



UBS

Usage Guide

UBS ISO 20022 Test Platform

Version 4.0
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Table of Contents

1 Introduction	3
1.1 Preface/Functionality	3
1.2 UBS channels per location and range of functionality	4
1.3 Supported formats per location and channel	4
1.4 Main navigation function overview	5
2 Validate Messages	6
2.1 Customer-to-bank messages validation	6
2.2 Swiss Direct Debit two-step validation (pain.008-CHTA)	7
3 Create Status Reports (pain.002)	8
3.1 Introduction	8
3.2 Automated status report creation in the course of validation	8
3.3 Individual and advanced status report simulation	8
3.4 Simulation of the two-step validation status report	10
4 Create Cash Management Messages (camt)	13
4.1 Introduction / Supported cash management messages	13
4.2 Choose data and perform simulation	14
4.3 View and download simulation results	15
5 Simulate Received Payments	16
5.1 Introduction / Supported payment types	16
5.2 Create received payments	16
6 QR-bill – Validation and Received Payment Simulation	18
6.1 Introduction	18
6.2 Upload / Scan QR codes	18

1 Introduction

1.1 Preface / Functionality

The UBS ISO 20022 Test Platform (hereinafter **Test Platform**), which UBS makes available free of charge to software manufacturers and companies, is an important tool for the creation of ISO 20022 messages for payment transactions.

Terms and Conditions of the UBS ISO 20022 Test Platform (available under ubs-paymentstandards.ch, on the login page) regulate the use of the Test Platform.

The Test Platform enables the simulation of certain application cases of the UBS ISO 20022 offer in a test environment with anonymized test data (including dummy IBANs). The Test Platform validates payment and direct debit orders (pain.001 and pain.008), simulates the return of payment status messages (pain.002) and camt messages (camt.052, camt.053 and camt.054), and validates and generates QR-bills. For details on the range of functions and supported formats, see chapters 1.2 and 1.3.

In "Account Reporting" you will find data of uploaded credit transfers (pain.001) and direct debits (pain.008) as well as data of Excel templates for simulation of incoming payments, which you can use as a basis for various camt simulations. Thus, software developers and testers have access to a universal platform to validate test files, to perform simulations based on uploaded files or on provided sample libraries and finally to download the validation results or simulation outcome.

The test platform is designed to be used only with anonymized test data (including fictitious IBANs).

UBS ISO 20022 Test Platform

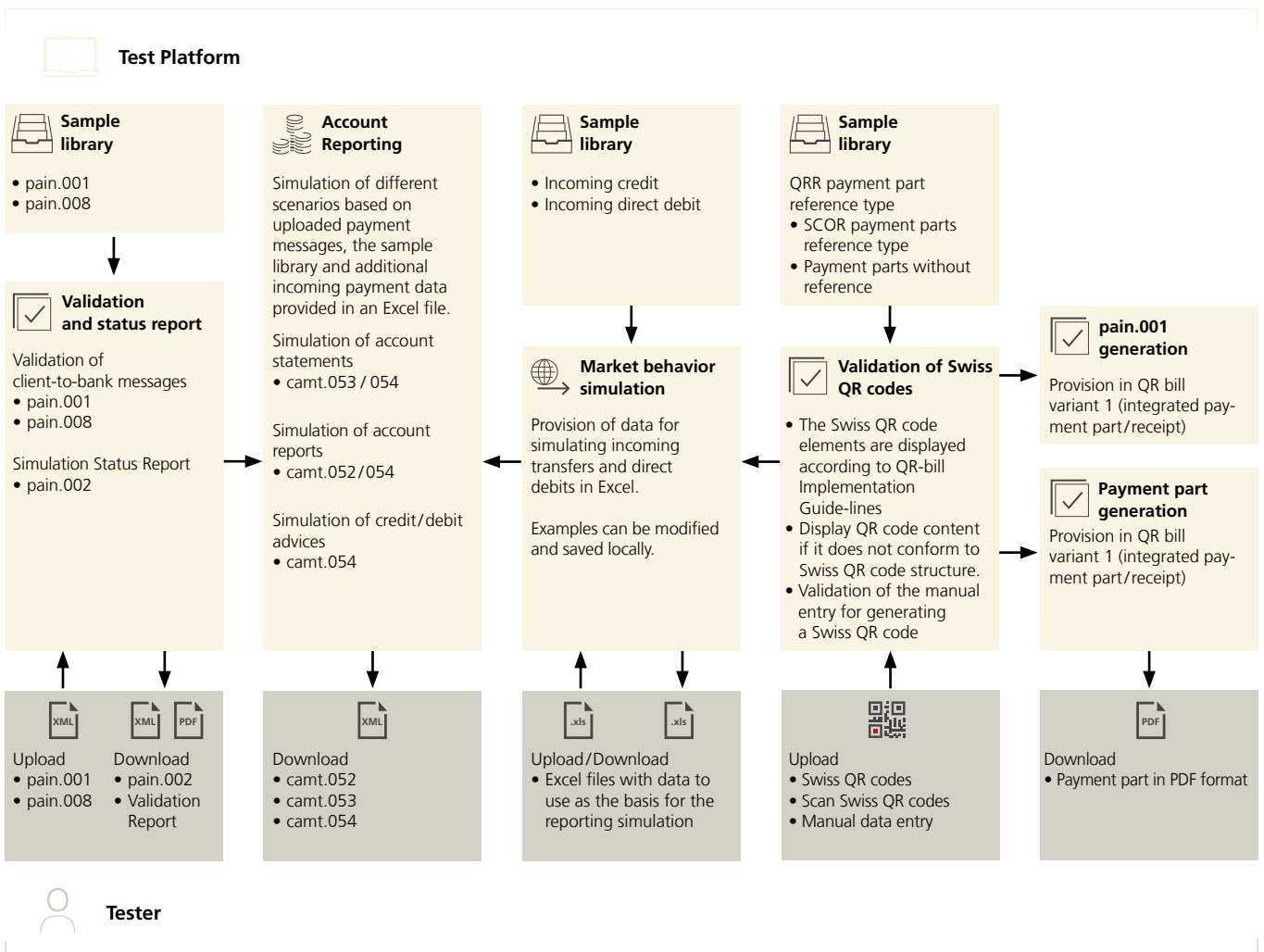


Figure 1

1.2 UBS channels per location and range of functionality

The UBS ISO 20022 Test Platform depicts the behavior of several UBS channels in locations CH (UBS Switzerland AG) and DE (UBS Europe SE). Depending on the channel there are differences in supported formats and available simulation and reporting capabilities. These differences are mentioned at the relevant chapters, the following channel/simulation matrix shows an initial overview.

Available Simulations / Message Type	UBS Switzerland AG / KeyPort	UBS Switzerland AG / E-Banking File Transfer	UBS Europe SE / KeyPort
Status-Report (pain.002)	x	–	x
Account Statement (camt.053 / +camt.054)	x	x	x
Account Report (camt.052 / +camt.054)	x	–	x
Debit / Credit Advice (camt.054)	x	–	–

Table 1

The relevant location and UBS channel is selected during registration and a multiple selection is possible. If more than one channel is selected, the requested channel and location must be specified when logging in.

It's possible to enable or disable every channel and location also after registration, for details see item number 2 within chapter 1.4.

1.3 Supported formats per location and channel

See all important documents at a glance: [to the documents](#)

UBS Switzerland AG – KeyPort

	Swiss Payment Standards	SEPA	CGI
pain.001	SPS 2021 version 1.11 SPS 2023 version 2.0.2	EPC 2018	CGI 2018
pain.002	SPS version 1.1.2 SPS version 2.0.1	ISO V03	ISO V03
pain.008	SPS version 1.2 (Swiss direct debit system) SPS Version 2.3 & 2.7 (SEPA direct debit)	-	-
camt.052	ISO V04 & V08	ISO V04 & V08	ISO V04 & V08
camt.053	ISO V04 & V08	ISO V04 & V08	ISO V04 & V08
camt.054	ISO V04 & V08	ISO V04 & V08	ISO V04 & V08

UBS Switzerland AG – E-Banking File Transfer

	Swiss Payment Standards	SEPA	CGI
pain.001	SPS 2021 version 1.11 SPS 2023 version 2.0.2	-	-
pain.002	-	-	-
pain.008	-	-	-
camt.052	-	-	-
camt.053	ISO V04 & V08	-	-
camt.054	ISO V04 & V08	-	-

UBS Europe SE – KeyPort

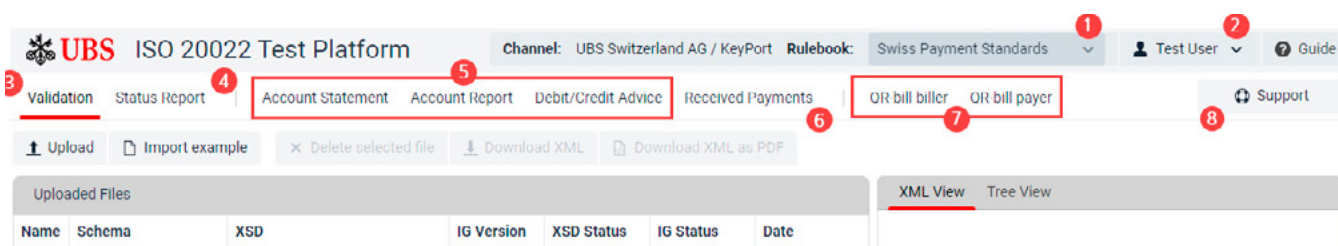
	Swiss Payment Standards	SEPA	CGI
pain.001	-	DK 2.9 DK 3.3 EPC 2018	CGI 2018
pain.002	-	DK 2.9 DK 3.3 ISO V03	ISO V03
pain.008	-	DK 2.9 DK 3.3	-
camt.052	-	ISO V02	ISO V02
camt.053	-	ISO V02	ISO V02
camt.054	-	ISO V02	ISO V02

Table 4

QR-bill

The Test Platform supports the Implementation Guidelines QR-bill SPS – Version 2.2.

1.4 Main navigation function overview



Screenshot 1

Note: The scope of functions in this screenshot corresponds to the channel UBS Switzerland AG / KeyPort – Swiss Payment Standards. When using other channels, not all simulation options are available, see channel / simulation matrix in chapter 1.2.

- Channel change as per rule books
 - UBS Switzerland AG: change between “Swiss Payment Standards”, “Common Global Implementation Switzerland” and “European Payments Council”
 - UBS Europe SE: change between “German Banking Industry Committee,” “Common Global Implementation Germany” and “European Payments Council”

The Test Platform validates client-to-bank messages and simulates bank-to-client messages according to the selected standard.
- User logout or deleting user account, choosing UBS channels, activate or deactivate newsletter, and changing the password (note: the channel which has been selected for current login cannot be disabled)
- [Validation](#): sample library, upload and validation of customer-to-bank messages (pain.001 and pain.008)
- [Status Report](#): simulation scenarios for positive (ACCP, ACTC, ACWC, PART) and negative (RJCT) payment status reports (pain.002)
- [Account Reporting](#): various booking and reporting simulation scenarios based on uploaded payment data to create account statements (camt.053/054), account reports (camt.052/054) as well as debit/credit advices
- [Received Payments](#): simulation of market behavior
Provision of data in Excel format for simulation of incoming credit transfers and direct debits. Examples can be adapted and downloaded for future reuse.
- [QR-biller/QR-bill payer](#): sample library, upload and validation of QR-bills and their data and generation of pain.001 or payment slips as PDF.
- Support button: The Test Platform user has always the possibility to ask for support. By clicking on this support button, he will be redirected to the support pages from UBS.

2 Validate Messages

First, you have to upload a payment message or to import one of the prepared examples to be able to use one of the simulation functionalities. Data thus obtained are the basis to create status reports (pain.002) as well as account statements and account reports (camt messages). For details to the simulation capabilities please consult the appropriate chapters.

This chapter focusses on the validation of client-to-bank payment initiation messages. Hints, provided based on the result of the validation, are divided into the following categories by severity:

- Info** Useful information and references concerning the message or concerning certain elements within the message. No amendment is necessary.
- Warning** Usually certain implementation guidelines recommendations are not respected. It is not mandatory to change the message creation, but it is advisable.
- Error** There are 2 different kinds of errors. Schema errors and usage rule errors. In both cases a change is mandatory.

2.1 Customer-to-bank messages validation

To validate such a message, please proceed as described in the following screenshot.

The screenshot displays the UBS ISO 2022 Test Platform interface. The top navigation bar includes 'Validation', 'Status Report', 'Account Statement', 'Account Report', 'Debit/Credit Advice', 'Received Payments', 'QR-bill biller', and 'QR-bill payer'. The 'Validation' menu is selected. Below the navigation bar, there are buttons for 'Upload', 'Import example', 'Delete selected file', 'Download XML', and 'Download XML as PDF'. The 'Uploaded Files' table shows two files: 'pain.001.Example-CH-CT-03-S-E...' and 'pain.001.Example-CH-CT-02-D-OK'. The first file has a red 'X' in the 'IG Status' column. The 'Validation Result' section shows 'General Messages' with an 'Info' message about the format and 'Scheme Validation' with an 'Info' message. The 'Usage Rule Validation' section shows an 'Error' message: 'Aml/InstdAmt/Ccy - Nur EUR ist erlaubt.' The XML View shows the message structure, with a red box highlighting the error in the 'InstdAmt' element: '<InstdAmt Ccy="USD">24.10</InstdAmt>'. The 'Validation Type' is set to 'Validation Type', 'Severity' is 'Severity', and 'Location' is 'Location'. The 'Show line numbers' button is visible at the bottom right.

Screenshot 2

1. Select menu item "Validation"
2. Click the "Upload" button
A pop-up window will appear to choose a file saved on your desktop. After having been selected, the file is going to be imported to the Test Platform and validation starts automatically.
Alternatively, you can import predefined examples by clicking the "Import example" button. (you can choose between examples from three categories: Swiss Credit Transfer, Swiss Direct Debit and SEPA Direct Debit)
3. Information on determined message format and payment types

4. Examine validation result:
Click on a file displayed in the uploaded files area and corresponding messages will be shown in the lower half of the screen. Click on one of the shown warnings or errors (if any) and in the right section of the screen the affected part of the XML will be shown.
By using the radio buttons on the bottom edge of the window you can change grouping and sorting of the messages displayed within the validation result area. This might be helpful in the case of large number of displayed messages (info, warning, error).
5. Download validation result:
The validated XML file contains all the relevant info, warning and error messages. Download of this annotated XML file is possible as text file (.xml) as well as PDF report.
6. Look-up function:
Integrated field definitions from the implementation guidelines.
Click on a message bubble in the XML area and definitions and notes for the corresponding element will be shown as in the example on the right. The shade of grey indicates if there is just an ISO definition (light grey), or an additional CH definition (grey), or further an UBS definition (dark grey) for this element.

Screenshot 3

2.2 Swiss Direct Debit two-step validation (pain.008-CHTA)

The following two-step validation will be performed when the client (creditor) delivers a direct debit file via UBS KeyPort/ UBS KeyPort Web.

- The first validation is performed at UBS and encompasses the scheme validation, authentication and authorization checks, as well as the validation of business rules pursuant to the Swiss Payment Standards, which leads to a reject of the entire direct debit file (A-level). The authentication and authorization checks are not performed on this Test Platform.
- The second and final validation (in case that the entire or a part of the direct debit file has been transferred to SIX) will be performed by SIX Interbank Clearing AG ("SIX"). The SIX validation focusses on the full scheme and business rules validation pursuant to the Swiss Payment Standards.

The two-step validation means that the status report (pain.002) may be composed of two different pain.002 messages (UBS pain.002 and SIX pain.002).

Please consult the [UBS Implementation Guidelines of pain.008-CHTA](#) (Swiss Direct Debits LSV+/BDD) and the sample library on the Test Platform for further information.

For further details concerning the two-step validation see chapter 3.4.

3 Create Status Reports (pain.002)

3.1 Introduction

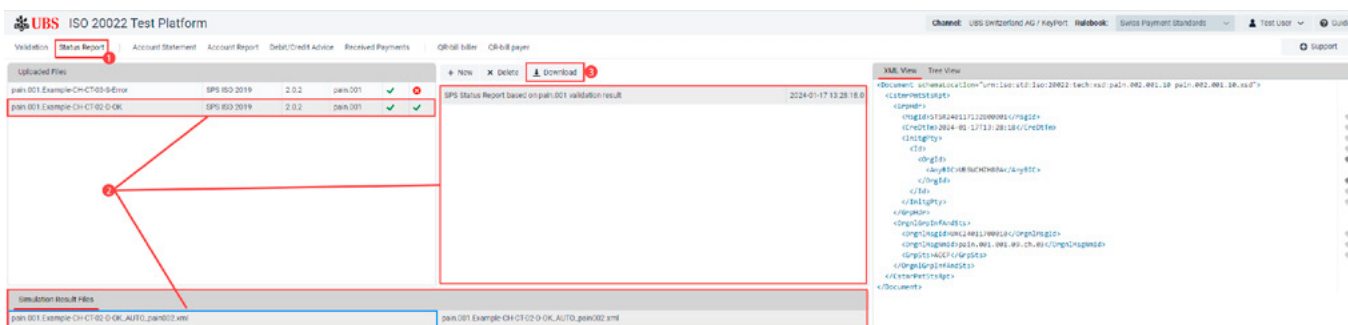
Note: The status report pain.002 is available for the channels UBS Switzerland AG / KeyPort, UBS Europe SE KeyPort and UBS Switzerland AG.

In order to create a status report, at least one payment initiation message must be uploaded beforehand. Alternatively, one of the predefined examples can be imported (for details please see chapter 2 Validate Messages).

Status report pain.002 messages are generated during validation of a payment method in accordance with the validation result.

For uploaded payment initiation messages which do not have any error you can create various kinds of status report messages based on predefined simulation scenarios.

3.2 Automated status report creation in the course of validation



Screenshot 4

1. Select menu item "status report"
2. View already created status reports online
Click on the row of an uploaded payment initiation message, all status report simulations which are previously executed will be shown to the right. Clicking on a simulation displays the resulting pain.002 message in the bottom area of the screen.
Clicking on a pain.002 message displays the contents of the message on the right-hand side.
The contents can either be displayed as XML or in a tree-like view. In the tree view, you can collapse sections of the message by clicking on the small arrow to the left of the tag name.
3. Download pain.002 message(s) for the selected simulation

3.3 Individual and advanced status report simulation

Click the button "New" (see previous screenshot) and a pop-up window appears, allowing you to choose predefined simulation scenarios to create various kinds of status reports.

Note: All the scenarios illustrated with the following screen are available only in case that the preselected payment initiation message does not contain any error. In case of errors, the status report created according to the validation result is the only option.

Pick a simulation scenario



Creation / Simulation Payment Status Report

Extended

- SPS Status Report based on pain.001 validation result
- SPS Status Report by simulating an error on pain.001 A-Level
- SPS Status Report by simulating an error on pain.001 B-Level
- SPS Status Report by simulating an error on pain.001 C-Level
- SPS Status Report creation advanced - individual based on pain.001 structure

Description

Based on the individual structure of the underlying pain.001 message you can individually simulate several Status Report scenarios.

After confirming 'OK' a window opens where the according levels (A-, B or C-level) can be selected from the underlying pain.001 message (opening the window may take a few seconds for larger messages).

In this window you can choose any permitted status and reason code on the respective level.

The overlying levels of a rejected level automatically get set to the right status PART (Partially Accepted) or RJCT (Rejected). Various combinations are possible and thus any szenario can be simulated.

Cancel

2

OK

Screenshot 5

1. Choose one of the available scenarios (please consider the references within the description section)
2. OK – confirm scenario selection
Status report creation starts immediately with the exception of the "advanced creation" (last scenario in the list). For the advanced creation the following window opens to create any kind of status report message pain.002.

Pick the transactions you want to return



Search for Reference ID or Amount Extended

Description #	Reference ID	Amount	Status	Reason Code
∨ A-Level	UXC24011800023	80.00	ACCP (Accept)	
∨ B-Level	UXC24011800023E00001		ACCP (Accept)	
C-Level	UXC24011800023E00001	10.00	ACCP (Accept)	
C-Level	UXC24011800023E00002	10.00	ACCP (Accept)	
C-Level	UXC24011800023E00003	10.00	ACCP (Accept)	
C-Level	UXC24011800023E00004	10.00	ACCP (Accept)	
C-Level	UXC24011800023E00005	10.00	ACCP (Accept)	
C-Level	UXC24011800023E00006	10.00	ACCP (Accept)	
C-Level 5	UXC24011800023E00007	10.00	RJCT (Reject)	CURR (Incorrect currency)
C-Level	UXC24011800023E00008	10.00	ACCP (Accept)	

status 4

RJCT (Reject) ∨

Reason Code

CURR (Incorrect currency) ∨

Additional information

Incorrect currency

Cancel 5

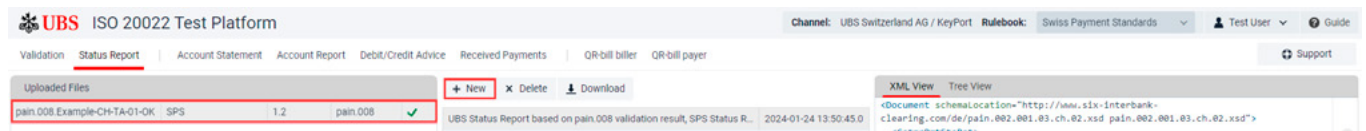
Screenshot 6

If required, repeat steps 3 to 5 several times:

3. Click on the level/entry you want to reject (A-, B- or C-Level)
4. Specify reject details as required
Settings that have been made are checked by the system and applied to the structure of the original message.
5. Start simulation

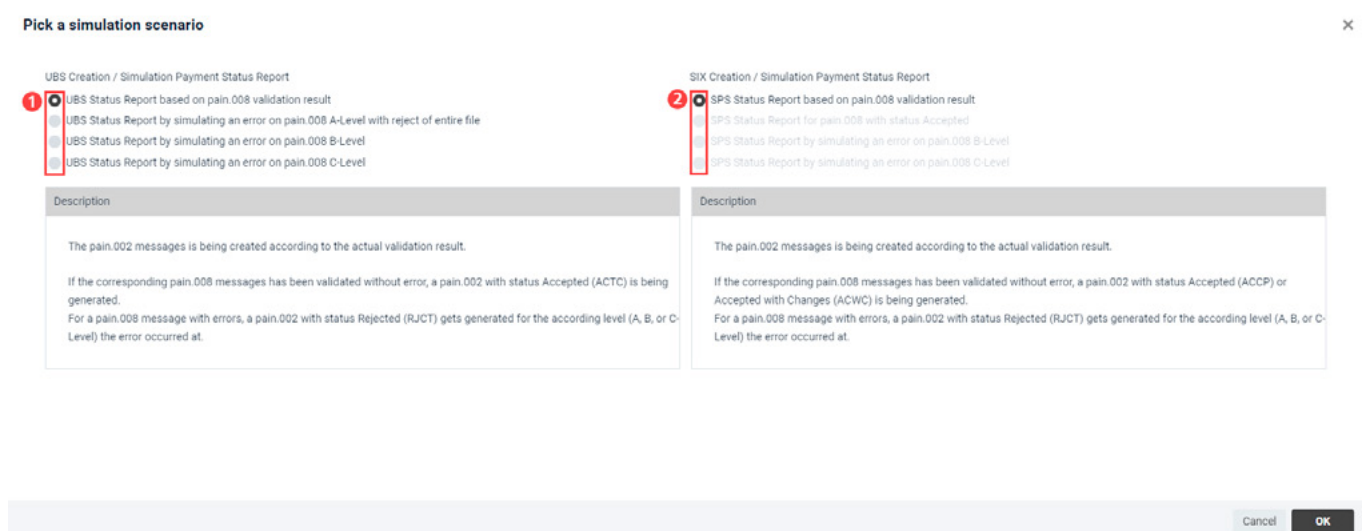
3.4 Simulation of the two-step validation status report

Click the button “New” and a pop-up window appears where you may choose predefined simulation scenarios to create different types of status reports.



Screenshot 7.1

Note: All the scenarios illustrated with the following screen are available only in case that the preselected payment initiation message does not contain any error. In case of errors, the status report created according to the validation result is the only option.



Screenshot 7.2

1. Choose one of the available UBS scenarios (please consider the references within the description section)
2. Depending on the chosen UBS options the SIX options available for selection may vary.
The pictures on the following page visualize the main use cases in the cooperation of the two validation instances.
3. OK – confirm scenario selection

Subsequently the main use cases are shown on the pictures:

Key:

- ACCP: accepted
- ACTC: accepted technical validation (UBS only acknowledge receipt of the file after a purely technical validation)
- ACWC: accepted with change
- PART: partial rejection of the file
- RJCT: rejected

Use case: Ideal scenario (no rejection) – two pain.002 generated

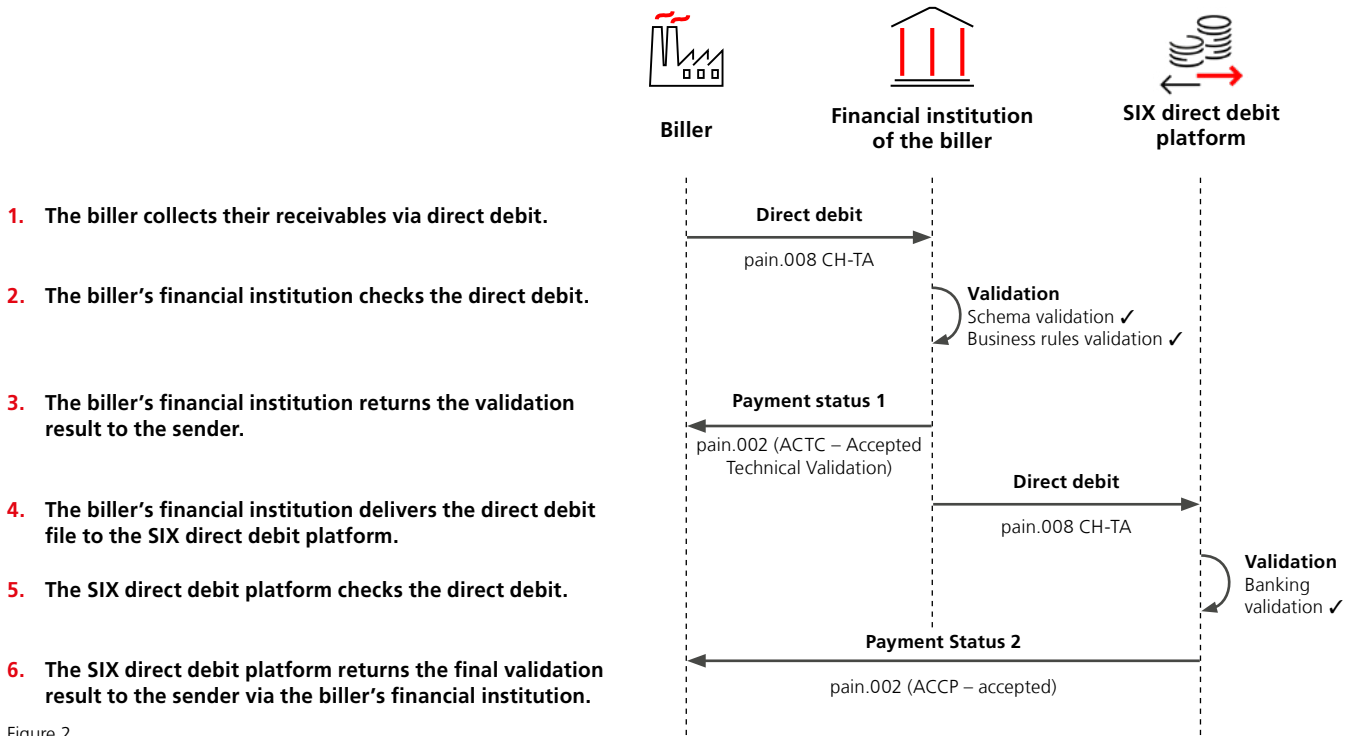


Figure 2

Use cases: rejection of entire file at UBS and no forwarding to SIX – one pain.002 is generated.

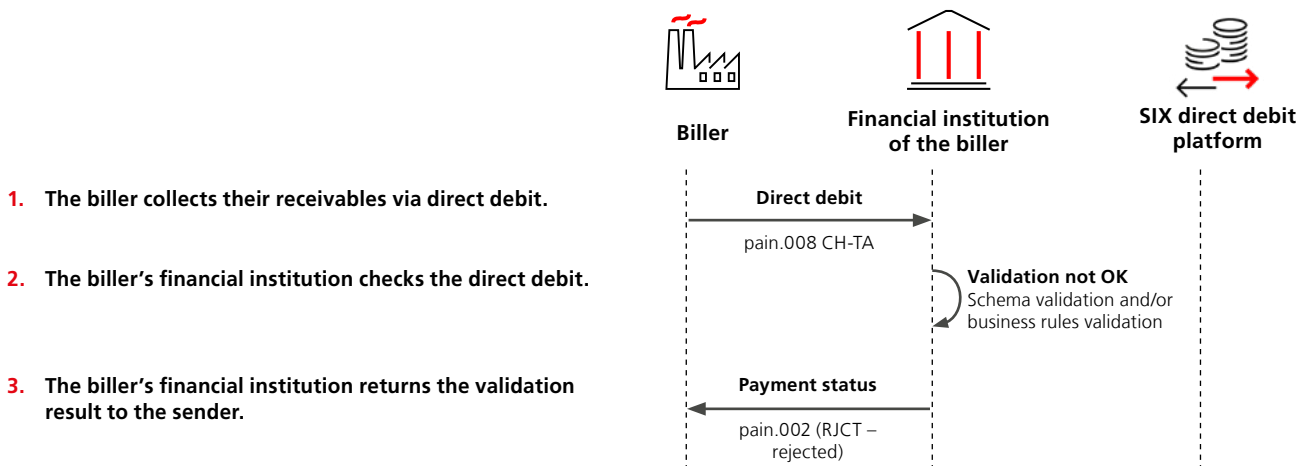


Figure 3

Use cases: Partial processing at UBS and forwarding to SIX – two pain.002 generated

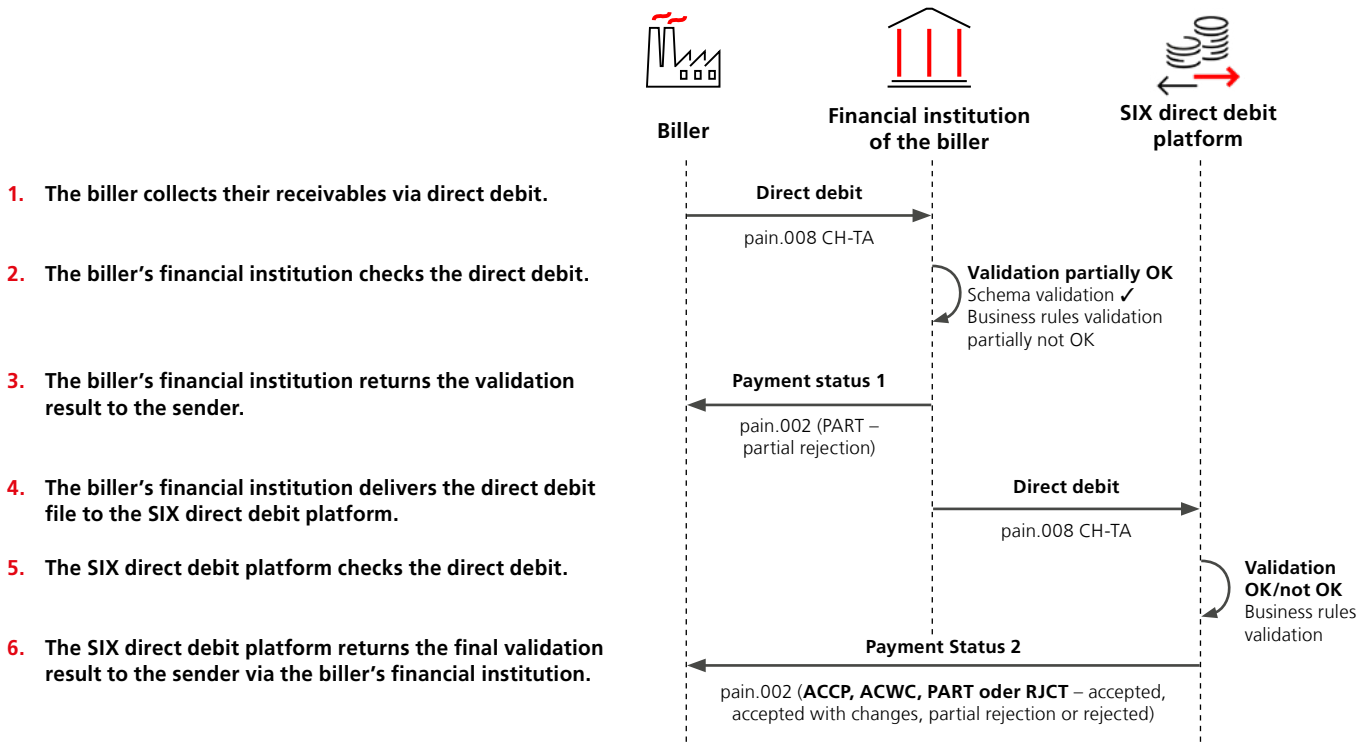


Figure 4

Use case: UBS ohne und SIX mit Validierungsfehler(n) – zwei pain.002 erzeugt

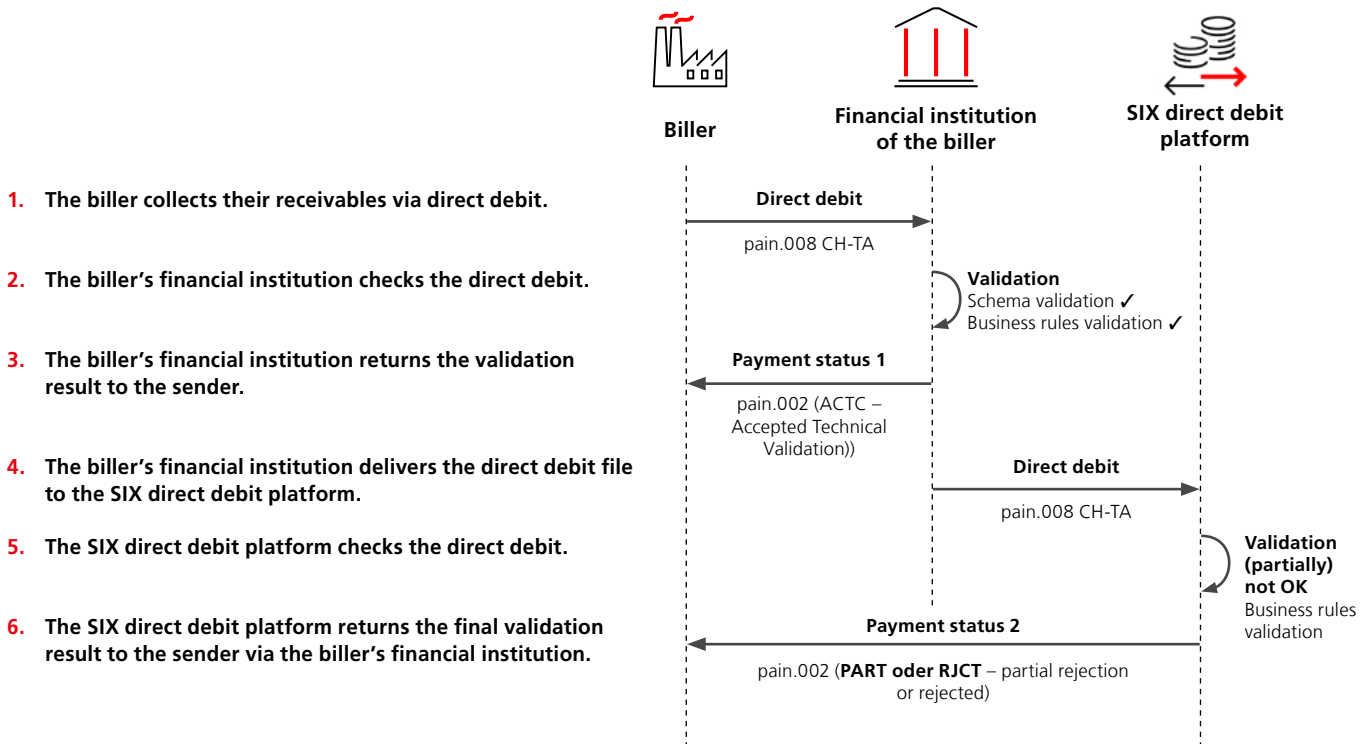


Figure 5

4 Create Cash Management Messages (camt)

4.1 Introduction / Supported cash management messages

To create a cash management message such as an account statement, at least one of the following steps has to be done before:

- upload a message (see chapter “Validate Messages”)
- import an example (see chapter “Validate Messages”)
- upload or import one of the Excel templates to simulate received payments (see chapter “3 Simulate Received Payments”) or
- at least one valid Swiss QR-bill must be uploaded (see chapter “6 QR-bill – Validation and Received Payment Simulation”)

Depending on the channel the following reporting scenarios are available:

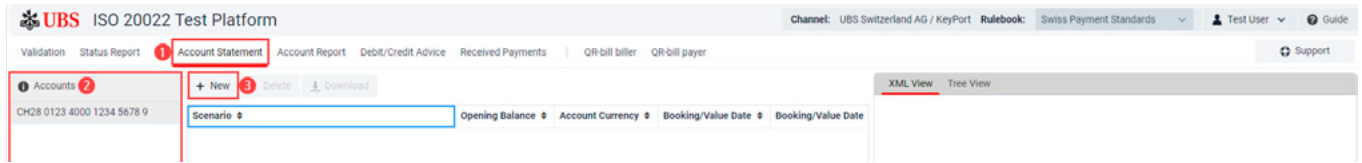
	UBS Switzerland AG / KeyPort	UBS Switzerland AG / E-Banking File Transfer	UBS Europe SE / KeyPort
End-of-day account statement: <ul style="list-style-type: none"> • camt.053: account statement with single booking • camt.053: account statement with batch booking, no details • camt.053: account statement with batch booking, details internally within camt.053 • camt.053 and camt.054: account statement with batch booking, details externally within camt.054 	x	x	x
Intraday account report: <ul style="list-style-type: none"> • camt.052: account report with single booking • camt.052: account report with collective booking, no details • camt.052: account report with collective booking, details internally within camt.052 • camt.052 and camt.054: account report with collective booking, details externally within camt.054 	x		x
Intraday credit and debit advice: <ul style="list-style-type: none"> • camt.054: single advice • camt.054: collective advice without details • camt.054: collective advice with details 	x		

Tabelle 5

Since the workflows for creating an account report, an account statement and a credit or debit advice are identical in terms of use, only creating an account statement is described in detail in this chapter.

There is no need to maintain any master data in the application. All the necessary information is extracted from the data you have uploaded. The account number is extracted from the B-Level for all uploaded pain.001 and pain.008 payment messages. For received payments (e.g., QR-bill) the “booking account” is taken from the respective Excel file.

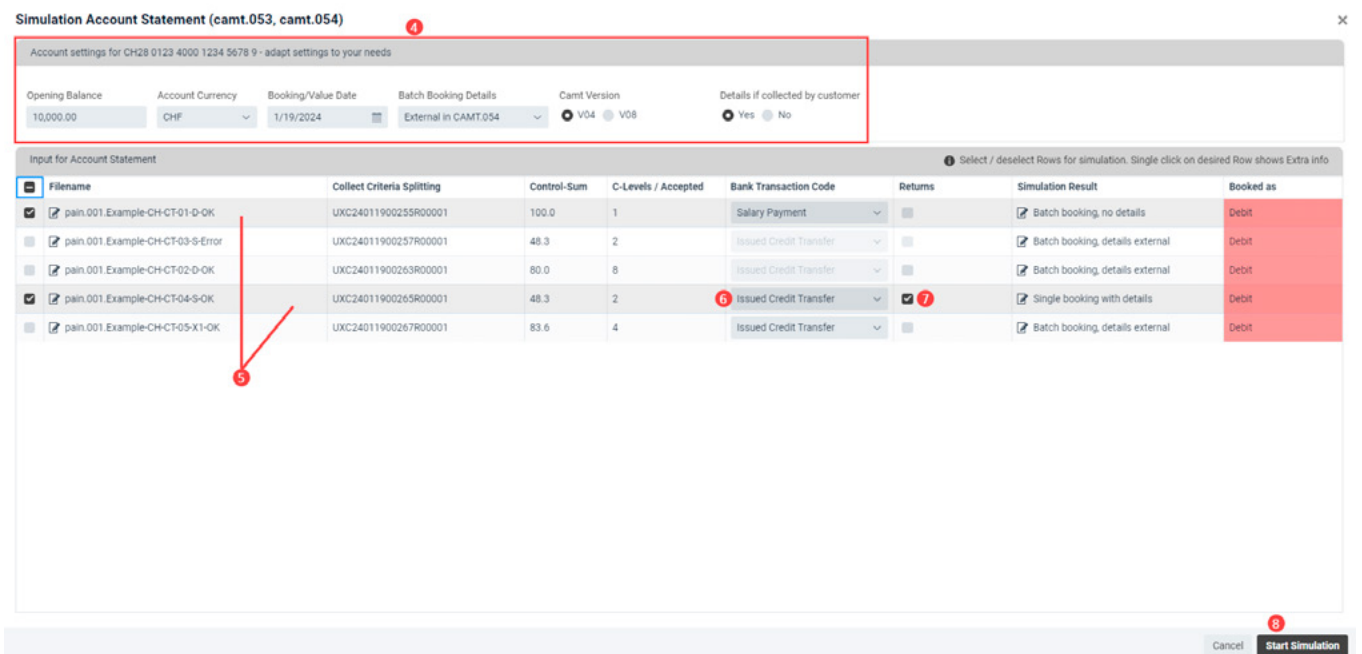
4.2 Choose data and perform simulation



Screenshot 8

1. Click menu item "Account Statement"
2. Choose an account
This list contains all accounts that have been extracted from the B-levels of the uploaded pain messages, the imported pain examples, and the imported or uploaded Excel templates.
3. Click "New" to start the simulation workflow

Please note: Each row within the following list corresponds to one B-Level of a pain message or one Excel template you previously uploaded or imported.



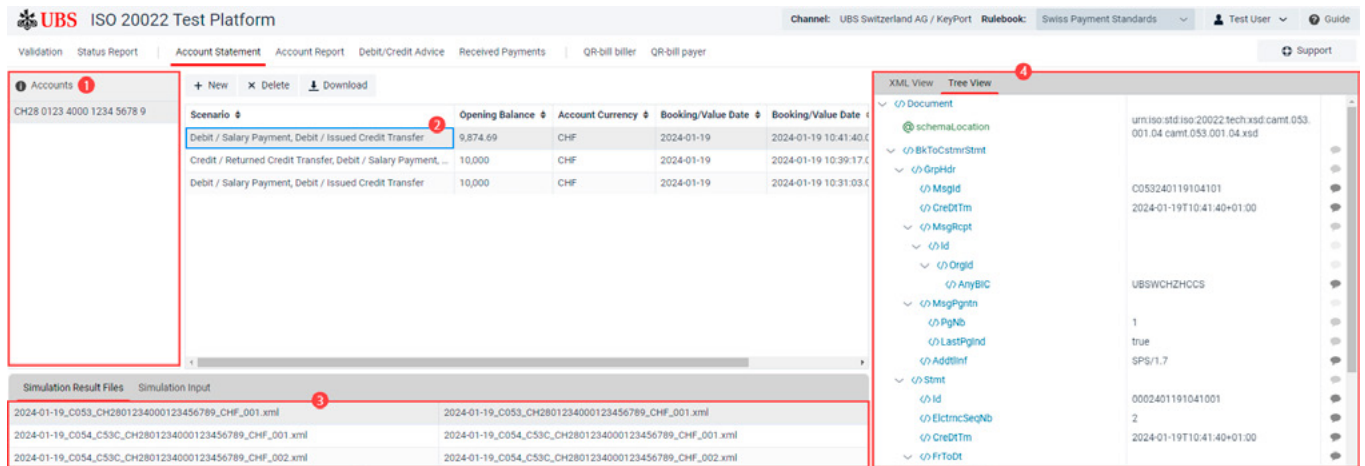
Screenshot 9

4. If needed, you can change the account parameters here. Hover your mouse over the info symbol to display a short description of the options.
5. Choose the rows that should be used as a basis for the simulation (you can select multiple).
In the list all B-Level-Ids from pain messages as well as the collect criteria for the simulation of incoming payments from all Excel sheets/files that match the selected account in step 2 will be displayed each as one row. You can select or deselect certain rows by clicking on them. The file which has been uploaded last is preselected. Only data of selected rows will be used as input for the simulation.
If a certain row cannot be selected, hover on the info symbol at the beginning of the row to find out why that's the case.
6. Issued credit transfers based on uploaded pain.001 messages can be treated as received payments by "changing the direction." This option is not available for payments of QR-bills. Separate Excel templates and the QR-bill validation (chapter 6) are available for each of these.
7. If desired, payment returns and charge-backs can be simulated also. Simulation for payment returns is available for issued credit transfers, simulation of charge-backs is available for issued direct debits.
8. Start simulation

4.3 View and download simulation results

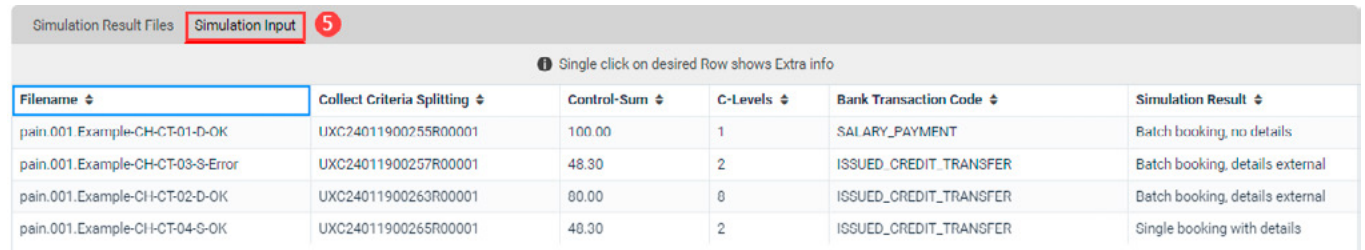
After the simulation has finished, you can view the resulting camt messages directly in your browser. You can also download the results.

The various options for viewing the results are briefly covered here.



Screenshot 10

1. When you click on an account, all simulations you have executed previously will be shown to the right.
2. Clicking on a simulation displays the resulting camt messages in the bottom area of the screen.
3. Clicking on a message displays the contents of the message on the right-hand side.
4. The contents can either be displayed as XML or in a tree-like view. In the tree view, you can collapse sections of the message by clicking on the small arrow to the left of the tag name.



Screenshot 11

5. View simulation input
In the bottom area you can choose between viewing the simulation result messages or the simulation input. The simulation input view shows the relevant parameters of the simulation in a concise way to trace what has been simulated.

5 Simulate Received Payments

5.1 Introduction / Supported payment types

This area allows you to create incoming payments to later use them in the booking/cash management simulation.

The data can be provided to the system in an Excel sheet with a predefined structure. An example to get you started is provided for each payment type. You can edit the data in the sheet directly in your browser, or you can download it and edit it on your desktop, and upload it again after you are finished.

The following Excel templates are currently available within the Test Platform:

Credit due to payment slips:

- **QR-bill** with QR reference
- **QR-bill** with creditor reference
- **QR-bill** without reference

Debit due to LSV+/BDD procedure:

- LSV+/BDD – debit due to LSV+/BDD, procedure using LSV reference

Please note: To simulate credits based on LSV direct debit collections you can use an uploaded pain.008-CHTA message. So therefore, no Excel template is needed. The credit is always simulated for all collections specified in the pain.008 message, i.e., the simulation assumes that all LSV collections are paid and booked together on the same day.

5.2 Create received payments

By importing an Excel example from the library or by uploading a self-created one or the successful validation of a QR-bill, all contained data are stored within the Test Platform. Subsequently these data are available to simulate different types of cash management messages (see appropriate chapter for a detailed description). If a sheet has been used in a simulation, it can't be edited anymore (symbolized by a small lock icon after the file name). The sheet can be downloaded for later use, though, or you can import the provided example again.

UBS ISO 20022 Test Platform Channel: UBS Switzerland AG / KeyPort Rulebook: Swiss Payment Standards Test User Guide

Validation Status Report Account Statement Account Report Debit/Credit Advice **Received Payments** QR-bill biller QR-bill payer Support

Upload Excel Import excel example Delete Download Save Discard changes Please select collecting variant for incoming payments STANDARD

Received Payment Files

Account BIC (Creditor Agent)	Collecting variant
UBS55CH2305A	STANDARD
Account IBAN (Creditor IBAN)	Collection by QR-IBAN
CH430005200123456789	
Account Holder (Creditor Name)	
Unitis GmbH	

*The IBAN is simulated and does not correspond to your actual IBAN, as it cannot be reliably calculated.

QR reference	Unstructured message	Amount	Currency	Name	Address type	Street or address line 1	Building number or address line 2	Postcode	Town
23 30620 00000 00000 00001 00009	CINV1257/017-01-12	10.10	CHF	Debtor Name 1	S	Debtor Street 1	01	5001	Debtor City 1
23 30620 00000 00000 00002 00004		10.20	CHF	Debtor Name 2	S	Debtor Street 2	02	5002	Debtor City 2
23 30620 00000 00000 00003 00008		10.30	CHF	Debtor Name 3	S	Debtor Street 3	03	5003	Debtor City 3
23 30620 00000 00000 00004 00006	ihre Bestellung vom 12.1.17	10.40	CHF	Debtor Name 4	K	Debtor Street 4	5004 Debtor City 4		
23 30620 00000 00000 00005 00001		10.50	CHF	Debtor Name 5	S	Debtor Street 5	05	5005	Debtor City 5
23 30620 00000 00000 00006 00007		10.60	CHF	Debtor Name 6	S	Debtor Street 6	06	5006	Debtor City 6
23 30620 00000 00000 00008 00002		10.70	CHF	Debtor Name 7	S	Debtor Street 7	07	5007	Debtor City 7
23 30620 00000 00000 00009 00003	12645FRG125	10.80	CHF	Debtor Name 8	S	Debtor Street 8	08	5008	Debtor City 8
23 30620 00000 00000 00010 00004		10.90	CHF	Debtor Name 9	S	Debtor Street 9	09	5009	Debtor City 9
23 30620 00000 00000 00011 00008		11.00	CHF	Debtor Name 10	S	Debtor Street 10	10	5010	Debtor City 10
23 30620 00000 00000 00012 00006	ABCD13015	11.10	CHF	Debtor Name 11	S	Debtor Street 11	11	5011	Debtor City 11
23 30620 00000 00000 00013 00001		11.20	CHF	Debtor Name 12	S	Debtor Street 12	12	5012	Debtor City 12
23 30620 00000 00000 00014 00007	REC/27032017	11.30	CHF	Debtor Name 13	S	Debtor Street 13	13	5013	Debtor City 13
23 30620 00000 00000 00015 00000		11.40	CHF	Debtor Name 14	S	Debtor Street 14	14	5014	Debtor City 14
23 30620 00000 00000 00016 00002		11.50	CHF	Debtor Name 15	S	Debtor Street 15	15	5015	Debtor City 15
30 23012 02000 00200 02090 00006		11.60	CHF	Debtor Name 16	S	Debtor Street 16	16	5016	Debtor City 16
30 23012 02000 00200 02090 00014		11.70	CHF	Debtor Name 17	S	Debtor Street 17	17	5017	Debtor City 17
30 23012 02000 00200 02090 00022		11.80	CHF	Debtor Name 18	S	Debtor Street 18	18	5018	Debtor City 18

Screenshot 12

1. Select menu item "Received payments"
2. Import an example or upload Excel
You'll start with sample data provided by the Test Platform. On the right-hand side of the screen you can see the provided sample payments.
3. Edit the payments
You can edit the payments to fit your needs directly in the browser.
4. Save your changes
After uploading a file or importing an example, the data will be available immediately for the simulation of cash management messages. If you've made changes to the sheet (change data, remove rows or add rows), you need to save the data. The data will be checked for errors, if no errors are found, it will be available for the simulation.
5. Download the file
If you've changed the sheet to your needs, it is advisable to download it so you can use it at a later point again.

6 QR-bill – Validation and Received Payment Simulation

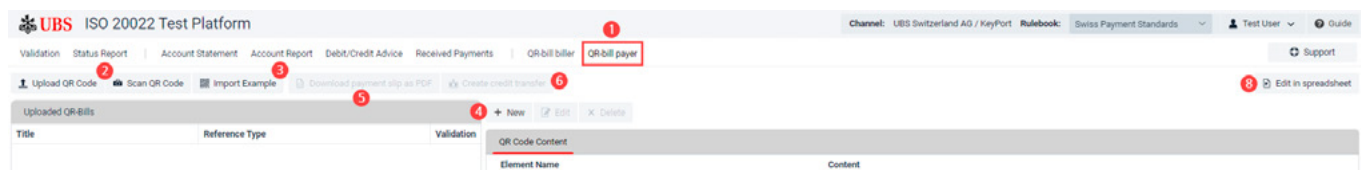
6.1 Introduction

The functionality “QR-bill” is used to validate the QR-bills and create incoming payments for later use in the booking / cash management simulation. It’s available in channel UBS Switzerland AG / KeyPort.

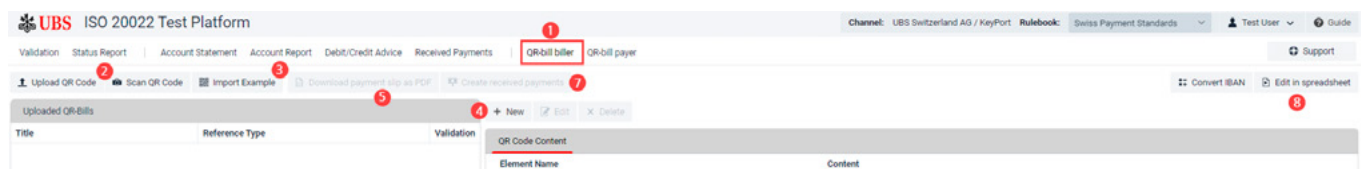
QR-bills can be uploaded in PDF format and QR codes can be uploaded as an image or scanned using the webcam. After successful validation of the QR-bill, the data is visualized. At the same time the content is processed into Excel files and can be used for the simulation of incoming payments. For details see chapter 5.

Please note: For scanning QR codes the following browsers are supported by the Test Platform: Microsoft Edge, Chrome and Firefox.

6.2 Upload / Scan QR codes



Screenshot 13



Screenshot 14

1. Select menu item “QR biller/QR-bill payer”.
2. Upload QR-bill or scan it using your webcam
Supported file formats for uploading: PDF, JPEG, PNG, GIF, BMP, WBMP
PDF documents with multiple QR codes
When scanning please keep in mind that:
 - only Microsoft Edge, Firefox and Google Chrome browsers are supported
 - you must ensure the browser has permission to access the webcam
 - approximately horizontal orientation and sufficient light facilitate the process
 - the code should be available in sufficient quality on non-transparent paper
3. Import examples from the online sample library (multiple selection possible).
4. You must enter QR-bill data via spreadsheet or edit it in PDF format.
5. Generate and download payment slips.
6. Create received payments as Excel-file. Here can be already selected the collective variant.
7. A pain 001 is generated from the QR-bill data.
8. Process QR-bill data in a structured Excel spreadsheet.

