



## SAP Bank Communication Management, option for multisystem payment consolidation 1.0, SP01

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Icon	Meaning
	Caution
	Example
	Note
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	Syntax

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## Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
<b>Example text</b>	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	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 text	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.
<b>Example text</b>	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

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## SAP Bank Communication Management, option for multisystem payment consolidation

*SAP Bank Communication Management, option for multisystem payment consolidation* software provides an inbound interface with which you send payment medium files with standardized data formats from external systems or other SAP systems to *SAP Bank Communication Management* for processing. This means you can process release rules, workflows, and additional checks centrally in one system.

This software supports payment medium files in the standard formats DTAUS, DTAZV, ZZV, V3, CLIEOP03, SEPA\_CT, and SEPA\_DD. You also have the option of using a function module to implement additional customer-specific formats.

### Implementation Considerations

- To use the functions of this software, you must activate *SAP Bank Communication Management* (application component FIN\_FSCM\_BNK), which is available as of enhancement package EhP2.
- In Customizing, make the following settings:
  - Make settings for *SAP Bank Communication Management* in Customizing for *Financial Supply Chain Management* under ► *Bank Relationship Management*.



As of EhP4, you will find the settings in Customizing for *Financial Supply Chain Management* under ► *Bank Communication Management*.

- Make settings for this software in Customizing for *Financial Supply Chain Management* under ► *Financial Supply Chain Management* ► *Bank Relationship Management* ► *SAP Bank Communication Management, option for multisystem payment consolidation*.
- Define the logical data paths for the inbound and outbound directories of payment medium files in Customizing for *SAP NetWeaver* under ► *Application Server* ► *System Administration* ► *Platform-Independent File Names* ► *Cross-Client Maintenance of File Names and File Paths*.
- Define company codes in Customizing for *Enterprise Structure* under ► *Definition* ► *Financial Accounting* ► *Edit, Copy, Delete, Check Company Code*.
- Define the house bank in Customizing for *Financial Accounting (New)* under ► *Bank Accounting* ► *Bank Accounts* ► *Define House Banks*.

For more information about the configuration and Customizing settings, see the configuration guide for the software.

### Integration

The software is integrated in *SAP Bank Communication Management*. Payments will run through standard processes such as monitoring, authorization, transfer, and the alerting functions of *SAP Bank Communication Management*. You have access to a central system for releasing payment data, so you can perform the standard processes mentioned above.

## Features

The software supports the following standard functions:

- Payment Status Monitor

Header data of the payment medium files is available for the external batches; for example, number of payments contained in the file, status of the file, currency, house bank, total amount and so on. You can drill down to the item level of the payment medium files containing the details of individual payments when you use SAP Bank Communication Management, option for multisystem payment consolidation.

On the ► *SAP Easy Access* screen, choose ► *SAP Menu* ► *Accounting* ► *Financial Supply Chain Management* ► *Bank Relationship Management* ► *Status Management* ► *Batch and Payment Monitor* ►.

- Release of Payment Mediums

On the ► *SAP Easy Access* screen, choose ► *SAP Menu* ► *Accounting* ► *Financial Supply Chain Management* ► *Bank Relationship Management* ► *Processing* ► *Approve Payments* ►.

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As of EhP4, you will find the functions on the *SAP Easy Access* screen under ► *SAP Menu* ► *Accounting* ► *Financial Supply Chain Management* ► *Bank Communication Management* ►.

## More Information

For more information about the *Drilldown* function and other functions of the software, see [Processing and Transferring Payment Medium Files](#) [Page 7]



## 1 Processing and Transferring Payment Medium Files

You use this process to make a bank's payment medium file available for posting to the relevant bank accounts.

### Prerequisites

The sending system has created a payment medium file in a standard format and made it available to the inbound directory defined in Customizing for the *SAP Bank Communication Management* system.

### Process

Using the *SAP Bank Communication Management, option for multisystem payment consolidation* software to process payment medium files in *SAP Bank Communication Management* consists of the following process steps:

1. Calling up the inbound interface for the software
2. Transferring payment medium files
3. Releasing payment medium files
4. Transferring payment medium files to the relevant bank communication channel



## 1.1 Calling up the Inbound Interface

The *SAP Bank Communication Management, option for multisystem payment consolidation* software provides you with a standardized interface for connecting external systems. It enables centralized processing of the transferred payment medium files.

The inbound interface of the software can be started in two ways:

1. As a remote function call or by using a web service

Or

2. By starting manually

To start manually, call up report `/BCON/RBNK_CON_CALL` with transaction `/BCON/BNKCON`.

For more information about manual calling, see the system documentation for the report `/BCON/RBNK_CON_CALL`.



To make a remote function call, you must have the relevant authorization (service user).

## Prerequisites

- In Customizing for *Financial Supply Chain Management* under **Bank Relationship Management** > *SAP Bank Communication Management, option for multisystem payment consolidation* > *Define Direct Release for Payment Medium Files*, you have defined the payment mediums for which you want to use the direct release procedure.

## Features

The inbound interface of the *SAP Bank Communication Management, option for multisystem payment consolidation* application calls up the file names and the transfer parameters which can be activated remotely in the function module `/BCON/BNK_CON_IN`. These parameters are

- Drilldown Item Level:

When you select this option, the system parses the inbound payment medium files at item level to extract and populate the document number of the payment document. Once the external batch is created, in the *Batch and Payment Monitor*, you can display item-level details of individual payments contained in the batch file by double-clicking the batch file header; among others, the details include the *batch currency*, *batch amount*, *name of the payee*, *bank account number of the payee* and so on.

- Reference Number:

When you select this option, the system reads the unique reference number that is placed in the header of the payment medium files and writes it to the *Reference Number field* (field `RENUM`) in table `REGUT`. After approvals, the payment medium file is sent to the bank. The bank returns a status message with the identical reference number as stored in `RENUM`. Matching the two enables the system to do payment batch reconciliation.



- Encrypted File

In keeping with security requirements in the communication of financial information, payment files are transferred using some form of file encryption. When you select this option, the system decrypts encrypted payment files in memory to extract the necessary information for the standard BCM approval process.

- SWIFT Parameters

When you select this option, the system inserts additional SWIFT parameters into the uploaded payment file based on the entries maintained in the Customizing activity *Maintain SWIFT Parameters*

- Application Log

Use this option to enable logging of additional information for the software using the standard *Analyze Application Log* program for object /BCON/BNK



The features *Drilldown Item Level* and *Reference Number* are available only for selected file formats. The following table show for which these options are offered

Format	Drilldown – Item Level	Reference Number
DTAUS	X	X
DTAZV	X	
ZZV		X
V3		X
CLIEOP03		X
SEPA_CT	X	
SEPA_DD	X	X



## 1.2 Transferring and Releasing Payment Medium Files

In *SAP Bank Communication Management*, payments are considered to be payment lots ("Batch"). When you use the inbound interface of this software to transfer external payment medium files, an external batch is created. The external batch contains the data required for the standard release process and it is included in the standard monitoring of payment mediums.

### Prerequisites

- The SAP system must have the necessary write authorizations in order to move the payment data medium to the respective directory.
- The users who authorize the external batches created previously as part of the release procedure need to have the required authorization according to the authorization concept.

### Process

1. The inbound interface reads all of the relevant data that the external payment medium files contain. It stores the unchanged payment mediums in the corresponding tables in *SAP Bank Communication Management*.



There is no grouping of payment items in the payment mediums. Each uploaded file generates one external payment batch.

2. The system creates an "external batch" for the payment medium file. This reference is either system-generated, or is extracted from the uploaded file.
3. The system determines how the payment medium related to the batch will be released.

If the system does not find an entry in the Customizing activity *Define Direct Release for Payment Medium Files* for the external batch currently being processed, the workflow controls the release of the related payment medium. Direct release takes place for those external batches for which an entry has been made. A release rule controls this process step. For direct release, you define the rule `DIREKT`; for workflow-controlled release, you define the rule `WORKFLOW`.



Other rules to cater for different authorizations can be defined in Customizing. For more information about the configuration and Customizing settings, see the configuration guide for the software

During workflow-controlled release, the system starts a predefined workflow with a maximum of three release steps to be performed by the responsible processor. The processor uses the payment status monitor and Business Workplace to release or reject the payment medium.



You can release or reject only an entire external batch (with release object `BNK_COM`). The option to release or reject individual payments, which is available within the `BNK_INI` workflow, is not available when you use the *SAP Bank Communication Management, option for multisystem payment consolidation* software. The drilldown option is for display purposes only. It is not possible to reject a payment at the item-level. For audit-tracking reasons, you are not allowed to change the content of external payment mediums. You may release or reject them only in their entirety.

4. After authorization, the payment medium files are moved to the defined outbound directory from where they are transferred to the relevant bank communications channels. From this directory, you can continue processing the payment mediums as follows:
  - You can collect them for further processing.
  - You can make them available to the bank and the automatic clearing houses.
  - You can transfer them to the bank automatically (Example: Direct storage in the outbound directory).



A payment medium file that has been rejected is moved to the directory defined by the logical file path `/BCON/BNK_ARCH`. After making requisite data corrections, you can submit the payment medium file to the release procedure again by manually calling the interface of the software.



## 2 Operations Information

The *SAP Bank Communication Management, option for multisystem payment consolidation* software is based on *SAP ERP Financials* (including the *SAP Bank Communication Management* application) and *SAP NetWeaver Process Integration*. The operation information in the related *Operations Guides* is therefore also valid for this software. The *software-specific* information is described in the following sections:

### Monitoring

You can monitor the batches that were created by the software with the corresponding standard functions under ► *Status Management* ► *Batch and Payment Monitoring* ►, and ► *Processing* ► *Approve Payments* ► on the SAP Easy Access screen under ► *SAP Menu* ► *Accounting* ► *Financial Supply Chain Management* ► *Bank Relationship Management* ►.

In manual execution, the monitoring of error situations that occur during the import of payment data mediums with *SAP Bank Communication Management, option for multisystem payment consolidation* is the job of the dialog user, who views the error log; in background processing, it is the calling process.

#### 1

In *SAP Bank Communication Management*, a batch represents a payment data medium. A unique batch number identifies the batch. It contains only essential, identifying attributes that support the release procedure. After the batch has been released in *SAP Bank Communication Management*, the payment data medium file represented by it is transferred to the house bank, for instance by using SWIFT.

### Alert Monitoring

The *SAP Bank Communication Management, option for multisystem payment consolidation* component does not trigger any specific alerts.

### Error Logs and Monitoring of Interfaces and Background Jobs

The software constitutes an interface and it uses the `BAPIRET2` log. The system uses a standard table to return messages to the caller in the standard structure `BAPIRET2`. This is achieved using a remote function call passing appropriate export parameters or by calling a web service. As the software is commonly executed as a background job, its own jobs are monitored using background jobs.

### Workload Monitoring

You use the workload monitor to evaluate the development objects with the namespace prefix `/BCON/`.

### Start and End Sequence (Starting and Stopping)

Calling up the software starts the process. The process ends when you have successfully created a batch in *SAP Bank Communication Management*. The system issues an error log if completion is not successful (see above).

### Technical Configuration

The technical configuration consists of the following steps:

- Defining API function modules for the release process

You must define the API function modules `/BCON/BNK_API_BATCH_RELEASE`, `/BCON/BNK_API_BATCH_RET` and `/BCON/BNK_API_BATCH_RETURN` for the SAP Bank Communication Management system for processing specific payment medium files that the software imports. This is an adjustment in *SAP Bank Communication Management*.

Therefore, you must check the settings each time after you have imported a service pack for *SAP Bank Communication Management*. You must do this as the service pack can overwrite the settings.

- Configuring data medium formats and read modules

For more information about the configuration steps, see the configuration guide for the software.

## Data Backup and Data Recovery

Batches are the result of using this software. These are standard objects in *SAP Bank Communication Management*. They are saved and archived with the relevant standard objects.

## User Management

You must have a user with the authorization to perform a remote function call in order to call up this software. The user needs the appropriate authorizations (service user) in the *SAP Bank Communication Management, option for multisystem payment consolidation* system.

## Change Management

The development objects of the *BCON* component are available only in the package `/BCON/BNK_COM_CON`. You must use the transport organizer to transport them within the SAP system landscape.

## Error Handling

In the following list, you will find descriptions of the errors that occur most often and the procedures for solving them:

Error Description	Error Handling Procedure
Physical path of the payment data medium cannot be determined.	In Customizing for <i>SAP NetWeaver</i> , define the logical files names you want to use under <b>Application Server</b> > <b>System Administration</b> > <b>Platform-Independent File Names</b> > <b>Cross-Client Maintenance of File Names and File Paths</b> .
Determined company code does not exist.	In Customizing for <i>Enterprise Structure</i> , define the company codes under <b>Definition</b> > <b>Financial Accounting</b> > <b>Edit, Copy, Delete, Check Company Code</b> .
Read module cannot be determined for the transferred format.	In Customizing for <i>Financial Supply Chain Management</i> , define the relevant read module for the payment data medium format you want to use under <b>Bank Relationship Management</b> > <b>Define Payment Data Medium Formats</b> .
Payment data medium contains multiple logical files.	Ensure that payment data medium contains only one logical file. This means that there is only one header record, multiple item records, and one final record.
Payment data medium cannot be found in the specified	They physical directory could be determined. However, the specified payment data medium does not exist there. Make

directory.	sure that the payment data medium is available in the specified directory.
House bank ID cannot be found.  House bank cannot be found.	In Customizing for <i>Financial Accounting (New)</i> , ensure that you have specified the house bank and the account ID for the specified account under ► <i>Bank Accounting</i> ► <i>Bank Accounts</i> ► <i>Define House Bank</i> .
An error occurred while creating the batch header data or the payment item for the payment data medium.	In the software, create the batch again. To do so, start the inbound interface for the relevant payment data medium manually. For more information, see <a href="#">Calling Up the Inbound Interface</a> [Page 8].
Logical file path cannot be determined for the outbound directory.	In the Customizing activity <i>Cross-Client Maintenance of Files Names and File Path</i> , define the logical data path you want to use.
Error during decryption	This error is displayed if: <ul style="list-style-type: none"> <li>• The certificate stored in transaction <i>STRUST</i> is no longer valid</li> <li>• An unsupported encryption method is used to encrypt the payment medium file</li> <li>• A wrong certificate is used</li> </ul>
Content of file does not match format	This error is displayed if: <ul style="list-style-type: none"> <li>• The selected physical file and the specified file format are not matching</li> <li>• The Encrypted file option is not selected for an inbound file that is encrypted</li> </ul>

## More Information

For more information about the *Operations Guides* available for *SAP ERP Financials* and *SAP NetWeaver Process Integration*, see *SAP Service Marketplace* at <http://service.sap.com/instguides>:

Operations Guide	On the left-hand side of SAP Service Marketplace
Application Operations Guide <i>SAP ERP</i>	under ► <i>SAP Business Suite Applications</i> ► <i>SAP ERP</i> ► <i>SAP ERP 6.0</i> ► <i>Operations</i> ▾
Operations Guides available for <i>SAP NetWeaver</i>	under ► <i>SAP NetWeaver</i> ▾