## 1.1.5.7 Invoicing management

The ~~Invoicing management provides the~~ T2S Operator <u>can manage</u> ~~with the functionality for~~ <u>the T2S invoices through the Billing Common Component (BILL) functionalities</u> ~~creating invoices and for providing billing information.~~ More specifically, ~~the Invoicing management allows~~ the T2S Operator <u>is allowed to perform</u> <u>the adjustment of consumption data, the regeneration of invoice data, the cancellation and regeneration of invoices not yet paid: in particular, it could manually trigger each BILL process step, providing the needed billing information.</u> ~~generating invoices manually (in addition to the automated invoice generation), confirming the creation of invoices once they have been generated (automatically or manually) and cancelling invoices in case erroneous data in the invoice has been identified.~~ For additional details, see section <u>Invoicing</u> [▷ **Error! Bookmark not defined.**].

## 1.3.4.1 Message subscription configuration

[…]

As an exception, the following outgoing messages are not subject to messages subscription, as T2S sends them to the relevant recipient regardless of its specific message subscription configuration:

l Reactions on erroneous inbound messages [1]

l Query results

l Floor/Ceiling notification

l ~~Invoice and Invoice Cancellation~~

l Outbound liquidity transfer messaqes.

Reports that are available for the different recipients are not configured via message subscription, but on the basis of report configuration (see section <u>Report generation</u> [▷ **Error! Bookmark not defined.**]).

[…]

## 1.5.7 Invoicing management

Without prejudice to the responsibility of the Eurosystem, the T2S Operator <u>can manage</u> <u>the T2S invoices through the Billing Common Component (BILL)</u> ~~the Invoicing management provides the T2S Operator with the functionality for creating invoices and providing billing data information.~~

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1  This refers to any outbound message conveying error information. The exhaustive list of these outbound messages is included in section <u>Index of Business Rules and Error Codes</u> [▷ 1694].

In this context the T2S Operator can initiate the following steps:

l Generation: Basically, the generation of monthly <u>consumption data, invoice data and</u> invoices is executed automatically by ~~T2S~~ <u>the Billing Common Component (BILL)</u>. However, the T2S Operator can trigger <u>the adjustment of consumption data, the regeneration of invoice data and the re-generation</u> of ~~generate~~ invoices manually <u>in exceptional circumstances for the billing period (billing periods can also be smaller than a month, never span over more than a month or overlap each other).</u> ~~case the automatically generated invoice is cancelled and a new one has to be generated or in case of extraordinary circumstances. The T2S Operator can initiate the manual generation daily and the manually generated invoice does not cover a default period. This period can be either a whole month or an indefinite number of past days.~~ Via the automatic and manual generation all data required for information purposes and invoicing are collected.

l ~~Confirmation: The confirmation by the T2S Operator is needed to finalise the invoice creation. A confirmation is needed after each generation, i.e. after each automatic as well as after each manual generation. After the confirmation, T2S sends the created invoices to the respective CSD or CB. In case the T2S Operator does not confirm the provided data, no invoice is created. The provided data remain for information purposes only, i.e. they are stored in T2S and only considered for CSD/ CB information.~~

l Cancellation: In case the data underlying an invoice and therefore the invoice itself are erroneous, the T2S Operator is in charge of the data or invoice's cancellation. ~~The cancellation can be conducted either directly after the invoice generation (i.e. data cancellation) or after the invoice confirmation and the sending to CSDs/ CBs (i.e. invoice cancellation).~~ In case the CSD/CB<u>/CB Participant</u> received an invoice before, they receive an invoice cancellation via A2A afterwards.

The activities related to an invoice creation are displayed in the following table.

<div align="center">TABLE 1 - T2S OPERATOR ACTIVITES FOR AN INVOICE CREATION</div>

| CASE | INITIATION | INITIATOR | POSSIBLE INITIATION TIME | INVOICING PERIOD | T2S OPERATOR ACTIVITY | | |
|---|---|---|---|---|---|---|---|
| | | | | | GENERATION | ~~CONFIRMATION~~ | CANCELLATION POSSIBLE |
| 1 | Automatically | ~~T2S~~ <u>BILL</u> | Monthly | Month<u>/Billing Period</u> | - | ~~X~~ | X |
| 2 | Manually | T2S Operator | Daily | Month<u>/Billing Period</u> | X | ~~X~~ | X |
| ~~3~~ | ~~Manually~~ | ~~T2S Operator~~ | ~~Daily~~ | ~~Intra-month~~ | ~~X~~ | ~~X~~ | ~~X~~ |

~~The T2S Operator can also manually retrieve data underlying an invoice without creating an invoice (See table below, cases 1 and 2). In this case only a generation is necessary. The retrieved data informs the CSD/ CB about the number of services T2S provided to their clients during the requested period.~~

~~If the T2S Operator nevertheless confirms the generated information, an invoice is created and sent to the CSD/ CB.~~

~~A cancellation of the created data is possible. The data is marked as cancelled within T2S, but no cancellation is sent to the CSD/ CB.~~

~~**TABLE 2 - T2S OPERATOR ACTIVITES FOR AN INFORMATION GENERATION**~~

| ~~CASE~~ | ~~INITIATION~~ | ~~INITIATOR~~ | ~~POSSIBLE INITIATION TIME~~ | ~~INVOICING PERIOD~~ | ~~T2S OPERATOR ACTIVITY~~ | | |
|---|---|---|---|---|---|---|---|
| | | | | | ~~GENERATION~~ | ~~CONFIRMATION~~ | ~~CANCELLATION POSSIBLE~~ |
| ~~2~~ | ~~Manually~~ | ~~T2S Operator~~ | ~~Daily~~ | ~~Month~~ | ~~X~~ | ~~-~~ | ~~X~~ |
| ~~3~~ | ~~Manually~~ | ~~T2S Operator~~ | ~~Daily~~ | ~~Intra-month~~ | ~~X~~ | ~~-~~ | ~~X~~ |

### *1.6.3.3.1 Static data objects*

| AREA | OBJECT | RESPONSIBLE T2S ACTORS [2] |
|---|---|---|
| […] | […] | […] |
| Conditional securities delivery configuration | Conditional securities delivery rule | CSD |
| | Conditional securities delivery rule set | CSD |
| Billing configuration | Service item | T2S Operator |
| | Billing Service Configuration | T2S Operator |
| | Tariff | T2S Operator |
| | Invoice configuration | Central Bank |
| | VAT | Central Bank |
| […] | […] | […] |

---

[2]  "All" indicates that all types of T2S Actors (T2S Operator, CSDs, CBs, Payment Banks and CSD Participants) have the ability to manage the object type.

*1.6.4.4.3 Query management process, Table AVAILABILITY OF QUERIES IN A2A AND U2A MODE:*

| QUERY TYPE | INITIATION VIA GUI (U2A MODE) | INITIATION VIA XML MESSAGES (A2A MODE) |
|---|---|---|
| (…) | | |
| Report Details Query | x | x |
| ~~Cumulative Billing Data Query~~ | x | x |
| ~~Itemised Billing Data Query~~ | x | x |
| ~~Cumulative Billing Data List Query~~ | x | |
| ~~Itemised Billing Data List Query~~ | x | |
| (…) | | |

## 1.6.5.7 Invoicing

### 1.6.5.7.1  Concept

The Billing common component (BILL) provides the functionalities for the management of the T2S invoices, in particular for the aggregation of the daily billable items, its enrichment into invoice data and the centralised creation and management of invoices.

The involved actors and their relevant activities are:
- The Operator monitors the correct functioning of BILL and is responsible for the invoice creation and sending and, in exceptional circumstances, for the cancellation of the invoices;
- The ECB actor manages the invoices to be issued to the CSDs and CBs – including the possibilities to insert manual corrections at System Entity level and querying the invoices via U2A at System Entity level;
- The CSDs actor receives via A2A their invoice data and invoices and can access BILL via U2A in order to view and/or download their invoices in PDF format;
- The CB actor can:
    o optionally receive consumption messages;
    o receive its own invoices via A2A;
    o access the system and query invoice data of its participants via U2A and manage manual corrections for the participants' invoices;

- o access the system and view/download the created invoices (its own as System Entity and the ones of its participants) in PDF format;

- o optionally configure direct invoicing (i.e. managing of participant invoice inside BILL)

- o optionally configure direct debiting (i.e. automatic sending of a debit liquidity transfer for the amount of the invoice) for the payments of its participants' invoices.

- Each CB participant (Payment Bank or Ancillary System) can, if configured by the relevant CB, receive its invoices via A2A and receive a direct debit on its account in order to pay the fees. They can, moreover, access BILL via U2A to query their invoices.

-

BILL creates a separate invoice for each service, T2S included.

~~Invoicing is the process providing invoices as well as information on billing data to CSDs and CBs.~~

### 1.6.5.7.2   Overview

~~This process allows T2S:~~

- ~~to send invoices to CSDs and CBs;~~

- ~~to cancel invoices;~~

- ~~to provide billing data on charged services (i.e. number of charged items)~~

- ~~on an itemised basis (based on accounts or clients);~~

- ~~on a cumulated basis (per CSD or CB).~~

~~CSDs and CBs automatically get invoices on a monthly basis. They are sent at the beginning of the next calendar month and calculated in Euro only. In exceptional circumstances, CSDs and CBs can also inquire the creation of invoices on an intra-month basis.~~

~~In case the received invoice is incorrect, CSDs and CBs can require the cancellation of the invoice.~~

~~The Invoicing process also enables CSDs and CBs to get more information about data which are basis for invoicing, e.g. about the number of charged services. CSDs and CBs can choose if they want to receive itemised data, based on accounts or clients or if they want to get cumulative data (per CSD or CB).~~

~~For more information about the calculation of billing data, please refer to the section Billing data collection process [▶ 17].~~

The BILL requires as input a daily gathering of the billable items. Each service (T2S included), service component and common component identifies the respective billable items and communicates them to the BILL.

The daily communication of the billable items has a twofold purpose:

- gathering all the information on the usage of the services, service component and common components and on the billable events related to the participants; these pieces of information (billable items) are the basis for the invoice data calculation;

- enriching the billable items with information valuable for the invoice creation (e.g. party to be charged).

The daily gathering and enriching allows the BILL to generate invoices on flexible billing periods in case of need and under exceptional circumstances.

On the basis of the daily enriched data, at the end of the monthly billing period, the BILL aggregates the billable items into consumption data.

The generated consumption data are, then, enriched with the relevant prices on the basis of the service items configured in CRDM.

The service items are assigned a unit price to be applied in a specific billing period.

The consumption data can be packed into messages and sent to the relevant CBs if they have opted for receiving it. This functionality is available for the CBs only: CSDs are not allowed to opt for the reception of the consumption message.

The consumption data in the billing period, enriched with the charged amounts and aggregated per service, billing period, party to be charged, System Entity of the party to be charged and service item are called invoice data. The invoice data are the foundation of the monthly invoice and they are stored and frozen after their creation. If needed, e.g. in case of an error in the unit price, the Operator can regenerate the invoice data.

In exceptional cases, the Operator can exceptionally rerun the process of generation of the consumption data. In this case, also the invoice data are generated again.

Before the creation of the invoices, the invoice data can be complemented with additional service items inserted as manual corrections for both CBs and CB Participants. The fees of the additional service items can be positive or negative.

On the invoice creation date, the invoices are created on the basis of the invoice data and the related manual correction:

- Invoices for System Entities (CBs and CSDs), including a cumulative overview of fees for the participants within its community of a given service and its own fees for the usage of a given service, issued by the ECB. T2S CSD invoices are System Entity only;
- Invoices for CB participants (for CB who opted for sending the invoices to their Participants in the CRDM Invoice configuration), comprising of the fees of an individual participant of a given service, issued by their System Entity.

Each invoice is assigned a unique number and stored as PDF file. These PDF Invoice files can be, depending on the proper authorisation and data visibility, retrieved by the Operator, ECB users, CB users, CB-Participant users and CSD users.

Additionally, if properly configured, the party to be charged can receive the invoices via A2A message.

If the party to be charged is a CB Participant and its responsible CB has configured it for direct debiting, the BILL creates a direct debit message to debit the account of the CB Participant. The accounts involved in the direct debiting must be properly configured in CRDM, otherwise the direct debiting is not generated and the Operator is alerted.

In exceptional circumstances, the Operator can request the cancellation of an invoice. The cancelled invoice remains stored in the BILL repository and its unique number cannot be used again. After invoice cancellation, a new invoice for the same service, party and billing period can be generated.

### 1.6.5.7.3  Invoice creation process

In preparation for the creation of an invoice, ~~T2S~~BILL daily gather the billable items ~~collects data~~ on T2S ~~services~~ that CSD, CB or CB participants used during a billing period ~~calendar month~~.

The aggregation and enrichment phase is triggered by BILL after the reception of the data. During this phase, BILL enriches it with additional information stemming from CRDM, necessary for the correct execution of the further BILL process steps, and it performs a daily aggregation.

The gathering of data and the aggregation of data must be executed independently so that any delay or error on one service/component does not affect the management of the data/invoices of the others. The process on Common Components could have an impact on the overall process, since Common Components information is relevant for the overall computation. Furthermore, closed/deleted CRDM entities (e.g. parties, accounts) are taken into consideration in the enrichment phase, if needed.

In the first business day of the month BILL triggers the generation of the consumption data and subsequently of the invoice data for the previous month. The consumption and invoice data generation triggered by default is always related to the whole previous month: in exceptional circumstances deviations could be inserted by the Operator to define shorter periods.

The consumption and invoice data generation is performed in two sub-steps.

In the first sub-step the gathered billable items are aggregated into consumption data by System Entity of party to be charged, party to be charged and billing period.

In the second sub-step the BILL enriches the consumption data with the pricing information of the service items configured in CRDM and valid in the given billing period.

When creating the invoice data, the BILL aggregates all the consumption data for the parties including the billable items related to service items with a price of zero.

As a general approach, the aggregation of the invoice data has two levels of details:

- cumulative billing data: aggregated information - for a specified period - for each service item;
- itemised billing data: billing data information on party and account level - for a specified period - for each service item.

The invoice data is the baseline to produce the invoices for a given billing period. The invoice data are stored and cannot be amended, unless the Operator performs the invoice data regeneration. It is not possible to regenerate invoice data if the related invoices have been created and are valid (not cancelled).


~~Afterwards at the beginning of each month, T2Saggregates for each CSD and CB the collected data of the respective previous month, i.e. the data of all clients belonging to a CSD or CB are cumulated. Since only CSDs and CBs are charged by T2S, it is necessary that each CSD and CB client using T2S services is linked to a responsible CSD or CB in T2S Static Data. The aggregated data is called cumulative billing data (see example below – Invoice Creation, step1).~~

EXAMPLE 1 - INVOICE CREATION
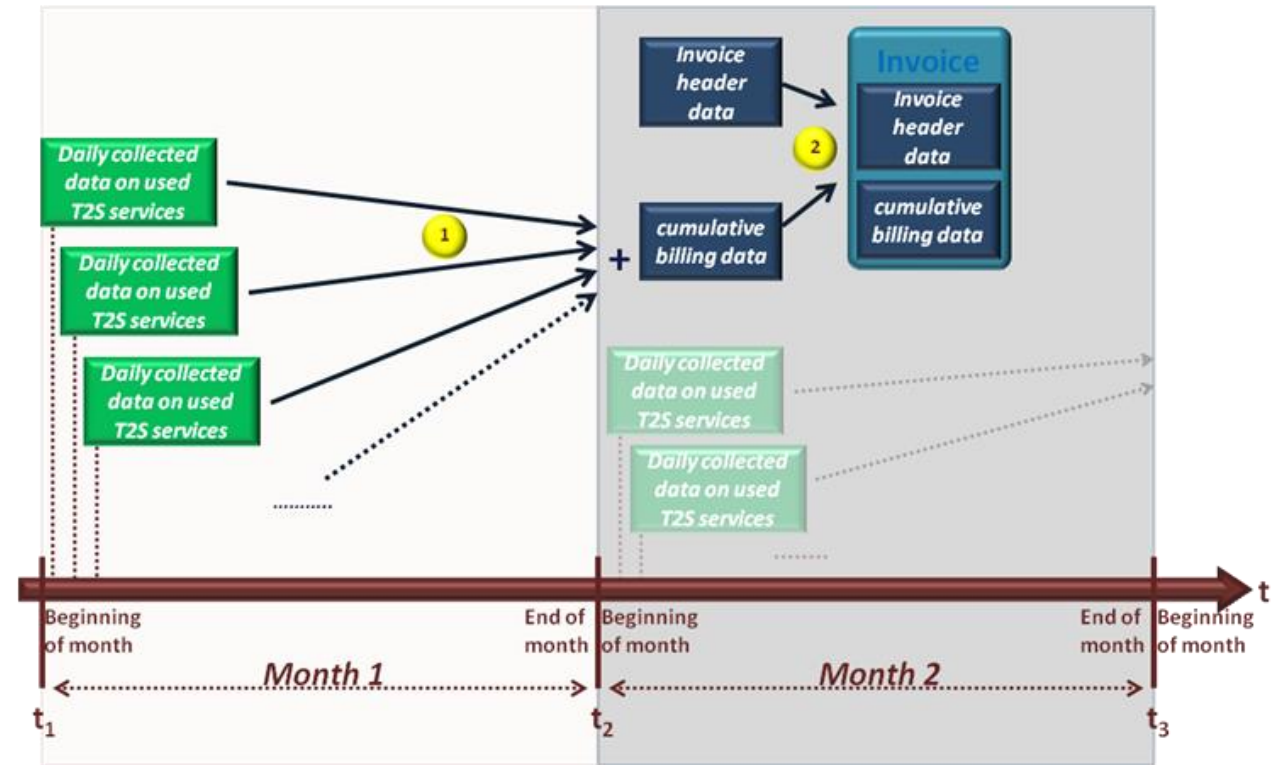


For the creation of an invoice, cumulative billing data are enriched with invoice header data (e.g. invoice number, invoice issuer- and invoice recipient address, etc - step2).

If configured in the Invoice Configuration in CRDM, Central Banks can opt to receive a consumption message, which can be used as raw data for the CBs' internal billing processes. A consumption message contains aggregated consumption data by party to be charged and billing period, regarding the set of chargeable items used by the CB and its Participants.

The consumption message includes the following list of attributes:

- Service (T2S);
- BIC of the relevant CB;
- billing period;
- billable item code;
- billable item category (Settlement Service, Account Management Service, Information Services);
- cash account (if relevant);
- party to be charged;
- total number of the billable item.

Prices are not included. In case a CB opts in or opts out for the consumption message of T2S, the changes are valid only from the following billing period on.

The consumption message is sent in push mode based on the message subscription and routing configuration set up for the CB for the camt.077 message. In case the computation of monthly consumption data of a billing period is recalculated/regenerated due to the operational procedure under exceptional circumstances, BILL could re-send the consumption message to the respective CBs.

After the creation of the invoice data and before the expiration of the manual correction timeframe, defined in CRDM for T2S (i.e. manual correction period), the BILL allows the insertion of additional service items on top of already calculated invoice data, through the U2A mode. However, details on how to apply manual corrections are described in the UHB.

This process involves:

- the ECB actor that can manually correct the invoice data of CSDs, CBs and CB Participants. When inserting a manual correction in a System Entity invoice, the ECB can specify if that correction impacts also specific Participant(s). In this case, the relevant Participant(s) invoice(s) is/are impacted. The ECB is allowed to perform changes on the System Entity invoices only until the CBs are eligible to start the correction of Participant invoices.

- the CB actors that can manually correct the invoice data of their Participants. Corrections performed on CB Participants invoice data do not affect the CB invoice data.

The manual correction step can be performed on invoice data related to a Party and a given billing period. The manual correction is allowed only if the relevant invoice has not been created yet, or if it has been already cancelled.

During the manual correction step, the involved responsible actor can identify the invoice data by System Entity, party to be charged and billing period. Once the relevant invoice data has been selected, the responsible actor can insert additional service items specifying:

- the party to be charged;

- the category and the type of fee to apply;

- the consumption, the percentage or the fixed amount to be applied.

When inserting the service items, the actors can use the ones already available in CRDM for T2S or insert new ones on their own, along with a description. In case a new service item is inserted, it should differ from any registered service item code stored in CRDM for T2S and it will be valid only within the invoice that is being created.

If an existing service item is inserted in a manual correction, BILL applies the VAT configured for the respective service item. In case of a free text manual correction, the user inserting it must specify the VAT rate to be applied, if any – otherwise 0 is considered.

The values, percentages or amounts of the additional service items can be either positive or negative.

The ECB and each CB could insert an additional free text as a manual correction which will then be included in the footer of the PDF invoice.

The invoice creation step is triggered as soon as the invoice creation timeframe is reached. Under specific circumstances, the step can be triggered manually by the Operator. Two different levels of invoices are created by BILL:

- invoices for System Entities (CBs and CSDs), including a cumulative overview of fees for the participants within its community of a T2S and its own fees for the usage of T2S, issued by the ECB;

- invoices for CB participants, comprising of the fees of an individual participant of T2S, issued by their System Entity.

If a CB has opted to invoice its participants outside BILL, no participant invoice shall be created for participants of this System Entity. CSD invoices are System Entity only.

BILL creates invoices for each Party to be charged: the usage of common components will be charged through the above invoices. The invoice is computed on the basis of the invoice data and the manual corrections, taking into consideration also VAT rates configured by CBs and assigned to service items.

The invoice creation process foresees that:

- each calculated invoice is enriched with header information (e.g. a unique invoice number – unique and sequential for Service (T2S) and Country-, the information on sender and receiver, the relevant billing period);

- the BILL assigns the invoice a due date on the basis of the invoice creation date, the T2 calendar and due date offsets (System Entity and Participant) specified as a number of business days and defined in CRDM;

- the calculated invoices are stored as PDF document.

Only one valid invoice for the Service (T2S) and Party to be charged over a specific billing period can exist.

BILL generates a unique, unambiguous invoice number for each created invoice. The generated invoice number has a pattern that allows identifying the Service and the Country the invoice is issued for. The Country and Service are be identified in the first digits of the invoice number, such that invoice numbers within a country and service are increasing by increments of one, as for the following 35 digit pattern:

*CCCSSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

*CCC*: country code, in the form of the numeric num-3 code described in the ISO 3166-1:2020. Due to the fact that the ECB is not included in the standard, then the code 001 will be used.
*SS*: Interested TARGET Service ("02" value is used for T2S)
*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*: unique and sequential number for Country and Service, starting from 00000000000000000000000000000001

Some examples:
38002000000000000000000000000000001 for IT T2S, 27602000000000000000000000000000001 for DE T2S, etc.

Since CSDs are not lined to any Country for definition, the Country will not be considered in the invoice number pattern with the removal of the country code and the enlargement of numeric part to 33 digit.

SSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

In case two or more System Entities are configured for a specific Country (each of which refers to a different currency), then the same pattern will be applied: for a specific billing period, each of them will receive an invoice referred to the common country with increment of the sequence number.

The duly authorised customers can access the invoices, depending on their datascope:
- via A2A query, in order to retrieve invoice data and possible manual corrections: both cumulative billing data (aggregated) and itemised billing data (detailed);
- via U2A, in order to retrieve the invoice generated in PDF format. In this case, ECB users can access all System Entity invoices, CB users can access its own Invoice and the ones of Participants under their default datascope, Participants can access their own Invoices. A CB can download all PDF invoices it has issued for a billing period. Additional details will be described in the UHB.

After the invoice creation, the BILL sends it to the relevant recipient in A2A and it makes the PDF available in U2A.

BILL, by default, sends one invoice per System Entity (CBs and CSDs) via push mode in Application-to-Application mode (A2A) using the BillingReport (camt.077) message to the party technical address of the interested CB or CSD and makes available for downloading a PDF version of the invoice in the BILL GUI. A proper message subscription for camt.077 has to be performed in order to receive the message.

BILL generates the invoices of the CB participants. Furthermore, CBs are allowed to opt for the direct invoicing to their Participants: in this case, all invoices charged by CBs to their CB participants are sent out directly to each Participant. Each CB can then download the invoices related to their participant in the BILL GUI.

Central Banks can configure the automatic sending of Direct Debit (DD) for the charging of the invoices sent to their Participants.

Billing creates DD orders on the invoice due date and submits them to CLM, to debit the participant predefined account for debits and credit the predefined account for credits, as configured in CRDM.

The invoice number is referenced in the payload of the message to help involved actors identifying the transactions related to Billing in their records.

The account to be debited must be an existing MCA (not necessarily under the CB scope) denominated in euro, while the account to be credited must be any account eligible to be credited by Direct Debit in CLM.

CSDs and CBs invoices are not charged by means of DD. If a DD is rejected during EoD due to lack of cash, no further direct debit is automatically created by BILL and the respective CB shall follow-up with the participant bilaterally.

The PDF invoices are created on the basis of templates that have a standard structure based on:
- Invoice header:
  o Invoice number;
  o Billing period;

- o Service (T2S);

- o Invoice date and due date;

- o Name, address of invoice issuer;

- o Logo of the invoice issuer;

- o VAT ID of the invoice issuer;

- o name, address and VAT ID of invoice recipient;

- o Title (possibly different for Invoice/Request for Payment)

- The list of the applied service items on the basis of the invoice data, with the indication of line number, service item code, description (label), service item code, VAT rate (if any and only for participant invoices), quantity, unit price and total amount;

- The list of additional service items (manual corrections);

- Subtotal per VAT rates (if any);

- Subtotal per without tax and the total tax amount;

- Grand total;

- A footer containing textual remarks and notes:

    - o legal mentions and means of payment (including values for the MCA to be debited by Direct Debit for participant invoices (if configured) and the due date);

    - o free text;

    - o a note which specifies if the invoice/request for payment contains at least one service item for which the prorating is applied due to the participation to a Billing Group

The ECB and each CB actor can customise the template by adding the legal mentions, the free text and the means of payment, setting these values (common for all invoices issued for T2S) in their CRDM Invoice Configuration. In addition, the free text in the footer can be customised for each participant invoice using the manual correction BILL functionality. Finally, the ECB and CBs can request the Operator to memorise a logo that is then, used respectively for the CBs invoices at System Entity level and for the Participants invoices – each participant invoice shows the logo linked to its CB.

If properly configured by the relevant CB, a different template can be used for the PDF in case of participants which are tax exempt, removing any mention to VAT with the classification of the document as "request for payment" related to a "reference period".

For CSD, no additional CRDM configuration is required, but address and any other invoice data are extracted from the already existing Party data.

Even if present in the invoice data, the PDF invoice does not report service items whose amount is 0.

Within the PDF invoice, the reported amounts for each service item are rounded to the second decimal digit. However, the total amount of the invoice is based on the unrounded figures of the underlying service items and therefore the sum of the underlying service items (rounded to two decimal digits) may not match with the total amount of the invoice (rounded to two decimal digits).

Finally, invoices are sent via XML messages (See message ~~BillingReport~~ [▶ **Error! Bookmark not defined.**]) to the CSDs and CBs technical address defined in T2S Static Data. The sending is executed via push mode in Application to Application mode (A2A) at the first business day of the month under the precondition that all required steps (e.g. Confirmation of the Operator) are performed before. In case a CSD or CB requires receiving an already sent invoice again, the invoice is accessible via the T2S Resend message functionality. Beyond the invoices sent via XML message, CSDs and CBs can inquire PDF invoices from the T2S Operator. These invoices in PDF format are only additional invoices to the invoices already sent via XML message. Please find below, an example of a PDF invoice.

**EXAMPLE 2 - PDF INVOICE**

**t2s**

**TARGET2-SECURITIES**

**INVOICE ISSUER NAME**

Phone number: 00 (0) 0 00 00 00 00
Fax number: 00 (0) 0 00 00 00 00
Email address: xxxxx(at)xxxxxx.xx
Address:
INVOICE ISSUER NAME
street address[1]
country code[2] + postal code + locality[3]
+ province/state[4]
country name

VAT Number: NUMBER

**INVOICE RECIPIENT NAME**
street address[1]

country code[2] + postal code + locality[3] + prov-
ince/state[4]
country name

To : Mr./ Mrs./ Ms. First Name SURNAME
CSD/ CB reference: BIC
CSD/ CB name: NAME

**"Invoice" Number dated DD/MM/YYYY**

Invoiced period: DD/MM/YYYY – DD/MM/YYYY

| Line | Invoiced Items | Invoiced Units | Price in € | Amount in € |
|------|----------------|----------------|------------|-------------|
| 1 | Service Category Name | | | |
| 2 | Service Item Name | XXXX | XX,XX | X XXX XXX,XX |
| 3 | Service Item Name | XXXX | XX,XX | X XXX XXX,XX |
| ... | ...... | | | |
| 12 | Service Category Name | | | |
| 13 | Service Item Name | XXXX | XX,XX | X XXX XXX,XX |
| ... | ...... | | | |
| | | | Total to be paid in Euro | X XXX XXX,XX |
| | | | VAT not applicable | |

Payment due by DD/MM/YY.
Method of Payment.

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[1] I.e. street name + house number
[2] optional usage, i.e. not demanded by postal authorities
[3] I.e. city/town/village
[4] optional usage, i.e. not necessarily used in all countries

In exceptional circumstances, CSDs or CBs can demand the creation of an invoice within a month, i.e. for a specific number of days. For further details regarding the T2S Operator's involvement in the invoice creation process, please refer to Invoicing management [▷ **Error! Bookmark not defined.**].

In any case T2S stores all created invoices so that they are available for later inquiries by authorised parties.

### 1.6.5.7.4 Invoice cancellation process

~~In case T2S delivered an erroneous invoice, the respective CSD or CB has the possibility to request the initiation of an invoice cancellation. The T2S Operator checks if a cancellation is justified. In case it is necessary to cancel the invoice, the T2S Operator triggers the cancellation. The amendment of an already delivered invoice is not possible.~~

~~After the cancellation of an invoice, the CSD or CB receives an invoice cancellation via XML message (See message BillingReport [▸ **Error! Bookmark not defined.**]). At the same time, the T2S Operator initiates the creation of a new, correct invoice. This manually created invoice is sent to the CSD or CB. Beyond the invoice cancellation sent via XML message, a CSD or CB can inquire a PDF invoice cancellation from the T2S Operator. Please find below an example of a PDF invoice cancellation.~~

The ECB (for CBs and CSDs) and CBs (for their participants) can request the Operator to cancel a previously generated invoice. The invoice cancellation can be executed on the latest created invoices – it is not possible to cancel an invoice related to the billing period x if the BILL has already created invoice data for the billing period x+1.

The invoice cancellation consists in marking the current invoice as cancelled; the related PDF is stored with specific information in the header of the file ("invoice cancelled").

When an invoice is cancelled, it is possible to regenerate the relevant invoice data or to add manual corrections to the already existing invoice data.

The invoice can, then, be generated again.

Upon invoice cancellation, the relevant CSD or CB is informed about the cancellation. The PDF version of the cancelled invoice is stored in the BILL and the relevant actor can download it.

In case the invoice is cancelled before generating the Direct Debit, the BILL does not proceed with the Direct Debit execution.

If the Direct Debit has been already produced and settled, the invoice cancellation is not allowed.

**t2s**
TARGET2-SECURITIES

**INVOICE ISSUER NAME**

Phone number: 00 (0) 0 00 00 00 00
Fax number: 00 (0) 0 00 00 00 00
Email address: xxxxx(at)xxxxxx.xx
Address:
INVOICE ISSUER NAME
street address[1]
country code[2] + postal code + locality[3]
+ province/state[4]
country name

VAT Number: NUMBER

**INVOICE RECIPIENT NAME**
street address[1]

country code[2] + postal code + locality[3] + province/state[4]
country name

To : Mr./ Mrs./ Ms. First Name SURNAME
CSD/ CB reference: BIC
CSD/ CB name: NAME

**"Invoice"** Number dated DD/MM/YYYY

Invoiced period: DD/MM/YYYY – DD/MM/YYYY

Status:          **CANCELLED**

Payment due by DD/MM/YY.
Method of Payment.

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[1] I.e. street name + house number
[2] optional usage, I.e. not demanded by postal authorities
[3] I.e. city/town/village
[4] optional usage, I.e. not necessarily used in all countries

~~The invoice cancellation as well as the new created invoices are stored in T2S so that they are available for later inquiries by authorised parties.~~

### 1.6.5.7.5   Information provisioning process

CSDs and CBs have the possibility to receive information on data collected for invoicing through the execution of queries. The data provide information on charged service items and the number of their usage.

The data for delivery can either be itemised or cumulative billing data.

l Itemised billing data provide information on the level of a single CSD- or CB client, i.e. on the level of single accounts or parties. It includes data on a client's usage of T2S services and the resulting invoicing amount.

l Cumulative billing data are data aggregated for one CSD or CB. Therefore, they are not as detailed as the itemised billing data.

~~CSDs and CBs also have the possibility to request the generation of information for a period, which is different from the invoice period. The number of days the information refer to can be a whole month or a deviating timeframe. The deviating timeframe can cover a period that is shorter or longer than one month, but it can only be a period starting at the maximum three calendar months before the current business day. In any way, the provision of information does not include the creation of an invoice.~~

~~If the information period is identical with the invoice period T2S creates the information automatically. In all other cases CSDs and CBs have to require the information via the T2S Operator who manually triggers the collection of data.~~

All information ~~(automatically generated or generated by the T2S Operator)~~ can be requested by the CSDs or CBs in A2A or User-to-Application mode (U2A) via ~~different~~ BILL screens. For further details on the GUI functionality and the respective screens, please refer to the UHB.

### 1.6.5.7.6 Billing data collection process

On a daily basis, ~~T2S~~ BILL collects data for the creation of invoices. This data refer to the following service categories:

l Settlement services (e.g. DVP-, FOP-, PFOD settlements);

l Account management services (e.g. securities account);

l Information services (e.g. generated Queries, Reports).

The invoicing characteristics of each service category and the associated data are explained in the following sections.

The data ~~T2S~~ BILL counts are defined as "service items". The different service items are either charged per a securities account, a T2S dedicated cash account or a party.

l Items charged to securities accounts are assigned to CSD invoices;

l Items charged to T2S dedicated cash accounts are assigned to CB invoices;

l In case of items charged to parties the assignment to a CSD or CB invoice depends on whether the charged party is linked to a CSD or to a CB. In T2S CSD participants are linked to a CSD and payment banks are linked to a CB.

The tables below provide an exhaustive list of T2S service items to which a charge may apply, i.e. not all of the listed service items are subject to pricing. In addition, the tables include information on each service item's counting and charging as well as further information. Detailed information about the prices for each service item is part of a separate pricing list and is not included in this document. The pricing list also shows which items are

charged with a price of zero at the moment. If the price of a service item or the number of counted events during a billing period is zero, this service item does not appear on the invoice.

To ease the understanding of the columns, two service items (i.e. DVP full and Settlement Modification - Amendment) are exemplary explained in detail:

l   In case of a DVP full transaction, both counterparties sending the respective instructions are charged, i.e. the owner of the credited as well as the owner of the debited securities account. Cash legs of DVP full transactions, i.e. credited and debited T2S dedicated cash accounts, are not object of the charging process. With reference to the column "Counted Events", the table illustrates that each successful settlement of a DVP Settlement Instruction during a billing period is charged. Accordingly, for each settled DVP transaction two accounts are charged;

l   In case of "Settlement Modification – Amendments", it is possible that each Settlement Instruction of a settlement transaction is amended on its own (e.g. by a partial settlement indicator). Each amendment to an already existing Settlement Instruction is charged to the account of the initiating party. This can either be the credited- or the debited securities account. Accordingly, for each Settlement Modification – Amendment only one account is charged. If both instructions are amended, both are charged.

**TABLE 3 - ITEMS CHARGED TO CSDS (SETTLEMENT SERVICES CATEGORY)**

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Delivery versus Payment (DVP) matched | X | X | Each DVP/DWP: <br> l   successfully matched in T2S <br> l   during the billing period | Both accounts are charged. The charge applied is a standard matching charge. <br> DWPs are charged in the same way like DVPs. |
| Delivery versus Payment full [3] | X | X | Each settled DVP/DWP settled during the billing period. | Both accounts are charged. Realignment instructions resulting from a DVP are not charged. <br> DWPs are charged in the same way like DVPs. |

---

3      This is if a DVP/DWP is settled with no former partial settlement(s).

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | All items stemming from auto-collateralization do not attract a charge. |
| Delivery versus Payment full (top/high priority) [4] | X | X | Each settled DVP/DWP:<br><br>l flagged with top, reserved or high priority<br><br>l settled outside the night-time cycle<br><br>l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Delivery versus Payment full (daytime) | X | X | Each settled DVP/DWP:<br><br>l settled during the daytime cycle<br><br>l settled during the billing period | Both accounts are charged. The charge applied is a surcharge.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |

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4    In case an instruction with normal priority settles with high/ top priority (because of the counterparties' instruction having a high/ top priority), the priority surcharge is not applicable to the instruction with normal priority.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Delivery versus Payment full (daytime – congestion period) [5] | X | X | Each settled DVP/DWP: <br>l settled during the congestion period of the daytime cycle <br>l settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge. <br>DWPs are charged in the same way like DVPs. <br>Realignment Instructions are not charged. <br>All items stemming from auto-collateralization do not attract a charge. |
| Delivery versus Payment partial [6] | X | X | Each partially settled DVP/DWP settled during the billing period. | Both accounts are charged. Realignment instructions resulting from a DVP are not charged. <br>DWPs are charged in the same way like DVPs. |
| Delivery versus Payment partial (top/high priority) | X | X | Each partially settled DVP/DWP (in context with partial settlements): <br>l flagged with top, reserved or high priority <br>l settled outside the night-time cycle <br>l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. <br>DWPs are charged in the same way like DVPs. |

---

5    The congestion period will be determined by the event RTCL.

6    This is for all parts of a partial settlement, excluding the last partial settlement completing the DVP/DWP settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | Realignment Instructions are not charged. |
| Delivery versus Payment partial (daytime) | X | X | Each partially settled DVP/DWP: <br> l settled during the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is a surcharge. <br> DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Delivery versus Payment partial (daytime – congestion period) [7] | X | X | Each partially settled DVP/DWP: <br> l settled during the congestion period of the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge. <br> DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Delivery versus Payment last partial [8] | X | X | Each partially settled DVP/DWP completing the settlement: <br> l settled during the billing period | Both accounts are charged. Realignment instructions resulting from a DVP are not charged. <br> DWPs are charged in the same way like DVPs. |
| Delivery versus Payment last partial (top/high priority) | X | X | Each partially settled DVP/DWP completing the settlement (in context with partial settlements): | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If |

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7    The congestion period will be determined by the event RTCL.

8    This is the last partial settlement completing the DVP/DWP settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | l flagged with top, reserved or high priority <br> l settled outside the night-time cycle <br> l settled during the billing period | both instructions are flagged, both are charged. The charge applied is a surcharge. <br> DWPs are charged in the same way like DVPs. <br> Realignment Instructions are not charged. |
| Delivery versus Payment last partial (daytime) | X | X | Each partially settled DVP/DWP completing the settlement: <br> l settled during the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is a surcharge. <br> DWPs are charged in the same way like DVPs. <br> Realignment Instructions are not charged. |
| Delivery versus Payment last partial (daytime – congestion period) [9] | X | X | Each partially settled DVP/DWP completing the settlement: <br> l settled during the congestion period of the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge. <br> DWPs are charged in the same way like DVPs. <br> Realignment Instructions are not charged. |
| Free of Payment (FOP) matched | X | X | Each FOP: <br> l successfully matched in T2S <br> l during the billing period | Both accounts are charged. The charge applied is a standard matching charge. |

9    The congestion period will be determined by the event RTCL.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Free of Payment full [10] | X | X | Each settled FOP settled during the billing period. | Both accounts are charged. Realignment instructions resulting from a FOP are not charged. All items stemming from auto-collateralization do not attract a charge. |
| Free of Payment full (top/high priority) | X | X | Each settled FOP: <br> ▌ flagged with top, reserved or high priority <br> ▌ settled outside the night-time cycle <br> ▌ settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. Realignment Instructions are not charged. All items stemming from auto-collateralization do not attract a charge. |
| Free of Payment full (daytime) | X | X | Each settled FOP: <br> ▌ settled during the daytime cycle <br> ▌ settled during the billing period | Both accounts are charged. The charge applied is a surcharge. Realignment Instructions are not charged. All items stemming from auto-collateralization do not attract a charge. |

10    This is if a FOP is settled with no former partial settlement(s).

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Free of Payment full (daytime – congestion period) [11] | X | X | Each settled FOP: <br><br> l settled during the congestion period of the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge. <br><br> Realignment Instructions are not charged. <br><br> All items stemming from auto-collateralization do not attract a charge. |
| Free of Payment partial [12] | X | X | Each partially settled FOP settled during the billing period. | Both accounts are charged. Realignment instructions resulting from a FOP are not charged. |
| Free of Payment partial (top/high priority) | X | X | Each partially settled FOP (in context with partial settlements): <br><br> l flagged with top, reserved or high priority <br> l settled outside the night-time cycle <br> l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. <br><br> Realignment Instructions are not charged. |
| Free of Payment partial (daytime) | X | X | Each partially settled FOP: <br><br> l settled during the daytime cycle <br> l settled during the billing period | Both accounts are charged. The charge applied is a surcharge. |

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| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | Realignment Instructions are not charged. |
| Free of Payment partial (daytime – congestion period) [13] | X | X | Each partially settled FOP:<br><br>I settled during the congestion period of the daytime cycle<br><br>I settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge.<br><br>Realignment Instructions are not charged. |
| Free of Payment last partial [14] | X | X | Each partially settled FOP completing the settlement:<br><br>I settled during the billing period | Both accounts are charged. Realignment instructions resulting from a FOP are not charged. |
| Free of Payment last partial (top/high priority) | X | | Each partially settled FOP completing the settlement (in context with partial settlements):<br><br>I flagged with top, reserved or high priority<br><br>I settled outside the night-time cycle<br><br>I settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged.<br><br>Realignment Instructions are not charged. |
| | | X | | |
| Free of Payment last partial (daytime) | X | X | Each partially settled FOP:<br><br>I settled during the daytime cycle<br><br>I settled during the billing period | Both accounts are charged. The charge applied is a surcharge.<br><br>Realignment Instructions are not charged. |

---

13    The congestion period will be determined by the event RTCL.

14    This is the last partial settlement completing the FOP settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Free of Payment last partial (daytime – congestion period) [15] | X | X | Each partially settled FOP completing the settlement:<br>❙ settled during the congestion period of the daytime cycle<br>❙ settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge.<br>Realignment Instructions are not charged. |
| Payment free of delivery (PFOD) matched | X | X | Each PFOD:<br>❙ successfully matched in T2S<br>❙ during the billing period | Both accounts are charged. The charge applied is a standard matching charge. |
| Payment free of delivery | X | X | Each settled PFOD settled during the billing period. | Both accounts are charged.<br>Realignment Instructions are not charged.<br>All items stemming from auto-collateralization do not attract a charge. |
| Payment free of delivery (top/high priority) | X | X | Each settled PFOD:<br>❙ flagged with top, reserved or high priority<br>❙ settled outside the night-time cycle<br>❙ settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge.<br>Realignment Instructions are not charged. |

---

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | All items stemming from auto-collateralization do not attract a charge. |
| Payment free of delivery (daytime) | X | X | Each settled PFOD:<br>▎ settled during the daytime cycle<br>▎ settled during the billing period | Both accounts are charged. The charge applied is a surcharge.<br>Realignment Instructions are not charged.<br>All items stemming from auto-collateralization do not attract a charge. |
| Payment free of delivery (daytime – congestion period) [16] | X | X | Each settled PFOD:<br>▎ settled during the congestion period of the daytime cycle<br>▎ settled during the billing period | Both accounts are charged. The charge applied is an additional surcharge to the daytime surcharge.<br>Realignment Instructions are not charged.<br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP account allocations flag) matched | X | X | Each Account Allocation:<br>▎ booked on at least one account with a "DVP/FOP account allocations" flag [17]<br>▎ successfully matched in T2S<br>▎ during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. |

---

16    The congestion period will be determined by the event RTCL.

17    In case an Account Allocation settles on two accounts which are differently flagged (i.e. one account with 'DVP/FOP account allocations flag' and one with 'FOP account allocations flag') it is always treated as 'DVP/FOP account allocations – flagged'.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | The charge applied is a standard matching charge. [18]<br><br>DWPs are charged in the same way like DVPs. |
| Account Allocation (DVP/FOP account allocations flag) full [19] | X | X | Each settled Account Allocation:<br><br>l booked on at least one account with a "DVP/FOP account allocations" flag<br><br>l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP account allocations flag) full (top/high priority) | X | X | Each settled Account Allocation:<br><br>l flagged with top, reserved or high priority<br><br>l settled outside the night-time cycle<br><br>l booked on at least one account with a "DVP/FOP account allocations" flag<br><br>l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. |

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18    In case of an Account Allocation both accounts are charged, although only one of these accounts is flagged for Account Allocation.

19    This is if an Account Allocation is settled with no former partial settlement(s).

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | As regards the DVP/FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP account allocations flag) full (daytime) | X | X | Each settled Account Allocation: <br> l settled during the daytime cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag <br> l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is a surcharge. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP account allocations flag) full (daytime – congestion period) [20] | X | X | Each settled Account Allocation: <br> l settled during the congestion period of the daytime cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag <br> l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge. <br> DWPs are charged in the same way like DVPs. <br> Realignment Instructions are not charged. <br> All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP account allocations flag) partial [21] | X | X | Each partially settled Account Allocation: <br> l booked on at least one account with a "DVP/FOP account allocations" flag <br> l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. |

---

20     The congestion period will be determined by the event RTCL.

21     This is for all parts of a partial settlement, excluding the last partial settlement completing the Account Allocation settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) partial (top/high priority) | X | X | Each partially settled Account Allocation (in context with partial settlements): <br> l flagged with top, reserved or high priority <br> l settled outside the night-time cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag <br> l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. <br> As regards the DVP/FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction. <br> DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) partial (daytime) | X | X | Each partially settled Account Allocation: <br> l settled during the daytime cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | I  settled during the billing period | parts of the transaction. The charge applied is a surcharge.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) partial (daytime – congestion period) [22] | X | X | Each partially settled Account Allocation:<br>I  settled during the congestion period of the daytime cycle<br>I  booked on at least one account with a "DVP/FOP account allocations" flag<br>I  settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) last partial [23] | X | X | Each partially settled Account Allocation completing the settlement:<br>I  booked on at least one account with a "DVP/FOP account allocations" flag<br>I  settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. |

---

22    The congestion period will be determined by the event RTCL.

23    This is the last partial settlement completing the Account Allocation settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) last partial (top/high priority) | X | X | Each partially settled Account Allocation completing the settlement (in context with partial settlements): <br> l flagged with top, reserved or high priority <br> l settled outside the night-time cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag <br> l settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. <br> As regards the DVP/FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction. <br> DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) last partial (daytime) | X | X | Each partially settled Account Allocation completing the settlement: <br> l settled during the daytime cycle <br> l booked on at least one account with a "DVP/FOP account allocations" flag | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | **l** settled during the billing period | parts of the transaction. The charge applied is a surcharge. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP account allocations flag) last partial (daytime – congestion period) [24] | X | X | Each partially settled Account Allocation completing the settlement: <br>**l** settled during the congestion period of the daytime cycle <br>**l** booked on at least one account with a "DVP/FOP account allocations" flag <br>**l** settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) matched | X | X | Each Account Allocation: <br>**l** booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag [25] <br>**l** successfully matched in T2S <br>**l** during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both |

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24    The congestion period will be determined by the event RTCL.

25    In case an Account Allocation settles on two accounts which are differently flagged (i.e. one account with 'DVP/FOP account allocations flag' and one with 'FOP account allocations flag') it is always treated as 'DVP/FOP account allocations – flagged'.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | parts of the transaction. The charge applied is a standard matching charge. [26]<br><br>DWPs are charged in the same way like DVPs. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) full [27] | X | X | Each settled Account Allocation:<br><br>l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) full (top/high priority) | X | X | Each settled Account Allocation:<br><br>l flagged with top, reserved or high priority<br><br>l settled outside the night-time cycle | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. |

26    In case of an Account Allocation both accounts are charged, although only one of these accounts is flagged for Account Allocation.

27    This is if an Account Allocation is settled with no former partial settlement(s).

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | **l** booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>**l** settled during the billing period | The charge applied is a surcharge.<br><br>As regards the DVP/FOP or FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) full (daytime) | X | X | Each settled Account Allocation:<br><br>**l** settled during the daytime cycle<br><br>**l** booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>**l** settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is a surcharge.<br><br>DWPs are charged in the same way like DVPs. |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) full (daytime – congestion period) [28] | X | X | Each settled Account Allocation:<br><br>l settled during the congestion period of the daytime cycle<br><br>l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged.<br><br>All items stemming from auto-collateralization do not attract a charge. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) partial [29] | X | X | Each partially settled Account Allocation:<br><br>l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" |

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28    The congestion period will be determined by the event RTCL.

29    This is for all parts of a partial settlement, excluding the last partial settlement completing the Account Allocation settlement.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | ▮ settled during the billing period | flag, the price for Account Allocations applies for both parts of the transaction. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) partial (top/high priority) | X | X | Each partially settled Account Allocation (in context with partial settlements): ▮ flagged with top, reserved or high priority ▮ settled outside the night-time cycle ▮ booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag ▮ settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge. As regards the DVP/FOP or FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction. DWPs are charged in the same way like DVPs. Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account | X | X | Each partially settled Account Allocation: ▮ settled during the daytime cycle | Both accounts are charged. Even if only one account is |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| allocations flag) partial (daytime) | | | l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br>l settled during the billing period | marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is a surcharge.<br>DWPs are charged in the same way like DVPs.<br>Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) partial (daytime – congestion period) [30] | X | X | Each partially settled Account Allocation:<br>l settled during the congestion period of the daytime cycle<br>l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br>l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge.<br>DWPs are charged in the same way like DVPs.<br>Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account | X | X | Each partially settled Account Allocation completing the settlement: | Both accounts are charged. Even if only one account is |

30    The congestion period will be determined by the event RTCL.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| allocations flag) last partial [31] | | | l  booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>l  settled during the billing period | marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction.<br><br>DWPs are charged in the same way like DVPs.<br><br>Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) last partial (top/high priority) | X | X | Each partially settled Account Allocation completing the settlement (in context with partial settlements):<br><br>l  flagged with top, reserved or high priority<br><br>l  settled outside the night-time cycle<br><br>l  booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag<br><br>l  settled during the billing period | Only the instruction flagged with top, reserved or high priority is charged, i.e. only one account is charged. If both instructions are flagged, both are charged. The charge applied is a surcharge.<br><br>As regards the DVP/FOP or FOP account allocation flag, even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the instruction is treated as an Account Allocations for both parts of the transaction.<br><br>DWPs are charged in the same way like DVPs. |

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| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) last partial (daytime) | X | X | Each partially settled Account Allocation completing the settlement: <br> l settled during the daytime cycle <br> l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag <br> l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is a surcharge. <br> DWPs are charged in the same way like DVPs. <br> Realignment Instructions are not charged. |
| Account Allocation (DVP/FOP- or FOP account allocations flag) last partial (daytime – congestion period) [32] | X | X | Each partially settled Account Allocation completing the settlement: <br> l settled during the congestion period of the daytime cycle <br> l booked on at least one account with a „DVP/FOP account allocations" or „FOP account allocations" flag <br> l settled during the billing period | Both accounts are charged. Even if only one account is marked with a "DVP/FOP account allocations" or "FOP account allocations" flag, the price for Account Allocations applies for both parts of the transaction. The charge applied is an additional surcharge to the daytime surcharge. <br> DWPs are charged in the same way like DVPs. |

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32    The congestion period will be determined by the event RTCL.

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | Realignment Instructions are not charged. |
| Fail on intended settlement day | X | X | Each failed matched DVP/DWP, FOP and PFOD settlement:<br>l on and after the intended settlement day<br>l during the billing period | Both accounts are charged. The charge applied is a surcharge. The charge is applied once per day irrespective of the number of settlement attempts if the settlement instruction is still partially settled or unsettled at the End of Day. DWPs are charged in the same way like DVPs. |
| Cancellation | X | X | Each successful cancellation of a settlement instruction during the billing period | Cancellations of matched and unmatched instructions can be charged, i.e. either both accounts are charged (in case of matched instructions) or only one (in case of an unmatched instruction). Automatic cancellations of instructions are also charged. |
| | X | | | |
| | | X | | |
| Settlement Modification – Hold/ Release | X | | Each successfully executed settlement modification (i.e. put on hold or release):<br>l leading to a change in the hold status (i.e. CSD-, CSD Validation-, Party-, CoSD Hold Status)<br>l during the billing period | The charge applies for any hold or release instruction leading to a change of the Hold status, i.e. CSD-, CSD Validation-, Party- or CoSD Hold Status. Only the instruction put on hold or released is charged, i.e. only one account is |
| | | X | | |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| | | | | charged. If both instructions are put on hold or released, both are charged. Relevant default settings do not attract a charge. |
| Settlement Modification – Amendment | X | X | Each successfully executed settlement modification: <br> l leading to a change of priority, partial settlement indicator and linkage block <br> l during the billing period | Only the instruction amended is charged, i.e. only one account is charged. If both instructions are amended, both are charged. Relevant default settings do not attract a charge. |
| Intra-Position movements | X | | Each successfully executed intra-position movement (i.e. blocking, unblocking, reservation, unreservation, earmarking, unearmarking) during the billing period. All Intra-Position movements stemming from auto-collateralization do not attract a charge. | As the movement occurs within the same securities account (it is debit and credit account at the same time), this account is only charged once. |

| SETTLEMENT SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | CREDITED SECURITIES ACCOUNT | DEBITED SECURITIES ACCOUNT | | |
| Intra-Position movements Cancellation | X | | Any intra-position movement, or remaining part of an intra-position movement, which is cancelled during the billing period | As the movement occurs within the same securities account (it is debit and credit account at the same time), this account is only charged once. |
| Auto collateralisation service with payment bank | | X | Each successfully executed auto collateralisation with a payment bank during the billing period | Only the collateral provider in the first leg of the transaction is charged (i.e. debited securities account). |
| Auto collateralisation service with CB | | X | Each successfully executed auto collateralisation with a CB during the billing period | Only the collateral provider in the first leg of the transaction is charged (i.e. debited securities account). |

**TABLE 4 - ITEMS CHARGED TO CSDS (ACCOUNT MANAGEMENT SERVICES CATEGORY)**

| ACCOUNT MANAGEMENT SERVICES CATEGORY | | | |
|---|---|---|---|
| SERVICE ITEM | CHARGED TO | COUNTED EVENTS | FURTHER INFORMATION |
| | SECURITIES ACCOUNT | | |
| Securities Account (ISIN) | X | Each ISIN:<br>l held in an at least 1 day open and active securities account<br>l flagged to be charged by ISIN<br>l during the billing period | The charge for securities accounts applies monthly. Accounts closed during the billing period are also charged.<br><br>CSD clients decide which option (ISIN or Account) is applied for their accounts. Their choice is stable in the long term. |
| Securities Account (Account) | X | Each at least 1 day open and active securities account:<br>l not flagged to be charged by ISIN<br>l during the billing period | |

**TABLE 5 - ITEMS CHARGED TO CSDS (INFORMATION SERVICES CATEGORY)**

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Transmissions (inbound) | X | | Each Transmission:<br><br>l received by T2S/Common Components<br><br>l during the billing period | All types of incoming transmissions (except technical Acknowledgements) are charged, e.g. each message, file, flat file (for bulk loading) [33], A2A Query Request. |
| Transmissions (outbound) | | X | Each Transmission:<br><br>l sent by T2S/Common Components<br><br>l during the billing period | All types of outgoing transmissions (except technical Acknowledgements) are charged, e.g. each message, file, flat file (for bulk loading) [34], A2A Query Response or A2A Report. [35] |
| Messages bundled into a file (inbound) | X | | Each Message:<br><br>l bundled into a file<br><br>l received by T2S/Common Components<br><br>l during the billing period | The charge is based on the number of messages in the file. All messages of incoming files are charged. Messages received by T2S/Common Components which are not accepted or not successfully authenticated are not charged. |

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33   For "Penalty Modification Requests", "Securities subject to Cash Penalties" and "Cash Penalty Daily Price" a one-off Transmission (inbound) fee is charged. The content of the file is not charged as Messages bundled into a file (inbound)

34   For "Penalty Modification Requests", "Securities subject to Cash Penalties" and "Cash Penalty Daily Price" a one-off Transmission (outbound) fee is charged. The content of the file is not charged as Messages bundled into a file (outbound)

35   admi.007 messages for the following business cases are not charged
   l   ICAA001: T2S cannot respond to the query request within the timeout limit. Store and forward network service will be used.
   l   ICAA002: T2S cannot respond via message based network service due to size restriction. File store and forward network service will be used.
   l   ICAA003: T2S cannot respond to the query due to 32MB size restriction.

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Messages bundled into a file (outbound) | | X | Each Message:<br>l bundled into a file<br>l sent by T2S/Common Components<br>l during the billing period | The charge is based on the number of messages in the file. All messages of outgoing files are charged. The charge is based on the number of messages in the file. |
| U2A Query (Downloaded) - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▸ 60]. | X | | Each business item in a downloaded U2A Query during the billing period.<br><br>Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applied is based on the number of business items in the downloaded U2A Query. A business item can either be a defined element of the query or the query itself. The charge applies only to one party (linked to a CSD). A list of U2A Queries and associated business items is shown in a separate table. |
| Queries and Reports outside congestion period: | | | | |
| A2A Reports - "Report Type"<br><br>Each report type is a separate Service Item; see Table 202 - A2A Reports and Business Items [▸ 57]. | | X | Each reported business item during the billing period.<br><br>Each report type separately (e.g. Statement of Holding, Statement of Transactions, etc.) | The charge applied is based on the 'reported number of business items' as defined in the URD. The charge applies only to one party (linked to a CSD). A list of A2A Reports and associated business items is shown in a separate table. Reports delivered as flat files are subject to the same pricing like ISO Reports. |

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| A2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 203 - A2A Queries and Business Items [▸ 58]. | | X | Each queried business item during the billing period.<br><br>Each query type separately (e.g. Securities Balance Query, Settlement Instruction Query, etc.) | The charge applied is based on the 'queried number of business items' as defined in the URD. The charge applies only to one party (linked to a CSD). A list of A2A Queries and associated business items is shown in a separate table. |
| U2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▸ 60]. | X | | Each executed search function during the billing period.<br><br>Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applies only to one party (linked to a CSD). A list of U2A Queries is shown in a separate table. |
| **Queries and Reports during congestion period** [36]**:** | | | | |

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| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| A2A Reports - "Report Type"<br><br>Each report type is a separate Service Item; see Table 202 - A2A Reports and Business Items [▷ 57]. | | X | Each reported business item during the billing period.<br><br>Each report type separately (e.g. Statement of Holding, Statement of Transactions, etc.) | The charge applied is based on the 'reported number of business items' as defined in the URD. The charge applies only to one party (linked to a CSD). The charged applied is an additional surcharge. A list of A2A Reports and associated business items is shown in a separate table. Reports delivered as flat files are subject to the same pricing like ISO Reports. |
| A2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 203 - A2A Queries and Business Items [▷ 58]. | | X | Each queried business item during the billing period.<br><br>Each query type separately (e.g. Securities Balance Query, Settlement Instruction Query, etc.) | The charge applied is based on the 'queried number of business items' as defined in the URD. The charge applies only to one party (linked to a CSD). The charged applied is an additional surcharge. A list of A2A Queries and associated business items is shown in a separate table. |
| U2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▷ 60]. | X | | Each executed search function during the billing period.<br><br>Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applies only to one party (linked to a CSD). The charged applied is an additional surcharge. A list of U2A Queries is shown in a separate table. |

**TABLE 6 - ITEMS CHARGED TO CBS (SETTLEMENT SERVICES CATEGORY)**

| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
|---|---|---|---|---|
| | CREDITED T2S DCA | DEBITED T2S DCA | | |
| Internal Liquidity Transfer – "Currency" (//each currency is a separate Service Item) | | X | Each successfully executed Internal Liquidity Transfer (i.e. Liquidity Transfer between two T2S dedicated cash accounts): <br> l during the billing period <br> l each currency separately | Only the instructing party is charged (i.e. debited cash account). |
| Outbound Liquidity Transfer – "Currency" (//each currency is a separate Service Item) | | X | Each successfully executed Outbound Liquidity Transfer (i.e. Liquidity Transfer from a T2S dedicated cash account to an RTGS account): <br> l during the billing period <br> l each currency separately | Only the instructing party is charged (i.e. debited cash account). |
| Intra-Balance movements | X | | Each successfully executed intra-balance movement (i.e. blocking, unblocking, reservation, unreservation) during the billing period | As the movement occurs within the same cash account (it is debit and credit account at the same time), this account is only charged once. <br><br> The automatic release of cash blockings during End-of-day and the regenerated cash blockings at the next Start-of-day in case of a CoSD are also charged. |

**TABLE 7 - ITEMS CHARGED TO CBS (ACCOUNT MANAGEMENT SERVICES CATEGORY)**

| SERVICE ITEM | CHARGED TO | COUNTED EVENTS | FURTHER INFORMATION |
|---|---|---|---|
| | CASH ACCOUNT | | |
| Fee per cash account | X | Each at least 1 day open and active cash account during the billing period | The charge for cash accounts applies monthly. Accounts |

| ACCOUNT MANAGEMENT SERVICES CATEGORY | | | |
|---|---|---|---|
| SERVICE ITEM | CHARGED TO<br><br>CASH ACCOUNT | COUNTED EVENTS | FURTHER INFORMATION |
| | | | closed during the billing period are also charged. |

**TABLE 8 - ITEMS CHARGED TO CBS (INFORMATION SERVICES CATEGORY)**

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Transmissions (inbound) | X | | Each Transmission:<br>l received by T2S/Common Components<br>l during the billing period | All types of incoming transmissions (except technical Acknowledgements) are charged, e.g. each message, file, A2A Query Request. Transmissions to maintain static data for auto-collateralization/ client-collateralization are not charged here but in separate service items.<br><br>Transmissions of files containing messages to maintain static data for auto-collateralization/ client-collateralization and other types of messages are charged as Transmissions (inbound). |
| Transmissions (outbound) | | X | Each Transmission:<br>l sent by T2S/Common Components<br>l during the billing period | All types of outgoing transmissions (except technical Acknowledgements) are charged, e.g. each message, file, A2A Query Response or A2A Report. [37] Transmissions to maintain |

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37 admi.007 messages for the following business cases are not charged
    l ICAA001: T2S cannot respond to the query request within the timeout limit. Store and forward network service will be used.
    l ICAA002: T2S cannot respond via message based network service due to size restriction. File store and forward network service will be used.

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| | | | | static data for auto-collateralization/ client-collateralization are not charged here but in separate service items. Transmissions of files containing messages to maintain static data for auto-collateralization/ client-collateralization and other types of messages are charged as Transmissions (outbound). |
| Transmissions (inbound) maintain static data auto-collateralization | X | | Each transmission: **l** to maintain static data for auto-collateralization **l** received by T2S/Common Components **l** during the billing period | All incoming transmissions to maintain static data for auto-collateralization for National Central Banks are charged. [38] |
| Transmissions (inbound) maintain static data client-collateralization | X | | Each transmission: **l** to maintain static data for client- collateralization **l** received by T2S/Common Components **l** during the billing period | All incoming transmissions to maintain static data for client auto-collateralization for payment banks are charged. [39] |
| Transmissions (outbound) maintain static data auto-collateralization | | X | Each transmission: **l** to maintain static data for auto-collateralization | All outgoing transmissions to maintain static data for auto- |

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**l**   ICAA003: T2S cannot respond to the query due to 32MB size restriction.

38   The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▸ 81]

39   The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▸ 81]

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| | | | l  sent by T2S/Common Components <br> l  during the billing period | collateralization for National Central Banks are charged. [40] [41] |
| Transmissions (outbound) maintain static data client-collateralization | | X | Each transmission: <br> l  to maintain static data for client- collateralization <br> l  sent by T2S/Common Components <br> l  during the billing period | All outgoing transmissions to maintain static data for client auto-collateralization for payment banks are charged. [42] [43] |
| Messages bundled into a file (inbound) | X | | Each Message: <br> l  bundled into a file <br> l  received by T2S/Common Components <br> l  during the billing period | The charge is based on the number of messages in the file. All messages of incoming files are charged. Messages received by T2S/Common Components which are not accepted or not successfully authenticated are not charged. Messages to maintain static data for auto-collateralization/ client-collateralization are not charged here but in separate service items. |

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40     The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▷ 81]

41     admi.007 messages for the following business cases are not charged
  l  ICAA001: T2S cannot respond to the query request within the timeout limit. Store and forward network service will be used.
  l  ICAA002: T2S cannot respond via message based network service due to size restriction. File store and forward network service will be used.
  l  ICAA003: T2S cannot respond to the query due to 32MB size restriction.

42     The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▷ 81]

43     admi.007 messages for the following business cases are not charged
  l  ICAA001: T2S cannot respond to the query request within the timeout limit. Store and forward network service will be used.
  l  ICAA002: T2S cannot respond via message based network service due to size restriction. File store and forward network service will be used.
  l  ICAA003: T2S cannot respond to the query due to 32MB size restriction.

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Messages bundled into a file (outbound) | | X | Each Message:<br>l  bundled into a file<br>l  sent by T2S/Common Components<br>l  during the billing period | The charge is based on the number of messages in the file. All messages of outgoing files are charged. The charge is based on the number of messages in the file. Messages to maintain static data for auto-collateralization/ client-collateralization are not charged here but in separate service items. |
| Messages bundled into a file (inbound) maintain static data auto-collateralization | X | | Each message:<br>l  bundled into a file<br>l  received by T2S/Common Components<br>l  during the billing period<br>l  to maintain static data for auto-collateralization | All incoming messages to maintain static data for auto-collateralization for National Central Banks are charged. The charge is based on the number of messages in the file. Messages received by T2S/Common Components which are not accepted or not successfully authenticated are not charged. [44] |
| Messages bundled into a file (inbound) maintain static data client-collateralization | X | | Each message:<br>l  bundled into a file<br>l  received by T2S/Common Components<br>l  during the billing period<br>l  to maintain static data for client- collateralization | All incoming messages to maintain static data for client-collateralization for payment banks are charged. The charge is based on the number of messages in the file. Messages received by T2S/Common Components which are not accepted or not successfully authenticated are not charged. [45] |

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[44]   The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▸ 81]

[45]   The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▸ 81]

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Messages bundled into a file (outbound) maintain static data auto-collateralization | | X | Each message:<br>l bundled into a file<br>l sent by T2S/Common Components<br>l during the billing period<br>l to maintain static data for auto-collateralization | All outgoing messages to maintain static data for auto-collateralization for National Central Banks are charged. The charge is based on the number of messages in the file. [46] |
| Messages bundled into a file (outbound) maintain static data client-collateralization | | X | Each message:<br>l bundled into a file<br>l sent by T2S/Common Components<br>l during the billing period<br>l to maintain static data for client- collateralization | All outgoing messages to maintain static data for client-collateralization for payment banks are charged. The charge is based on the number of messages in the file. [47] |
| U2A Query (Downloaded) - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▷ 60]. | X | | Each business item in a downloaded U2A Query during the billing period. Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applied is based on the number of business items in the downloaded U2A Query. A business item can either be a defined element of the query or the query itself. The charge applies only to one party (linked to a CB). A list of U2A Queries and associated business items is shown in a separate table. |
| **Queries and Reports outside congestion period:** | | | | |
| A2A Reports - "Report Type" | | X | Each reported business item during the billing period. | The charge applied is based on the 'reported number of business |

46    The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▷ 81]

47    The relevant messages to maintain static data for auto-/client-collateralization are listed in UDFS 1.2.3.1 [▷ 81]

| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| Each report type is a separate Service Item; see Table 202 - A2A Reports and Business Items [▶ 57]. | | | Each report type separately (e.g. Statement of Holding, Statement of Transactions, etc.) | items' as defined in the URD. The charge applies only to one party (linked to a CB). A list of A2A Reports and associated business items is shown in a separate table. Reports delivered as flat files are subject to the same pricing like ISO Reports. |
| A2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 203 - A2A Queries and Business Items [▶ 58]. | | X | Each queried business item during the billing period.<br><br>Each query type separately (e.g. Securities Balance Query, Settlement Instruction Query, etc.) | The charge applied is based on the 'queried number of business items' as defined in the URD. The charge applies only to one party (linked to a CB). A list of A2A Queries and associated business items is shown in a separate table. |
| U2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▶ 60]. | X | | Each executed search function during the billing period.<br><br>Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applies only to one party (linked to a CB). A list of U2A Queries is shown in a separate table. |
| **Queries and Reports during congestion period** [48]**:** | | | | |

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| INFORMATION SERVICES CATEGORY | | | | |
|---|---|---|---|---|
| SERVICE ITEM | CHARGED TO | | COUNTED EVENTS | FURTHER INFORMATION |
| | BUSINESS SENDING PARTY | RECEIVING PARTY | | |
| A2A Reports - "Report Type"<br><br>Each report type is a separate Service Item; see Table 202 - A2A Reports and Business Items [▶ 57]. | | X | Each reported business item during the billing period.<br><br>Each report type separately (e.g. Statement of Holding, Statement of Transactions, etc.) | The charge applied is based on the 'reported number of business items' as defined in the URD. The charge applies only to one party (linked to a CB). The charged applied is an additional surcharge. A list of A2A Reports and associated business items is shown in a separate table. Reports delivered as flat files are subject to the same pricing like ISO Reports. |
| A2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 203 - A2A Queries and Business Items [▶ 58]. | | X | Each reported business item during the billing period.<br><br>Each query type separately (e.g. Securities Balance Query, Settlement Instruction Query, etc.) | The charge applied is based on the 'reported number of business items' as defined in the URD. The charge applies only to one party (linked to a CB). The charged applied is an additional surcharge. A list of A2A Queries and associated business items is shown in a separate table. |
| U2A Queries - "Query Type"<br><br>Each query type is a separate Service Item; see Table 204 - U2A Queries and Business Items [▶ 60]. | X | | Each executed search function during the billing period.<br><br>Each query type separately (e.g. Limit Query, T2S Calendar Query, etc.) | The charge applies only to one party (linked to a CB). The charged applied is an additional surcharge. A list of U2A Queries is shown in a separate table. |

The following table shows a list of A2A Reports and associated business items. The table refers to service items "A2A Reports – Report Type" as A2A Reports are charged per reported business item and charges apply to each report type separately.

**TABLE 9 - A2A REPORTS AND BUSINESS ITEMS**

| REPORT NAME | BUSINESS ITEM |
|---|---|
| Current Settlement Day Cash Information Report | T2S Dedicated Cash Account |
| Daily Penalty List | Cash Penalty |
| Following Settlement Day Cash Forecast Report | T2S Dedicated Cash Account |
| List of Modified Penalties | Cash Penalty |
| Monthly Report of Aggregated Amounts | Cash Penalty |
| Statement of Accounts | Cash Posting |
| Statement of Settlement Allegements | Allegement |
| Statement of executed amendment instructions for Intra-Balance Movements | Amendment Instruction |
| Statement of executed amendment instructions for Intra-Position Movements and Settlement Instructions | Amendment Instruction |
| Statement of executed cancellation instructions for Intra-Balance Movements | Cancellation Instruction |
| Statement of executed cancellation instructions for Intra-Position Movements and Settlement Instructions | Cancellation Instruction |
| Statement of Holdings | Securities Position |
| Statement of pending amendment instructions for Intra-Balance Movements | Amendment Instruction |
| Statement of pending amendment instructions for Intra-Position Movements and Settlement Instructions | Amendment Instruction |
| Statement of pending cancellation instructions for Intra-Balance Movements | Cancellation Instruction |
| Statement of pending cancellation instructions for Intra-Position Movements and Settlement Instructions | Cancellation Instruction |
| Statement of Pending Instructions | Settlement Instruction |
| Statement of pending intra-balance movements | Intra-Balance Movement |
| Statement of pending intra-position movements | Intra-Position Movement |
| Statement of settled intra-balance movements | Intra-Balance Movement |
| Statement of settled intra-position movements | Intra-Position Movement |

| REPORT NAME | BUSINESS ITEM |
|---|---|
| Statement of Static Data for Party | Party |
| Statement of Static Data for Securities | Security |
| Statement of Static Data for Securities Accounts | Securities Account |
| Statement of Static Data for T2S Dedicated Cash Accounts | T2S Dedicated Cash Account |
| Statement of Transactions | Settlement Instruction |

The following table shows a list of A2A Queries and associated business items. The table refers to service items "A2A Queries – Query Type" as A2A Queries are charged per queried business item and charges apply to each query type separately.

**TABLE 10 - A2A QUERIES AND BUSINESS ITEMS**

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Amendment Instruction Query for Intra-Balance Movements | Amendment Instruction |
| Amendment Instruction Query for Intra-Position Movements and Settlement Instructions | Amendment Instruction |
| Cancellation Instruction Query for Intra Balance Movements | Cancellation Instruction |
| Cancellation Instruction Query for Intra-Position Movements and Settlement Instructions | Cancellation Instruction |
| Cash Account List Query | T2S Dedicated Cash Account |
| Cash Discount Penalty Rate Query | Cash Discount Penalty Rate Query |
| Cash Forecast Query | T2S Dedicated Cash Account |
| Collateral Value of a Security Query | T2S Dedicated Cash Account |
| Collateral Value per T2S Dedicated Cash Account Query | T2S Dedicated Cash Account |
| Cumulative Billing Data Query | Party |
| Current Status of the T2S Settlement Day | Business Day |
| Daily Price Query | Daily Price Query |
| Immediate Liquidity Transfer Order Detail Query | Immediate Liquidity Transfer Order |
| Immediate Liquidity Transfer Order List Query | Immediate Liquidity Transfer Order |
| Intra-Balance Movement Query | Intra-Balance Movement |
| Intra-Position Movement Query | Intra-Position Movement |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| ISIN List Query | Security |
| Itemised Billing Data Query | Billing Item |
| Limit Query | Limit |
| Limit Utilisation Journal Query | Limit |
| Limit Utilisation Query | Limit |
| Liquidity Transfer Order Detail Query | Standing or Predefined Liquidity Transfer Order |
| Liquidity Transfer Order Link Set Query | Liquidity Transfer Order Link Set |
| Liquidity Transfer Order List Query | Standing or Predefined Liquidity Transfer Order |
| Liquidity Transfer Order of a Liquidity Transfer Order Link Set Query | Standing or Predefined Liquidity Transfer Order |
| Outstanding Auto-Collateralisation Credit Query | T2S Dedicated Cash Account |
| Party List Query | Party |
| Party Reference Data Query | Party |
| Report Details Query | Report |
| Restricted Party Query | Party |
| Securities Account List Query | Securities Account |
| Securities Account Position (History) Query | Securities Position |
| Securities Account Reference Data Query | Securities Account |
| Securities CSD Link Query | Security |
| Securities Deviating Nominal Query | Security |
| Securities Reference Data Query | Security |
| Settlement Instruction Audit Trail Query | Settlement Instruction |
| Settlement Instruction Current Status Query | Settlement Instruction |
| Settlement Instruction Query | Settlement Instruction |
| Settlement Instruction Status Audit Trail Query | Settlement Instruction |
| Static Data Audit Trail/ Revision Query | Security / Party / Securities Account / T2S Dedicated Cash Account |
| T2S Calendar Query | Dates |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| T2S Dedicated Cash Account Balance Query | T2S Dedicated Cash Account |
| T2S Dedicated Cash Account Posting Query | Cash Posting |
| T2S Dedicated Cash Account Reference Data Query | T2S Dedicated Cash Account |
| T2S Diary Query | Business Day |
| T2S Overall Liquidity Query | Party |
| Total Amount of Standing and Predefined Liquidity Transfer Orders Query | Party |
| Total collateral value per T2S Dedicated Cash Account Query | T2S Dedicated Cash Account |

The following table shows a list of U2A Queries and associated business items.

The first column of the table refers to service items "U2A Queries – Query Type" and "U2A Queries (Downloaded) – Query Type". In both cases charges apply to each query type separately.

In case of "U2A Queries – Query Type" each executed search function is charged (i.e. no charge per business item; the second column of the table is not applicable).

In case of "U2A Queries (Downloaded) – Query Type" the number of queried business items is charged (see second column of the table). For some types of queries the associated business item is the query itself. In these cases the number of counted business items is always one.

**TABLE 11 - U2A QUERIES AND BUSINESS ITEMS**

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Access Rights Query | Access Rights Query |
| Allegement Query | Allegement |
| Amendment Instruction Query for Intra-Balance Movements | Amendment Instruction |
| Amendment Instruction Query for Intra-Position Movements and Settlement Instructions | Amendment Instruction |
| Attribute Domain Details Query | Attribute Domain Details Query |
| Attribute Domain List Query | Attribute Domain List Query |
| Attribute Reference Details Query | Attribute Reference Details Query |
| Attribute Reference List Query | Attribute Reference List Query |
| Auto-Collateralisation Eligibility Link List Query | Auto-Collateralisation Eligibility Link List Query |
| Broadcast Query | Broadcast Query |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Cancellation Instruction Query for Intra-Balance Movements | Cancellation Instruction |
| Cancellation Instruction Query for Intra-Position Movements and Settlement Instructions | Cancellation Instruction |
| Cash Account List Query | T2S Dedicated Cash Account |
| Cash Forecast Query | T2S Dedicated Cash Account |
| Certificate Query | Certificate Query |
| Close Link List Query | Close Link List Query |
| Closing Day Query | Closing Day Query |
| CMB Details Query | CMB Details Query |
| CMB List Query | CMB List Query |
| CMB Securities Account Links List Query | CMB Securities Account Links List Query |
| Collateral Value of a Security Query | T2S Dedicated Cash Account |
| Collateral Value per T2S Dedicated Cash Account Query | T2S Dedicated Cash Account |
| CoSD Rule List Query | CoSD Rule List Query |
| CoSD Rule Set List Query | CoSD Rule Set List Query |
| Country Query | Country Query |
| CSD Account Link Query | CSD Account Link Query |
| Cumulative Billing Data List Query | Party |
| Cumulative Billing Data Query | Party |
| Currency Query | Currency Query |
| Current Status of the T2S Settlement Day | Business Day |
| Data Changes Details Query | Data Changes Details Query |
| Data Changes List Query | Data Changes List Query |
| Default Event Schedule Details Query | Default Event Schedule Details Query |
| Eligible Counterpart CSD List Query | Eligible Counterpart CSD List Query |
| Eligible Counterpart CSD Details Query | Eligible Counterpart CSD Details Query |
| Euro Foreign Exchange Reference Rate Query | Euro Foreign Exchange Reference Rate Query |
| Event Type Details Query | Event Type Details Query |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Event Type List Query | Event Type List Query |
| External RTGS Account Details Query | External RTGS Account Details Query |
| External RTGS Account List Query | External RTGS Account List Query |
| Granted System Privileges List Query | Granted System Privileges List Query |
| Granted Object Privileges List Query | Granted Object Privileges List Query |
| Granted Roles List Query | Granted Roles List Query |
| Immediate Liquidity Transfer Order Detail Query | Immediate Liquidity Transfer Order |
| Immediate Liquidity Transfer Order List Query | Immediate Liquidity Transfer Order |
| Inbound Files Details Query | Inbound Files Details Query |
| Inbound Files List Query | Inbound Files List Query |
| Inbound Message Details Query | Inbound Message Details Query |
| Inbound Message List Query | Inbound Message List Query |
| Intra-Balance Movement Query | Intra-Balance Movement |
| Intra-Balance Movement Query for possible restore actions | Intra-Balance Movement |
| Intra-Position Movement Query | Intra Position Movement |
| Intra-Position Movement Query for possible restore actions | Intra Position Movement |
| ISIN List Query | Security |
| Itemised Billing Data List Query | Billing Item |
| Itemised Billing Data Query | Billing Item |
| Limit Query | Limit |
| Limit Utilisation Journal Query | Limit |
| Limit Utilisation Query | Limit |
| Links Preventing Settlement Query | Links Preventing Settlement Query |
| Liquidity Transfer Order Detail Query | Standing or Predefined Liquidity Transfer Order |
| Liquidity Transfer Order Link Set Query | Liquidity Transfer Order Link Set |
| Liquidity Transfer Order List Query | Standing or Predefined Liquidity Transfer Order |
| Liquidity Transfer Order of a Liquidity Transfer Order Link Set Query | Standing or Predefined Liquidity Transfer Order |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Maintenance Instructions for Intra-Balance Movements Query | Intra-Balance Movement |
| Maintenance Instructions for Intra-Position Movements Query | Intra-Position Movement |
| Market-Specific Attribute Detail Query | Market-Specific Attribute Detail Query |
| Market-Specific Attribute List Query | Market-Specific Attribute List Query |
| Market-Specific Restriction List Query | Market-Specific Restriction List Query |
| Market-Specific Restriction Type Rule Detail Query | Market-Specific Restriction Type Rule Detail Query |
| Market-Specific Restriction Type Rule Parameter Detail Query | Market-Specific Restriction Type Rule Parameter Detail Query |
| Market-Specific Restriction Type Rule Set List Query | Market-Specific Restriction Type Rule Set List Query |
| Message Subscription Rule List Query | Message Subscription Rule List Query |
| Message Subscription Rule Set Details Query | Message Subscription Rule Set Details Query |
| Message Subscription Rule Set List Query | Message Subscription Rule Set List Query |
| Monthly Net Penalty Amounts Query | Monthly Net Penalty Amounts Query |
| Network Service List Query | Network Service List Query |
| Operating Day Types Detail Query | Operating Day Types Detail Query |
| Operating Day Types List Query | Operating Day Types List Query |
| Outbound Files Details Query | File |
| Outbound Files List Query | File |
| Outbound Message Details Query | Message |
| Outbound Message List Query | Message |
| Outstanding Auto-Collateralisation Credit Query | T2S Dedicated Cash Account |
| Partial Settlement Threshold Query | Partial Settlement Threshold Query |
| Party List Query | Party |
| Party Reference Data Query | Party |
| Penalty Details Query | Cash Penalty |
| Penalty List Query | Cash Penalty |
| Privilege Query | Privilege Query |
| Queued Static Data Changes Query | Queued Static Data Changes Query |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Report Configuration Detail Query | Report Configuration Detail Query |
| Report Configuration List Query | Report Configuration List Query |
| Report Details Query | Report |
| Report List Query | Report |
| Residual Static Data Audit Trail Query | Residual Static Data Audit Trail Query |
| Restricted Party Query | Party |
| Role List Query | Role List Query |
| Routing List Query | Routing List Query |
| Secured Group Details Query | Secured Group Details Query |
| Secured Group List Query | Secured Group List Query |
| Securities Account List Query | Securities Account |
| Securities Account Position (History) Query | Securities Position |
| Securities Account Reference Data Query | Securities Account |
| Securities CSD Link Query | Security |
| Securities Deviating Nominal Query | Security |
| Securities Penalty Query | Securities Penalty Query |
| Securities Position Detailed Restriction Details Query | Security |
| Securities Posting Query | Securities Posting |
| Securities Reference Data Query | Security |
| Securities Subject to Cash Penalties Query | Securities Subject to Cash Penalties Query |
| Securities Valuation List Query | Security |
| Service Item Details Query | Service Item Details Query |
| Service Item List Query | Service Item List Query |
| Settlement Instruction Audit Trail Query | Settlement Instruction |
| Settlement Instruction Current Status Query | Settlement Instruction |
| Settlement Instruction Query | Settlement Instruction |
| Settlement Instruction Matched and Accepted Status Query | Settlement Instruction |

| QUERY NAME | BUSINESS ITEM |
|---|---|
| Settlement Instruction Query for possible restore actions | Settlement Instruction |
| Settlement Instruction Status Audit Trail Query | Settlement Instruction |
| SME Growth Market Query | SME Growth Market Query |
| Static Data Audit Trail/ Revision Query | Security / Party / Securities Account / T2S Dedicated Cash Account |
| System Entity Query | System Entity Query |
| T2S BIC Query | T2S BIC Query |
| T2S Calendar Query | Dates |
| T2S Dedicated Cash Account Balance Detailed Restrictions Query | T2S Dedicated Cash Account |
| T2S Dedicated Cash Account Balance Query | T2S Dedicated Cash Account |
| T2S Dedicated Cash Account Posting Query | Cash Posting |
| T2S Dedicated Cash Account Reference Data Query | T2S Dedicated Cash Account |
| T2S Diary Query | Business Day |
| T2S Overall Liquidity Query | Party |
| T2S System User Link Query | T2S System User Link Query |
| T2S System User Query (T2S Actor Query) | T2S System User Query (T2S Actor Query) |
| Technical Addresses Network Services Link Details Query | Technical Addresses Network Services Link Details Query |
| Tolerance Amount Query | Tolerance Amount Query |
| Total Amount of Standing and Predefined Liquidity Transfer Orders Query | Party |
| Total collateral value per T2S Dedicated Cash Account Query | T2S Dedicated Cash Account |
| Transactional Data Audit Trail List Query | Transactional Data Audit Trail List Query |

### 1.6.5.7.7   Parameter Synthesis
No specific configuration from the T2S Actor (i.e. CSD/ CB)

**Chapter 2.18.3 Send Query - Inbound and Outbound messages Table:**

| QUERY TYPE | INPUT | | OUTPUT | | | |
|---|---|---|---|---|---|---|
| | QUERY MESSAGE | | QUERY RESPONSE MESSAGE FOR OPERATIONAL ERROR | | QUERY RESPONSE MESSAGE FOR BUSINESS DATA | |
| | ISO MESSAGE | ISO CODE | ISO MESSAGE/ MESSAGE USAGE | ISO CODE | ISO MESSAGE/ MESSAGE USAGE | ISO CODE |
| Report Details Query | ReportQueryRequest [ ▷ **Error! Bookmark not defined.**] | admi.005.001.01 | ReceiptAcknowledgement [ ▷ **Error! Bookmark not defined.**] / "Report Details Query Response" [ ▷ **Error! Bookmark not defined.**] | admi.007.001.01 | ReceiptAcknowledgement [ ▷ **Error! Bookmark not defined.**] /"Report Details Query Response" [ ▷ **Error! Bookmark not defined.**] or Any Report (See section Outbound messages [ ▷ **Error! Bookmark not defined.**]) | admi.007.001.01 orAny message used for reports |
| Cumulative Billing Data Query | BillingReportRequest [ ▷ **Error! Bookmark not defined.**] | camt.076.001.01 | BillingReport [ ▷ **Error! Bookmark not defined.**] / "Cumulative Billing Data Query Response" [ ▷ **Error! Bookmark not defined.**] | camt.077.001.01 | BillingReport [ ▷ **Error! Bookmark not defined.**] / "Cumulative Billing Data Query Response" [ ▷ **Error! Bookmark not defined.**] | camt.077.001.01 |
| Itemised Billing Data Query | BillingReportRequest [ ▷ **Error! Bookmark not defined.**] | camt.076.001.01 | BillingReport [ ▷ **Error! Bookmark not defined.**] / "Itemised Billing Data Query Response" | camt.077.001.01 | BillingReport [ ▷ **Error! Bookmark not defined.**] / "Itemised Billing Data Query Response" | camt.077.001.01 |

| QUERY TYPE | INPUT | | OUTPUT | | | |
|---|---|---|---|---|---|---|
| | QUERY MESSAGE | | QUERY RESPONSE MESSAGE FOR OPERATIONAL ERROR | | QUERY RESPONSE MESSAGE FOR BUSINESS DATA | |
| | ISO MESSAGE | ISO CODE | ISO MESSAGE/ MESSAGE USAGE | ISO CODE | ISO MESSAGE/ MESSAGE USAGE | ISO CODE |
| | | | [ ~~Error! Bookmark not defined.~~] | | [ ~~Error! Bookmark not defined.~~] | |
| Amendment Instruction Query for Intra-Balance Movements | IntraBalanceMovementModificationnQuery [▷ **Error! Bookmark not defined.**] | camt.080.001.01 | IntraBalanceMovementModificationReport [▷ **Error! Bookmark not defined.**] / "Amendment Instruction Query Response for Intra-Balance Movements" [▷ **Error! Bookmark not defined.**] | camt.081.001.01 | IntraBalanceMovementModificationReport [▷ **Error! Bookmark not defined.**] / "Amendment Instruction Query Response for Intra-Balance Movements" [▷ **Error! Bookmark not defined.**] | camt.081.001.01 |

# 2.24 Resend Message or File

[…]

## 2.24.3.2    Outbound messages

| ISO MESSAGE/ MESSAGE USAGE | ISO CODE |
|---|---|
| […] | […] |
| IntraBalanceMovementCancellationRequestStatusAdvice [▷ **Error! Bookmark not defined.**] / all usages | camt.075.001.01 |
| ~~BillingReport~~ [ ~~Error! Bookmark not defined.~~] / ~~"Invoice"~~ [ ~~Error! Bookmark not defined.~~] | ~~camt.077.001.01~~ |

| ISO MESSAGE/ MESSAGE USAGE | ISO CODE |
|---|---|
| BillingReport [▷ **Error! Bookmark not defined.**] / "Invoice cancellation" [▷ **Error! Bookmark not defined.**] | camt.077.001.01 |
| IntraBalanceMovementModificationReport [▷ **Error! Bookmark not defined.**] / "Statement of executed amendment instructions for Intra-Balance Movements" [▷ **Error! Bookmark not defined.**] | camt.081.001.01 |
| […] | […] |

## 2.25 Receive Invoice

### 2.25.1 Introduction

This section describes, based on a use case, the outbound message resulting from the processing of an invoice in T2SBILL. This use case covers the sending of an invoice after its creation which was either automatically or manually triggered.

The Actors involved in the use case are the CSD/CB/CB Participant recipient of the invoice.

### 2.25.2 Activity Diagram

The Activity Diagram shows all the interactions between T2SBILL and relevant CSD/CB/CB Participant in respect of invoices.
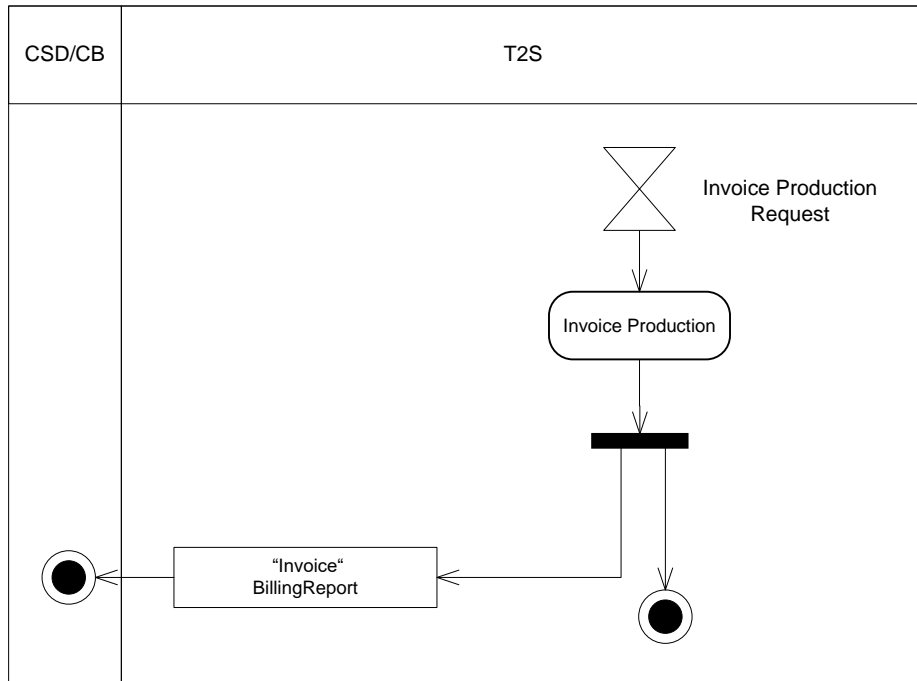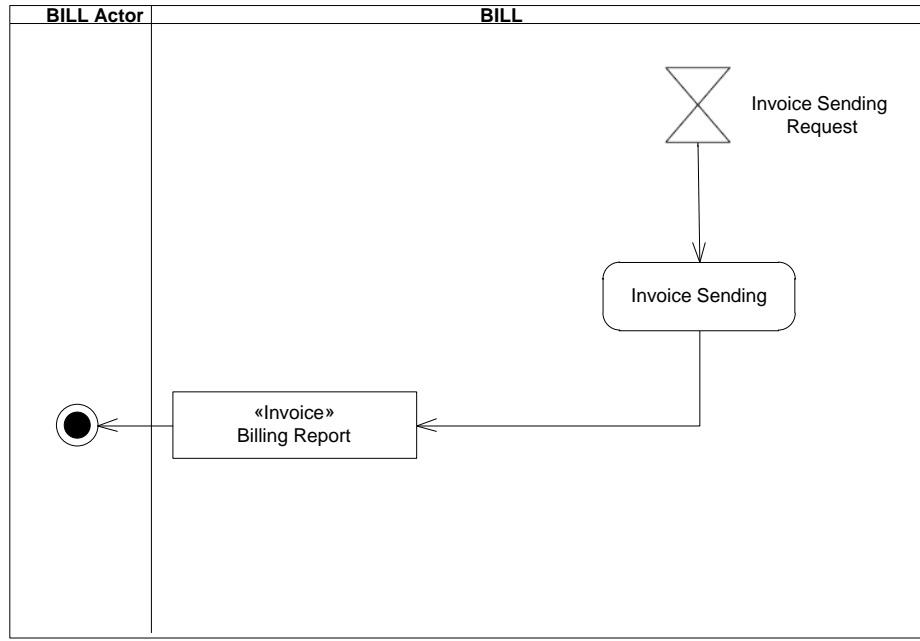
## 2.25.2.1 Invoice Production

~~The creation of an invoice is triggered:~~

- I ~~Automatically, once a month;~~
- I ~~On request from the T2S Operator in case a former created and sent invoice was cancelled (see section~~ ~~Receive Invoice Cancellation [▶7069]), e.g. because of invalid data, and a new one has to be produced.~~

~~In exceptional circumstances the T2S Operator can request the creation of an invoice after being asked for one from a CSD/ CB. In this case the requested invoicing period can be a period covering a whole month or a period smaller than one month. The process of sending such an invoice is identical to the process of sending a monthly invoice after a request by the T2S Operator.~~
On request, BILL sends to the authorised actor a BillingReport (camt.077) message containing the invoice.

The invoice sending request is triggered after the invoice creation.

## 2.25.3 Inbound and outbound messages

## 2.25.3.1 Inbound message

No inbound message.

## 2.25.3.2 Outbound messages

| ISO MESSAGE/ MESSAGE USAGE | ISO CODE |
|---|---|
| BillingReport/"Invoice" | camt.077.001.01 |

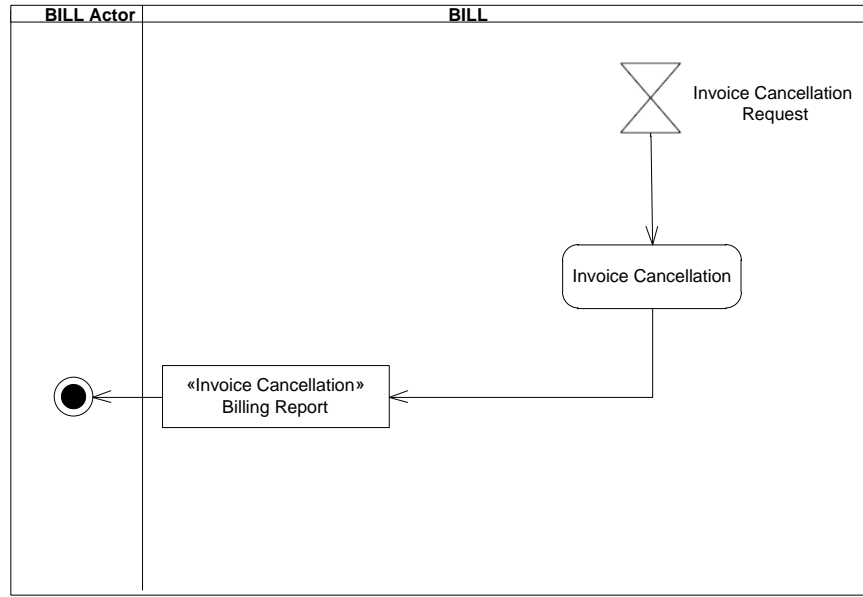# 2.26 Receive Invoice Cancellation

## 2.26.1 Introduction

This section describes, based on a use case, the outbound message resulting from the processing of an invoice cancellation request by the T2S Operator. The T2S Operator initiates the Invoice cancellation after a CSD/CB asked for the cancellation of an invoice.

The Actors potentially involved in the use case are the CSD/CB/CB Participant recipient of an invoice cancellation.

## 2.26.2 Activity Diagram

The Activity Diagram shows all the interactions between the relevant T2S Actors and T2SBILL in respect of invoice cancellations.
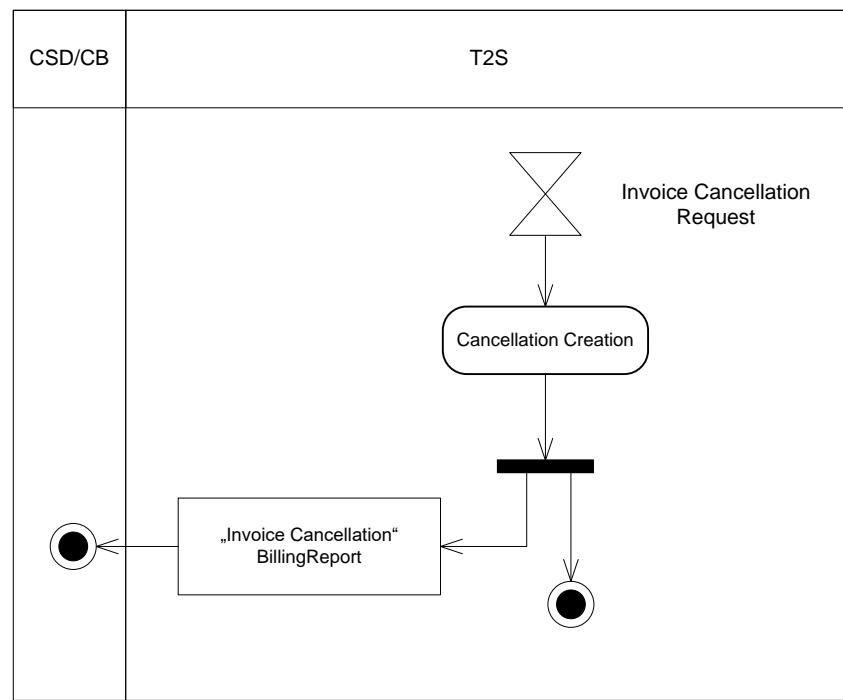
### 2.26.2.1 Cancellation Creation

~~On invoice cancellation request, T2S cancels the respective invoice, creates the relevant~~ ~~"Invoice Cancellation"~~ [▸ **Error! Bookmark not defined.**] ~~BillingReport~~ [▸ **Error! Bookmark not defined.**] ~~and sends it to the respective CSD or CB.~~

On request, BILL sends to the authorised actor a BillingReport (camt.077) message containing the invoice cancellation data. The Operator can trigger the request to cancel a previously generated invoice upon an ECB (for CBs and CSDs) or CBs (for their participants) request.

## 2.26.3 Inbound and outbound messages

### 2.26.3.1 Inbound message

No inbound message.

### 2.26.3.2 Outbound messages

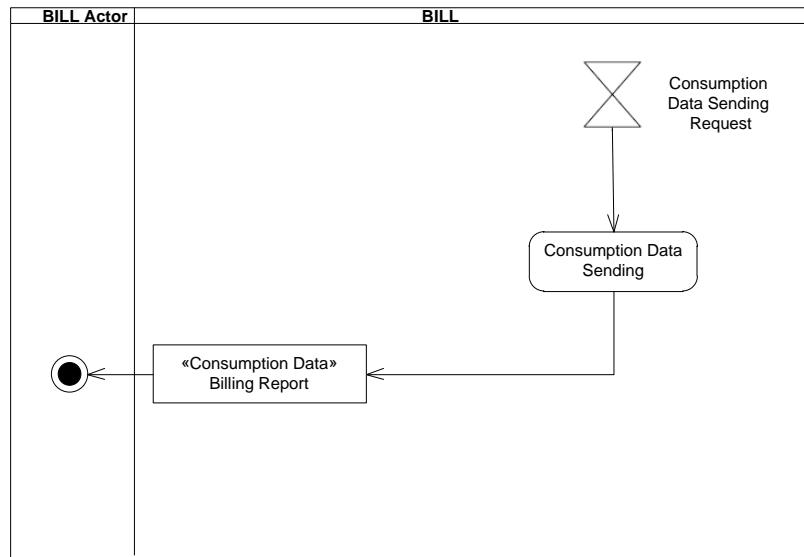| ISO Message/ Message Usage | ISO Code |
|---|---|
| BillingReport/"Invoice Cancellation" | camt.077.001.01 |

# 2.25 Receive Consumption Data

## 2.25.1 Introduction

This section describes the outbound message resulting from the sending of the consumption data  in BILL.

### 2.25.2  Activity Diagram

The Activity Diagram shows all the interactions between the relevant T2S Actors and <u>BILL</u> in respect of of consumption data sending.



#### 2.25.2.1  Consumption data

On request, BILL sends to the authorised actor a BillingReport (camt.077) message containing the consumption data.

The consumption data sending request is triggered after the consumption data creation

### 2.25.3  Inbound and outbound messages

#### 2.25.3.1  Inbound message

No inbound message.

#### 2.25.3.2  Outbound messages

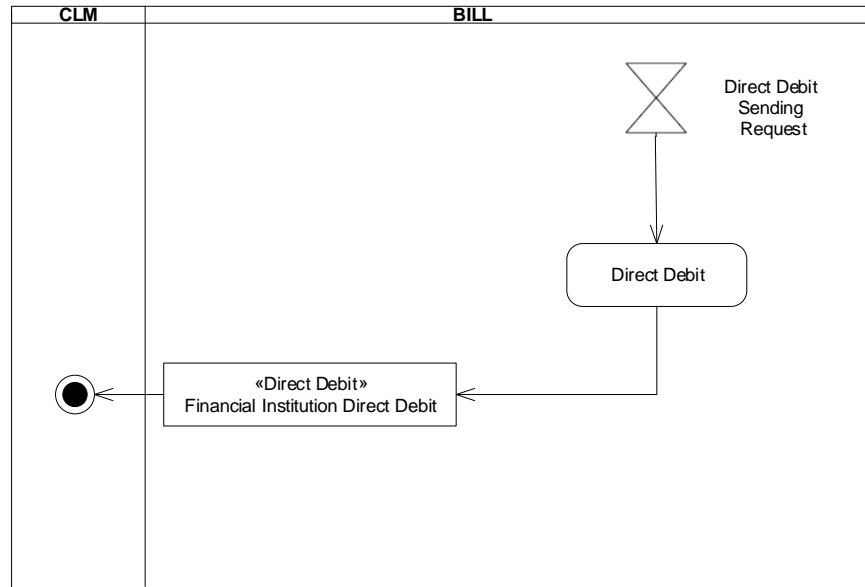| ISO Message/ Message Usage | ISO Code |
|---|---|
| BillingReport/"Consumption Data" | camt.077.001.01 |

# 2.26 A2A Send Direct Debit to CLM

### 2.26.1  Introduction

This section describes the outbound message resulting from the sending of the direct debit in BILL.

## 2.26.2  Activity Diagram

The Activity Diagram shows all the processing steps in respect of direct debit sending:



### 2.26.2.1  Direct Debit

On request, BILL sends to CLM a FinancialInstitutionDirectDebit (pacs.010) message containing the direct debit.

The direct debit sending request is triggered in the Participant invoice due date, after the send invoice process.

Detailed information about FinancialInstitutionDirectDebit message could be found in the related section of the CLM UDFS [CLM – User Detailed Functional Specification].

The consumption data sending request is triggered after the consumption data creation