MT_Sender

Mapping Program *

Type	Name	Namespace	Binding
Message Ma...	MM_Sender_Request	File2RFC	

Target Message BAPI_MATERIAL_AVAILABILITY

Display Operation Mapping Status Active Display Language English (OL)

Name OP_Response_Receiver
 Namespace File2RFC
 Software Component Version SC_ISPOC 1.0 of ibm
 Description

Definition Test

Source Operation *

Name	Namespace	Software Compon.	Occurrence
BAPI_Response_ABS	File2RFC	SC_ISPOC 1.0 of ibm	0..unbounded

Target Operation *

Name	Namespace	Software Co.	Occurrence
SI_Receiver_ABS	File2RFC	SC_ISPOC 1.0 of ibm	0..unbounded

Read Operations Parameters Use SAP XML Toolkit Do Not Resolve XOP Includes Read Attachments

Source Message BAPI_MATERIAL_AVAILABILITY.Response

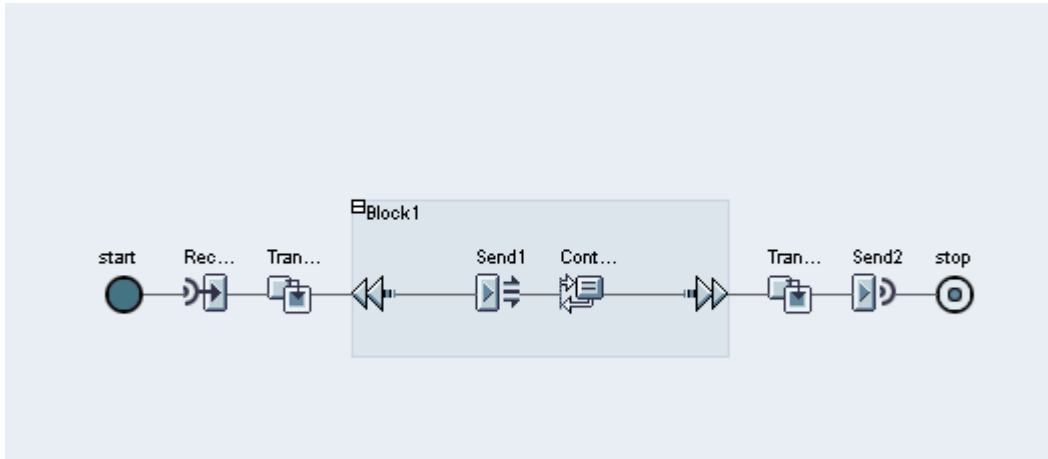
Mapping Program *

Type	Name	Namespace	Binding
Message	MM_Response_Receiver	File2RFC	

Target Message MT_Receiver

Integration Process

- Create the BPM as shown below:



In the following BPM, The first step is the receive step. It will trigger the BPM. Transformation is taken between the sender and the request. Then next step is the block. (For each).In Block, synchronous RFC is called in the Send step and the container is used for appending the multiple responses from the RFC. After the block, the transformation step is used for the response mapping to a file. The last send step will contain the output file.

Container Elements:

Name	Category	Type	Multiline	Description	Scope
input	Abstract Interface	SI_Sender_ABS	<input type="checkbox"/>		Process
output	Abstract Interface	SI_Receiver_ABS	<input type="checkbox"/>		Process
request	Abstract Interface	BAPI_Request_ABS	<input checked="" type="checkbox"/>		Process
response	Abstract Interface	BAPI_Resposne_ABS	<input checked="" type="checkbox"/>		Process
CLReq	Abstract Interface	BAPI_Request_ABS	<input type="checkbox"/>		Block1
CLRes	Abstract Interface	BAPI_Resposne_ABS	<input type="checkbox"/>		Block1

Properties:

Receive Step

Properties	
Name	Value
Step Name	Receive1
Description	
Start Process	<input checked="" type="checkbox"/>
Mode	Asynchronous
Message	input
Activate Correlations	

Transformation 1

Properties	
Name	Value
Step Name	Transformation1
Description	
Operation Mapping	OP_Sender_Request
Create New Transaction	<input type="checkbox"/>
Exceptions System Error	
Source Messages SI_Sender_ABS File2RFC input	
Target Messages BAPI_Request_ABS File2Rrequest	

Block Step

Properties	
Name	Value
Step Name	Block1
Description	
Mode	ForEach
Block Start	New Transaction
Block End	New Transaction
Multiline Element	request
Current Line	CLReq
End Condition	
Exceptions	
Local Correlations	

Send Synchronous

Name	Value
Step Name	Send1
Description	
Mode	Synchronous
Create New Transaction	<input type="checkbox"/>
Synchronous Interface	BAPI_SYNC_ABS
Request Message	CLReq
Response Message	CLRes
Receiver From	Send Context
Send Context	
Exceptions System Error	

Container

Properties	
Name	Value
Step Name	Container Operation1
Description	
Target	response
Operation	Append
Expression	CLRes

Transformation 2

Name	Value
Step Name	Transformation2
Description	
Operation Mapping	OP_Response_Receiver
Create New Transaction	<input type="checkbox"/>
Exceptions	
System Error	
Source Messages	
BAPI_Resposne_ABS File2response	
Target Messages	
SI_Receiver_ABS File2RFOutput	

Send2

Name	Value
Step Name	Send2
Description	
Mode	Asynchronous
Create New Transaction	<input type="checkbox"/>
Message	output
Acknowledgment	None
Receiver From	Send Context
Conversation ID	
Queue Name (EOIO)	
Send_Context	

Integration Directory

- Create the Business Component (Business Service).

In that select the sender and the receiver interface:

Display Communication Component Status: Active Display Language

Communication Component: BC_MultipleRecords

Party:

Description:

Business Component

Receiver | **Sender** | Assigned Users | Other Attributes

Inbound Interfaces

Name *	Namespace *	Software Component Version
SI_Receiver	File2RFC	SC_ISPOC 1.0 of ibm

Business Component

Receiver | **Sender** | Assigned Users | Other Attributes

Outbound Interfaces

Name *	Namespace *	Software Component Version
SI_Sender	File2RFC	SC_ISPOC 1.0 of ibm

- Import the Integration Process which you have defined in the IR

Display Communication Component Status: Active Display Language

Communication Component: BPM_MultipleRecords

Party:

Description:

Integration Process

Integration Process in Enterprise Services Repository: IP_MultipleRecords File2RFC

Receiver | **Sender**

Inbound Interfaces

Name	Namespace	Software Component
SI_Sender_ABS	File2RFC	SC_ISPOC 1.0 of ibm

- Create the Business component for the RFC.

Display Communication Component Status Display Language

Communication Component

Party

Description

Business Component

Receiver | Sender | Assigned Users | Other Attributes

Inbound Interfaces

Name *	Namespace *	Software Component Version
BAPI_MATERIAL_AVAILABILITY	urn:sap-com:document:sap:rfc:functions	SC_ISPOC 1.0 of ibm

- Create the Communication channel for the File sender, File Receiver, RFC Receiver.

Display Communication Channel
Status Active
Display Language

Communication Channel	CC_Sender		
Party			
Communication Component	BC_MultipleRecords		
Description			

Parameters

Identifiers

Module

Adapter Type *	File	http://sap.com/xi/XI/System	SAP BASIS 7.10
	<input checked="" type="radio"/> Sender <input type="radio"/> Receiver		
Transport Protocol *	File Transfer Protocol (FTP)		
Message Protocol *	File		
Adapter Engine *	Central Adapter Engine		

Source

Processing

Advanced

File Access Parameters

Source Directory *	/pitest		
File Name *	multiple.xml		
<input type="checkbox"/> Advanced Selection for Source File			

FTP Connection Parameters

Server *	ssisrp7r		
Port *	21		
Data Connection	Passive 📄		
Timeout (secs)			
Connection Security *	None 📄		
<input type="checkbox"/> Anonymous Login			
User Name	piftpuser		
Password	*****	=	*****
Connect Mode *	Permanently 📄		
Transfer Mode *	Binary 📄		

File Receiver Communication Channel:

Display Communication Channel		Status	Active	Display Language
Communication Channel	CC_Receiver			
Party				
Communication Component	BC_MultipleRecords			
Description				
<div style="display: flex; justify-content: space-between;"> Parameters Identifiers Module </div>				
Adapter Type *	File	http://sap.com/xi/XI/System	SAP BASIS 7.10	
	<input type="radio"/> Sender	<input checked="" type="radio"/> Receiver		
Transport Protocol *	File Transfer Protocol (FTP)			
Message Protocol *	File			
Adapter Engine *	Central Adapter Engine			
<div style="display: flex; justify-content: space-between;"> Target Processing Advanced </div>				
File Access Parameters				
Target Directory *	/pitest			
	<input checked="" type="checkbox"/> Create Target Directory			
File Name Scheme *	multiplerecords.xml			
FTP Connection Parameters				
Server *	ssisrp7r			
Port *	21			
Data Connection	Passive			
Timeout (secs)				
Connection Security *	None			
	<input type="checkbox"/> Anonymous Login			
User Name	pftpuser			
Password	*****	=	*****	
Connect Mode *	Permanently			
Transfer Mode *	Binary			

RFC Receiver Communication Channel:

Display Communication Channel
Status
Display Language

Communication Channel	CC_RFC_Receiver		
Party			
Communication Component	BC_RFC_Material		
Description			

Parameters

Identifiers

Module

Adapter Type *	RFC	http://sap.com/xi/XI/System	SAP BASIS 7.10
	<input type="radio"/> Sender <input checked="" type="radio"/> Receiver		
Transport Protocol *	RFC		
Message Protocol *	RFC (RFC XML)		
Adapter Engine *	Central Adapter Engine		

Target

Advanced

Adapter Status

Adapter Status

RFC Client Parameter

RFC Server Type

Load Balancing

Application Server *

System Number *

Authentication Mode *

Logon User *

Logon Password *

Logon Language *

Logon Client *

Maximum Connections

Advanced Mode

- Create the Sender Agreement:

Display Sender Agreement Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BC_MultipleRecords

Interface: SI_Sender

Namespace: File2RFC

Receiver

Communication Party:

Communication Component:

Description:

Parameters Assigned Users

Sender Communication Channel * CC_Sender

Software Component Version of Sender Interface SC_ISPOC 1.0 of ibm

Schema Validation No Validation Validation by Adapter Validation by Integration Engine

- Create the 3 Receiver Determinations as shown below.

File Sender To BPM:

Display Receiver Determination Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BC_MultipleRecords

Interface: SI_Sender

Namespace: File2RFC

Receiver

Communication Party: *

Communication Component: *

Description:

Contents Configuration Overview

Software Component Version SC_ISPOC 1.0 of ibm

Type of Receiver Determination Standard Extended

Configured Receivers

Search

Rule	Condition	Communication Party	Communication Component *
Local Rule			BPM_MultipleRecords

BPM to RFC

Display Receiver Determination Status: Display Language:

Sender

Communication Party:

Communication Component:

Interface:

Namespace:

Receiver

Communication Party:

Communication Component:

Description:

[Contents](#) [Configuration Overview](#)

Software Component Version:

Type of Receiver Determination: Standard Extended

Configured Receivers

| Search

Rule	Condition	Communication Party	Communication Component *
Local Rule			BC_RFC_Material

BPM to File receiver:

Display Receiver Determination Status: Display Language:

Sender

Communication Party:

Communication Component:

Interface:

Namespace:

Receiver

Communication Party:

Communication Component:

Description:

[Contents](#) [Configuration Overview](#)

Software Component Version:

Type of Receiver Determination: Standard Extended

Configured Receivers

| Search

Rule	Condition	Communication Party	Communication Component *
Local Rule			BC_MultipleRecords

- Create 3 Interface Determinations as shown below.

File Sender to BPM.

Display Interface Determination Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BC_MultipleRecords

Interface: SI_Sender

Namespace: File2RFC

Receiver

Communication Party:

Communication Component: BPM_MultipleRecords

Description:

Software Component Version of Sender Interface: SC_ISPOC 1.0 of ibm

Maintain Order At Runtime

Operationen

SI_Sender

Receiver Interfaces *

Condition	Operation Mapping	Name *	Namespace *	Multiplicity
		SI_Sender_ABS	File2RFC	

BPM to RFC.

Display Interface Determination Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BPM_MultipleRecords

Interface: BAPI_SYNC_ABS

Namespace: File2RFC

Receiver

Communication Party:

Communication Component: BC_RFC_Material

Description:

Software Component Version of Sender Interface: SC_ISPOC 1.0 of ibm

Maintain Order At Runtime

Operationen

BAPI_SYNC_ABS

Receiver Interfaces *

Condition	Operation Mapping	Name *	Namespace *	Multiplicity
		BAPI_MATERIAL_A	urn:sap-com:docum	

BPM to File receiver:

Display Interface Determination Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BPM_MultipleRecords

Interface: SI_Receiver_ABS

Namespace: File2RFC

Receiver

Communication Party:

Communication Component: BC_MultipleRecords

Description:

Software Component Version of Sender Interface: SC_ISPOC 1.0 of ibm

Maintain Order At Runtime

Operationen

SI_Receiver_ABS

Receiver Interfaces *

Condition	Operation Mapping	Name *	Namespace *	Multiplicity
		SI_Receiver	File2RFC	

- Create 2 Receiver Agreements (For File, and For RFC).

RFC Receiver Agreement:

Display Receiver Agreement Status: Active Display Language: English (OL)

Sender

Communication Party:

Communication Component: BPM_MultipleRecords

Receiver

Communication Party:

Communication Component: BC_RFC_Material

Interface: BAPI_MATERIAL_AVAILABILITY

Namespace: urn:sap-com:document:sap:rfc:functions

Description:

Receiver Communication Channel *: CC_RFC_Receiver

File Receiver Agreement:

Display Receiver Agreement		Status	Active	Display Language	English (OL)
Sender					
Communication Party					
Communication Component	BPM_MultipleRecords				
Receiver					
Communication Party					
Communication Component	BC_MultipleRecords				
Interface	SI_Receiver				
Namespace	File2RFC				
Description					
Receiver Communication Channel *	CC_Receiver				

Testing

Input File

```

<?xml version="1.0" encoding="UTF-8" ?>
- <ns1:MT_Sender xmlns:ns1="File2RFC">
- <Records>
  <MaterialName>Y-351</MaterialName>
  <PlantLocation>1100</PlantLocation>
  <UnitofMeasure>KG</UnitofMeasure>
</Records>
- <Records>
  <MaterialName>Y-352</MaterialName>
  <PlantLocation>1100</PlantLocation>
  <UnitofMeasure>KG</UnitofMeasure>
</Records>
- <Records>
  <MaterialName>Test</MaterialName>
  <PlantLocation>1100</PlantLocation>
  <UnitofMeasure>KG</UnitofMeasure>
</Records>
</ns1:MT_Sender>

```


Output File

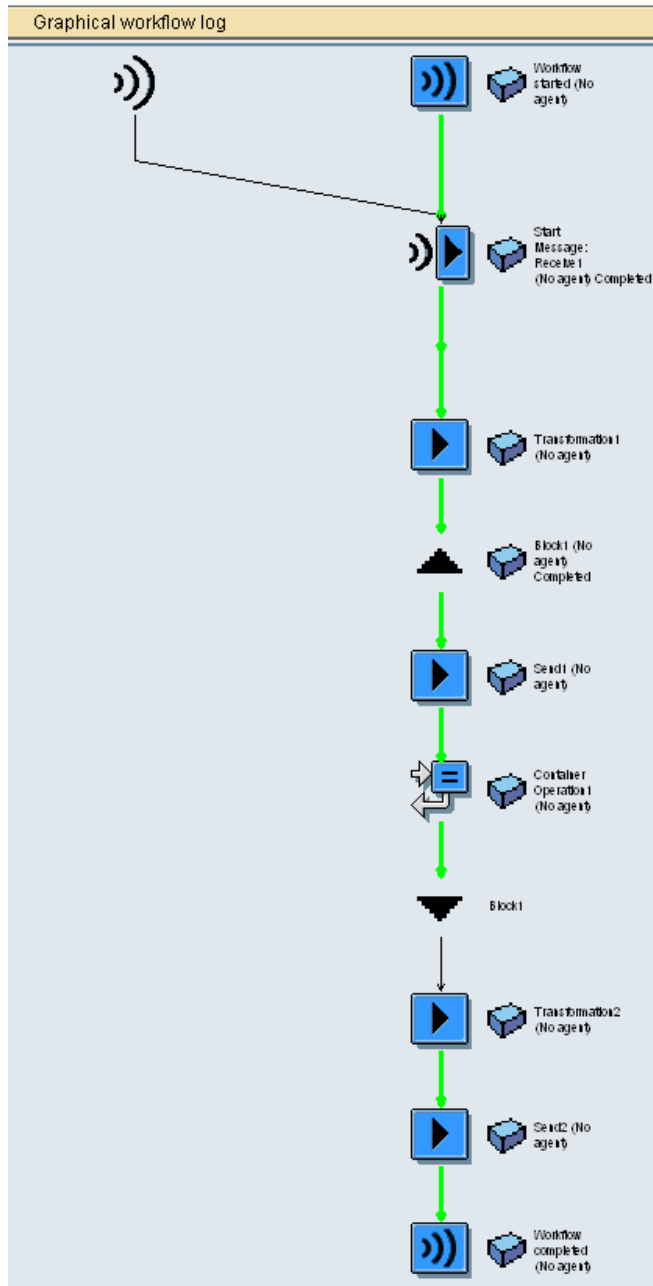
```

<?xml version="1.0" encoding="utf-8" ?>
- <ns2:MT_Receiver xmlns:ns2="File2RFC">
  - <Details>
    <Availability>5000.000</Availability>
    <Message />
  </Details>
  - <Details>
    <Availability>1000.000</Availability>
    <Message />
  </Details>
  - <Details>
    <Availability>0</Availability>
    <Message>Material Test not maintained in plant 1100</Message>
  </Details>
</ns2:MT_Receiver>
    
```

Messages in SXMB_MONI

Status	Ac	Executed From	Start Time	End Time	Sender Name	Sender Interface	Receiver Component	Receiver Namespace	Receiver Interface	Pipeline	Version	Type	QoS	Inbound	Outbound	
		04.10.2008	06:47:56	06:47:56	File2RFC	SI_Sender	BPM_MultipleReco	File2RFC	SI_Sender_ABS	CENTRAL	"Current Status"	Asyr	EO	AENGINE	PE	
			06:47:57	06:47:59	File2RFC	BAPI_SYNC_ABS	BC_RFC_Material	urn:sap-com:documen	BAPI_MATERIAL_f	CENTRAL	"Current Status"	Sync	BE	PE	AENGINE	
			06:47:59	06:47:59	File2RFC	BAPI_SYNC_ABS	BC_RFC_Material	urn:sap-com:documen	BAPI_MATERIAL_f	CENTRAL	"Current Status"	Sync	BE	PE	AENGINE	
			06:47:59	06:47:59						CENTRAL	"Current Status"	Sync	BE	AENGINE	PE	
			06:47:59	06:47:59						CENTRAL	"Current Status"	Sync	BE	AENGINE	PE	
			06:47:59	06:47:59						CENTRAL	"Current Status"	Sync	BE	AENGINE	PE	
			06:48:00	06:48:00	File2RFC	SI_Receiver_ABS	BC_MultipleReco	File2RFC	SI_Receiver	CENTRAL	"Current Status"	Asyr	EO	PE	AENGINE	

Graphical Workflow Log



Related Content

http://help.sap.com/saphelp_nw04/helpdata/en/f6/e1283f2bbad036e1000000a114084/frameset.htm

http://help.sap.com/saphelp_nw04/helpdata/en/3c/831620a4f1044dba38b370f77835cc/frameset.htm

http://help.sap.com/saphelp_nw04/helpdata/en/62/dcef46dae42142911c8f14ca7a7c39/frameset.htm

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.