|  |  |
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|  |  |
| Test Script  SAP S/4HANA - 17-09-20 | public |
| Bank Integration with SAP Multi-Bank Connectivity (16R\_DE) |

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# Purpose

With SAP Multi-Bank Connectivity (MBC), SAP establishes connections with your banks to automatically send payment instructions, receive status notifications, receive bank statements, and receive lockbox messages. Leveraging the monitoring capabilities, you can supervise the status of all payment instructions and see which bank statements are received and which expected bank statements are still missing. The monitoring is only available in combination with Advanced Cash Operations (J78).

This test script describes an example of the end-to-end process using manual steps to test the setup without needing to connect to an actual real bank. In an actual productive implementation, this process is fully automated.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Cash Management Specialist | SAP\_BR\_CASH\_SPECIALIST | Cash Management | SAP\_BR\_CASH\_SPECIALIST |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company have been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and vendors, for example, depending on the operational focus of your company.

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Bank | 50070010 |  |  |
| House Bank | DEBK1 |  |  |
| House Bank Account ID | DEAC1 |  |  |
| Bank Account Number | 1133698 |  |  |
| Country | DE |  |  |
| Company Code | 1010 |  |  |
| SWIFT/BIC | DEUTDEFFXXX |  |  |
| Currency | EUR |  |  |

## Business Conditions

Before this scope item can be tested, the following business conditions must be met.

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| J60 - Accounts Payable and/or  J78 - Advanced Cash Operations and  BFB - Basic Cash Operations | If the Full (Extended) Cash Management is implemented, before the test step Outgoing Integration ensure that either:   * The payment run has been executed and the paying house bank uses the payment medium format for MBC connectivity in test script Accounts Payable (J60), and the BCM batch has been approved the step Approval and Bank Integration in the Advanced Cash Operations (J78) test script. * A bank transfer is made and the paying house bank uses the payment medium format for MBC connectivity and the BCM batch has been approved in the Advanced Cash Operations (J78) test script. |
| J60 - Accounts Payable and/or  BFB - Basic Cash Operations | If the Basic (Core) Cash Management is implemented, before the test step Outgoing Integration ensure that: The payment run has been executed and the paying house bank uses the payment medium format for MBC connectivity in test script Accounts Payable (J60), the process is linked to current test script Bank Integration with SAP Multi-Bank Connectivity (16R) via a process interface mentioned in the Accounts Payable Bank Integration procedure in the Basic Cash Operations (BFB) test script, because no approval is needed (no BCM approval function is provided) when using Basic (Core) Cash Management. |
| BD9 - Sell from Stock (for SAP S/4HANA Enterprise Management or SAP S/4HANA Enterprise Management Cloud) or  J14 - Sales Order Processing - Project-Based Services (for SAP S/4HANA Enterprise Management Cloud or SAP S/4HANA Professional Services Cloud)  or any other scope items creating customer invoice | Before the test step Incoming Integration ensure that either:   * Another tester has created a billing document, and its customer item is open (uncleared). You can find open customer items in the app Manage Customer Line Items; in order to run this app, add accounts receivable related roles to your user, you may find these roles in the Accounts Receivable (J59) test script. * If you cannot find an existing open customer item, create a billing document by yourself. You can use test script Sell from Stock (BD9) or Sales Order Processing - Project-Based Services (J14) to create a billing document.   Make a note of the amount and reference (XBLNR in the header) of the FI document of billing document. This information is needed to simulate the incoming payment (credit) item in an electronic bank statement. In the bank statement, a credit item can be reconciled with customer invoice. |
| J59 - Accounts Receivable | Before the test step Incoming Integration ensure that either:   * Another tester has created a customer invoice, and its customer item is open (uncleared). You can find open customer items in the app Manage Customer Line Items; in order to run this app, add accounts receivable related roles to your user, you may find these roles in the Accounts Receivable (J59) test script. * If you cannot find an existing open customer item, create a customer invoice document by yourself. You can use test script Accounts Receivable (J59).   Make a note of the amount and reference (XBLNR in the header) of the FI document of billing document. This information is needed to simulate the incoming payment (credit) item in an electronic bank statement. In the bank statement, a credit item can be reconciled with customer invoice. |
| 2O0 - Bank Fee Management | Before you execute the Pull Bank Services Billing Files from MBC step, ensure that you:   * Execute the preliminary steps of the Bank Fee Management (2O0) test script. The Cash Scope of General Setting for Cash Management is set as Full Scope. * Create a Camt\_086 Bank Fee file for bank account 1133698 and save it locally on your PC. Make sure the file used in MBC has a different name and report ID (for example Camt\_086\_DE\_1133698\_00002.xml). The report ID is maintained in the <RptId> tag (for example RPT\_20170816\_DE\_50070010\_1010\_0002). |
| 2DP - Contract Accounting - Company Initiated Payments | Before the test step Route Payment Transaction Messages Initiated by SAP Systems ensure that you:   * The payment run is conducted, payment media file is generated. * The mandatory manual configuration is conducted to integrate Contract Accounting with Multi-Bank Connectivity. |
| 4MT - Advanced Payment Management | Before the test step Route Payment Files and Payment Transaction Messages ensure that all the preliminary steps of the Advanced Payment Management (4MT) test script are executed. |

## Preliminary Steps

### Create pain.002.001.03\_I071234\_01.xml

Context

This file is required for a later process step.

The xml file name must contain the string ‘pain.002.001.03’ (for example, pain.002.001.03\_I071234\_01.xml). Because MBC does not accept files with the same name, and more than one tester is testing this scenario, always use a different file name each time you test this step, and replace I071234 with a different ID you specified.

Procedure

In a text editor, paste the following code:

<?xml version="1.0" encoding="UTF-8"?>   
<Document xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:iso:std:iso:20022:tech:xsd:pain.002.001.03">   
 <CstmrPmtStsRpt>   
 <GrpHdr>   
 <MsgId>BBBB/100928-PSR/00120141222054500</MsgId>   
 <CreDtTm>2014-12-22T05:45:00</CreDtTm>   
 <InitgPty>   
 <Nm>Tools Inc. America</Nm>   
 <PstlAdr>   
 <StrtNm>Times Square</StrtNm>   
 <BldgNb>7</BldgNb>   
 <PstCd>NY 10036</PstCd>   
 <TwnNm>New York</TwnNm>   
 <Ctry>US</Ctry>   
 </PstlAdr>   
 </InitgPty>   
 <DbtrAgt>   
 <FinInstnId>   
 <BIC>DEUTDEFFXXX</BIC>   
 </FinInstnId>   
 </DbtrAgt>   
 </GrpHdr>   
 <OrgnlGrpInfAndSts>   
 <OrgnlMsgId>1000004611</OrgnlMsgId>   
 <OrgnlMsgNmId>pain.001.001.03</OrgnlMsgNmId>   
 <OrgnlCreDtTm>2014-12-21T20:38:42</OrgnlCreDtTm>   
 <OrgnlNbOfTxs>1</OrgnlNbOfTxs>   
 <OrgnlCtrlSum>1191.72</OrgnlCtrlSum>   
 </OrgnlGrpInfAndSts>   
 <OrgnlPmtInfAndSts>   
 <OrgnlPmtInfId>1000004611</OrgnlPmtInfId>   
 <OrgnlNbOfTxs>000000001</OrgnlNbOfTxs>   
 <OrgnlCtrlSum>1191.72</OrgnlCtrlSum>   
 <PmtInfSts>ACSP</PmtInfSts>   
 <TxInfAndSts>   
 <OrgnlEndToEndId>10102000000125</OrgnlEndToEndId>   
 <TxSts>ACSP</TxSts>   
 <OrgnlTxRef>   
 <Amt>   
 <InstdAmt Ccy="EUR">1191.72</InstdAmt>   
 </Amt>   
 <ReqdExctnDt>2014-12-23</ReqdExctnDt>   
 <PmtMtd>TRF</PmtMtd>   
 <RmtInf>   
 <Ustrd>PREF:TEST FOR PAIN.002</Ustrd>   
 </RmtInf>   
 <Cdtr>   
 <Nm>TEST SE</Nm>   
 </Cdtr>   
 </OrgnlTxRef>   
 </TxInfAndSts>   
 </OrgnlPmtInfAndSts>   
 </CstmrPmtStsRpt>   
</Document>

Save the file to a folder on your PC as pain.002.001.03\_I071234\_01.xml.

### Create camt.053.001.02\_I071234\_01.xml

Context

This file is required for a later process step.

The xml file name must contain the string ‘camt.053.001.02’ (for example, camt.053.001.02\_I071234\_01.xml). Because MBC does not accept files with the same name, and more than one tester is testing this scenario, always use a different file name each time you test this step, and replace I071234 with a different ID you specified.

Procedure

1. In a text editor, paste the following code:

<?xml version="1.0" encoding="utf-8"?>   
<Document xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:iso:std:iso:20022:tech:xsd:camt.053.001.02">   
 <BkToCstmrStmt>   
 <GrpHdr>   
 <MsgId>20141222102146</MsgId>   
 <CreDtTm>2014-12-22T00:00:00</CreDtTm>   
 <MsgPgntn>   
 <PgNb>00001</PgNb>   
 <LastPgInd>false</LastPgInd>   
 </MsgPgntn>   
 </GrpHdr>   
 <Stmt>   
 <Id>CAMSLINK01000249</Id>   
 <ElctrncSeqNb>00006</ElctrncSeqNb>   
 <CreDtTm>2014-12-22T00:00:00</CreDtTm>   
 <Acct>   
 <Id>   
 <Othr>   
 <Id>1133698</Id>   
 </Othr>   
 </Id>   
 <Svcr>   
 <FinInstnId>   
 <BIC>DEUTDEFFXXX</BIC>   
 </FinInstnId>   
 </Svcr>   
 </Acct>   
 <Bal>   
 <Tp>   
 <CdOrPrtry>   
 <Cd>PRCD</Cd>   
 </CdOrPrtry>   
 </Tp>   
 <Amt Ccy="EUR">5002.30</Amt>   
 <CdtDbtInd>CRDT</CdtDbtInd>   
 <Dt>   
 <Dt>2014-12-22</Dt>   
 </Dt>   
 </Bal>   
 <Bal>   
 <Tp>   
 <CdOrPrtry>   
 <Cd>CLBD</Cd>   
 </CdOrPrtry>   
 </Tp>   
 <Amt Ccy="EUR">4018.83</Amt>   
 <CdtDbtInd>CRDT</CdtDbtInd>   
 <Dt>   
 <Dt>2014-12-22</Dt>   
 </Dt>   
 </Bal>   
 <Ntry>   
 <Amt Ccy="EUR">208.25</Amt>   
 <CdtDbtInd>CRDT</CdtDbtInd>   
 <Sts>BOOK</Sts>   
 <BookgDt>   
 <Dt>2014-12-22</Dt>   
 </BookgDt>   
 <ValDt>   
 <Dt>2014-12-22</Dt>   
 </ValDt>   
 <AcctSvcrRef>MBC TEST AcctSvcrRef Item 1</AcctSvcrRef>   
 <BkTxCd>   
 <Prtry>   
 <Cd>PMNTRCDTDMCT</Cd>   
 </Prtry>   
 </BkTxCd>   
 <NtryDtls>   
 <TxDtls>   
 <Refs>   
 <ChqNb>MMTEST</ChqNb>   
 </Refs>   
 <AddtlTxInf>4711</AddtlTxInf>   
 </TxDtls>   
 </NtryDtls>   
 <AddtlNtryInf>4711</AddtlNtryInf>   
 </Ntry>   
<Ntry>   
 <Amt Ccy="EUR">1191.72</Amt>   
 <CdtDbtInd>DBIT</CdtDbtInd>   
 <Sts>BOOK</Sts>   
 <BookgDt>   
 <Dt>2014-12-22</Dt>   
 </BookgDt>   
 <ValDt>   
 <Dt>2014-12-22</Dt>   
 </ValDt>   
 <AcctSvcrRef>MBC TEST AcctSvcrRef Item 1</AcctSvcrRef>   
 <BkTxCd>   
 <Prtry>   
 <Cd>PMNTICDTDMCT</Cd>   
 </Prtry>   
 </BkTxCd>   
 <NtryDtls>   
 <TxDtls>   
 <Refs>   
 <ChqNb>1000004611</ChqNb>   
 </Refs>   
 <AddtlTxInf>4712</AddtlTxInf>   
 </TxDtls>   
 </NtryDtls>   
 <AddtlNtryInf>4712</AddtlNtryInf>   
 </Ntry>   
 <AddtlStmtInf>MBC Test AddtlSmtInf</AddtlStmtInf>   
 </Stmt>   
 </BkToCstmrStmt>   
</Document>

2. Save the file to a folder on your PC as camt.053.001.02\_I071234\_01.xml.

### Check Alternative Format Type

Use

In this activity, you check the alternative format type. Alternative format type determines how the payment medium file is transmitted to banks or a payment service provider.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Gui System as a Configuration Expert - Business Process Configuration. | The SAP Gui System displays. |  |
| 2 | Enter Transaction Code | Enter Transaction Code SPRO in Command Bar. | The Customizing: Execute Project screen displays. |  |
| 3 | Open SAP Reference IMG | Open SAP Reference IMG. | The SAP Reference IMG screen displays. |  |
| 4 | Maintain Routing Settings | Choose the following navigation option:  Financial Accounting > Accounts Receivable and Accounts Payable > Business Transactions > Outgoing Payments > Automatic Outgoinng Payments > Set Up Payment Methods per Country for Payment Transactions | The Payment Method/Country”: Overview displays. |  |
| 5 | Select Payment Method | Double click the payment method (for example, Country DE + Pmt Method T). | The Change View “Payment Method/Country”: Details view is displayed. |  |
| 6 | Check Alternative Format | Choose Format in Company Code. | The Change View “PMW Format”: Overview view is displayed.  The alternative format type determines in which way the payment medium file is transmitted to banks or payment service provider. Ensure that the alternative format type is set SAP Multi-Bank Connectivity.  The other integration option is blank value. Refer to the test procedure in Bank Integration with File Interface (1EG). |  |

### Adapt Payment Medium File Structure for Supplier Financing

Use

In this activity, you adapt the payment medium file structure to match bank’s standard. The payment medium file sued for supplier financing is based on PAIN.001.001.03 format.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration. |  |  |
| 2 | Enter Transaction Code | Enter Transaction Code DMEEX in Command Bar. | The DME Engine Extended: Initial Screen displays. |  |
| 3 | Copy Format Mapping | Make the following entries and choose Copy… .  Tree type: PAYM  Format Tree: for example, US\_CGI\_XML\_CT | The Copy Format Mapping US\_CGI\_XML\_CT dialog box is displayed. |  |
| 4 | Confirm New Format Mapping | In the dialog box, make the following selections:  Target Format Tree: for example, /DSSF\_US\_CGI\_XML\_CT  Create as a child: for example, SELECTED | A new Format Mapping is created. |  |
| 5 | Adapt Format Structure | Expand the structure tree, select node Nm under PmtInf->CdtTrfTxInf->Cdtr. Choose + Create Note from the toolbar on the top left-hand.  Name the new node as Id. Make the following entries and press Enter:  Name: Id  Short Description: Internal Supplier Id  Status: Standard  Level: 3  Length: 0  Type: Character  Conversion Function: Character string: left-justified, replace leading 0 (CL R0)  Mapping Procedure: Structure Field  Structure Field: FPAYH-GPA1R  Adapt the change for other node as below:  Remove the conditions of node PmtTplnf under PmtInf.  Modify the node Cd under PmtInf->PmtTpInf->CtgyPurp  Mapping Procedure: Constant  Constant: TRAD  Select the node RltdDt under RmtInf->Strd->RfrdDocInf->RltdDt, choose + Create Note from the toolbar on the top left-hand side, choose Create Atom > As Subnode to create following elements on at the lower level.  Node YYYY:  Name: YYYY  Status: Standard  Length: 4  Target Offset: 0  Type: Character  Conversion Function: Character string: left-justified (CL)  Mapping Procedure: Structure Field  Structure Field: FPAYP-BLDAT  Node MM:  Name: MM  Status: Standard  Length: 2  Target Offset: 5  Type: Character  Conversion Function: Character string: left-justified (CL)  Mapping Procedure: Structure Field  Structure Field: FPAYP-BLDAT+004  Node DD:  Name: DD  Status: Standard  Length: 2  Target Offset: 8  Type: Character  Conversion Function: Character string: left-justified (CL)  Mapping Procedure: Structure Field  Structure Field: FPAYP-BLDAT+006  Node -:  Name: -  Status: Standard  Length: 1  Type: Character  Conversion Function: Character string: left-justified (CL)  Mapping Procedure: Constant  Constant: - | The format mapping is successfully adapted. |  |
| 6 | Activate Format Mapping | Choose Activate to activate the format mapping. | The format mapping is successfully released. |  |

### Enable Situation Framework

Use

In this activity, you enable the situation framework for Multi-Bank Connectivity.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration. |  |  |
| 2 | Access App | Open Manage Situation Types. |  |  |
| 3 | Select Filter Criteria | In the filters area, make the following selections:  ID: FIN\_MBC\_BANK\_MESSAGE\_ERROR | A situation template is displayed. |  |
| 4 | Copy Situation Type | Choose the situation template item and choose Copy. | A new situation type is to be created in the Situation Type view. |  |
| 5 | Create a Situation Type | In the Situation Type view make the following entries and choose Save.  ID: for example, ZFIN\_SIT\_MESSAGE\_ERROR  Monitor Instances: ticked | A new situation type is created. |  |

# Overview Table

This scope item consists of several process steps provided in the table below.

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step, Report or Item | Business Role | Transaction/App | Expected Results |
| [Create Payment Medium](#unique_14) [page ] 19 | Cash Management Specialist |  | The procedure is completed automatically. |
| [Send Payment Instruction to MBC (Optional)](#unique_15) [page ] 20 | Cash Management Specialist |  | The payment medium file is automatically sent to Multi-Bank Connectivity (MBC) and you verify that the file displays in the correct folder of the SFTP server. |
| [Pull Status Message from MBC (Optional)](#unique_16) [page ] 21 | Cash Management Specialist |  | Bank sends the payment status message to MBC to acknowledge that payment medium file has been accepted by bank. And SAP S/4HANA pulls the payment status message from MBC. |
| [Pull Bank Statement from MBC](#unique_17) [page ] 24 | Cash Management Specialist | Manage Bank Statements (F1564) | MBC maps the local bank statement format to correct format and SAP S/4HANA pulls that bank statement from MBC. |
| [ISO CAMT.053 Format](#unique_18) [page ] 25 | Cash Management Specialist | Manage Bank Statements (F1564) |  |
| [MT940 Format](#unique_19) [page ] 29 | Cash Management Specialist | Manage Bank Statements (F1564) |  |
| [Import Electronic Bank Statement](#unique_20) [page ] 33 | Cash Management Specialist |  | After the CAMT.053 bank statement is pulled from MBC, the electronic bank statement is imported automatically and the postings in bank accounting and subledger accounting are then carried out. |
| [Pull Bank Services Billing Files from MBC](#unique_21) [page ] 34 | Cash Management Specialist |  | The file is placed in the SFTP folder. |
| [Route Payment Files](#unique_22) [page ] 35 |  |  |  |
| <#unique_23> |  |  |  |
| [Route Payment Files Initiated by non-SAP Systems](#unique_24) [page ] 36 |  |  | A CSV payment file which imported from MBC is simulated. |
| [MBC Connector Monitor](#unique_25) [page ] 37 | Cash Management Specialist | Connector Monitor (/BSNAGT/FILE\_MONI) | The message content is displayed. |
| [Situation Handling](#unique_26) [page ] 38 | Configuration Expert - Business Process Configuration | Monitor Situations (F3264) | The failed messages in situation framework is monitored centrally. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Outgoing Integration

### Create Payment Medium

Context

In this process step, the payment medium file (DME file) for the payment medium format of Multi-Bank Connectivity (MBC) is created automatically.

Prerequisite

If the Full (Extended) Cash Management is implemented with BCM (Bank Communication Management), after the outgoing payment is executed (whether through the payment run for vendor in Accounts Payable (J60) test script, or making bank transfer in Advanced Cash Operations (J78) test script), and the BCM batch of this outgoing payment is approved (described in step Approval and Bank Integration in Advanced Cash Operations (J78) test script), the payment medium file is created automatically.

If the Basic (Core) Cash Management is implemented, after the payment run is executed (described in Accounts Payable (J60) test script), the payment medium file is created automatically if the payment method is using the payment medium workbench (PMW) format.

Because Basic and Full Cash Management cannot be tested in the same client at the same time, contact your test organizer to ensure the version of Cash Management to be tested in the current testing client.

Test scripts relevant to Basic Cash Operations are:

* Basic Cash Operations (BFB)

Test scripts relevant to Full Cash Operations are:

* Advanced Cash Operations (J78)

If in customizing, the PMW medium format for MBC connectivity is assigned to the payment method as the default format. The payment medium file is sent to MBC automatically when SAP S/4HANA is connected to MBC, which will be described in next procedure.

Procedure

This step is done automatically.

### Send Payment Instruction to MBC (Optional)

Context

If SAP S/4HANA is integrated with Multi-Bank Connectivity (MBC), and a payment medium workbench (PMW) format for MBC connectivity is created, the payment medium file is sent to MBC automatically via the MBC connector. This payment medium file displays in the Secure File Transfer Protocol (SFTP) folder if this file has no error.

In this activity, you verify if the payment medium file reaches the SFTP server successfully. The following internal optional test step is the simulation of communication between S/4HANA and SFTP server. You can skip the step if the connection is not running Instead, check whether the outgoing message is displayed in the MBC Connector Monitor step.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Access the SFTP Folder | Access the SFTP folder.  For example: /home/S4HTESTHCI/simbank/inbox/s4hana/v0115/BankConnectivity/Bank\_ModelS/QE4212/PAIN.001.001.03/DEUTDEFFXXX  The path of the SFTP server folder depends on testing system, tenant, payment medium format, SWIFT/BIC of house bank.  The path provided in this test script is only an example. To get the specific path in the SFTP folder for your specific testing system and client and to get the information about how to access the SFTP folder, contact your test organizer.  In the example, this path stores the payment files with format ISO PAIN001 Credit Transfer (format depends which payment method and paying house bank you used), which are sent out from system QE4 client 212 to MBC tenant v0115, and the paying house bank’s SWIFT/BIC is DEUTDEFFXXX (the SWIFT/BIC of house bank DEBK1). |  |  |
| 2 | Verify File | Verify that the payment medium file appears in the SFTP server folder. A new file, for example, DTA150925051453\_0279.xml displays in the folder. |  |  |
| 3 | Review File | Open and review the XML file to determine if the information (such as amount or bank information) is consistent with the outgoing payment from a house bank account you approved. |  |  |
| 4 | Note Message Number | Make a note of the values of the following fields in the XML file:   * <MsgId>Message ID</MsgId>. For example, 1000004611 * <PmtInfId>Payment Information ID</PmtInfId> for example, 1000004611 * <CtrlSum>Amount</CtrlSum> for example, 1191.72 * <EndToEndId>Payment Document Number</EndToEndId> for example: 10102000000125   For example:   * + Message ID: 1000004611   + Payment information ID: 1000004611   + Amount: 1191.72   + Payment document number: 10102000000125   Note An XML file may contain several payment documents. In this example, there is only one payment document in the XML file.  For the non-pain.001 payment medium formats (formats other than CGI credit transfer or SEPA credit transfer), you may not find the information listed previously. For these payment media, skip the current test step and proceed to the Pull Bank Statement from MBC procedure.  Use payment method with name such as ISO PAIN.001 Credit Transfer or SEPA CT Credit Transfer for simplicity. The setting is country specific and you can check the payment media format assigned via SSCUI 101972 Set Up Payment Methods per Country for Payment Transactions. |  |  |

### Pull Status Message from MBC (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The bank sends the payment status file to Multi-Bank Connectivity (MBC) to acknowledge that payment medium file is accepted. The system pulls the payment status file from MBC automatically.

When testing in SAP S/4HANA with Basic Cash Management, skip this step. Bank Communication Management (BCM) is not in scope. The Status Message pulled from MBC cannot update the BCM status.

If J78 - Advanced Cash Operations is scope and Automatically Reversing Rejected Payments prerequisite is met, a rejection payment status message will trigger automatic reversal workflow. After confirmation, the payment document can be reversed. Refer to Process Rejected Payments (Option) in test script of J78 Advanced Cash Operations for the business process.

Prerequisite

In the Preliminary Steps section of the Prerequisites, you created the pain.002.001.03\_I071234\_01.xml file.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Retrieve the XML File | As part of the Prerequisites procedures, you created an XML file and added to a folder of your system. The XML file name must contain the string pain.002.001.03, for example, pain.002.001.03\_I071234\_01.xml.  Retrieve the file for this procedure.  Because MBC does not accept files with the same name, if more than one tester is testing this scenario, always use a different file name each time you test this step, replacing I071234\_01 with a different ID you specify. |  |  |
| 2 | Open the XML file | Open the XML file in a text editor. |  |  |
| 3 | Edit XML file | Replace the values of the following fields:  pain.002.001.03\_I071234\_01.xml by the values you noted down in the previous [Send Payment Instruction to MBC](#unique_15) procedure, and save the pain.002.001.03\_I071234\_01.xml file locally.  The following values are provided as examples. Use the values from the previous [Send Payment Instruction to MBC](#unique_15) procedure.  XML Values:  <MsgId>Message ID</MsgId>, for example <MsgId> BBBB/100928-PSR/00120141222054500</MsgId>  Note 00120141222054500 is the real system data and time 001YYYYMMDDHHMMSS  <BIC>BIC</BIC>, for example, <BIC>DEUTDEFFXXX</BIC>  Note You can find the BIC of house bank DEBK1 in the Manage Banks (F1574) app  <OrgnlMsgId>Original Message ID</OrgnlMsgId>, for example, <OrgnlMsgId>1000004611</OrgnlMsgId>  <OrgnlCtrlSum>Amount</OrgnlCtrlSum> in <OrgnlGrpInfAndSts></OrgnlGrpInfAndSts>, for example, <OrgnlCtrlSum>1191.72</OrgnlCtrlSum>  <OrgnlPmtInfId>Original Payment Information ID</OrgnlPmtInfId>, for example, <OrgnlPmtInfId>1000004611</OrgnlPmtInfId>  <OrgnlCtrlSum>Amount</OrgnlCtrlSum> in <OrgnlPmtInfAndSts>< /OrgnlPmtInfAndSts>, for example, <OrgnlCtrlSum> 1191.72</OrgnlCtrlSum>  <OrgnlEndToEndId>Payment Document Number</OrgnlEndToEndId>, for example, <OrgnlEndToEndId>10102000000125</OrgnlEndToEndId>  <InstdAmt Ccy="EUR">Amount</InstdAmt>, for example, <InstdAmt Ccy="EUR">1191.72</InstdAmt> |  |  |
| 4 | Upload XML File | Upload the XML file you edited to the SFTP server folder.  For example, upload to the folder /home/S4HTESTHCI/simbank/outbox/s4hana/v0115/QE4212/DE BANK 1  The internal test step is the simulation of communication between S/4HANA and SFTP server. You can run test program /BSNAGT/TEST\_INBOUND\_MSG2 via transaction code SA38 if the connection is not running. Populate PAIN.002.001.03 in the message type field and C:\Users\I071234\Desktop\pain.002.001.03\_I071234\_01.xml. in the file name field via search help. After execution, check whether incoming message is displayed in the MBC Connector Monitor. | The XML file disappears from the SFTP server folder. A background job is scheduled to pull the payment status from MBC to SAP S/4HANA every 10 minutes. |  |
| 5 | Path to SFTP Server Folder | Note The path to the SFTP server folder for payment status messages depends on the testing system, country, and house bank. For more information on accessing the MBC bank tenants or SFTP server, contact the test organizer for help. In this example, a PAIN002 file for house bank/account ID DEBK1/DEAC1 in country DE is pulled from MBC. |  |  |

## Incoming Integration

### Pull Bank Statement from MBC

Purpose

For banks with a Multi-Bank Connectivity (MBC) connection, for example, DEBK1, bank statements are handled by MBC. You can check whether MBC is enabled for a specific combination of company code, payment method house bank and payment media format in the preliminary step Check Alternative Format Type. SAP S/4HANA pulls the supported bank statement messages from MBC and then imports it automatically.

A transaction type must be maintained in the field transaction type on the tab of Bank Relationship. You can refer to test script BFA or J77 change bank account section.

You can also define new transaction types in SSCUI 101024 Manage Global Settings for Electronic Bank Statement.

#### ISO CAMT.053 Format

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

In the Preliminary Steps of the Prerequisites section, you created an xml file and saved it to a folder of your PC.

The XML file name must contain the string camt.053.001.02, for example, camt.053.001.02\_AB12345\_01.xml.

Access that XML file and using a text editor, edit the file Because MBC does not accept files with the same name, and more than one tester isfor these XML values:

|  |  |  |
| --- | --- | --- |
| XML Text | Example | Comment |
| <MsgId>Message ID</MsgId> | <MsgId>20141222102146</MsgId> | 20141222102146 is the real system data and time YYYYMMDDHHMMSS |
| <ElctrncSeqNb>Bank Statement Number</ElctrncSeqNb> | <ElctrncSeqNb>00006</ElctrncSeqNb> | The next bank statement number |
| <Id>Account Number</Id> in <Othr></Othr> | <Id>1133698</Id> | The account number of house bank/account ID DEBK1/DEAC1 |
| find a customer invoice<BIC>BIC</BIC> | <BIC>DEUTDEFFXXX</BIC> | You can find the BIC of house bank DEBK1 using the Manage Banks (F1574) SAP Fiori app. |
| <Amt Ccy="EUR">Opening Balance</Amt> in the first <Bal></Bal> | <Amt Ccy="EUR">5002.30</Amt> | Opening balance = closing balance of latest imported bank statement |
| <Dt>Opening Balance Date</Dt> in the first <Bal></Bal> | <Dt>2014-12-22</Dt> |  |
| <Amt Ccy="EUR">Closing Balance</Amt> in the second <Bal></Bal> | <Amt Ccy="EUR">4018.83</Amt> | Closing balance = opening balance - debit amount + credit amount; For example, 4018.83=5002.30+208.25-1191.72 |
| <Dt>Closing Balance Date</Dt> in the second <Bal></Bal> | <Dt>2014-12-22</Dt> |  |
| <Amt Ccy="EUR">Item Amount</Amt> in the first <Ntry></ Ntry> | <Amt Ccy="EUR">208.25</Amt> | Customer invoice amount |
| <BookgDt><Dt>Booking Date</Dt></BookgDt> in the first <Ntry></ Ntry> | <BookgDt><Dt>2014-12-22</Dt></BookgDt> |  |
| <ValDt><Dt>Value date</Dt></ValDt> in the first <Ntry></ Ntry> | <ValDt><Dt>2014-12-22</Dt></ValDt> |  |
| <ChqNb>Reference</ChqNb> in the first <Ntry></ Ntry>. | <ChqNb>MMTEST</ChqNb> which is the reference of customer invoice. | Customer invoice reference |
| <Amt Ccy="EUR">Item Amount</Amt> in the second <Ntry></ Ntry> | <Amt Ccy="EUR">1191.72</Amt> | The payment amount in the [Send Payment Instruction to MBC (Optional)](#unique_15) [page ] 20 step |
| <BookgDt><Dt>Booking Date</Dt></BookgDt> in the second <Ntry></ Ntry> | <BookgDt><Dt>2014-12-22</Dt></BookgDt> |  |
| <ValDt><Dt>Value date</Dt></ValDt> in the second <Ntry></ Ntry> | <ValDt><Dt>2014-12-22</Dt></ValDt> |  |
| <ChqNb>Reference</ChqNb> in the second <Ntry></ Ntry> | <ChqNb>1000004611</ChqNb> | The payment information ID in the [Send Payment Instruction to MBC (Optional)](#unique_15) [page ] 20 step |

Prerequisite

Per the Business Conditions section in this document, you must execute the Enter Invoice without Sales Order procedure in Accounts Receivable (J59), Sell from Stock (BD9), or Sales Order Processing - Project-Based Services (J14) to create a customer invoice. Make a note of amount and reference (XBLNR in the header) of the customer invoice document. You use this information when simulating an electronic bank statement.

Procedure

Perform the following steps to simulate an ISO CAMT.053 bank statement for house bank/account ID DEBK1 /DEAC1 directly. MBC gets it from the SFTP server and the SAP S/4HANA system pulls the ISO CAMT.053 bank statements from MBC.

In this example, the simulated bank statement contains two line items:

* First item: a credit item which should be reconciled with an existing customer invoice (created as per Prerequisites above).
* Second item: a debit item that should be reconciled with the payment document created in the [Send Payment Instruction to MBC (Optional)](#unique_15) [page ] 20 step.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Cash Management Specialist. |  |  |
| 2 | Access the SAP Fiori App | Open Manage Bank Statements (F1564). |  |  |
| 3 | Enter Criteria | To get the latest imported bank statement number, make the following entries and choose Go:  Company Code: 1010  House Bank: DEBK1  House Bank Account: DEAC1  Latest Statement: Latest only | The latest bank statement number of the specified bank account displays on the Manage Bank Statements (F1564) view.  The next bank statement number is one greater than the latest bank statement number. For example, if the latest bank statement number is 00005, the next number is 00006. If no latest bank statement was found, the next number should be 00001. |  |
| 4 | Closing Balance of Latest Bank Statement | Make a note of the closing balance of the specified bank account. It can be found on the Manage Bank Statements (F1564) view. | The closing balance of the latest bank statement should be the opening balance of the next bank statement.  If no latest bank statement was found, the opening balance of the next bank statement should be zero. |  |
| 5 | Access the XML File | Open the camt.053 xml file with a text editor, for example, camt.053.001.02\_AB12345\_01.xml. Because MBC does not accept files with the same name, and more than one tester is testing this scenario, use a different file name every time when you test this step, and replace AB12345 by a different ID you specified. |  |  |
| 6 | Edit the XML File | Modify the XML file as previously described in the Prerequisites.  In the ISO CAMT.053 bank statement file, always use ‘.’ as decimal point (don't use ‘,’). The date format should be YYYY-MM-DD. |  |  |
| 7 | Upload XML File | Upload the XML file you edited to the SFTP server folder.  For example, copy to the folder /home/S4HTESTHCI/simbank/outbox/s4hana/v0115/QE421 2/DE/BANK1  The internal test step is the simulation of communication between S/4HANA and SFTP server. You can run test program /BSNAGT/TEST\_INBOUND\_MSG2 via transaction code SA38 if the connection is not running. Populate CAMT.053.001.02 in the message type field and C:\Users\AB12345\Desktop\camt.053.001.02\_AB12345\_01.xml. in the file name field via search help. After execution, check whether incoming message is displayed in the MBC Connector Monitor.  The path of the SFTP server folder for bank statements depends on testing system, tenant, country, and house bank.  If you want to get sufficient information on how to access the MBC bank tenants or SFTP server, please contact test organizer for help.  In this example, a CAMT.053 file for house bank/account ID DEBK1/DEAC1 in country DE is pulled from MBC. | The xml file is removed from the SFTP server folder in several seconds. A background job is scheduled to pull the bank statement from MBC to the S/4HANA system every 10 minutes. |  |
| 8 | Repeat bank statement upload | Repeat the Steps from Step 3 to Step 7 for camt.053.001.02\_AB12345\_02.xml. |  |  |

#### MT940 Format

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Prerequisite

As already described in section Business Condition, find a customer invoice created by another tester (the customer item must be uncleared), or perform step Enter Invoice without Sales Order in Accounts Receivable (J59), or Sell from Stock (BD9), Sales Order Processing - Project-Based Services (J14) to create a customer invoice. Make a note of the amount and reference (XBLNR in the header) of the customer invoice document. You need this information when simulating an electronic bank statement.

Perform step Bank Transfer Actions in test script J78: make a bank transfer with a payment method using payment medium format for MBC connectivity from bank account 1133698 of bank 50070010 to bank account 2580061 of bank 82080000 , amount EUR 1191,72, please note down the information described in the Pull Status Message from MBC procedure.

Create a new text file and name it MT940\_DE\_DEBK1\_00006.txt. Enter the following text into it and save it locally on your PC:

{1:F01[type 12 spaces here]0000000000}{2:O9401829041029LRLRXXXX4A0500004554351306031829N}{4:

:20:20141222173000

:25:DEUTDEFFXXX/1133698

:28C:00006/1

:60F:C141212EUR5002,30

:61:141212C208,25NMSC0815

:86:051?00TestSAP?200090000008?32SCOTT

:61:141212D1191,72NMSC1000004612

:86:020?00TestSAP?204712?32SMITH

:62F:C141212EUR4018,83

-}

Note Replace [type 12 spaces here] in the first line with the real 12 spaces in your MT940.txt file.

If incoming MT940 bank statement file is split across multiple physical files with one page per file, it is supported in MBC to merge multiple files. The following prerequisites must be met to support this feature.

* Scenario is just applicable for the channel SWIFT
* It is only available for customers who have an MBC connection to their bank.
* Time limit:

If all multiple files in a statement sequence are not delivered within an MBC defined period of time, the incomplete MT940 file is forwarded anyway, as the statement aggregation assumes that a bank always sends all part-MT940s and MBC will not hold a partial MT940 without notifying the customer.

Procedure

Perform the following steps to simulate a MT940 bank statement for house bank/account DEBK1/DEAC1. MBC maps the MT940 statement format to an ISO CAMT.053 format automatically, and the SAP S/4HANA system pulls the ISO CAMT.053 bank statement from MBC.

In this example, the simulated bank statement contains two line items:

* First item: a credit item that is reconciled with an existing customer invoice. The customer invoice has been created (see the Prerequisites).
* Second item: a debit item that is reconciled with the payment document that was previously created in the Send Payment Instruction to MBC procedure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Cash Management Specialist. |  |  |
| 2 | Access the SAP Fiori App | Open Manage Bank Statements (F1564). | The Manage Bank Statements (F1564) view displays. |  |
| 3 | Get Latest Bank Statement Number | To get the latest imported bank statement number, choose Show Filter Bar if search criteria are hidden, and make the following entries:  Company Code: 1010  House Bank: DEBK1  House Bank Account: DEAC1  Latest Statement: Latest only  and choose Go. | The latest bank statement number of the specified bank account displays on the Manage Bank Statements view.  The next bank statement number is one greater than the latest bank statement number. For example, if the latest bank statement number is 00005, the next number is 00006. If no latest bank statement was found, the next number should be 00001. |  |
| 4 | Get Closing Balance | Make a note of the closing balance of the specified bank account. It can be found on the Manage Bank Statements view. | The closing balance of the latest bank statement should be the opening balance of the next bank statement.  If no latest bank statement was found, the opening balance of the next bank statement should be zero. |  |
| 5 | Save File | Refer to the text file MT940\_DE\_DEBK1\_00006.txt you previously created in the Prerequisite section. The txt file name must contain the string MT940, for example, MT940\_DE\_DEBK1\_00006.txt.  Note MBC does not accept files with the same name. If more than one tester is testing this scenario, use a different file name every time when you test this step. |  |  |
| 6 | Open File | Using a text editor, open this txt file. |  |  |
| 7 | Edit File | Modify the txt file.  Note In the MT940 bank statement file, always use ‘,’ as decimal point (don't use ‘.’). And the date format should be YYMMDD.  Edit the following values in the MT940 file:  Tag :20: (Bank Statement Reference): use current time as the bank statement reference during testing, format YYYYMMDDHHMMSS, for example 20141222173000.  Tag :25: (Account definition): SWIFT code of bank/account number, for example, DEUTDEFFXXX/  1133698, DEUTDEFFXXX is the SWFIT code of DEBK1, 1133698 is the account number of DEBK1. Edit tag :25: if you are not using DEBK1 during testing.  Tag :28C: Statement number/page number, for example, 00006/1, statement number should be incremented by 1 for a new bank statement.  Tag :60F: (Opening balance information): for example, C141212EUR5002,30. Replace 141212 by the current date, format YYMMDD; replace 5002,30 by the closing balance of latest imported bank statement, or 0,00 for the first bank statement.  First tag :61: in this example, 141212 is the value date (format YYMMDD), replace it by the current date; 208,25 is the amount of the incoming payment from customer, it should be equal to the receivables of customer invoice mentioned in Prerequisites.  First tag :86: in this example, 0090000008 (after indicator ?20) is the reference of customer invoice (XBLNR), replace it by the reference of the customer invoice mentioned in Prerequisites.  Second tag :61: in this example, 141212 is the value date (format YYMMDD), replace it by the current date; 1191,72 is the amount of an outgoing payment transaction, it should be equal to the amount of the payment document of bank transfer, which is described in Prerequisites; 1000004612 is the reference number, replace it by the Payment information ID you noted down previously from the Send Payment Instruction to MBC procedure:  Tag :62F: (Closing balance information): for example, C141212EUR4018,83. Replace 141212 by the current date, format YYMMDD; replace 4018,83 by the calculated closing balance, for example, closing balance = 5002,30 + 208,25 - 1191,72 = 4018,83.  . |  |  |
| 8 | Upload File | Upload the txt file you edited to the SFTP server folder.  For example, upload to the folder /home/S4HTESTHCI/simbank/outbox/s4hana/v0115/QE4212/DEDEBK1  The internal test step is the simulation of communication between S/4HANA and SFTP server. You can run test program /BSNAGT/TEST\_INBOUND\_MSG2 via transaction code SA38 if the connection is not running. Populate MT940 in the message type field and C:\Users\I071234\Desktop\MT940\_DE\_DEBK1\_00006.txt. in the file name field via search help. After execution, check whether incoming message is displayed in the MBC Connector Monitor.  Note The path of SFTP server folder for bank statements depends on the testing system, tenant, country, and house bank. If you want to get sufficient information on how to access the MBC bank tenants or SFTP server, please contact your test organizer for help.  In this example, a MT940 bank statement file for house bank/account ID  DEBK1/DEAC1 in country DE is pulled from SFTP by MBC. | The txt file vanishes from the SFTP server folder in several seconds.  A background job is scheduled to pull the bank statement from MBC to the SAP S/4HANA system every 10 minutes. |  |

### Import Electronic Bank Statement

Purpose

After the bank statement is pulled from Multi-Bank Connectivity (MBC), SAP S/4HANA imports the electronic bank statement automatically. The postings in bank accounting and subledger accounting should be performed.

The following posting rules are available for bank statement processing:

|  |  |
| --- | --- |
| Transactions | Text |
| F001 | Cash receipt via interim account |
| F002 | Checks In |
| F003 | Checks Out |
| F004 | Transfer Domestic/SEPA/Foreign |
| F005 | Other Disbursements |
| F006 | Other Receipts |
| F007 | Cash Payment |
| F008 | Cash Receipt |
| F009 | Direct Debit / Collection |
| F010 | Vendor Direct Debit |
| F011 | Bank Fee |
| F012 | Interest Received |
| F013 | Interest Paid |
| F014 | Returns Collection / Direct debit |
| F015 | Returns vendor direct debit |
| F016 | Unallocated Credit |
| F017 | Unallocated Debit |
| FCD1 | Direct Check Deposit |
| FCD2 | Check Deposit via interim Account |

Procedure

After the background job pulls the bank statement from MBC, SAP S/4HANA imports the bank statement automatically. You can monitor the imported electronic bank statements in the Fiori App Manage Bank Statements.

There is a column Manual Bank Statement to indicate if the bank statement is a manual bank statement or an imported electronic bank statement.

If the Cash Management Full (Extended) version is implemented in the system, then you review the relevant payment document using the Check Cash Flow Items (F0735), to review the status. The status of the batch item should now be Stmt. Received.

Restriction The Check Cash Flow Items (F0735) app is not available in the Cash Management Basic (Core) version.

### Pull Bank Services Billing Files from MBC

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In this activity, you simulate an ISO CAMT.086 bank fee file for bank 1133698 import from MBC. SAP S/4HANA pulls the ISO CAMT.086 bank fee file from MBC and imports it automatically.

You can either upload the bank fee file manually via the Import Bank Services Billing Files app or import it via Multi-Bank Connectivity. For the manual upload process, see the Bank Fee Management (2O0) test script.

Note The CAMT.086 bank fee management is in the scope of Bank Fee Management (2O0), which requires an Advanced Cash Management license.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Upload File | Upload the TXT file you edited to the SFTP server folder.  For example, upload to the folder /home/S4HTESTHCI/simbank/outbox/s4hana/v0115/QE4212/DEDEBK1  The internal test step is the simulation of communication between S/4HANA and SFTP server. You can run test program /BSNAGT/TEST\_INBOUND\_MSG2 via transaction code SA38 if the connection is not running. Populate camt.086.001.01 in the message type field and C:\Users\I071234\Desktop\Camt\_086\_DE\_1133698\_00001.xml. in the file name field via search help. After execution, check whether incoming message is displayed in the MBC Connector Monitor.  Note The path of SFTP server folder for bank statements depends on the testing system, tenant, country, and house bank. If you want to get sufficient information on how to access the MBC bank tenants or SFTP server, contact your test organizer for assistance. | The TXT file disappears from the SFTP server folder in several seconds. A background job is scheduled to pull the bank statement from MBC to the SAP S/4HANA system every 10 minutes. |  |

### Route Payment Files

Purpose

In this activity, you simulate payment file import from MBC. SAP S/4HANA pulls the file from MBC, then imports them automatically.

After import, the messages are routed into Advanced Payment Management for payment monitoring and approval.

The payment processing is in the scope of Advanced Payment Management (4MT), which requires an additional license.

#### Route Payment Files Initiated by non-SAP Systems

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In this activity, you simulate a CSV payment file imported from MBC.

The CSV payment template can be found in test step Receive Payment Files Initiated by non-SAP Systems of test script Advanced Payment Management (4MT).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Upload File | Upload the CSV file you edited to the SFTP server folder.  For example, upload to the folder /home/S4HTESTHCI/simbank/outbox/s4hana/v0115/QE4212/DEDEBK1  The path of SFTP server folder for bank statements depends on the testing system, tenant, country, and house bank. If you want to get sufficient information on how to access the MBC bank tenants or SFTP server, contact your test organizer for assistance. | The CSV file disappears from the SFTP server folder in several seconds. A background job is scheduled to pull the bank statement from MBC to the SAP S/4HANA system every 10 minutes. |  |

## MBC Connector Monitor

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In this activity, you monitor all the messages transmitted out of S/4HANA via MBC and messages transmitted into S/4HANA via MBC.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP GUI. |  |  |
| 2 | Access App | In the Transaction Code field, enter / BSNAGT/FILE\_MONI and press Enter. |  |  |
| 3 | Enter Selection Criteria | In the upper area, make the following entries and press Enter:  Movement Type: CAMT.053.001.02  Creation Date: For example, <today’s date> | The MBC messages are displayed in two tabs:   * Outgoing tab: Shows all the payment media files transmitted from SAP S/4HANA * Incoming tab: shows all bank statements and lockbox files transmitted from MBC |  |
| 4 | Display Message Content | Select a message and choose Display Message Content. | The message content is displayed. |  |
| 5 | Navigation to Application Log | Select a message and choose Navigation to Application Log. | The detail log of the message processing is listed. |  |

### Situation Handling

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In this activity, you monitor the failed messages centrally in situation framework.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Configuration Expert - Business Process Configuration. |  |  |
| 2 | Access App | Open Monitor Situations (F3264). |  |  |
| 3 | Select Filter Criteria | In the filters area, make the following entries and press Enter:  Situation Type ID: /BSNAGT/FIN\_SIT\_MESSAGE\_ERROR | An instance detail of the Multi-Bank Connectivity situation is displayed. |  |
| 4 | Check Instance Details | Expand the Instance Details tree, and you can find all the details of each instance. |  |  |

# Appendix

## Process Integration

The process to be tested in this test script is part of a chain of integrated processes.

## Succeeding Processes

After completing the activities in this test script, you can continue testing the following business processes:

|  |  |
| --- | --- |
| Process | Business Condition |
| Basic Cash Operations (BFB)  and  Advanced Cash Operations (J78) | If the Full (Extended) Cash Management is implemented:  After the payment status message is pulled from MBC, check the status change in app Check Cash Flow Items and app Monitor Payments.  After the bank statement is imported via MBC, check the status in app Bank Statement Monitor. |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

|  |
| --- |
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