TARGET Instant Payment Settlement

Reference Data Guide

~~R2023~~R2024.NOV

Author	4CB
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1. Introduction

This brief guide is intended as an additional aid for the CRDM GUI user starting to configure the data under their responsibility, but its purpose is not, in any way, to substitute for the CRDM UHB, where you will find all the needed information to use the GUI screens (e.g. needed privileges, types of users, business rules, etc.).

The document is divided into two main parts: the first is devoted to the reference data under the responsibility of the Central Bank; the second details the reference data that can be created directly by the TIPS Participants or Ancillary Systems. Please consider that all the data maintained by TIPS Participants or Ancillary Systems can be maintained by the relevant Central Bank.

In order to be able to instruct successfully in TIPS **all the reference data has to be configured correctly**, unless the relevant object is explicitly mentioned as optional.

In summary, the following actions have to be performed by a Central Bank:

1. Create a **Party**
2. Add the **Technical Address Network Service Links**
3. Create a **Party Service Link** to define the Party as a TIPS participant, Reachable party or Ancillary System
4. Create a new **Administrator User** for the TIPS Actor[1]
5. Create the **Certificate DN** for the TIPS Actor user
6. Create the **User-Certificate DN link** for the Administrator user
7. Create **Predefined Roles** for Administrator Users and TIPS Actors
8. Grant the Administrator User with the “Administer Party” role
9. Create a non-administrator User for the Central Bank (only if additional CB users are needed)
10. Grant the CB non-administrator user with the relevant roles (only if additional CB users are needed)
11. Create the **Certificate DN** for the CB non-administrator user (only if additional CB users are needed))
12. Create the **User-Certificate DN link** for the CB non-administrator user (only if additional CB users are needed)
13. Create a **Cash Account** owned by a TIPS participant or Ancillary System
14. Define an **Authorised Account User** for the cash account (this step can also be performed by the Payment Bank or Ancillary System)
15. Define a **DN-BIC routing** configuration (this step can also be performed by the Payment Bank or Ancillary System)
16. Define a **Billing** configuration

While the following steps can be performed by a Payment Bank:

1. Grant the Administrator user with the relevant roles
2. Create a non-administrator User

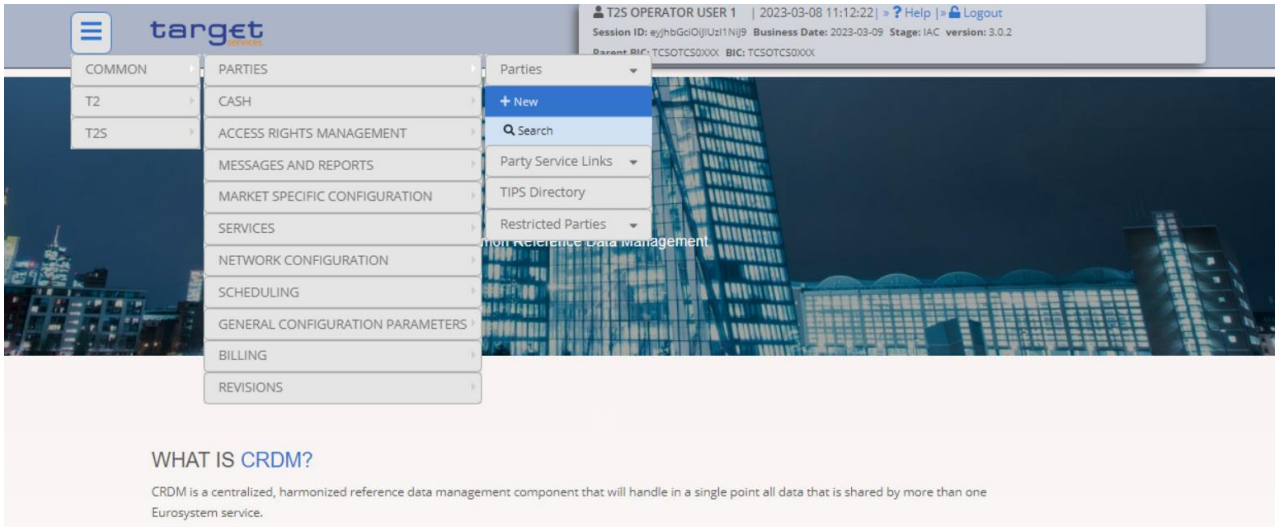
[1] A TIPS Actor can be of type Central Bank, TIPS Participant, Reachable Party and Ancillary System.

3. Create the **Certificate DN** for the non-administrator user
4. Create the **User-Certificate DN link** for the non-administrator user
5. Grant the non-administrator user with the relevant roles
6. Define an **Authorised Account User** for the Cash Account
7. Define a **DN-BIC routing** configuration
8. Define a **CMB** on Cash Account (optional)
9. Define a **Limit** on the CMB (mandatory only if the CMB has been created)
10. Define the Reachable Party as Authorised Account User for the CMB (mandatory only if the CMB has been created)
11. Define a **Report Configuration** for the TIPS Participant or Ancillary System (optional)
12. Define a **Message Subscription Rule Set** for the TIPS Participant or Ancillary System (optional)
13. Define a **Routing** configuration for the TIPS Participant or Ancillary System (optional)

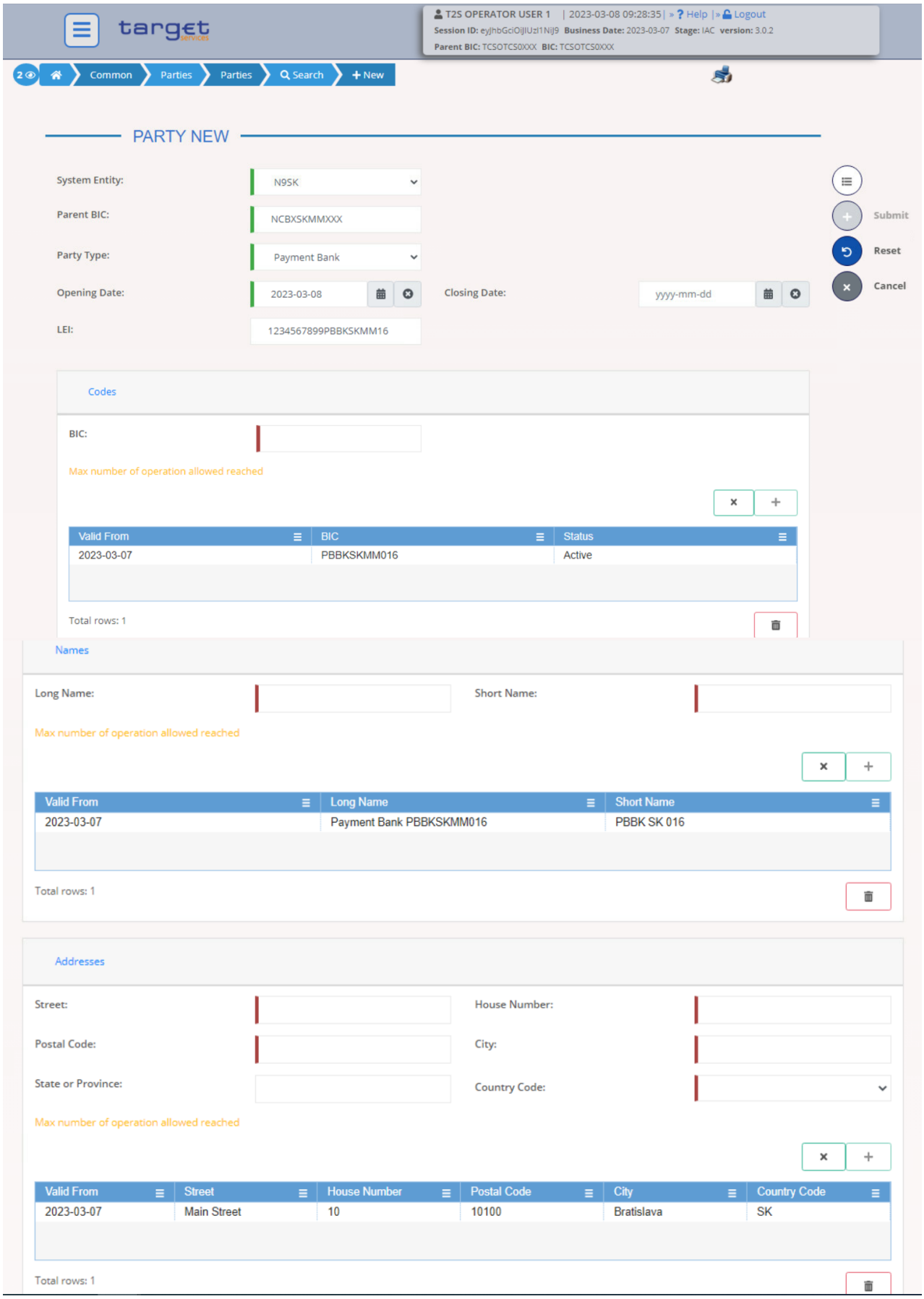
1.1 Reference Data under Central Bank responsibility

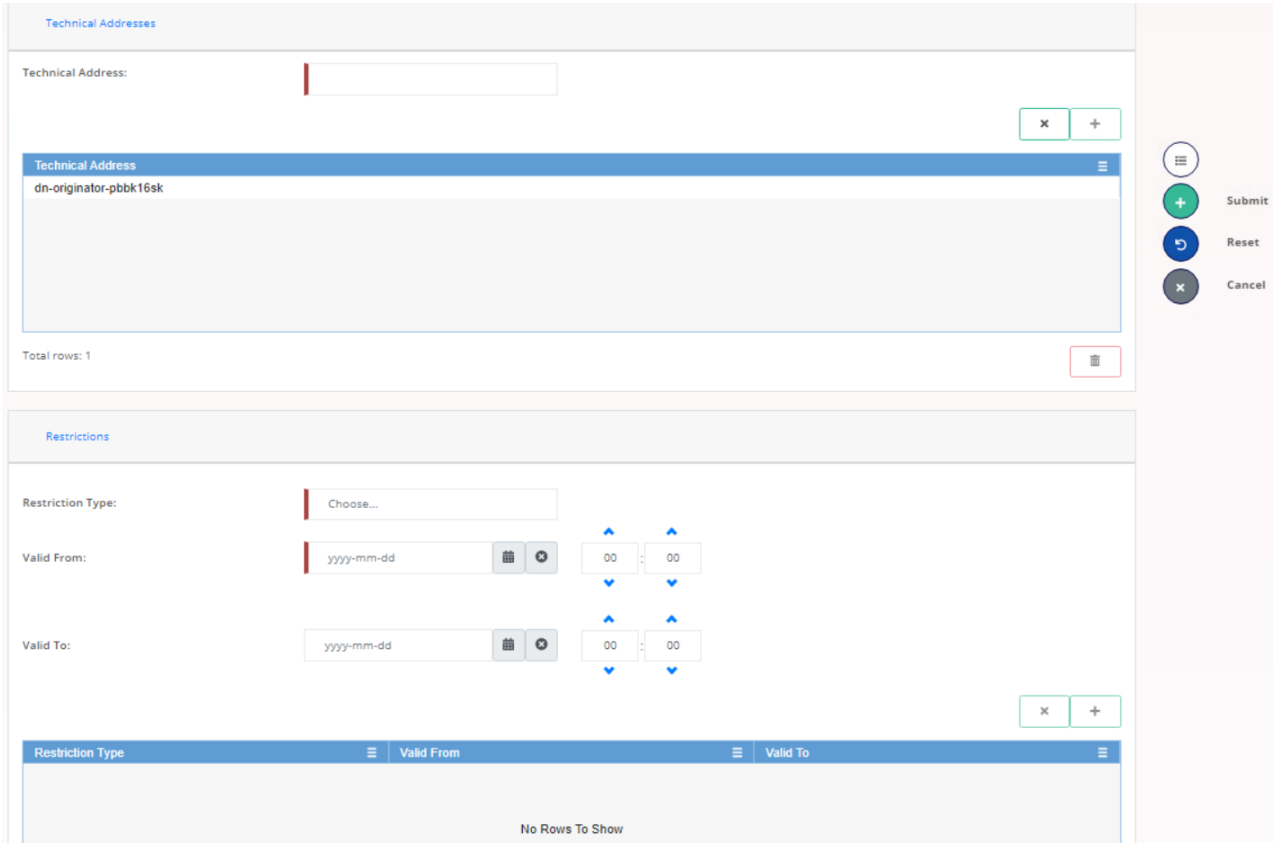
1.1.1 Create Party[2]

- Go to the *Common / Parties / Parties / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Parties / Parties / Search* screen and click on the ***New*** button. Then insert the requested data as shown in the screenshot below.
- Please note that you have to insert all the *Party Technical Addresses* that will be used by the created party for A2A communication.

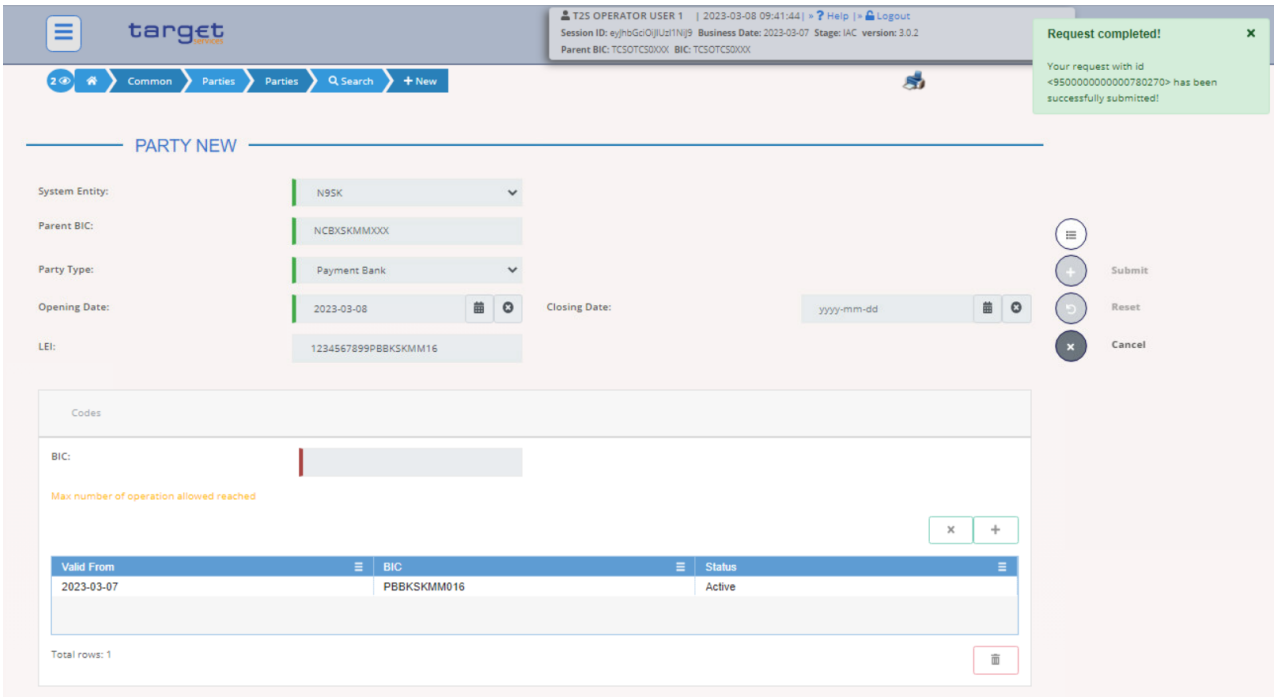


[2] In case the Party already exists it is possible to Edit it directly and add the needed TANSL configuration.

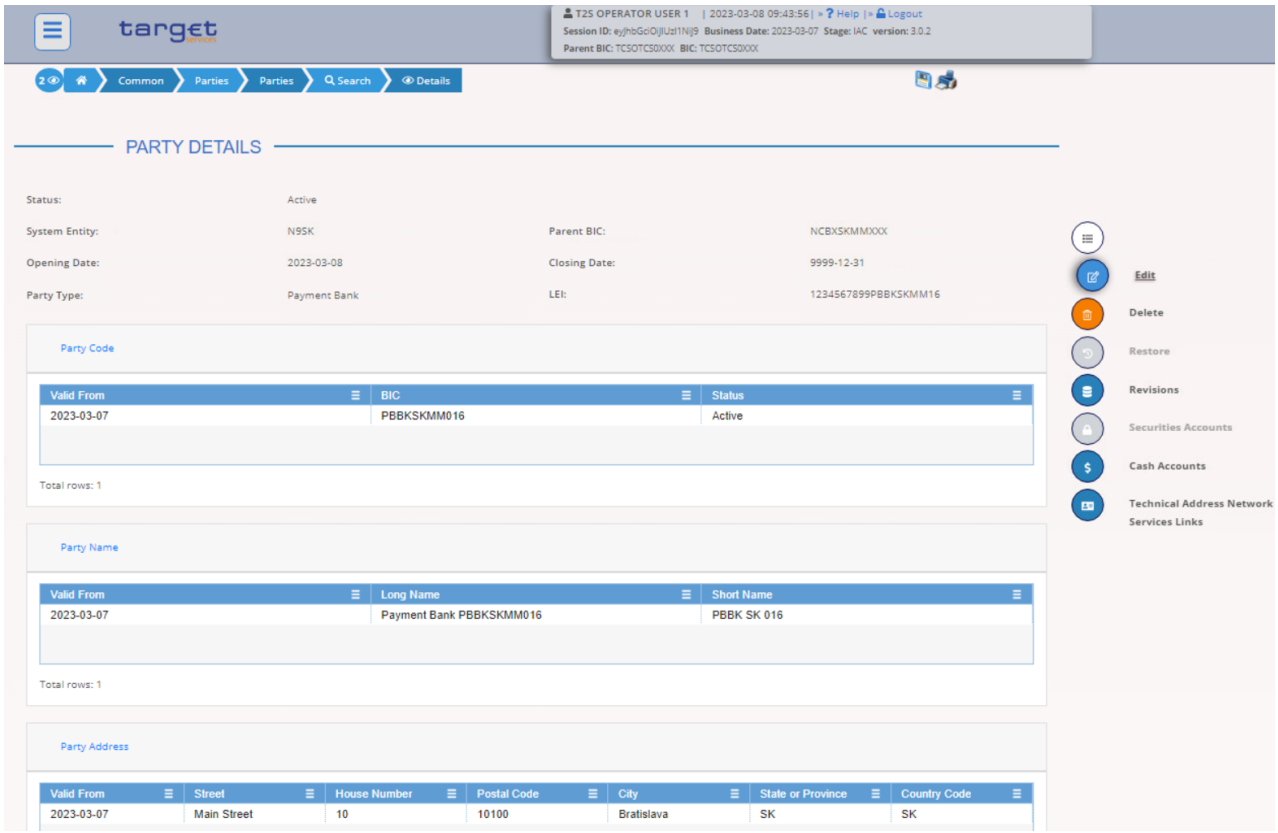

target
T2S OPERATOR USER 1 | 2023-03-08 09:28:35 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2023-03-07 Stage: IAC version: 3.0.2
Parent BIC: TCSOTCS0XXX BIC: TCSOTCS0XXX
2
Common
Parties
Parties
Search
New
PARTY NEW
System Entity:
N9SK
Parent BIC:
NCBXSKMMXXX
Party Type:
Payment Bank
Opening Date:
2023-03-08
Closing Date:
yyyy-mm-dd
LEI:
1234567899PBBKSKMM16
Submit
Reset
Cancel
Codes
BIC:
Max number of operation allowed reached
Valid From
BIC
Status
2023-03-07
PBBKSKMM016
Active
Total rows: 1
Names
Long Name:
Short Name:
Max number of operation allowed reached
Valid From
Long Name
Short Name
2023-03-07
Payment Bank PBBKSKMM016
PBBK SK 016
Total rows: 1
Addresses
Street:
House Number:
Postal Code:
City:
State or Province:
Country Code:
Max number of operation allowed reached
Valid From
Street
House Number
Postal Code
City
Country Code
2023-03-07
Main Street
10
10100
Bratislava
SK
Total rows: 1



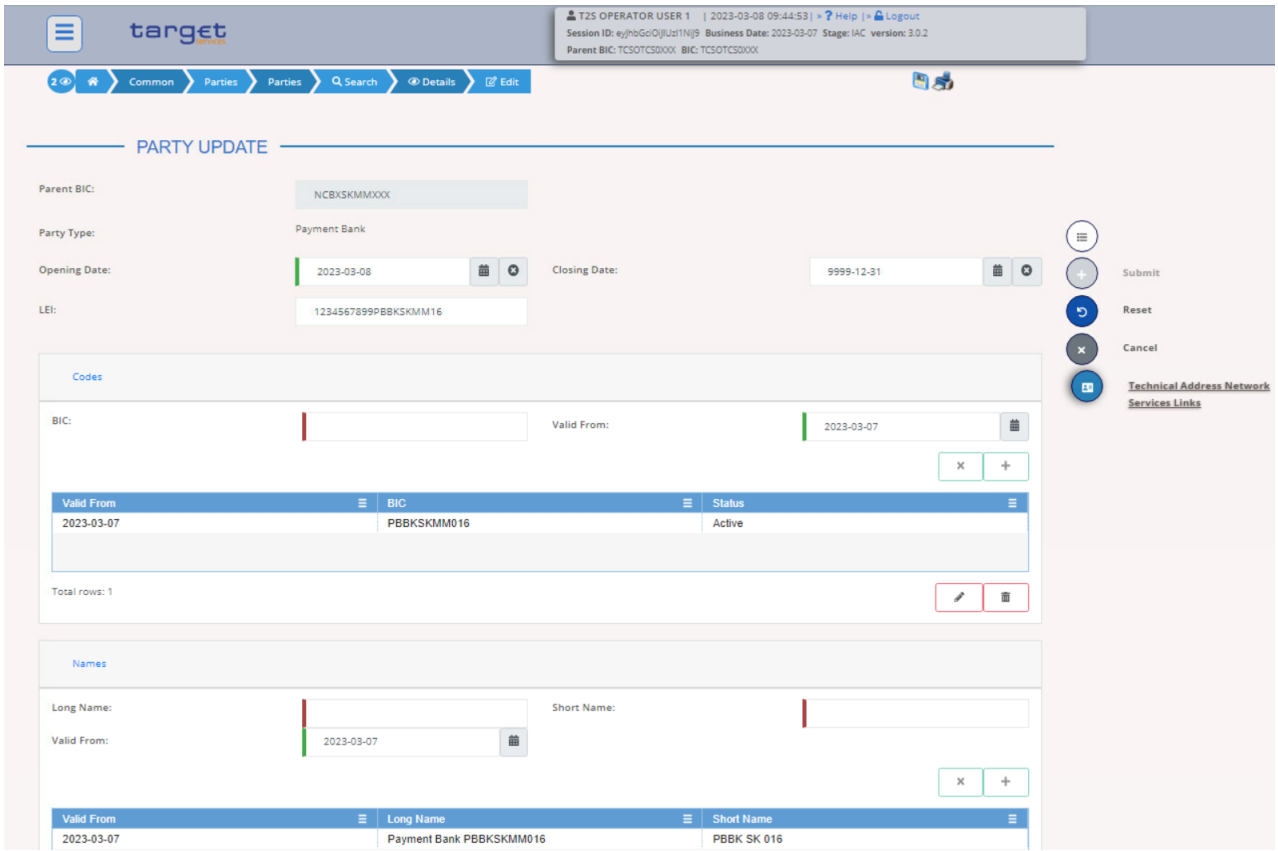
- Party NCBXSKMMXXX/PBBKSKMM016 has been successfully created.

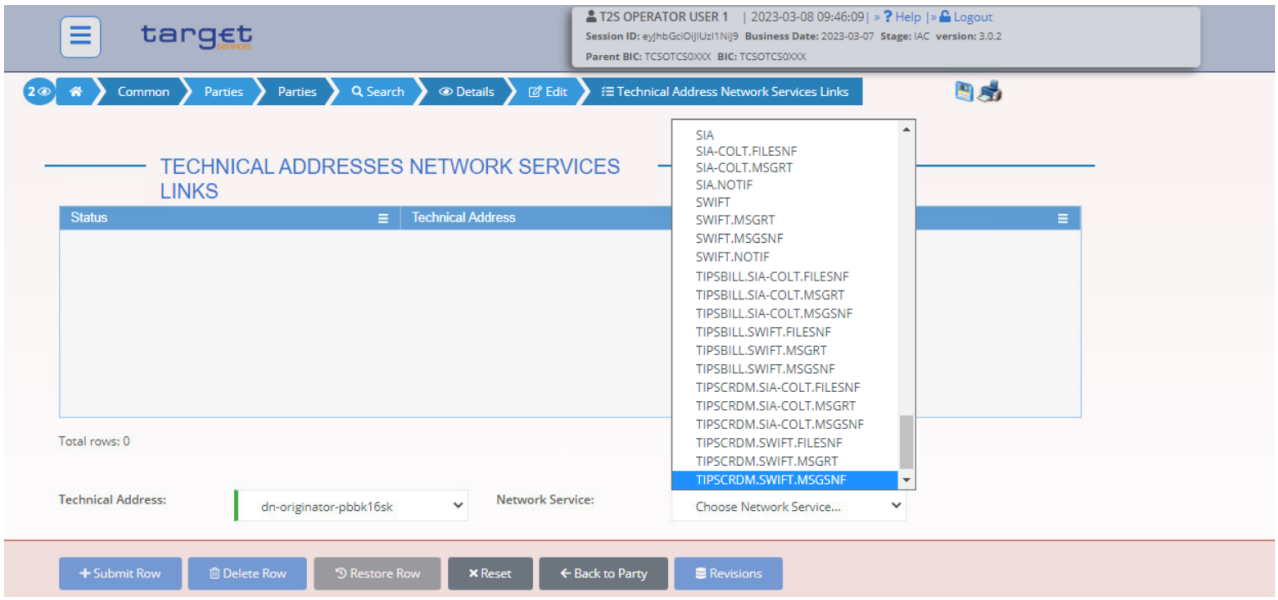


- Search the newly created party and then click on the ***Edit*** button.



- Click on the ***Technical Address Network Service Links*** button and choose the Technical Address and the Network Service from the drop down menu. Then click on the ***Submit row*** button.



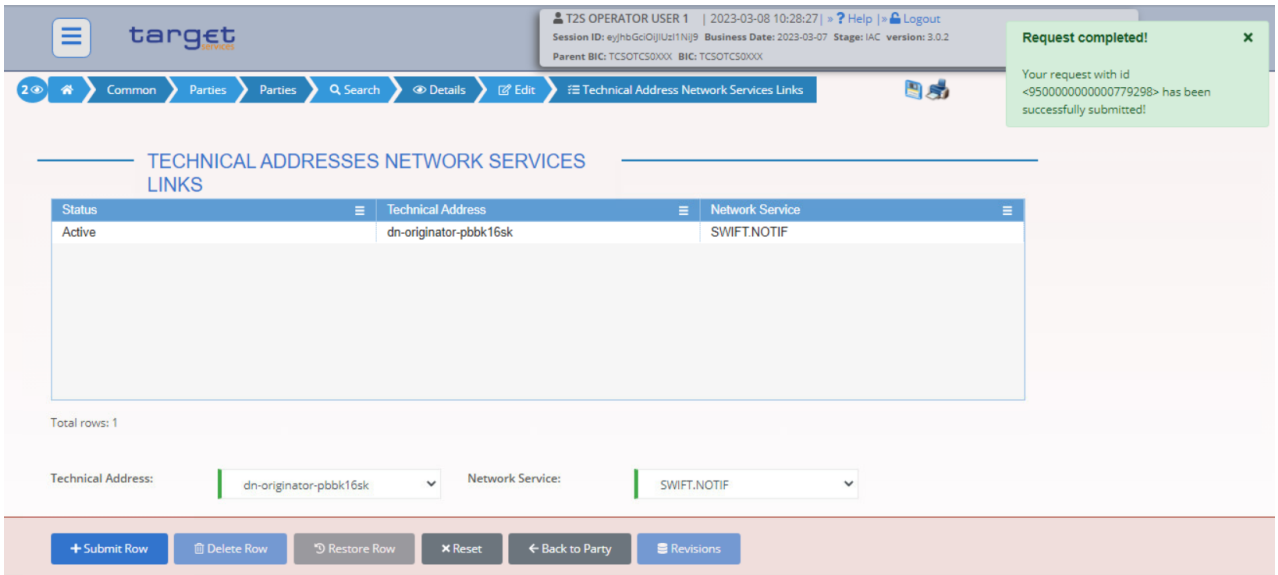


- The first TANSL has been successfully created.

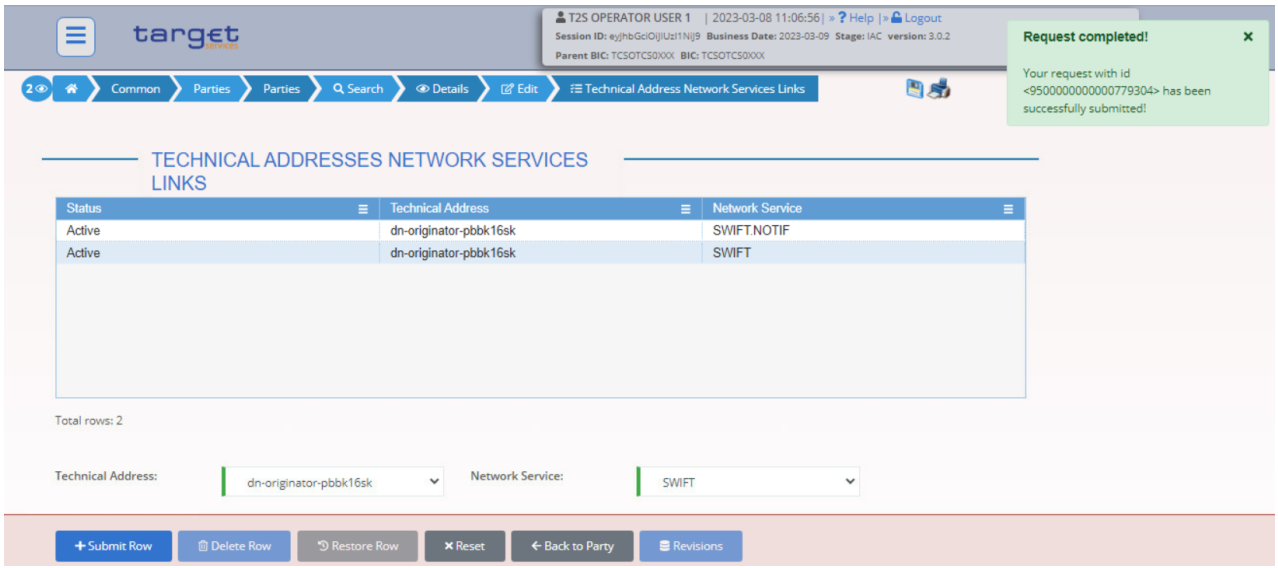
- **Please note that if the Network Service used by that Party is SWIFT or SIA, the correct technical Network Service name to select for the configuration of reports and notifications will be "SWIFT.NOTIF" or "SIA.NOTIF" respectively**.

- **A Party cannot have more than one TANSL to a "*.NOTIF" Network Service**

- If the "*.NOTIF" Network Service is used also for sending Instant Payments and Liquidity Transfers no other Network Service is needed.



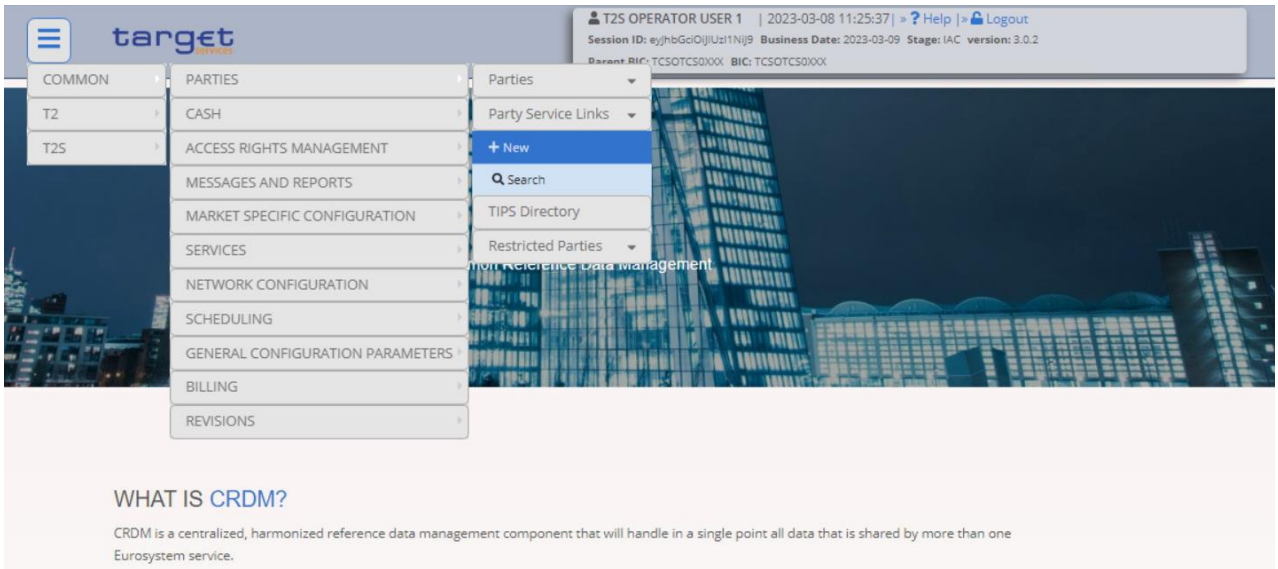
- The two TANSL are now in place.

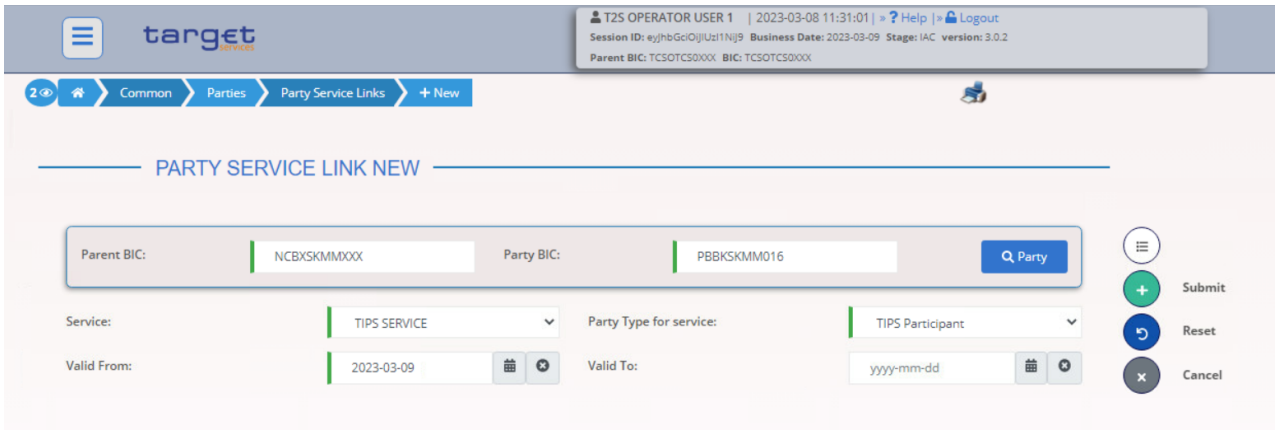


1.1.2 Define the Party as a TIPS Participant, Reachable party or Ancillary System

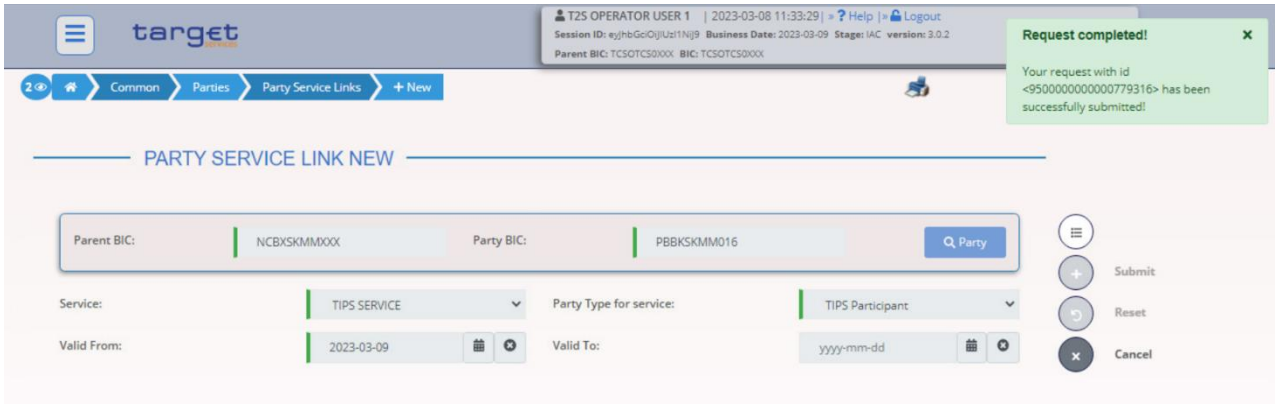
For TIPS Participant:

- Go to the *Common / Parties / Party Service Links / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Parties / Party Service Links / Search* screen and click on the ***New*** button. Then create the Party Service link for party NCBXSKMMXXX/PBBKSKMM016. Please note that the *Valid from* of the link cannot be earlier than the *Valid from* of the relating party. Similarly, the *Valid to* cannot be later than the *Valid to* of the corresponding party.



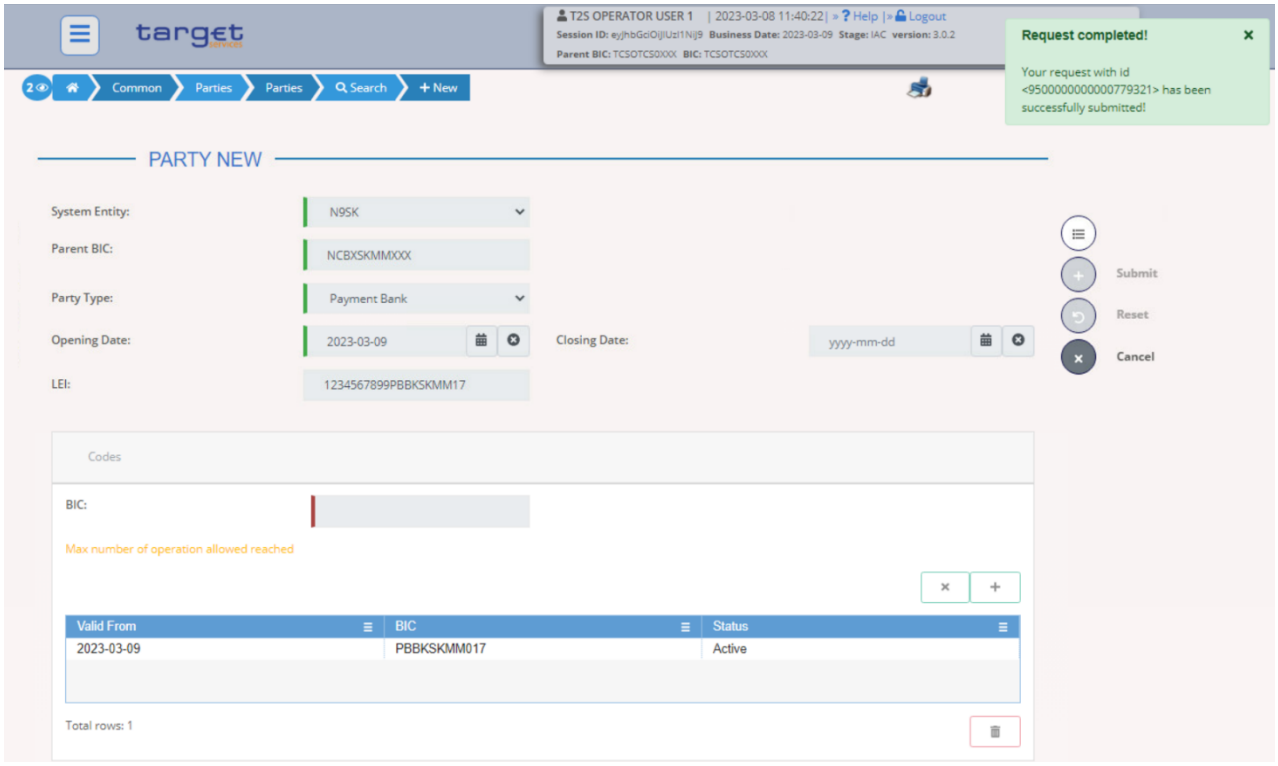


- The Party service link has been created.

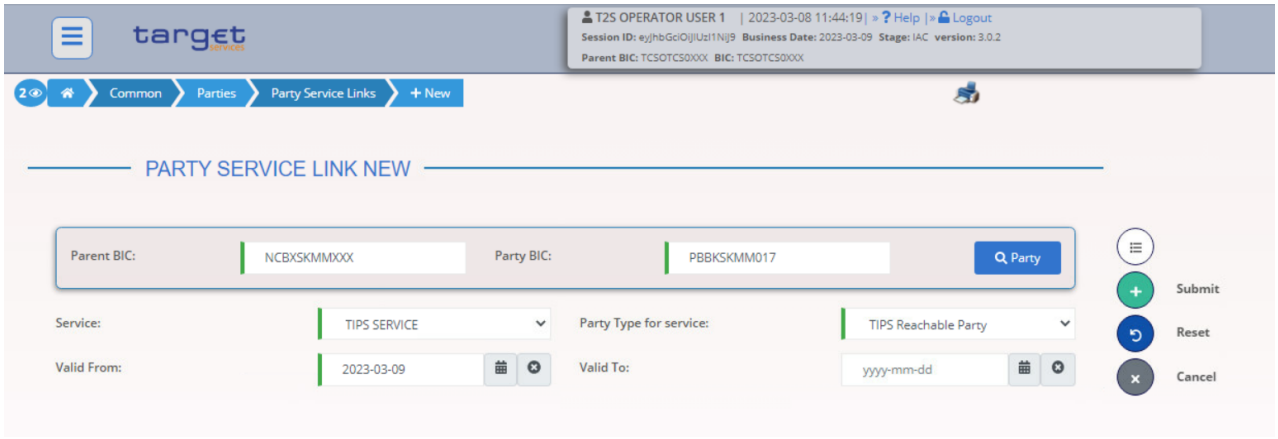


For Reachable Parties:

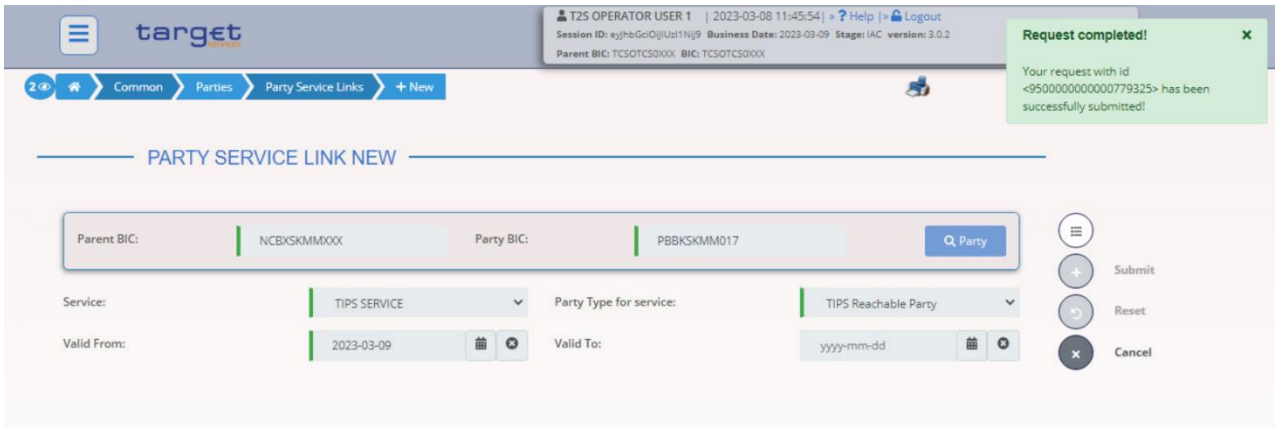
- Party NCBXSKMMXXX/PBBKSKMM017 has been created



- Go to the *Common / Parties / Party Service Links / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Parties / Party Service Links / Search* screen and click on the ***New*** button. Insert the data as shown in the screenshot below (Party type is TIPS Reachable Party) and click on the ***Submit*** button.

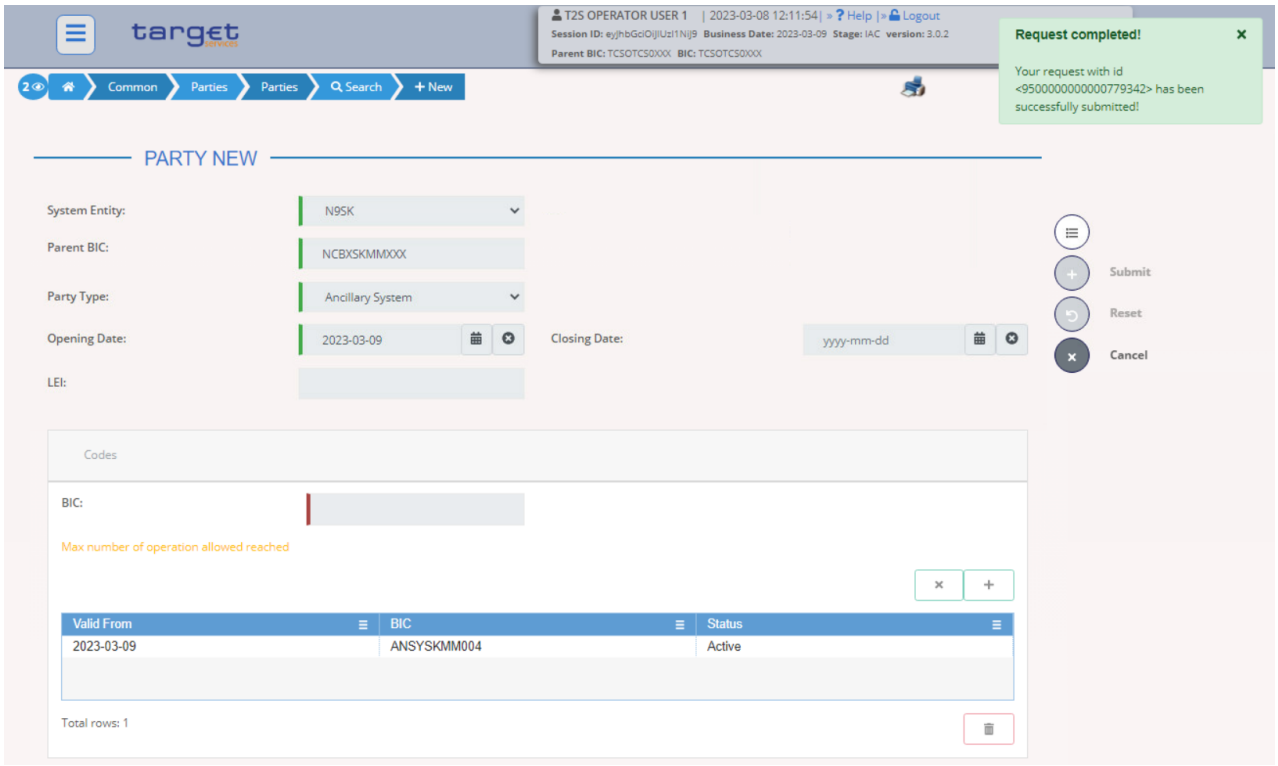


- The Party service Links has been created. NCBXSKMMXXX/PBBKSKMM017 has been established as a Reachable Party, **therefore it cannot hold TIPS Accounts.**

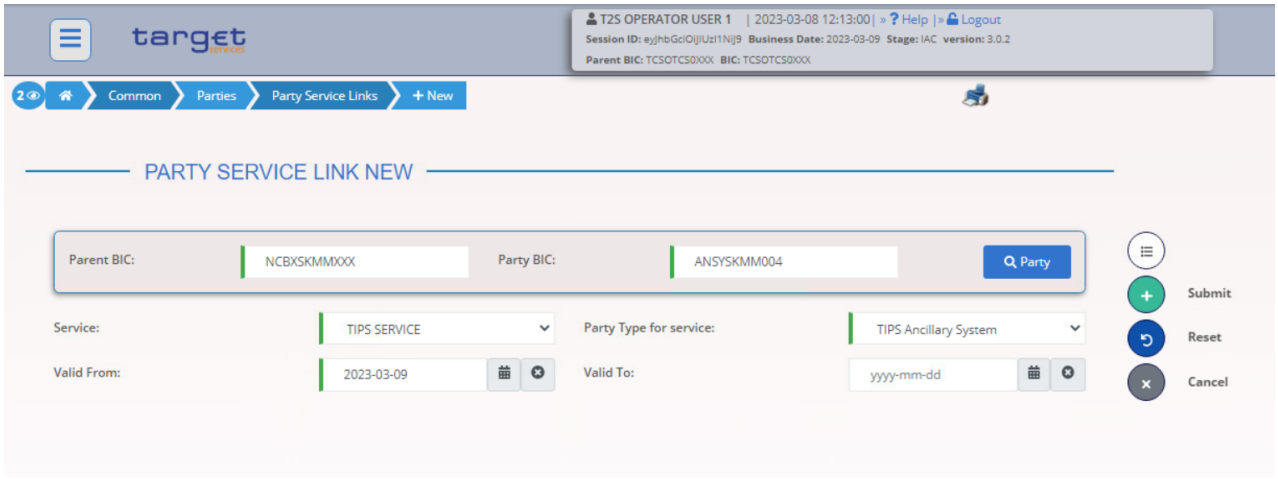


For Ancillary System Parties:

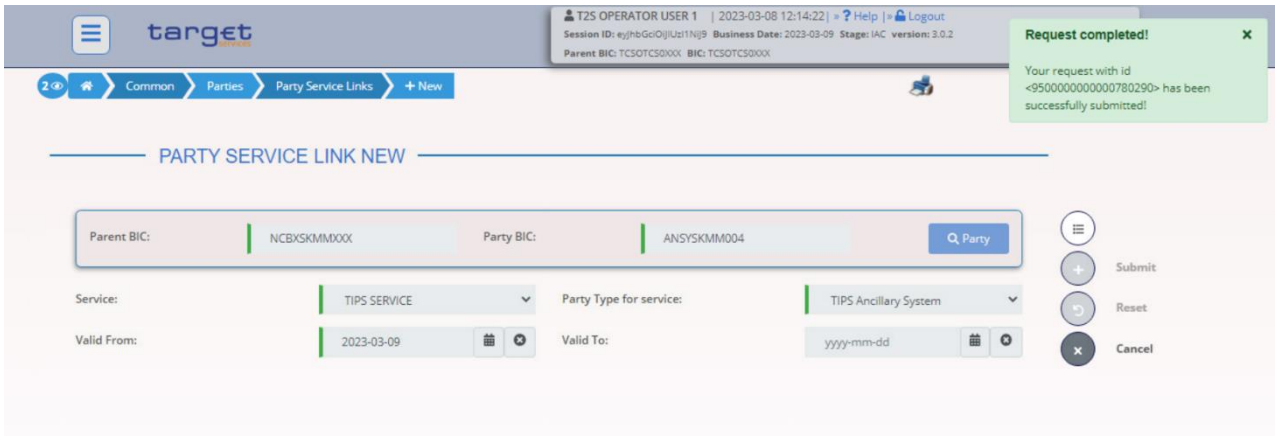
- Party NCBXSKMMXXX/ANSYSKMM004 has been created



- Go to the *Common / Parties / Party Service Links / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Parties / Party Service Links / Search* screen and click on the ***New*** button. Insert the data as shown in the screenshot below (Party type is TIPS Ancillary System) and click on the ***Submit*** button.

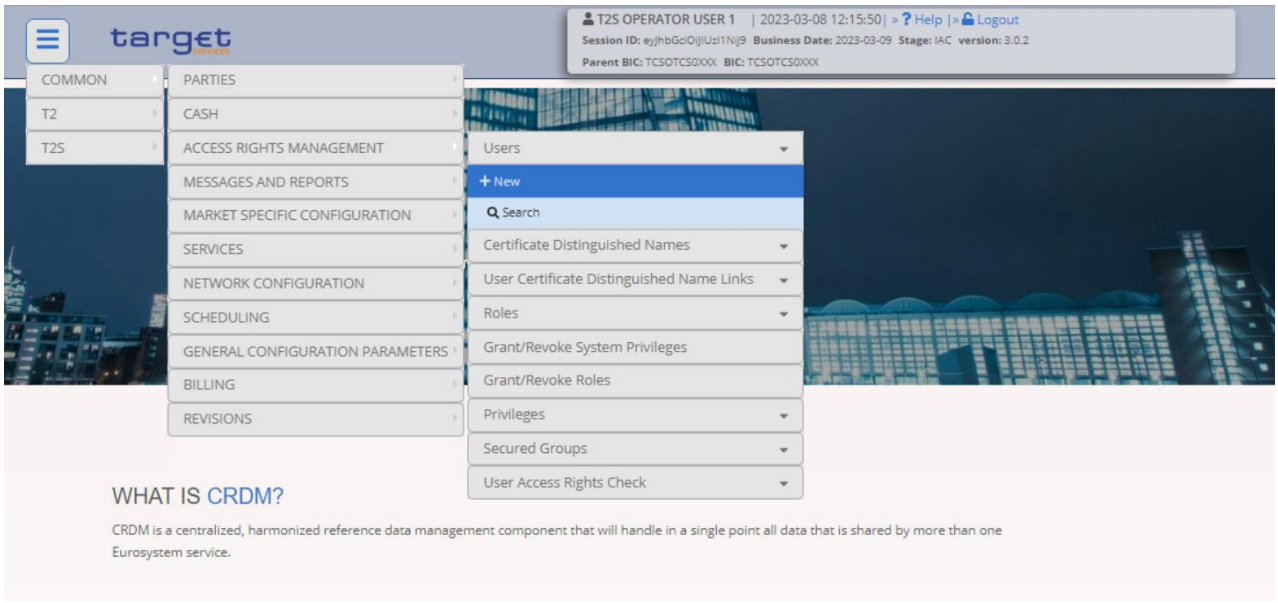


- The Party service Links has been created. NCBXSKMMXXX/ANSYSKMM004 has been established as an Ancillary System, **therefore it can only hold TIPS Ancillary System Technical Account (ASTA).**

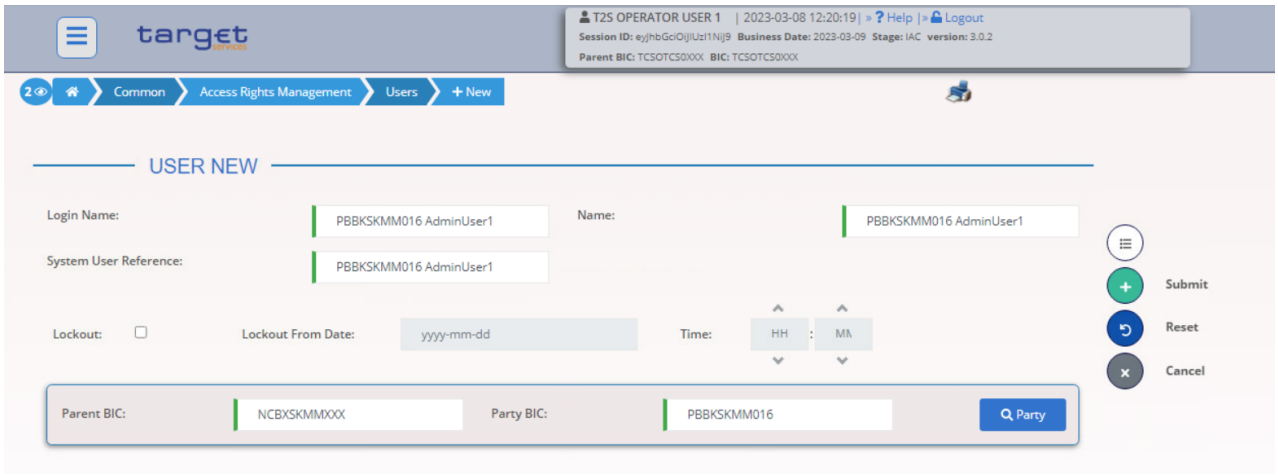


1.1.3 Create an Administrator user for the TIPS Actor

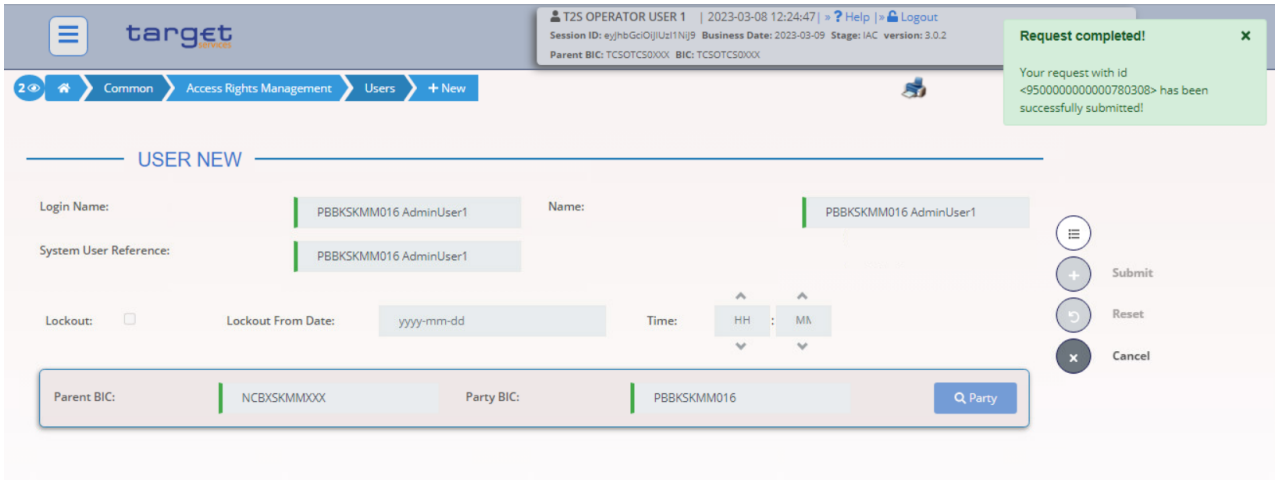
- Go to the *Common / Access Rights Management / Users / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Access Rights Management / Users / Search* screen and click on the ***New*** button.



- Then insert the data as shown in the screenshot below.

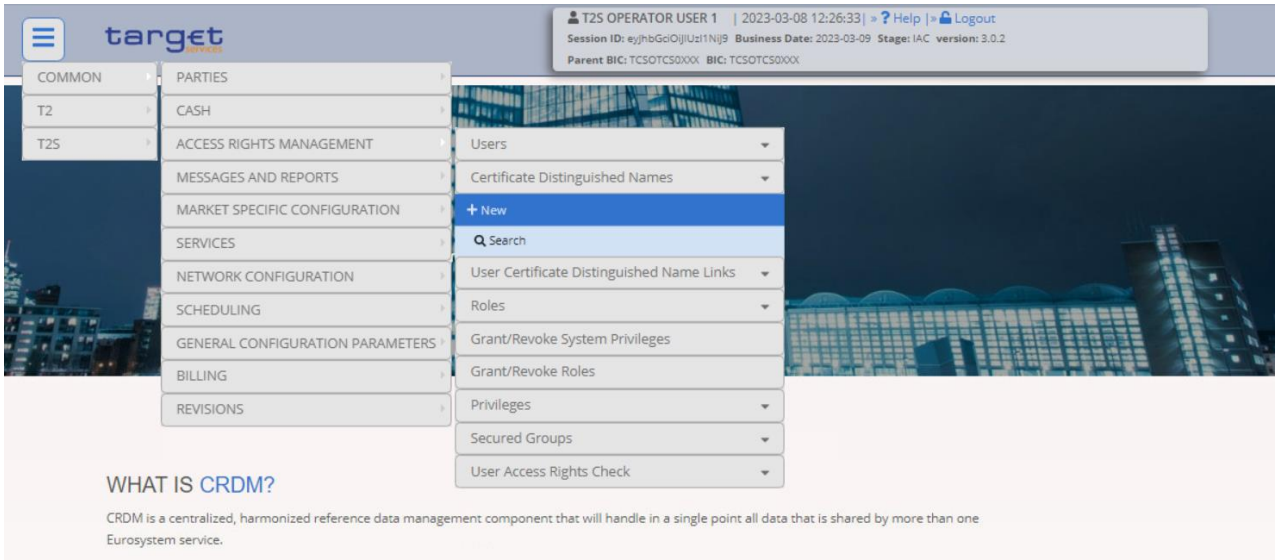


- The User has been created

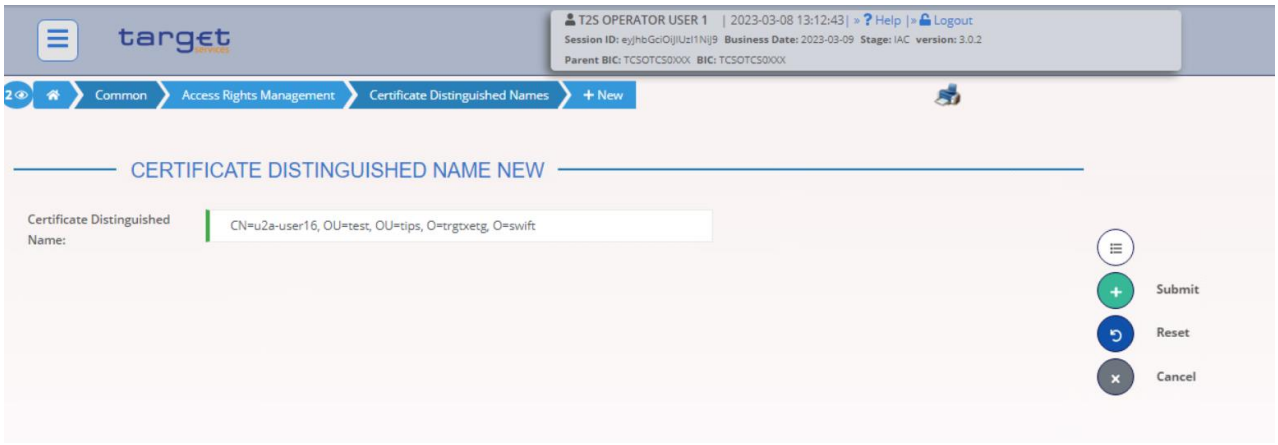


1.1.4 Create a new Certificate Distinguished Name

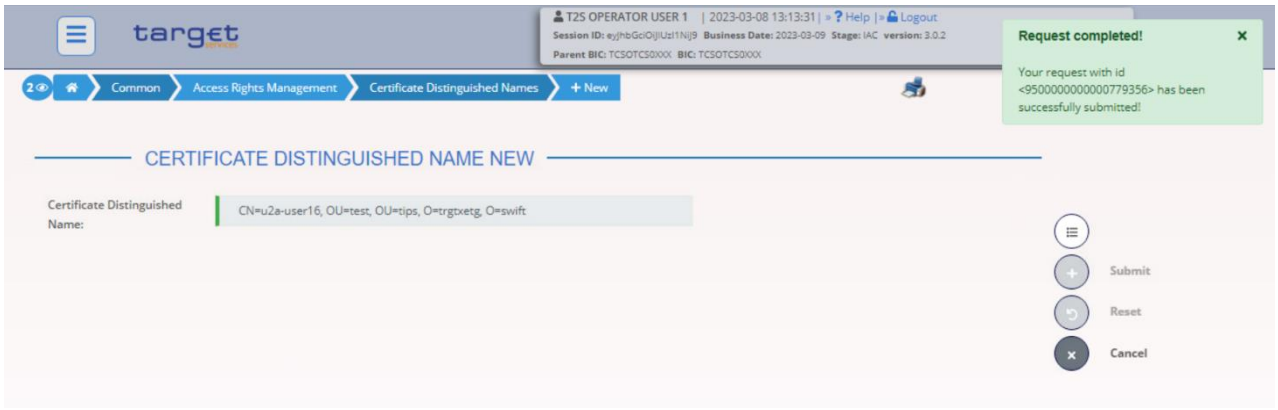
- Go to the *Common / Access Rights Management / Certificate Distinguished Names / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Access Rights Management / Certificate Distinguished Names / Search* screen and click on the ***New*** button.



- Insert the Certificate Distinguished Name data and click on the ***Submit*** button.



- The Certificate Distinguished Name has been created

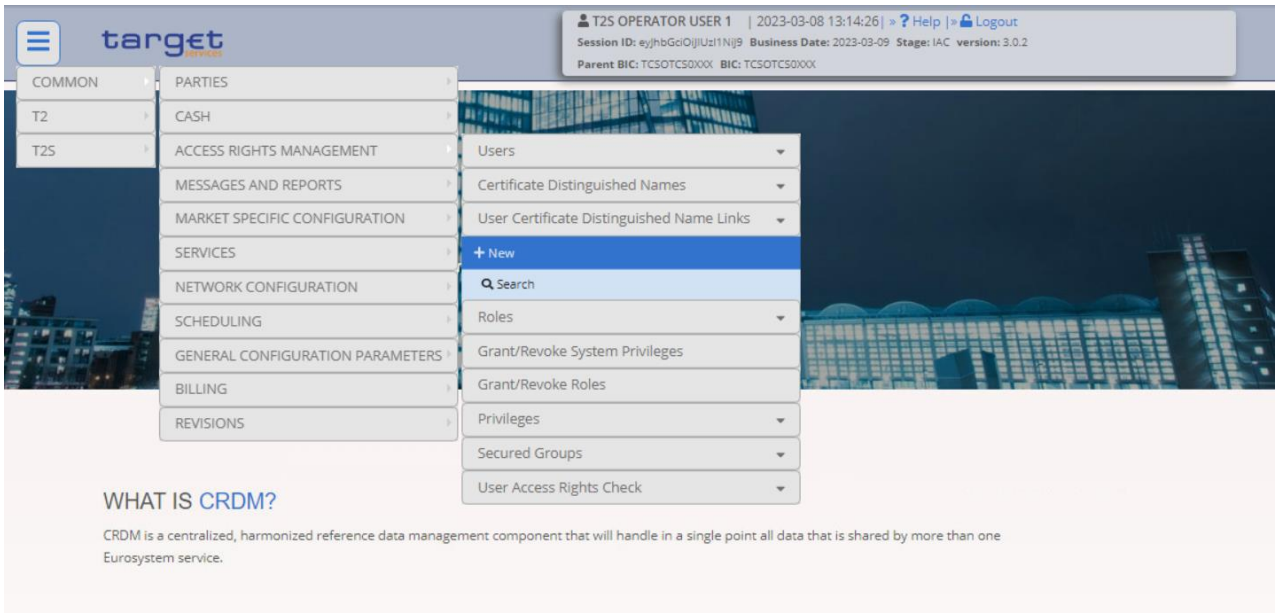


It is worth noting that if the DN is meant for a U2A user, it shall be captured with upper-case qualifiers and with one space after each comma. If it is meant for an A2A user, it shall be captured with lower-case qualifiers and without any spaces. For example:

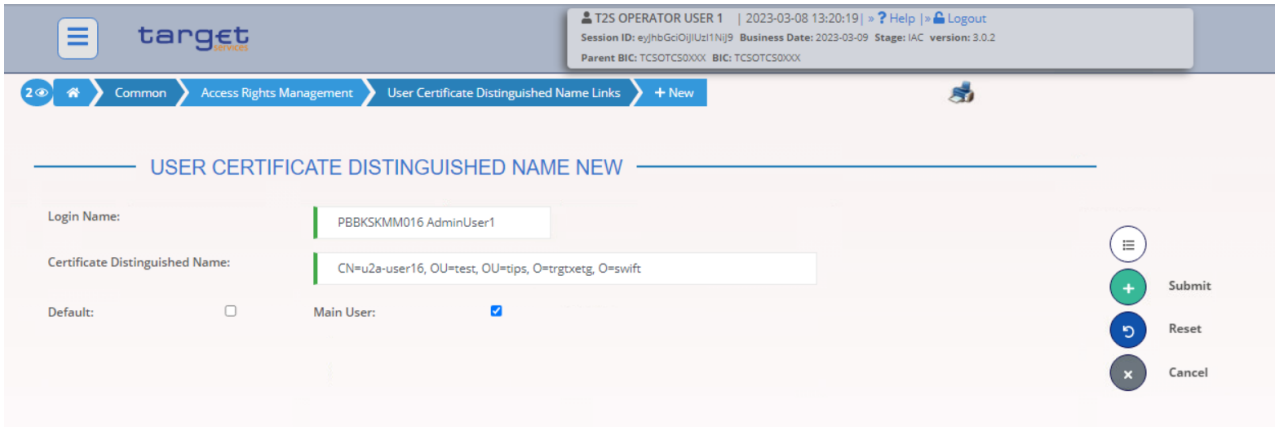
- U2A user: CN=example, OU=sampledn, O=swift
- A2A user: cn=example,ou=sampledn,o=swift

1.1.5 Create a User-Certificate Distinguished Name Link for the new User

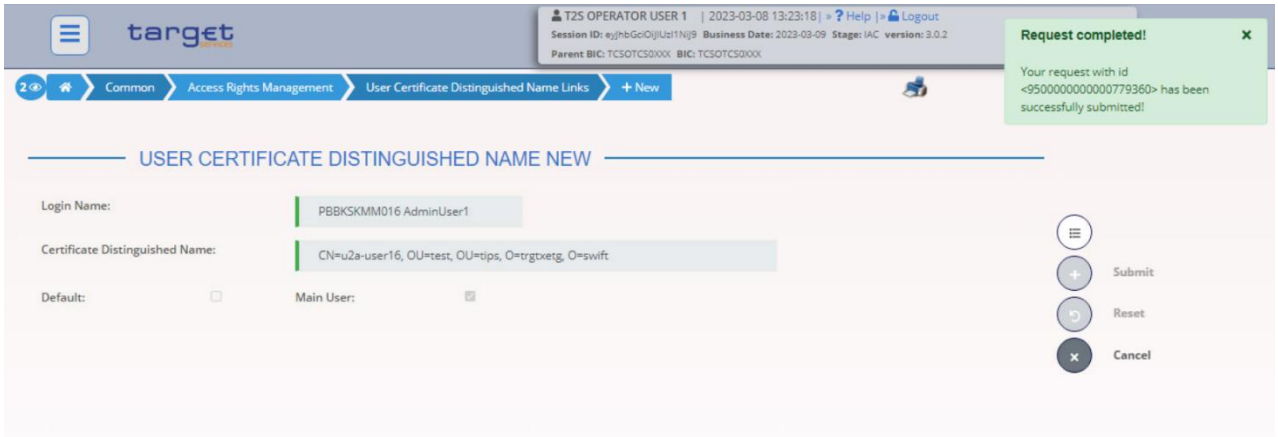
- Go to the *Common / Access Rights Management / User Certificate Distinguished Name Links / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Access Rights Management / User Certificate Distinguished Name Links / Search* screen and click on the ***New*** button.



- Then insert the Login name of the User and the Certificate Distinguished Name you have created, then click on the ***Submit*** button[3].
- **If the DN is not configured with Main User flag ticked to yes, the user won't be able to see TIPS GUI menu**



- The link between the User and the Certificate Distinguished Name has been created



[3] DNs can be linked, via User-Certificate DN Links with Main User flag set to TRUE, to multiple Users. These Users can belong to different Payment Bank parties, but there can be only one User for each Payment Bank that is the Main User for a specific DN.

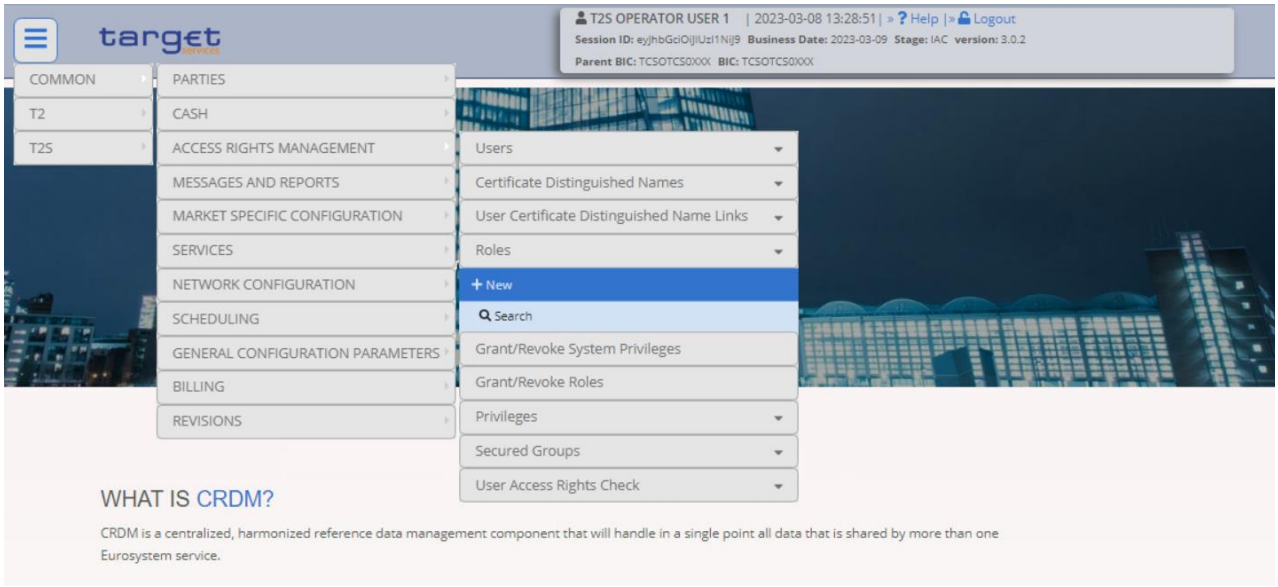
1.1.6 Create Roles for the TIPS Actor

The TIPS Operator has already granted to the Central Bank Party all the needed privileges through the agreed predefined roles for CBs (see Annex I).

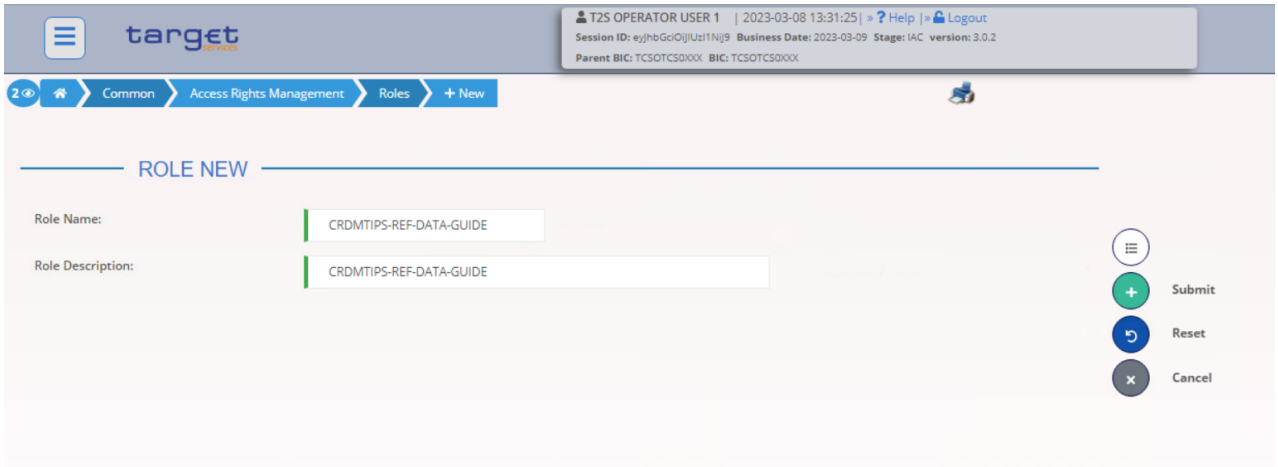
The Central bank must create the TIPS roles as laid out in the List of Roles and Privileges for CBs and Account holders. Central Banks should not grant single privileges to any users but rather always create and grant the MTRSG-defined TIPS roles.

To create the predefined roles for a TIPS Actor execute the following steps:

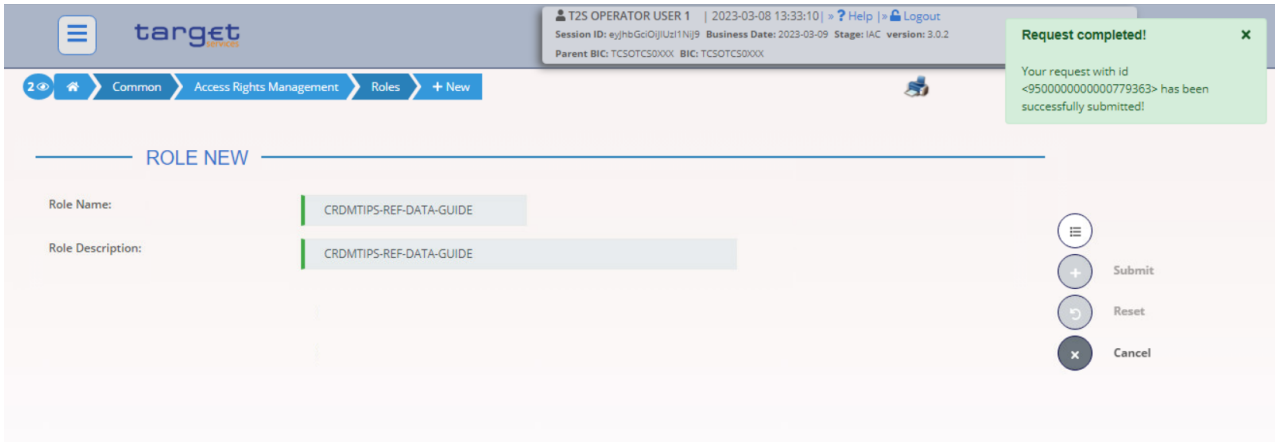
- go to the *Common / Access Rights Management / Roles / New* screen and click on the ***New*** option. As an alternative path, go to the *Common / Access Rights Management / Roles / Search* screen and click on the ***New*** button.



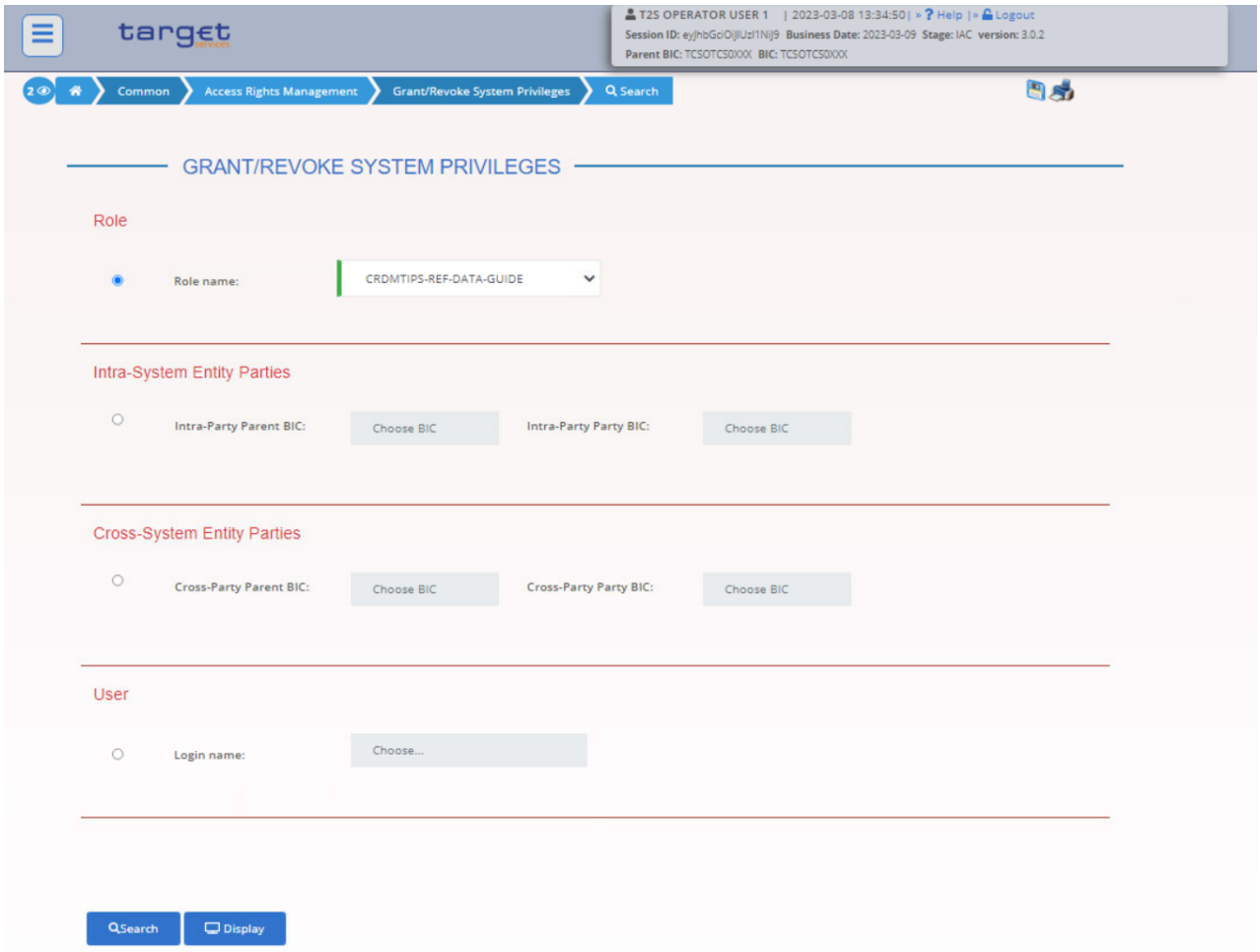
- Assign a Name and a Description to the Role and click on the ***Submit*** button



- The Role CRDMTIPS-REF-DATA-GUIDE[4] has been successfully created

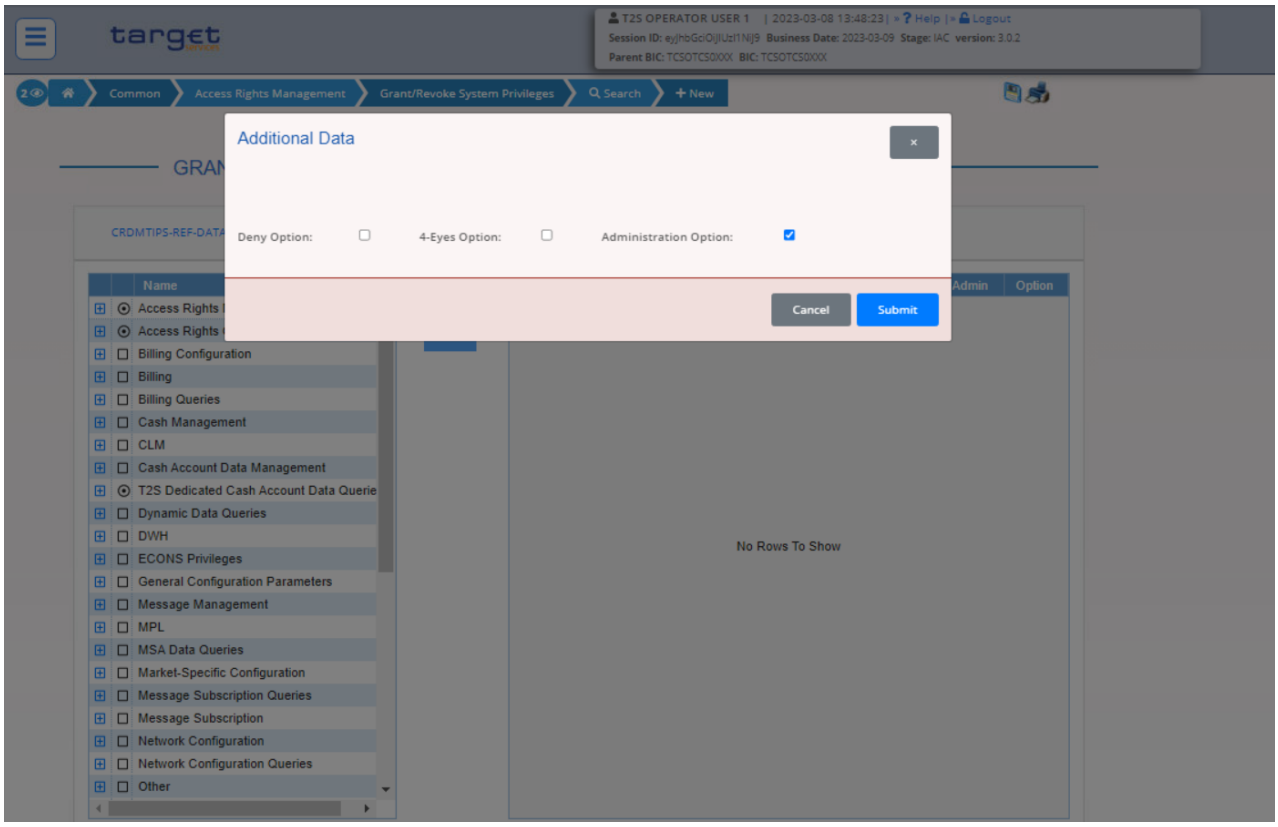


- Go to the *Common / Access Rights Management / Grant/Revoke System Privileges / Search* screen, select the *Role name* radio button, choose the newly created role from the drop down menu and click on the ***Search*** button

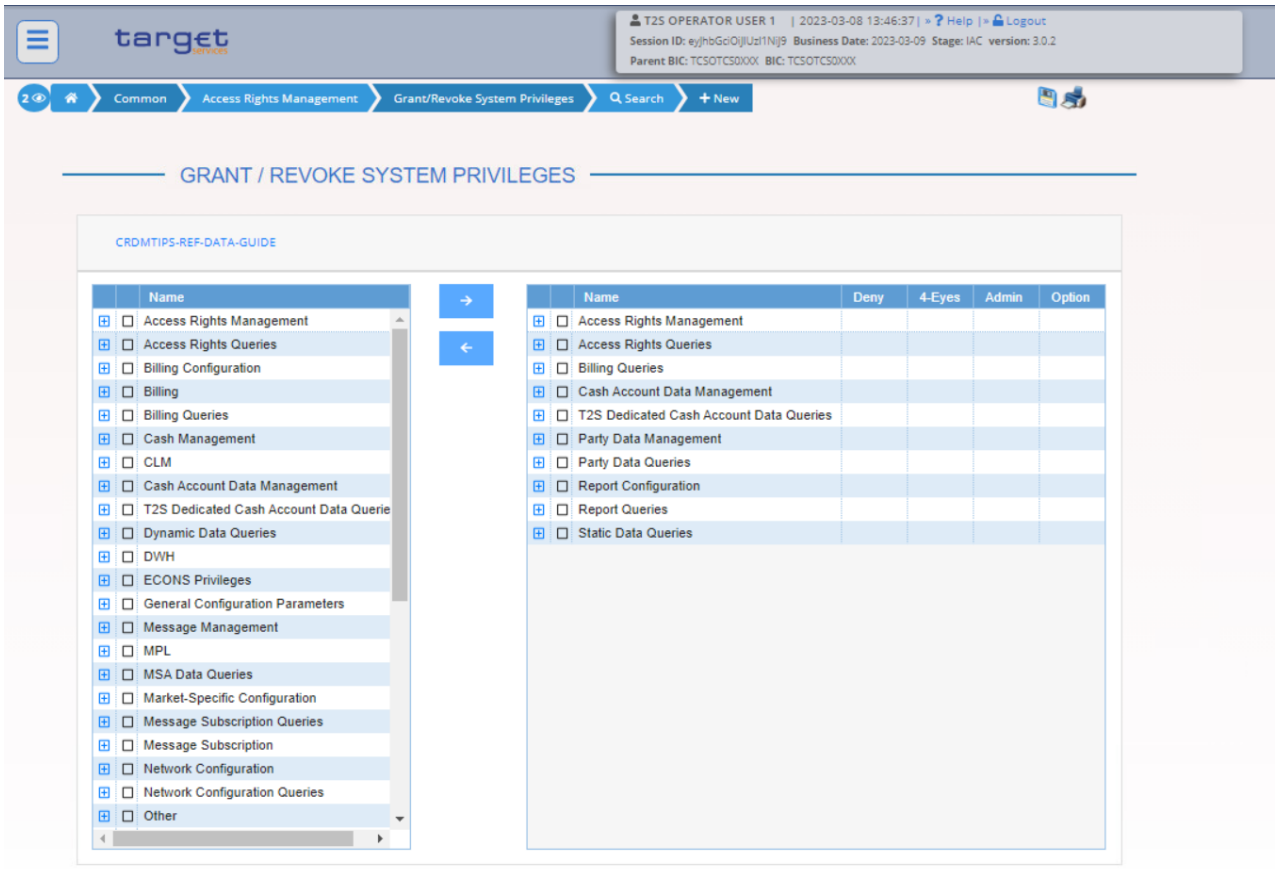


- Select from the left part of the screen the Privileges you want to grant to the role and decide whether to grant them in Administrator mode, 4-eyes mode or to Deny them, then click on the ***Submit*** button. The privileges will be granted.

[4] This is just a fake role name to show as an example

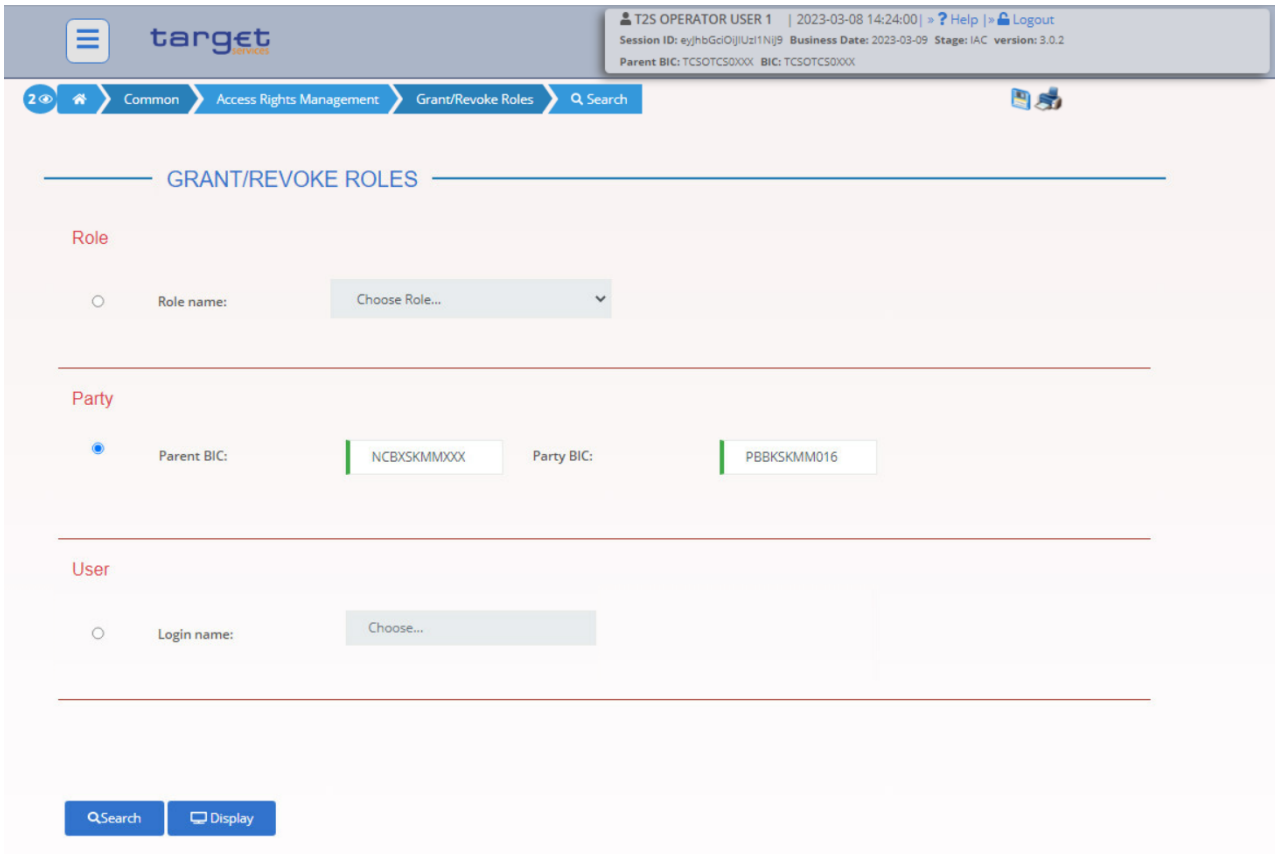

target
T2S OPERATOR USER 1 | 2023-03-08 13:48:23 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2023-03-09 Stage: IAC version: 3.0.2
Parent BIC: TCSOTCS0XXX BIC: TCSOTCS0XXX
Common
Access Rights Management
Grant/Revoke System Privileges
Search
New
Additional Data
Deny Option:
4-Eyes Option:
Administration Option:
Cancel
Submit
CRDMTIPS-REF-DATA
Name
Admin
Option
Access Rights
Billing Configuration
Billing
Billing Queries
Cash Management
CLM
Cash Account Data Management
T2S Dedicated Cash Account Data Querie
Dynamic Data Queries
DWH
ECONS Privileges
General Configuration Parameters
Message Management
MPL
MSA Data Queries
Market-Specific Configuration
Message Subscription Queries
Message Subscription
Network Configuration
Network Configuration Queries
Other
No Rows To Show

Results
Done!
Requests Successfully Processed: 68
Requests in Error: 0
Requests Timed out: 0
OK

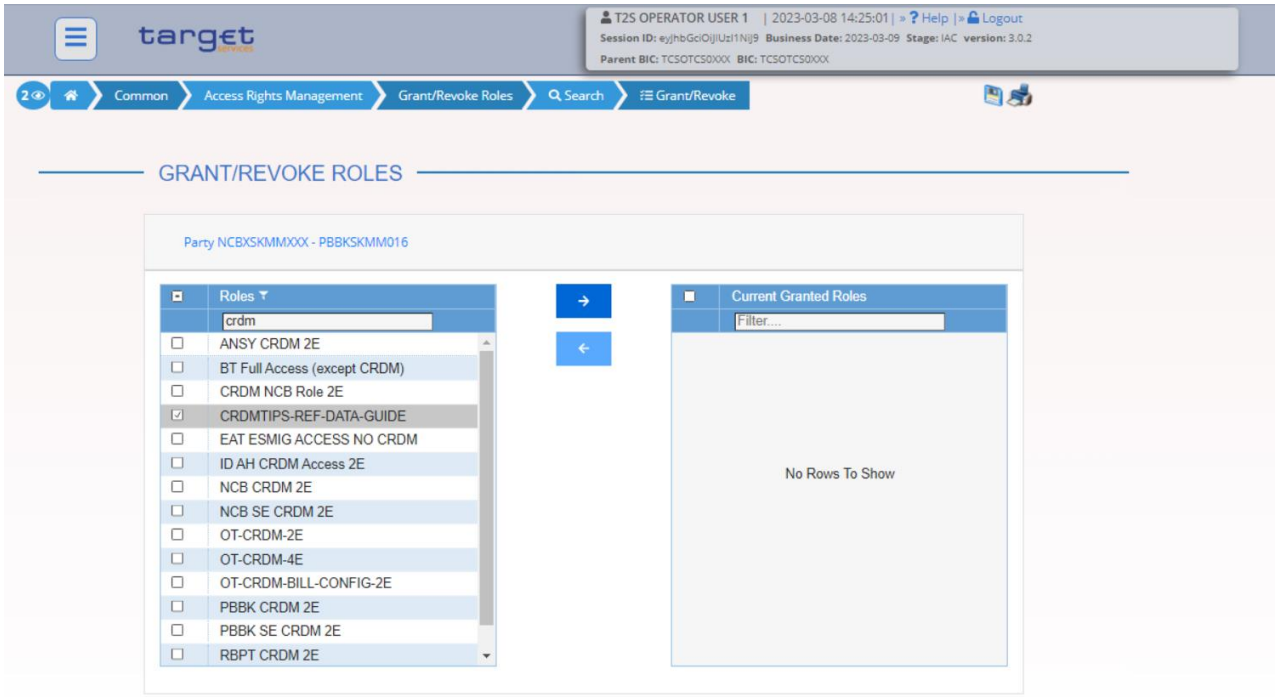


1.1.7 Grant privileges (through Roles) to the TIPS Actor Party

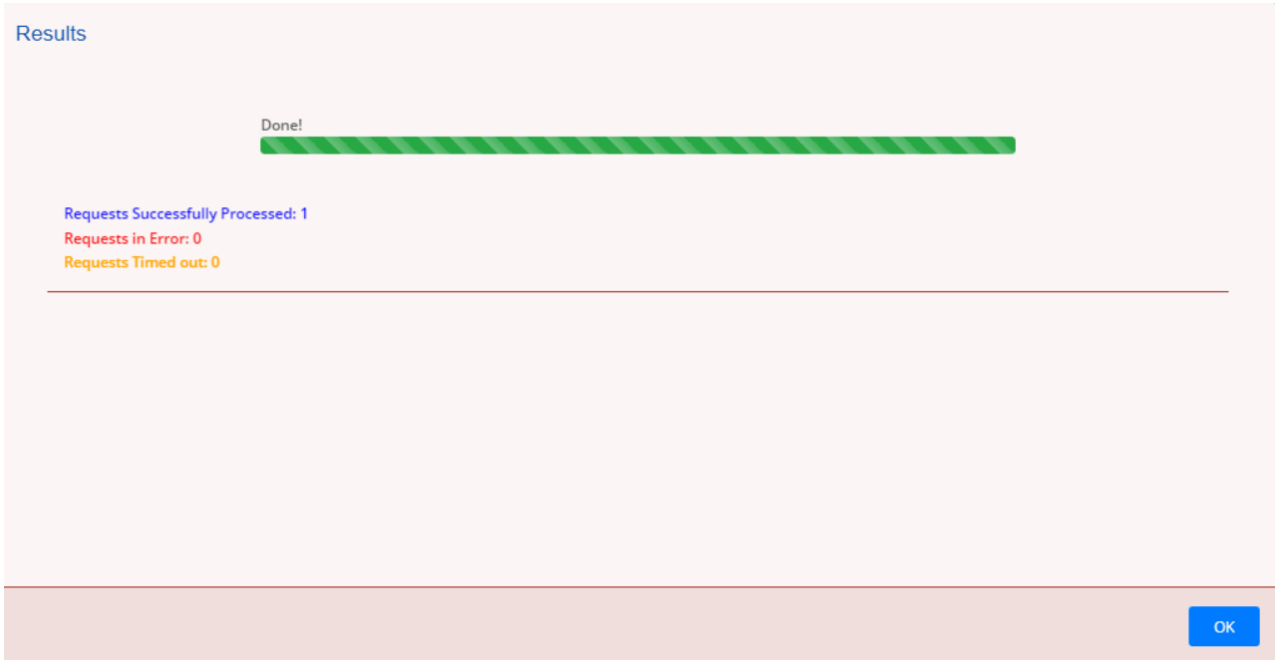
- Go to the *Common / Access Rights Management / Grant/Revoke Roles / Search* screen and select the Parent and Party BIC of the TIPS Actor.
- Then click on the ***Search*** button.

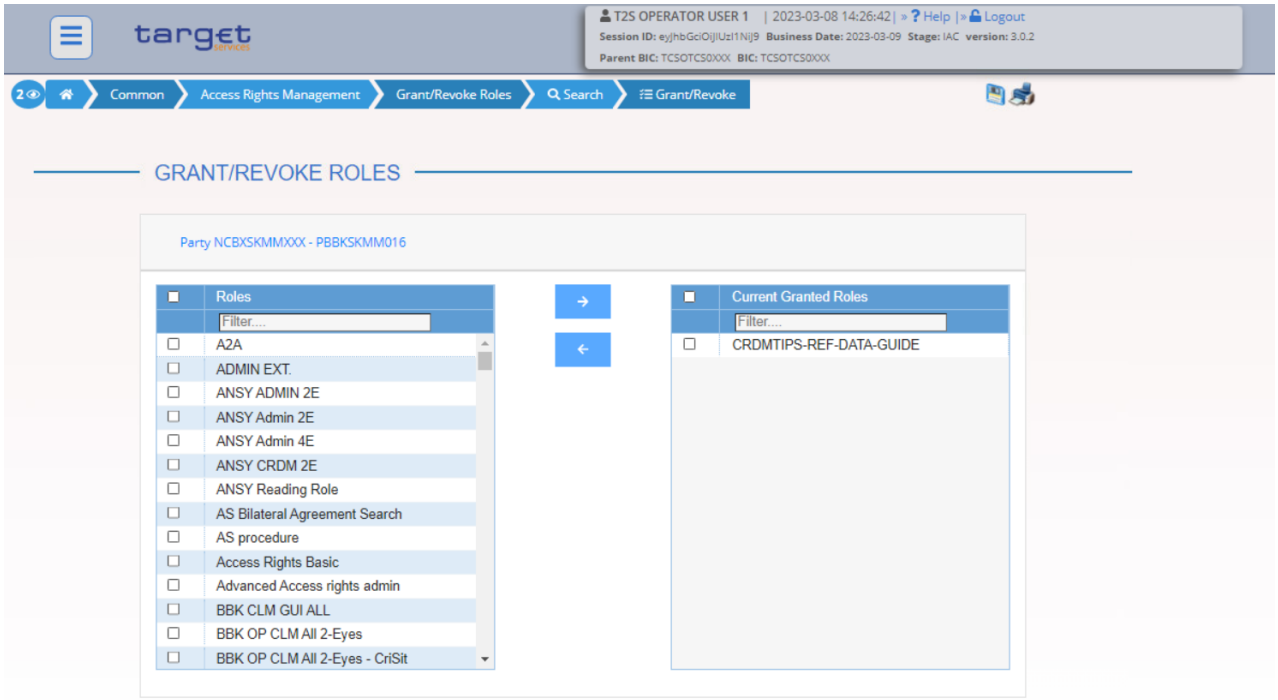


- Select the Role (or the set of Roles) that you want to grant to the TIPS Actor then click on the upper arrow.



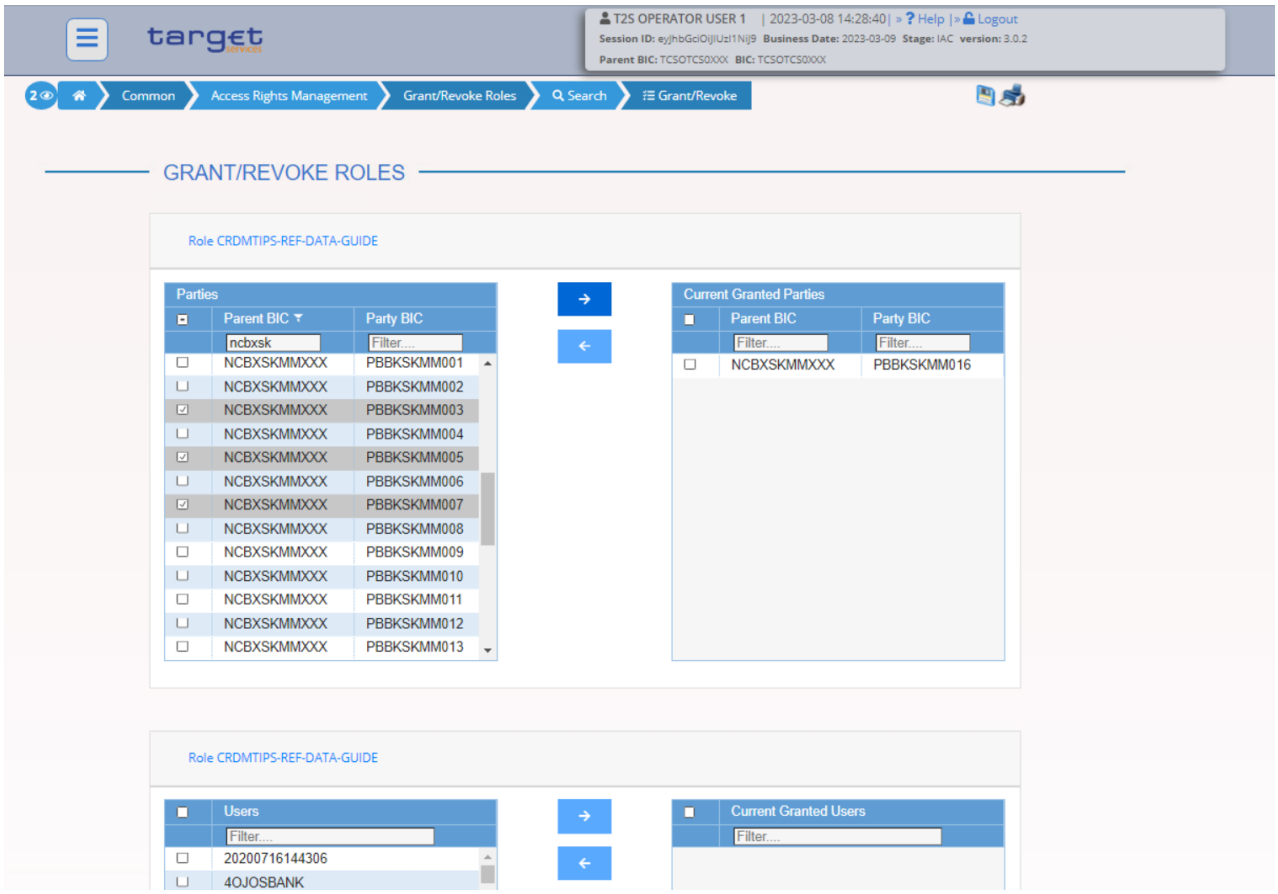
- The Role has been granted to the selected TIPS Actor Party



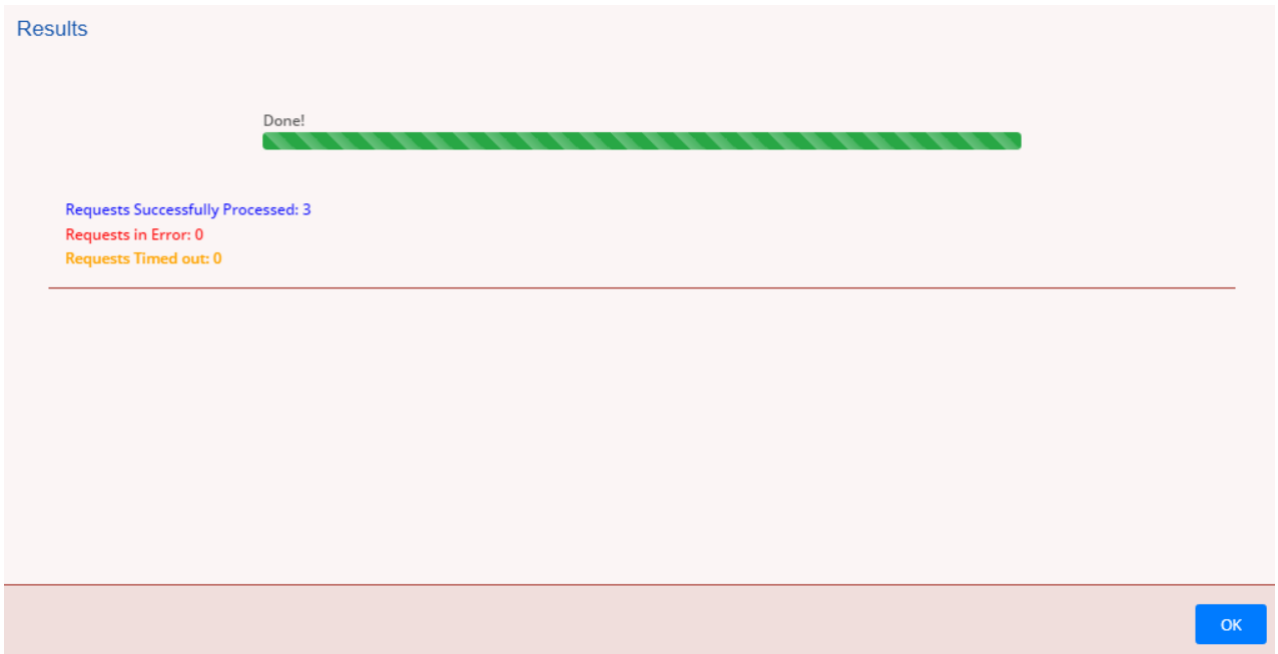


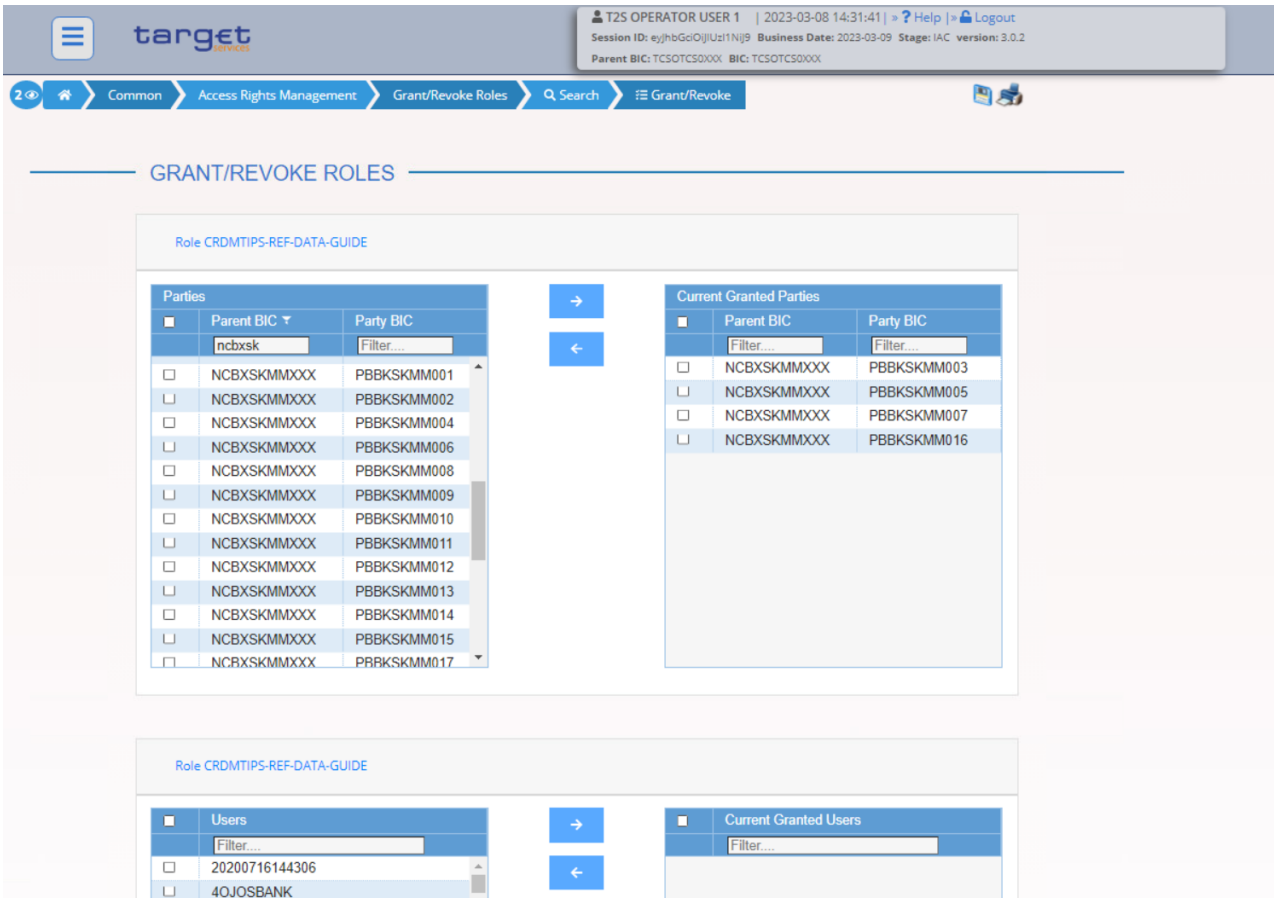
Alternatively, to grant the same Role to more Parties at the same time:

- Go to the Common / Access Rights Management / Grant/Revoke Roles / Search screen and select the Role to be granted. Then click on the ***Search*** button
- Select one or multiple TIPS Actor Parties on the left side of the screen, then click on the *right arrow*.



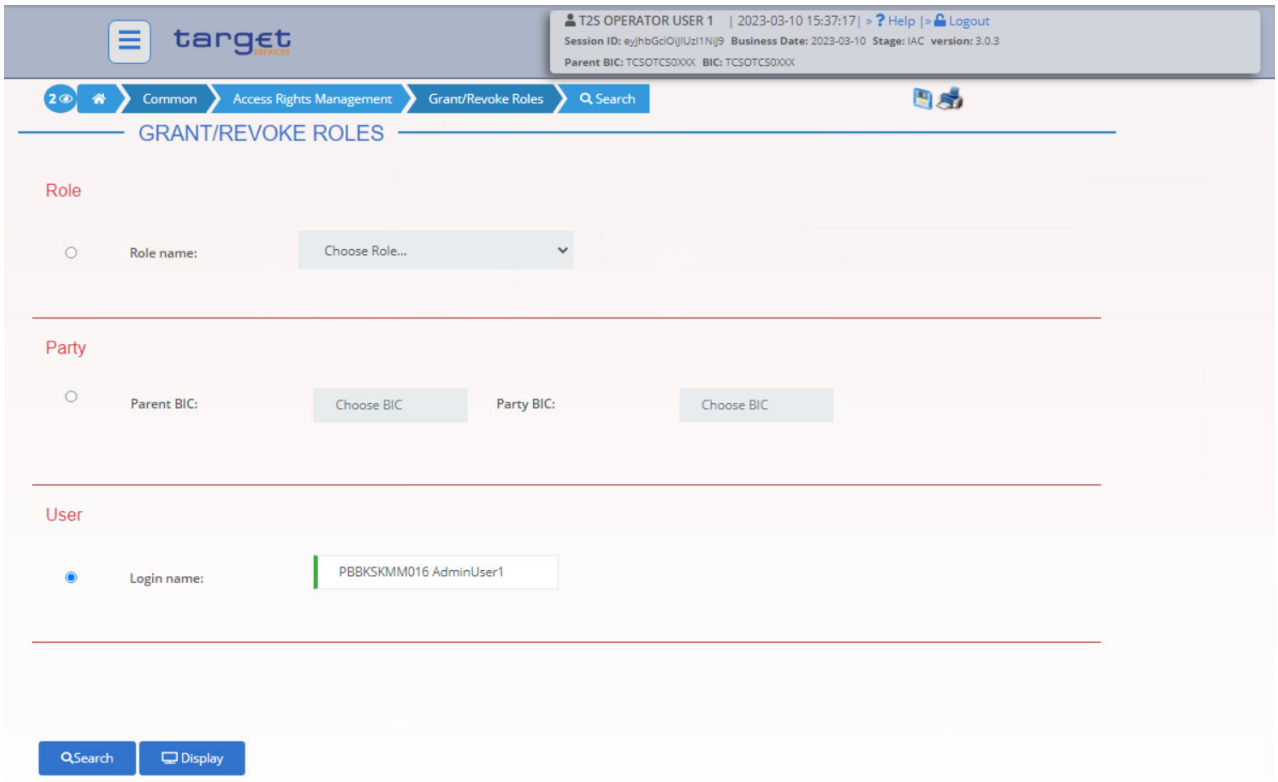
- The Role is granted to all the selected TIPS Actor Parties





1.1.8 Grant the Administrator user with Administrative privileges (by means of the relevant Role)

- Go to the Common / Access Rights Management / Grant/Revoke Roles / Search screen and select the user from the menu as shown in the screenshot below. Then click on the ***Search*** button.



- Select the *Party Administrator* and the *CRDM-Access* roles and grant them to the Administrator User

- Please note that **only** the following 7 privileges can be granted by a CB user to a TIPS Actor user via roles: ARM_AdministerParty, ARM_GrantPrivilege, ARM_GrantRole, ARQ_GrantedSysPrivilegesListQuery, ARQ_GrantObjectPrivilegesListQuery, ARQ_GrantedRolesListQuery, CRDM_Access[5]

  Alternatively, to grant the same Roles to more Administrator Users at the same time:

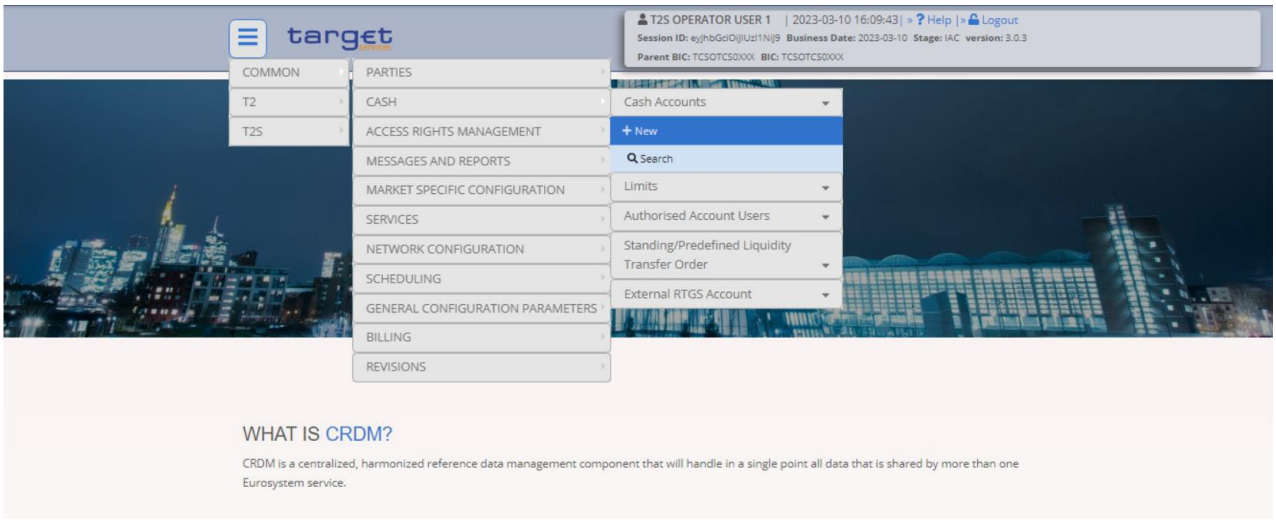
  The following actions need to be done for both the (i) *Party Administrator* and the (ii) *CRDM-Access* roles:
  - Go to the Common / Access Rights Management / Grant/Revoke Roles / Search screen and select the Role to be granted. Then click on the ***Search*** button
  - Select one or multiple Administrator Users on the left side of the screen, then click on the ***right arrow***.
  - The Role is granted to all the selected Administrator Users

1.1.9 Create Cash Account for which the TIPS Actor is the owner

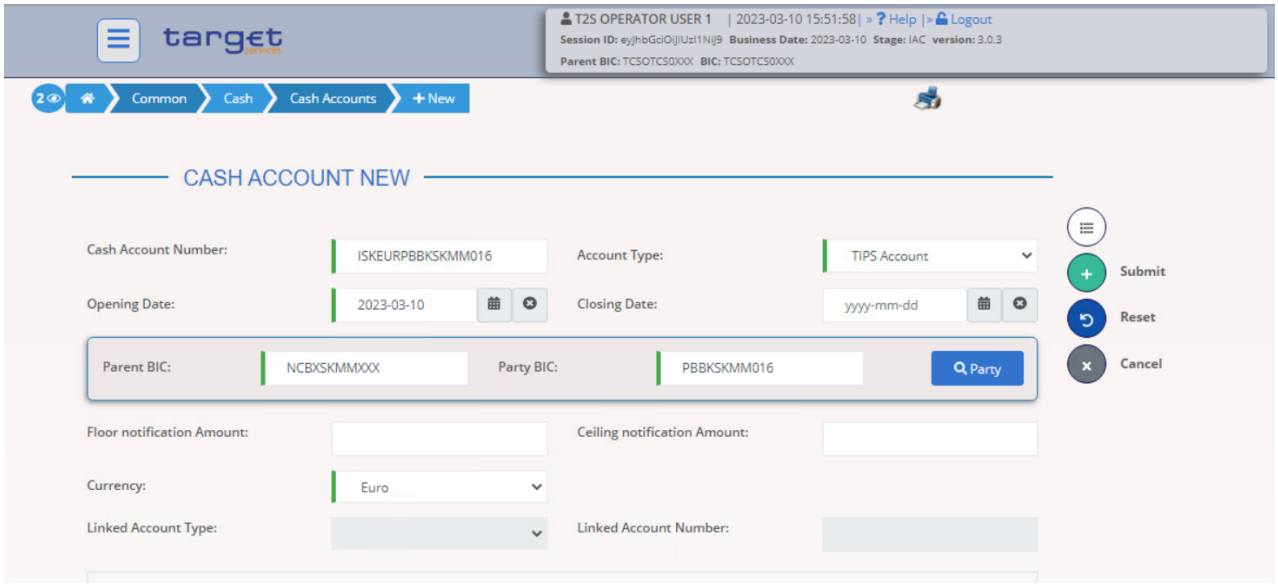
For TIPS Participant:

- Go to the *Common / Cash / Cash Accounts / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Cash / Cash Accounts / Search* screen and click on the ***New*** button.

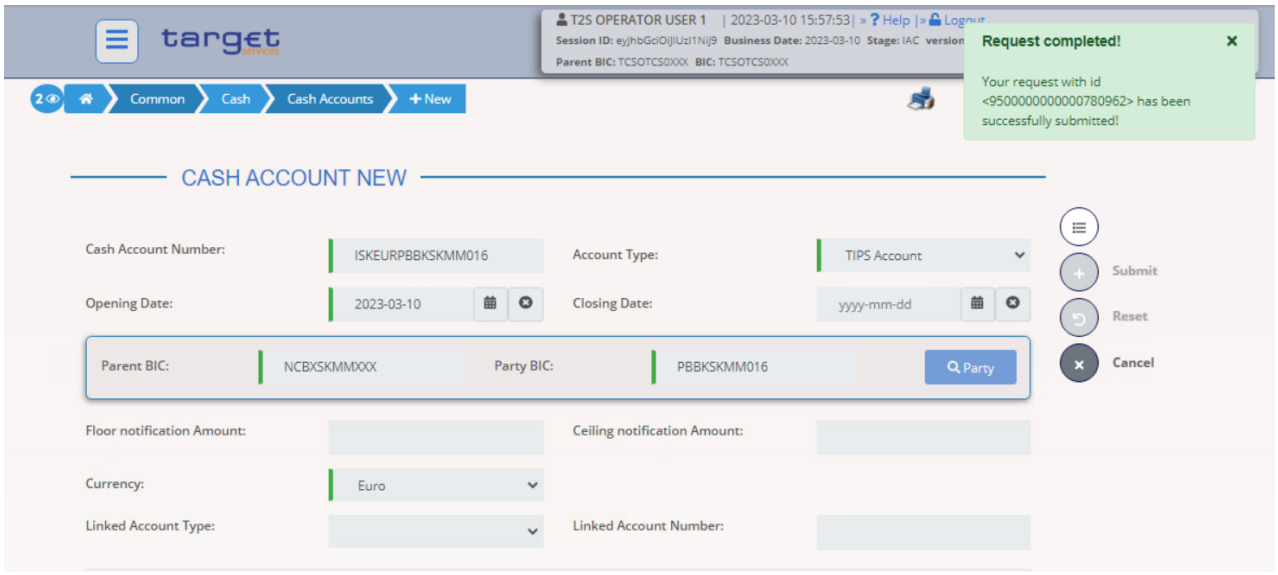
[5] The *CRDM-Access* role will only include *CRDM_Access* privilege. The *Party Administrator* role will include the remaining six privileges.



- Define the new Cash Account for party NCBXSKMMXXX/PBBKSKMM016 as indicated on the screen below. Please remember that the *Opening* and *Closing dates* of the Cash Account cannot exceed the validity dates of the Owner Party.

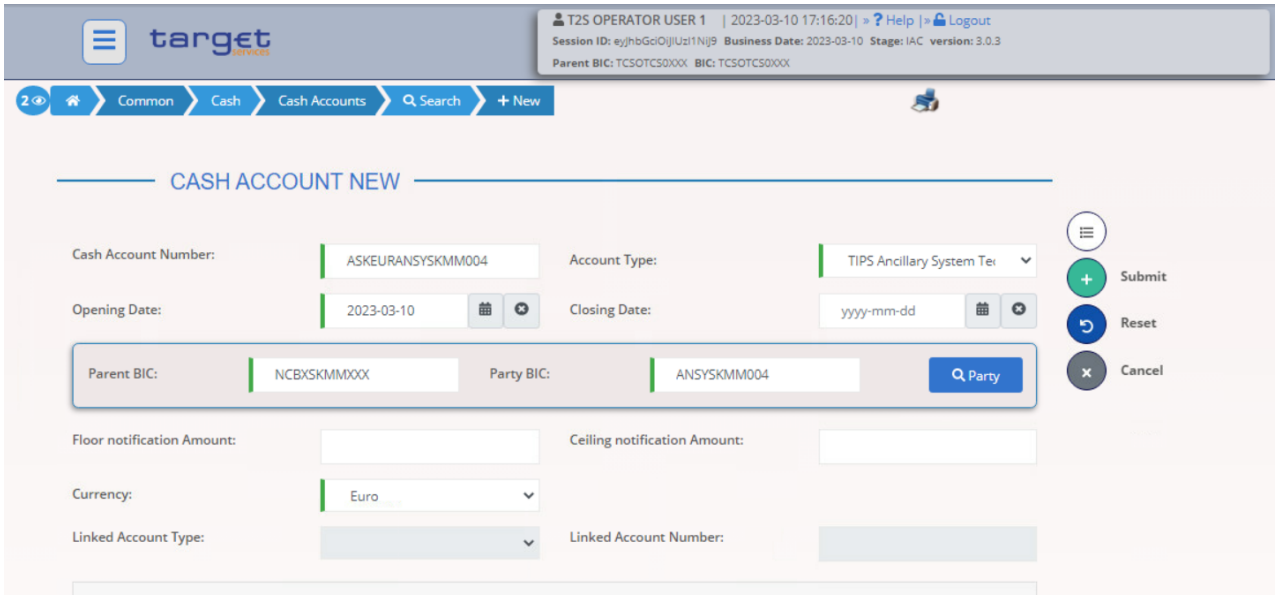


- The Cash Account ISKEURPBBKSKMM016 has been successfully created.

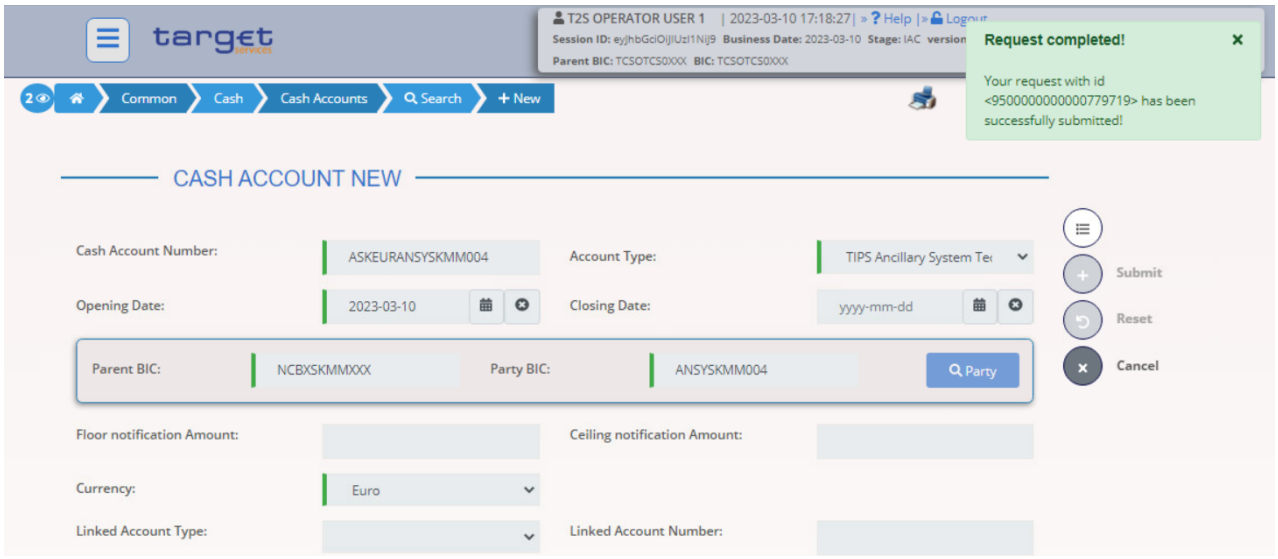


For Ancillary System:

- Go to the *Common / Cash / Cash Accounts / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Cash / Cash Accounts / Search* screen and click on the ***New*** button.
- Define the new Cash Account for party NCBXSKMMXXX/ANSYSKMM004 as indicated on the screen below. Please remember that the *Opening* and *Closing dates* of the Cash Account cannot exceed the validity dates of the Owner Party.



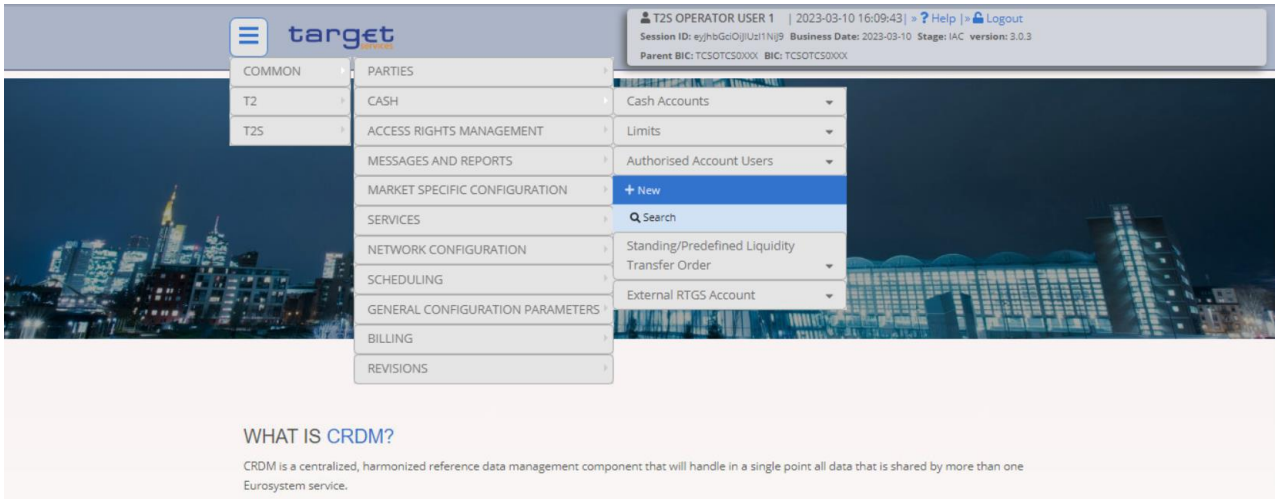
- The Cash Account ASKEURANSYSKMM004 has been successfully created.



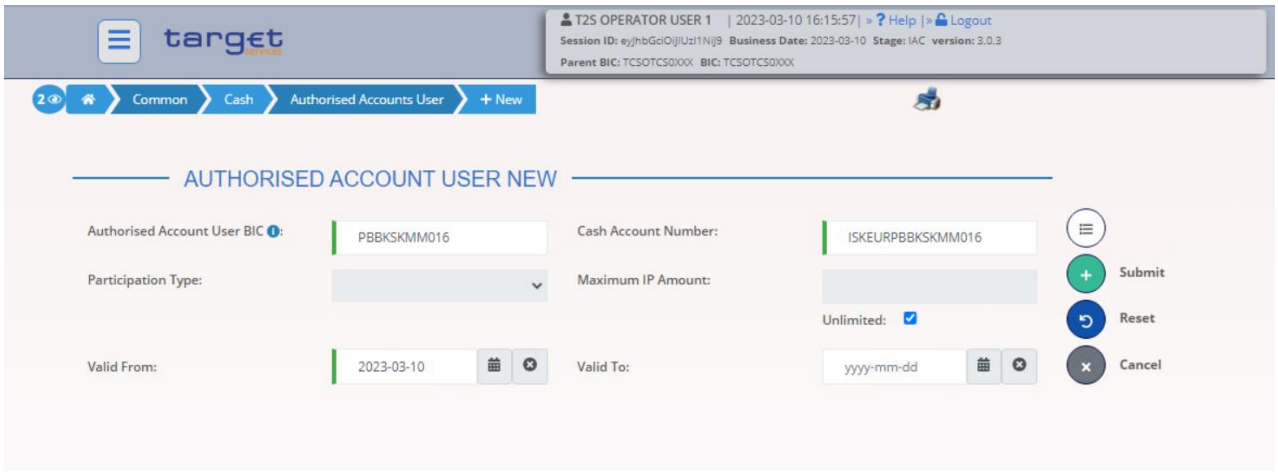
1.1.10 Define an AAU for the Dedicated Cash Account or the Ancillary System Technical Account

- This step can also be performed by Payment Banks (and Ancillary Systems), which can create Authorised Account users for TIPS Accounts (and TIPS ASTA) owned by them and for the TIPS CMBs linked to them.

- Go to the *Common / Cash / Authorised Account User / New* path and click on the ***New*** option.
  As an alternative path, go to the *Common / Cash / Authorised Account User / Search* screen and click on the ***New*** button.

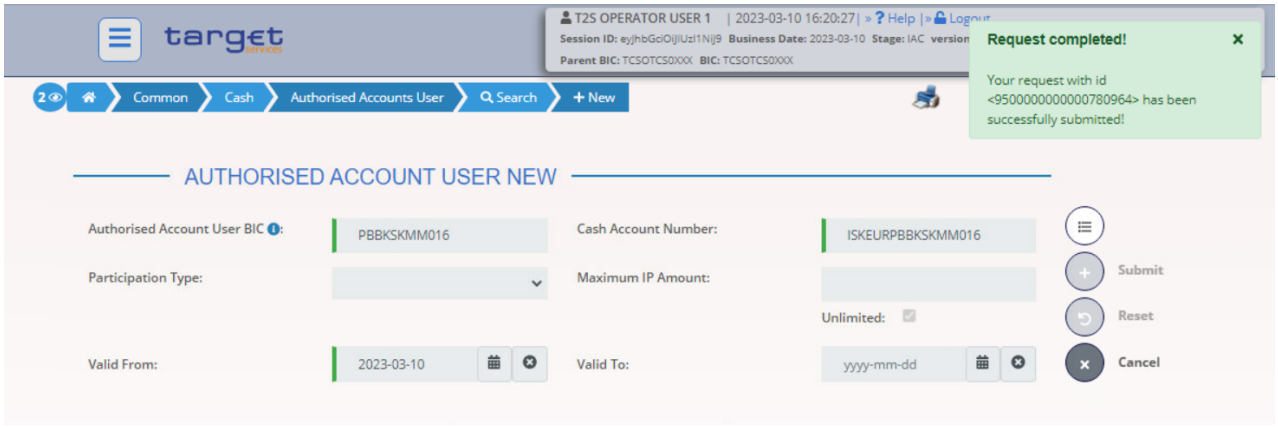


- Insert the data as shown in the screenshot below.



- The AAU has been created.

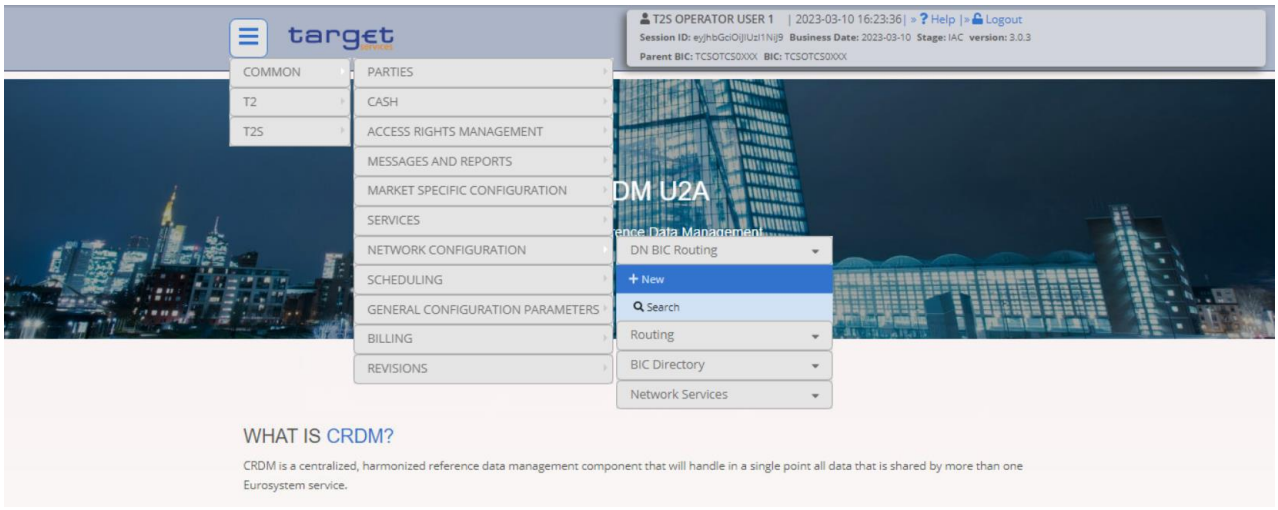
- **<u>Please remember that the selected BIC PBBKSKMM016 cannot be authorised for any other TIPS Cash Account or CMB in the same validity period, while Account ISKEURPBBKSKMM016 can have more BICs defined as AAU. Banks may decide to have their "Main BIC" reachable on the TIPS ASTA of their ACH or on their TIPS DCA and also use a secondary BIC for the other account.</u>**



1.1.11 Define a DN-BIC Routing configuration for the AAU

This step can also be performed by Payment Banks for the BIC which currently identifies their own Party.

- Go to the *<u>Common / Network Configuration / DN BIC Routing / New</u>* path and click on the ***New*** option. As an alternative path, go to the *<u>Common / Network Configuration / DN BIC Routing / Search</u>* screen and click on the New button.

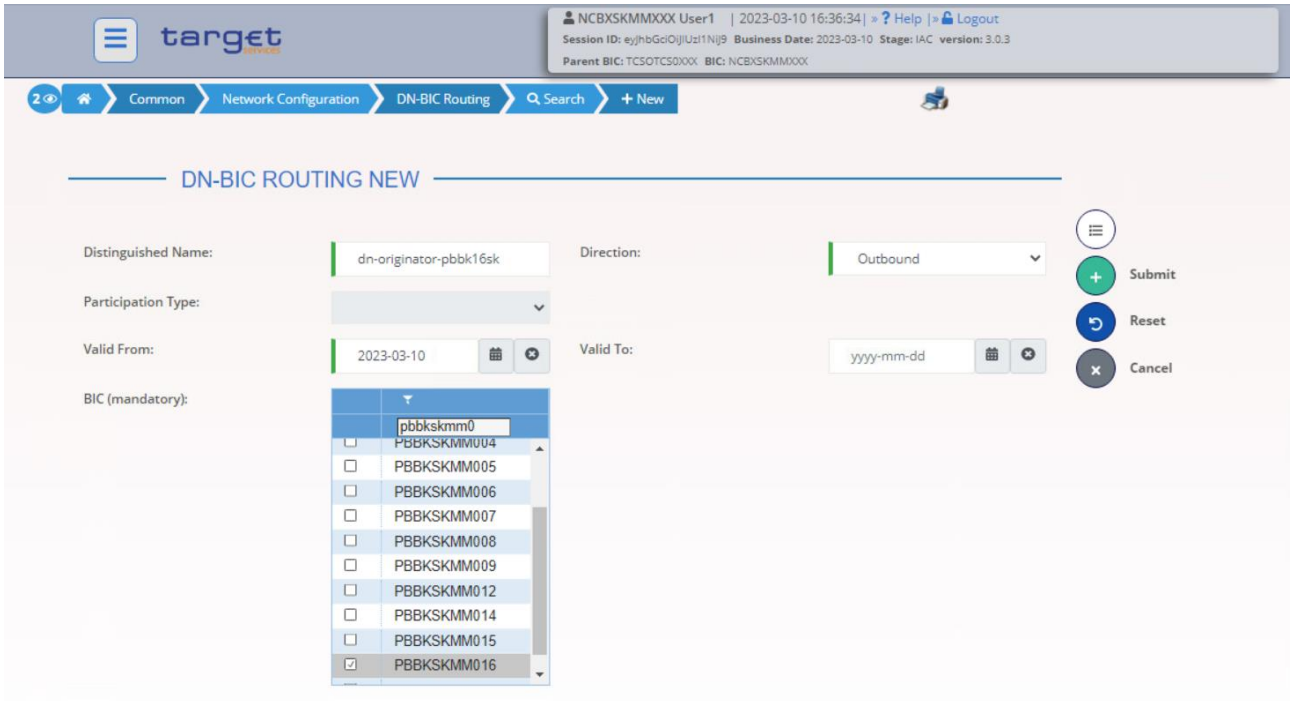


- Define the data as shown in the screenshot below and click on the ***Submit*** button.

This configuration is needed both to define DNs authorised to instruct payments and DNs authorised to receive payments on the Beneficiary side.

Please consider that in case the Direction is Outbound there can be only one Distinguished Name linked to a specific BIC11 for a certain validity period. Please remember also that the BIC (mandatory) field only shows BIC that have an AAU already set.

Moreover, the Distinguished Name must already be linked via a User-Certificate DN link to an A2A user belonging to the party BIC used for the routing.



1.1.12 Billing configuration

This section contains all steps to configure CRDM data for propagation in BILL. In order to fully configure System Entities and Participants, the following CRDM reference data objects need to be defined:

- Invoice Configuration;
- Routing Configuration;
- Message Subscription Rule Set and Message Subscription Rule.

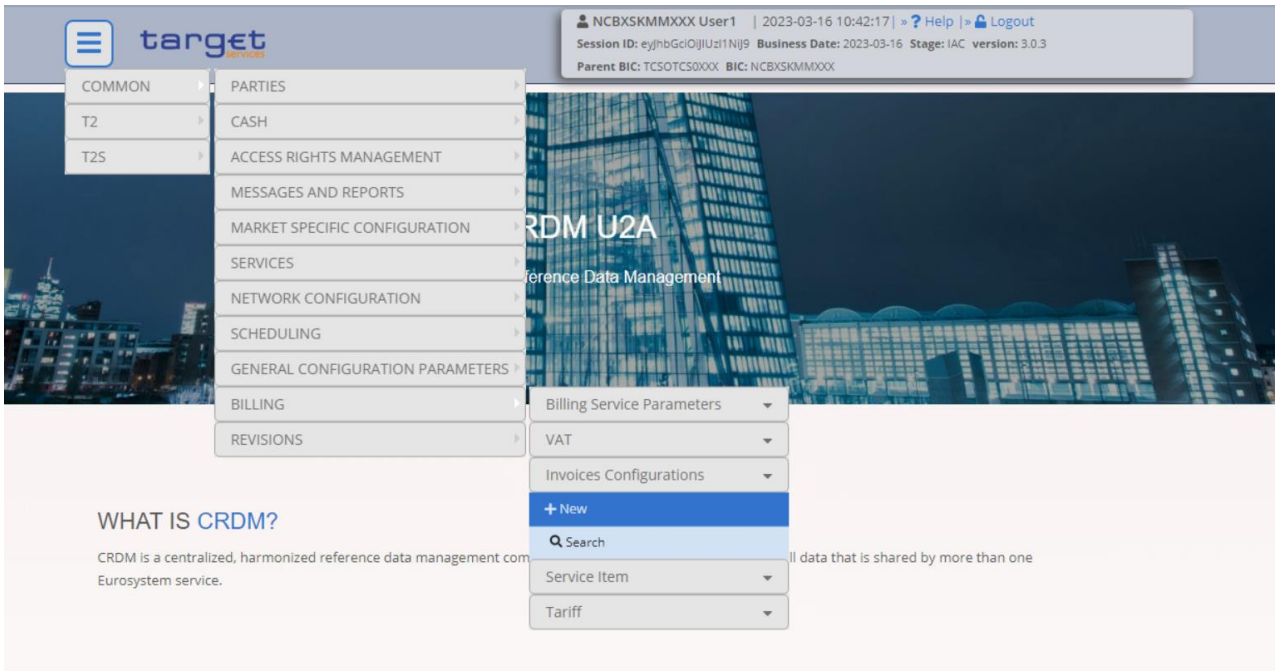
The following sections show the main configuration steps for each of these CRDM objects. They refer only to the relevant fields for BILL configuration related to TIPS Service.

For additional details on specific field's usage please refer to the official UDFS and UHB documentation for CRDM and BILL Common Components published on ECB website.

1. **Invoice Configuration**

For TIPS Central Bank:

- Go to the *Common / Billing / Invoice Configuration / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Billing / Invoice Configuration / Search* screen and click on the ***New*** button.

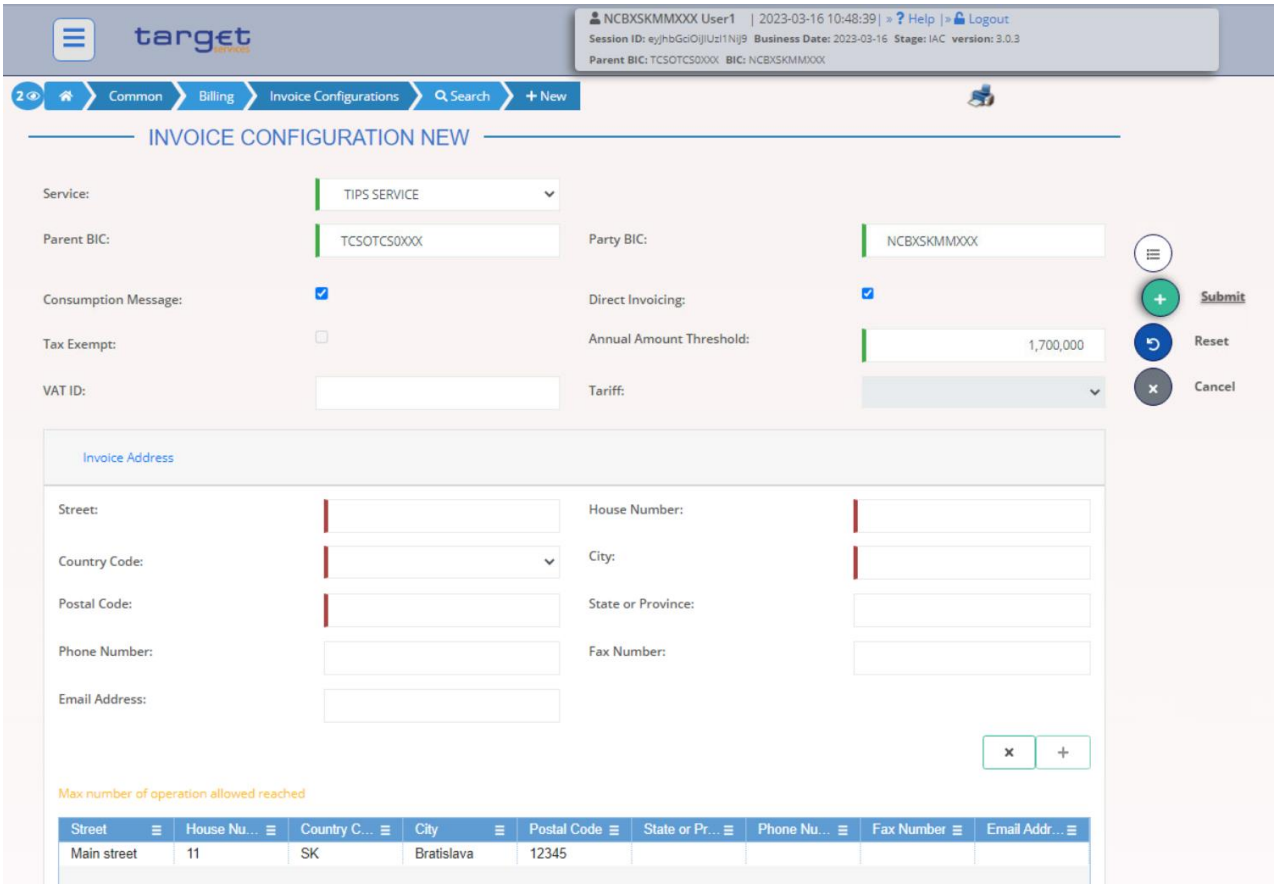


- Insert the most relevant TIPS related data[6] as shown below.
  - TIPS Service as *Service*
  - *Parent BIC* and *Party BIC* identifying the Central Bank
  - *Consumption Message*[7]
  - *Direct Invoicing*[8]

[6] Please note that *Annual Amount Threshold* is a mandatory field and must be filled in even if not relevant for TIPS (e.g. 100,000). *Invoice Adrress* and *Invoice Template* sections need to be filled in before submitting the creation request. For additional details on specific field's usage please refer to the official UDFS and UHB documentation for CRDM and BILL Common Components published on ECB website

[7] It need to be set to 'Yes' in order to receive camt.077 CONS; 'No' otherwise.

[8] It need be set to 'Yes' in order to let BILL activate direct invoicing for the system entity; 'No' otherwise. In case 'Yes' is selected, to guarantee the correct functioning of the billing process, all participants of the system entity must have a valid invoice configuration.



- Then click on Submit button. The **Invoice Configuration for the Central Bank** is now active.

For TIPS Participant or Ancillary System:

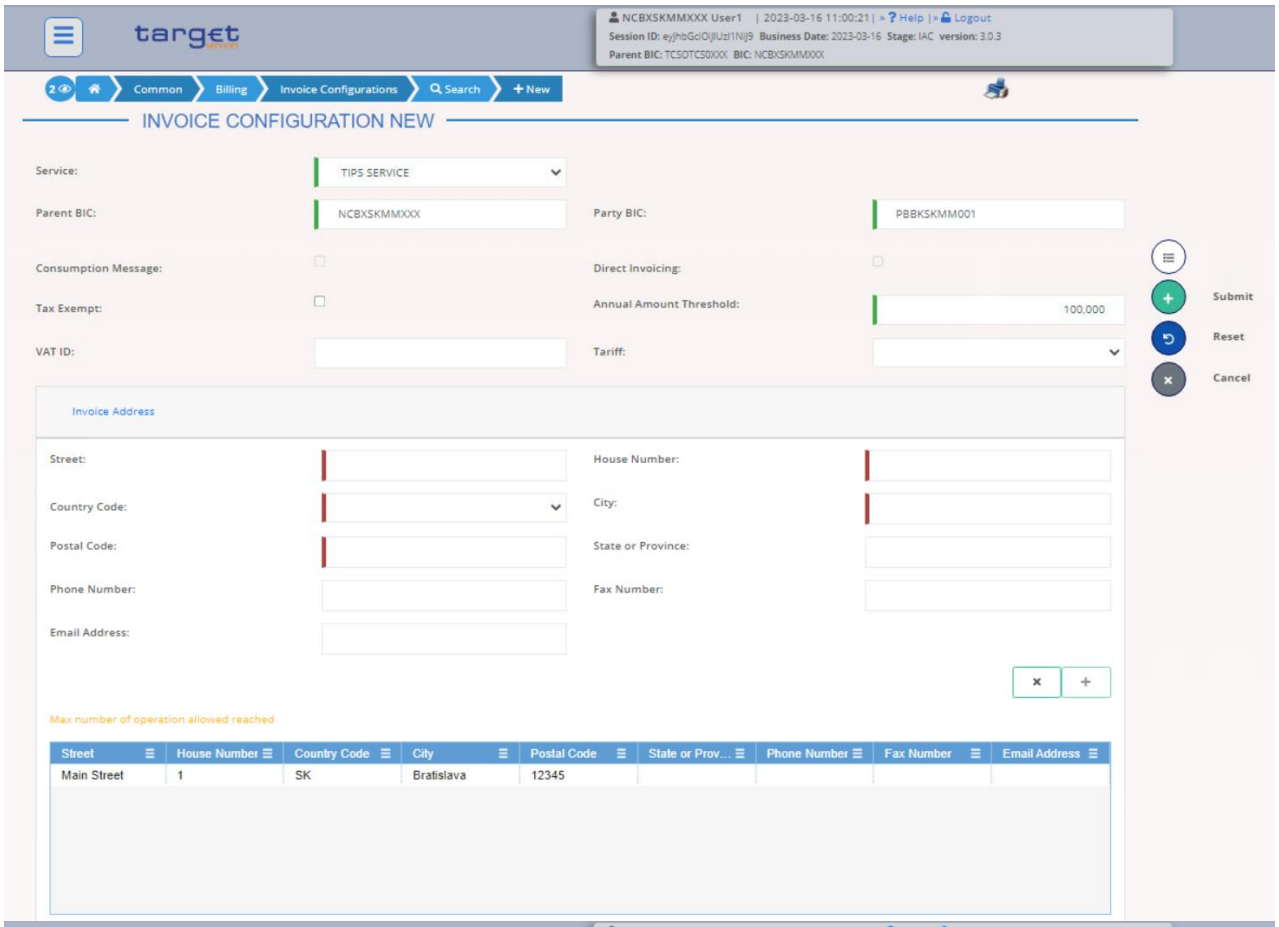
- Go to the *Common / Billing / Invoice Configuration / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Billing / Invoice Configuration / Search* screen and click on the ***New*** button.

- Insert the most relevant TIPS related data[9] as shown below.
  - TIPS Service as *Service*
  - *Parent BIC* and *Party BIC* identifying the TIPS Participant or Ancillary System
  - *Direct Charging*[10] flag and Cash Accounts for Direct Debit Invoice Configuration setup[11]

[9] Please note that *Annual Amount Threshold* is a mandatory field and must be filled in even if not relevant for TIPS (e.g. 100,000). *Invoice Adrress, Invoice Template* and *Direct Debit Invoice Configuration* sections need to be filled in before submitting the creation request. For additional details on specific field's usage please refer to the official UDFS and UHB documentation for CRDM and BILL Common Components published on ECB website.

[10] It must be set to 'Yes' in order to allow the direct charging on configured accounts; 'No' otherwise.

[11] The Credited Account of the Direct Debit Invoice Configuration must refer to an open, existing and active Cash Account instance in CRDM that belongs to the same System Entity of the Linked Party. The Debited Account of the Direct Debit Invoice Configuration must refer to an existing Cash Account instance in CRDM with type "Main Cash Account", not necessarily under the CB datascope.


target
NCBXSKMMXXX User1 | 2023-03-16 11:00:21 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2023-03-16 Stage: IAC version: 3.0.3
Parent BIC: TCSOTCS0XXX BIC: NCBXSKMMXXX
Common
Billing
Invoice Configurations
Search
New
INVOICE CONFIGURATION NEW
Service:
TIPS SERVICE
Parent BIC:
NCBXSKMMXXX
Party BIC:
PBBKSKMM001
Consumption Message:
Direct Invoicing:
Tax Exempt:
Annual Amount Threshold:
100,000
VAT ID:
Tariff:
Submit
Reset
Cancel
Invoice Address
Street:
House Number:
Country Code:
City:
Postal Code:
State or Province:
Phone Number:
Fax Number:
Email Address:
Max number of operation allowed reached
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Phone Number
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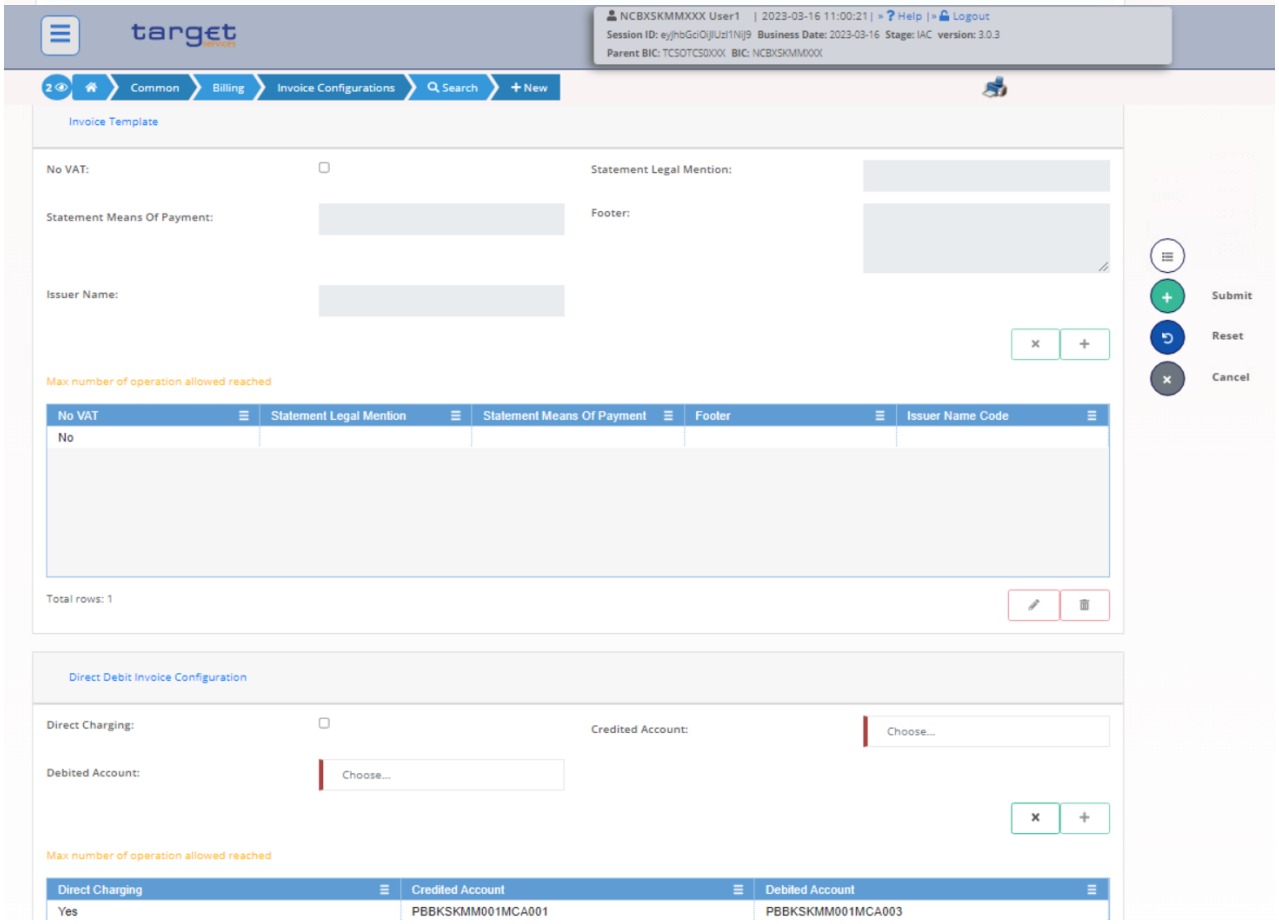
SK
Bratislava
12345

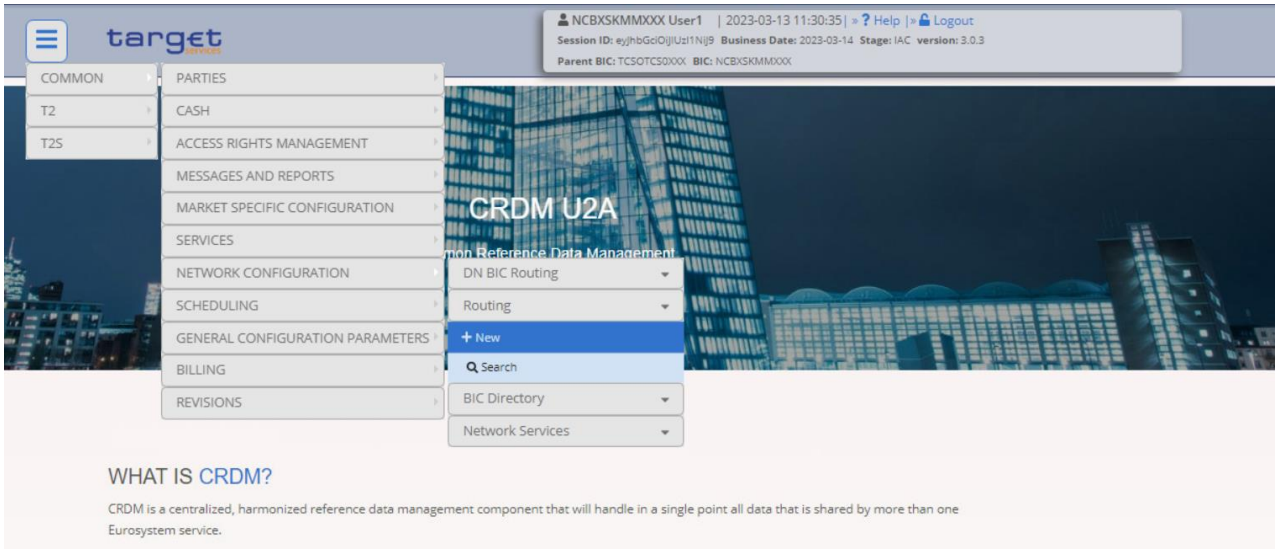

target
NCBXSKMMXXX User1 | 2023-03-16 11:00:21 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2023-03-16 Stage: IAC version: 3.0.3
Parent BIC: TCSOTCS0XXX BIC: NCBXSKMMXXX
Common
Billing
Invoice Configurations
Search
New
Invoice Template
No VAT:
Statement Legal Mention:
Statement Means Of Payment:
Footer:
Issuer Name:
Submit
Reset
Cancel
Max number of operation allowed reached
No VAT
Statement Legal Mention
Statement Means Of Payment
Footer
Issuer Name Code
No
Total rows: 1
Direct Debit Invoice Configuration
Direct Charging:
Credited Account:
Choose...
Debited Account:
Choose...
Max number of operation allowed reached
Direct Charging
Credited Account
Debited Account
Yes
PBBKSKMM001MCA001
PBBKSKMM001MCA003

- Then click on Submit button. The **Invoice Configuration for the TIPS Participant** is now active.

2. Routing Configuration for Billing

For TIPS Central Bank:

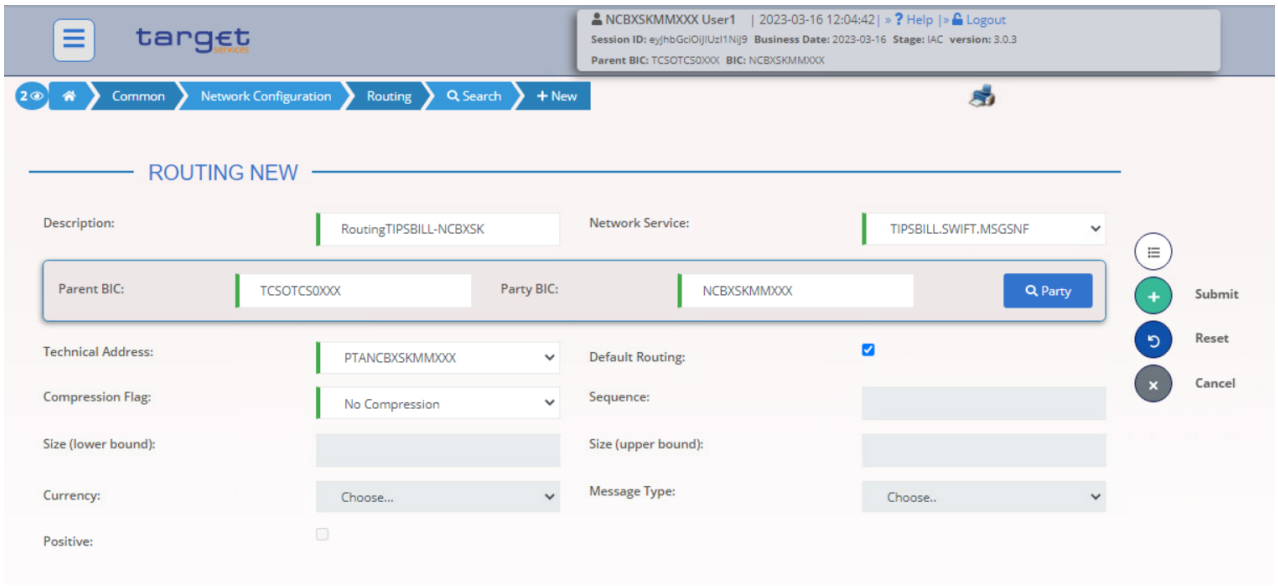
- Go to the *Common / Network Configuration / Routing / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Network Configuration / Routing / Search* screen and click on the ***New*** button.



- Insert the most relevant TIPS related data as shown below.
  - Select a TIPSBILL.XXX *Network Service*[12]
  - *Parent BIC* and *Party BIC* identifying the Central Bank
  - Select a *Party Technical Address* already defined at *Party* level and linked to the *Network Service* selected above
  - Select the flag *Default Routing*[13]

[12] To allow the reception of camt.077 generated by the system (INVC and CONS) the Network Services are '*TIPSBILL.XXX.FILESNF*' and '*TIPSBILL.XXX.MSGSNF*'. To allow A2A BILL query feature (ITEM and CUMU) the Network Services is '*TIPSBILL.XXX.MSGRT*'.

[13] It must be set to 'Yes' since at least one default routing has to be defined. In case of conditional routing set up the flag must be set to 'No' and it must be defined the 'Message Type' for which a dedicated routing path is needed.

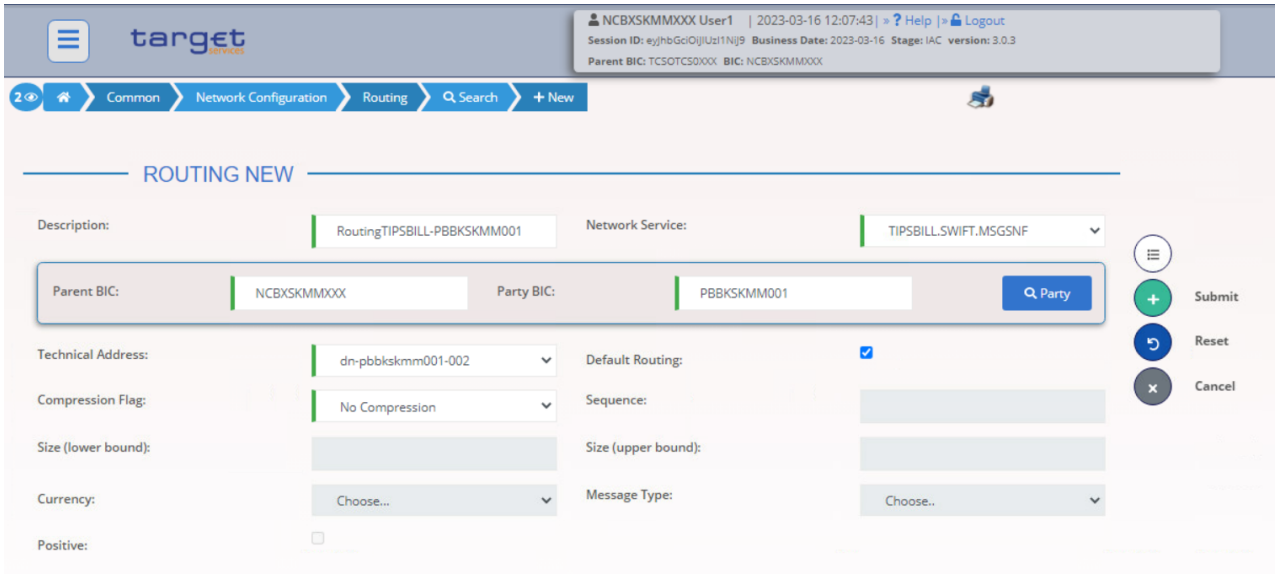


- Then click on Submit button. The **Routing Configuration for the Central Bank** is now active.

For TIPS Participant or Ancillary System (this step can also be performed by TIPS Participant or Ancillary System):

- Go to the *Common / Network Configuration / Routing / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Network Configuration / Routing / Search* screen and click on the ***New*** button.

- Insert the most relevant TIPS related data as shown below.
  - Select a TIPSBILL.XXX *Network Service*[14]
  - *Parent BIC* and *Party BIC* identifying the TIPS Participant or Ancillary System
  - Select a *Party Technical Address* already defined at *Party* level and linked to the *Network Service* selected above
  - Select the flag *Default Routing*[15]



[14] To allow the reception of camt.077 generated by the system (INVC and CONS) the Network Services are '*TIPSBILL.XXX.FILESNF*' and '*TIPSBILL.XXX.MSGSNF*'. To allow A2A BILL query feature (ITEM and CUMU) the Network Services is '*TIPSBILL.XXX.MSGRT*'.

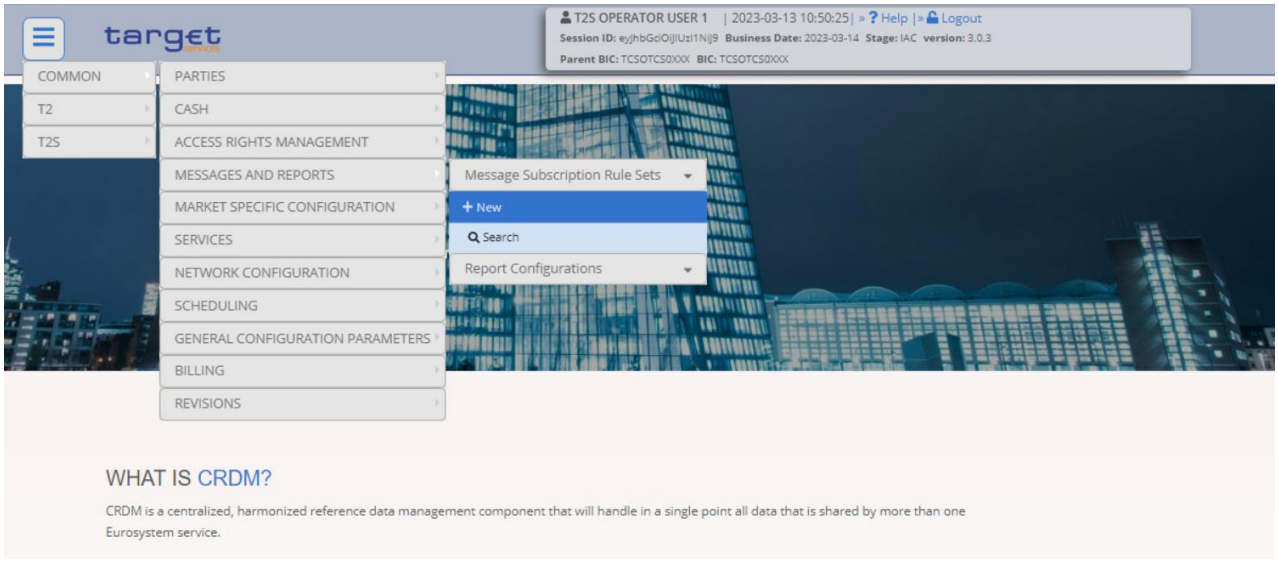
[15] It must be set to 'Yes' since at least one default routing has to be defined. In case of conditional routing set up the flag must be set to 'No' and it must be defined the 'Message Type' for which a dedicated routing path is needed.

- Then click on Submit button. The **Invoice Configuration for the TIPS Participant or Ancillary System** is now active.

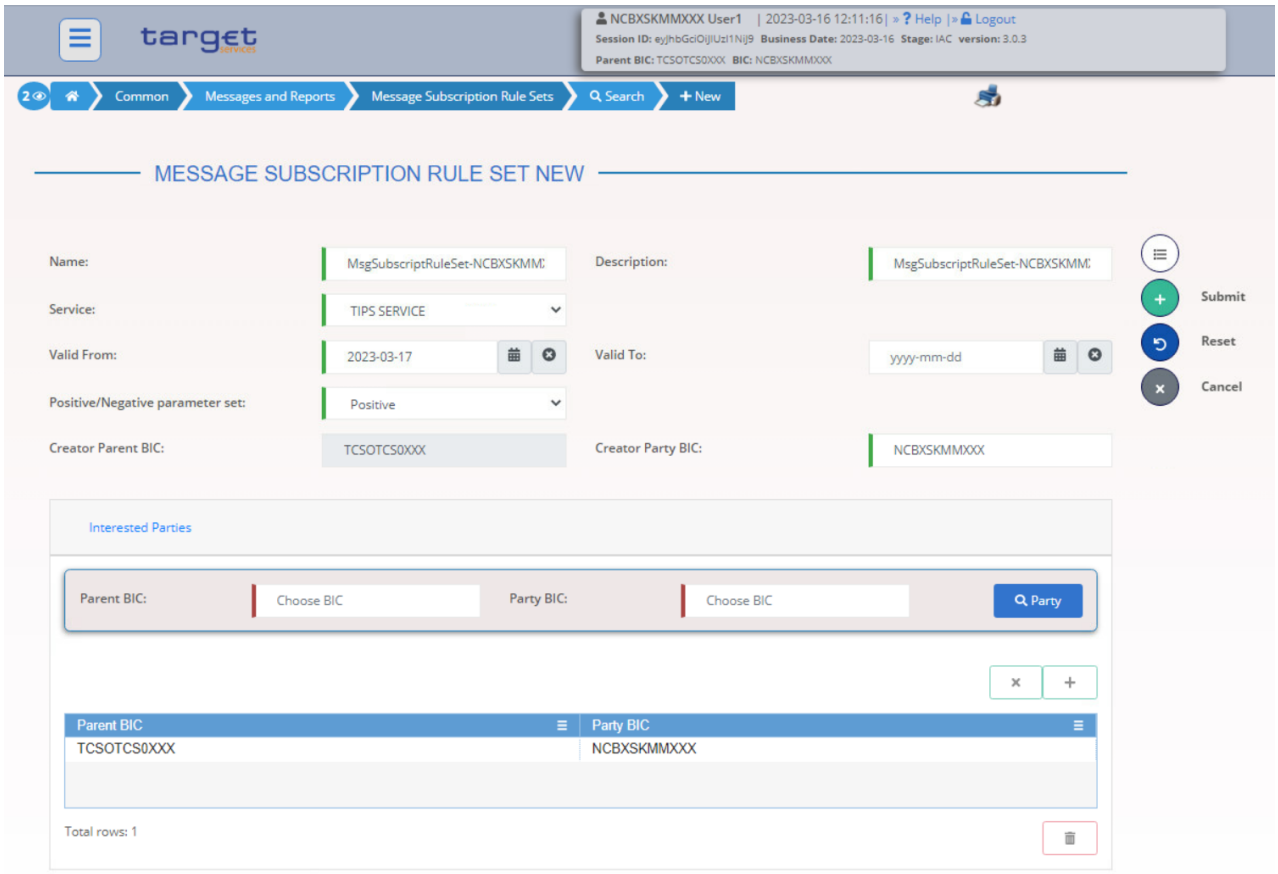
3. Message Subscription Rule Set/Rule Configuration for Billing

For TIPS Central Bank:

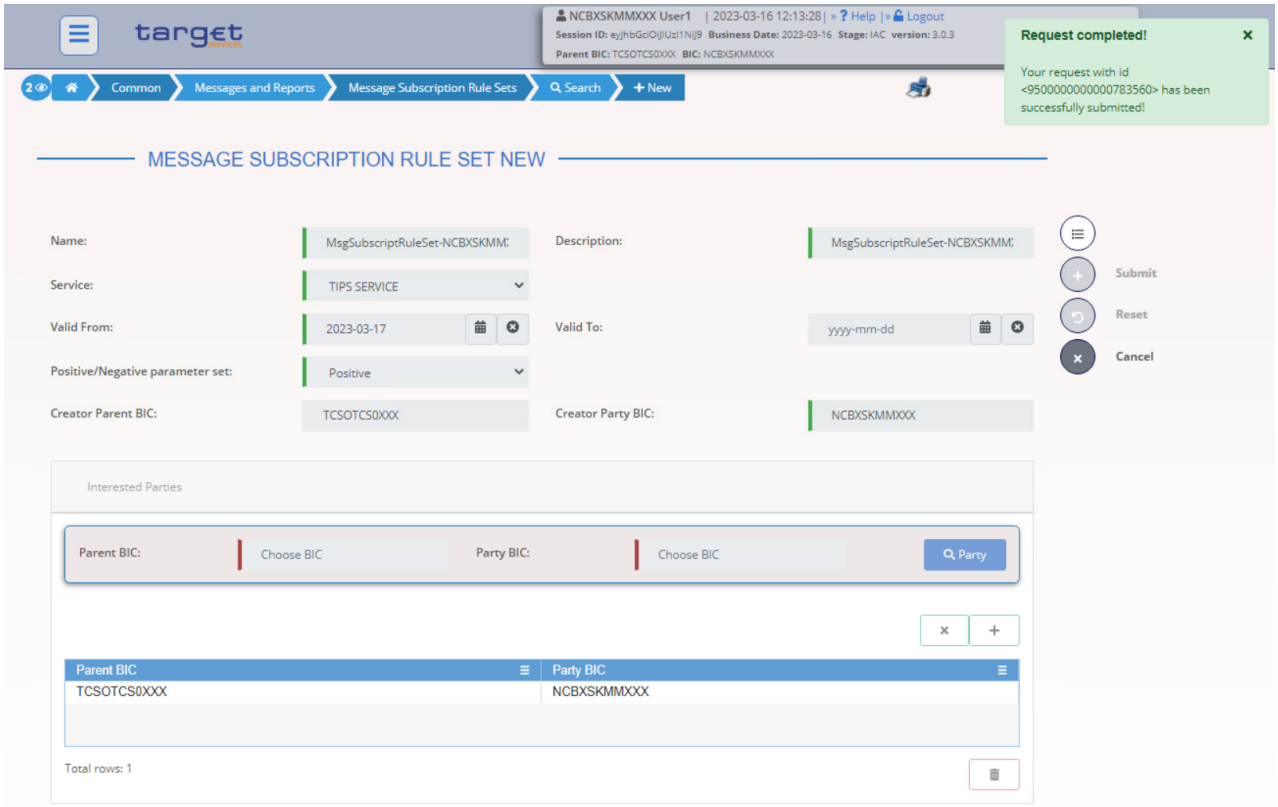
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button. As an alternative path, go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button.



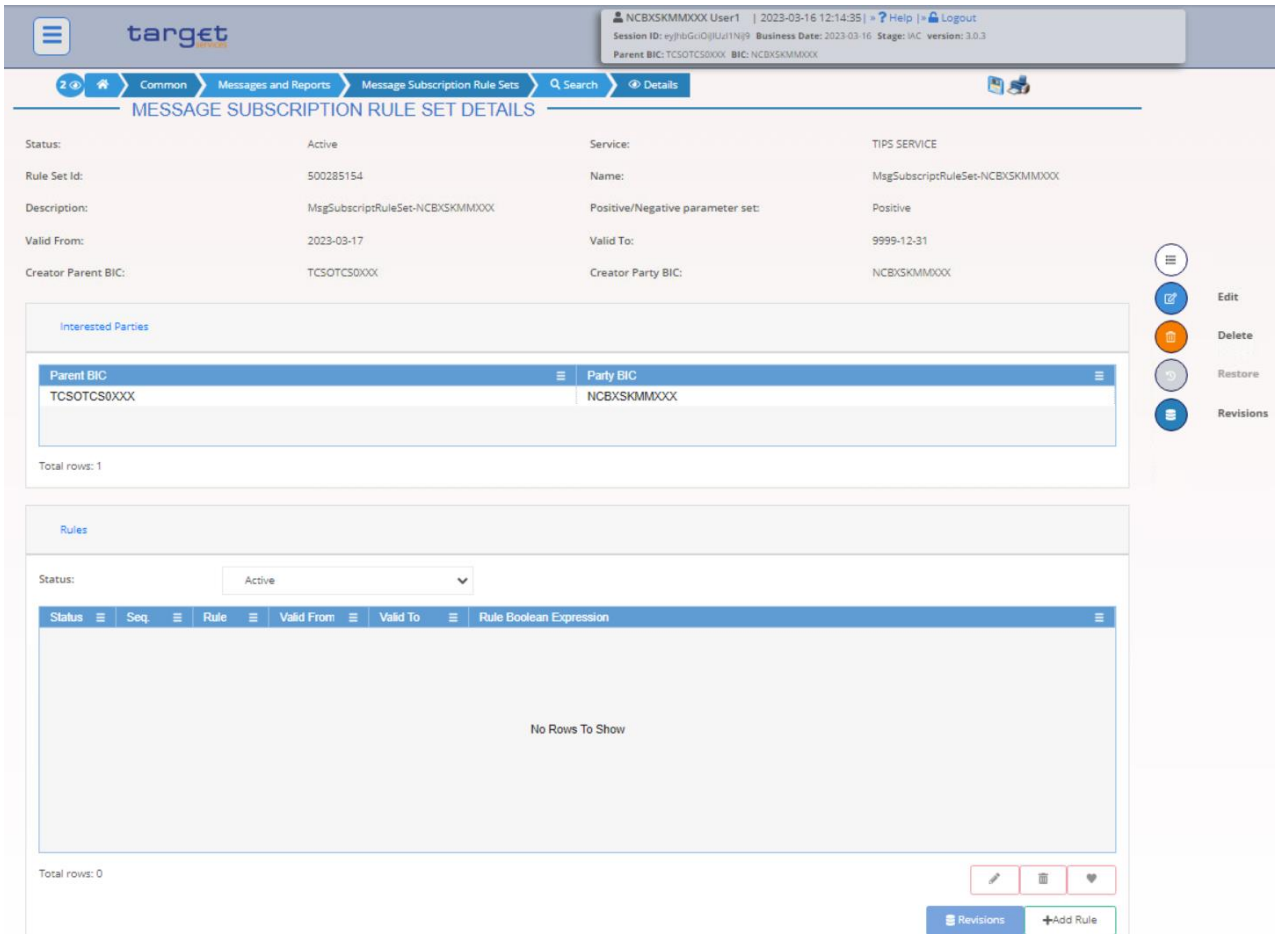
- Insert the most relevant TIPS related data as shown below.
  - TIPS Service as *Service*
  - *Parent BIC* and *Party BIC* identifying the Central Bank as *Creator Party*
  - *Parent BIC* and *Party BIC* identifying the Central Bank as *Interested Party*
  - The positive flag as *Positive/Negative parameter set* value



- Then click on Submit button. The **Message Subscription Rule Set for the Central Bank** is now active.



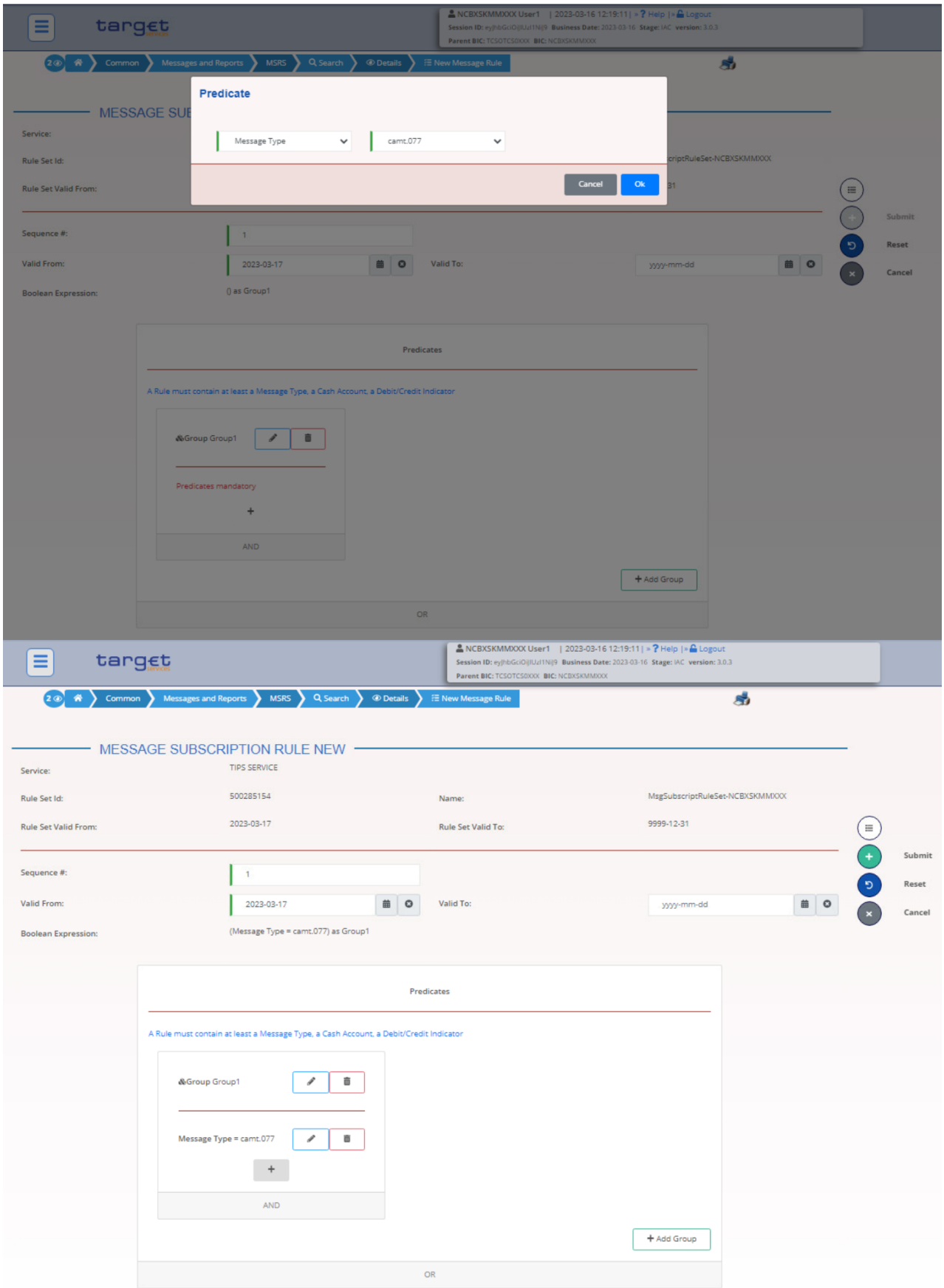
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen, search for the newly created Message Subscription Rule Set and click on the ***Details*** button.



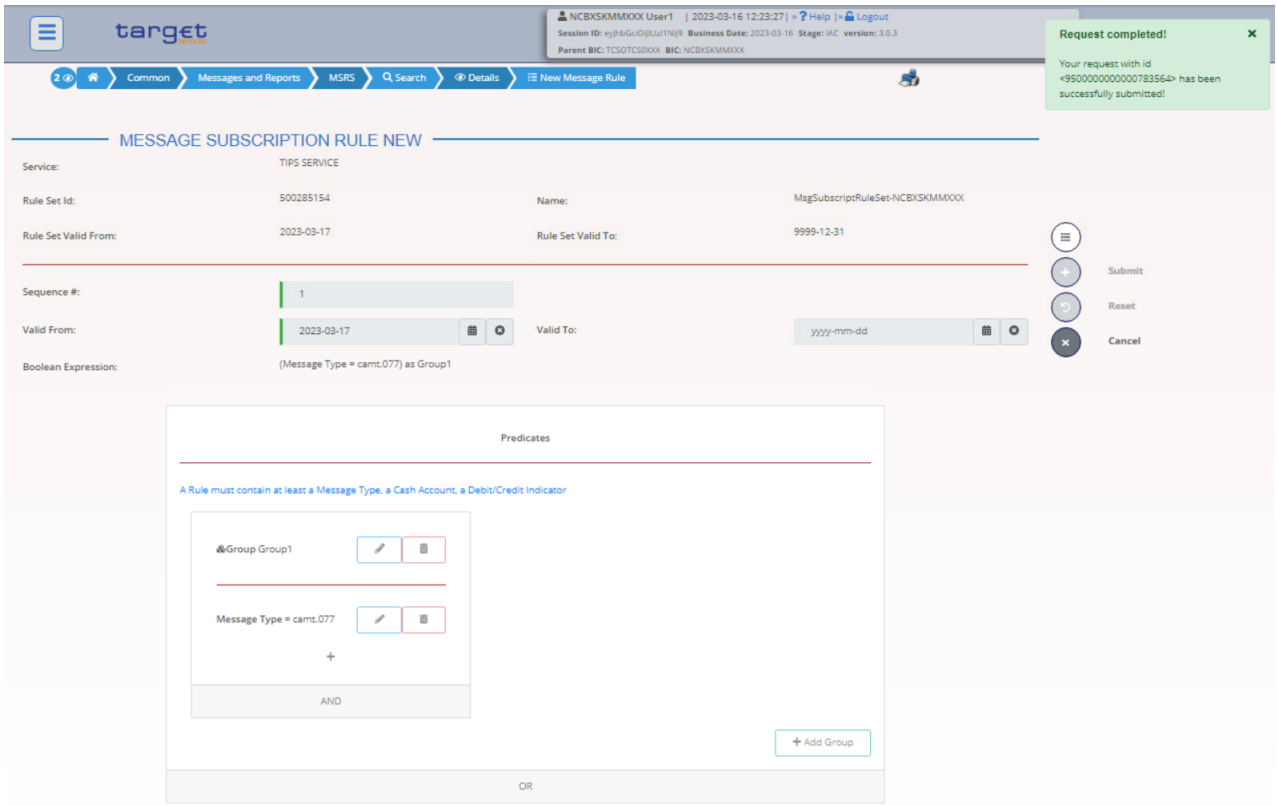
- Click on the ***Add rule*** button under section ***Rules***

- Then add the *Sequence*, *Valid from* and *Valid to* values, then click on the ***Add Group*** button.

- Define the *Group* name and then Click on the ***+*** **icon**. Then choose the *Message type* **camt.077** from the drop down menu and click on the ***Ok*** button



- Then click on **Submit** button. The **Message Subscription Rule for the Central Bank** has been created.

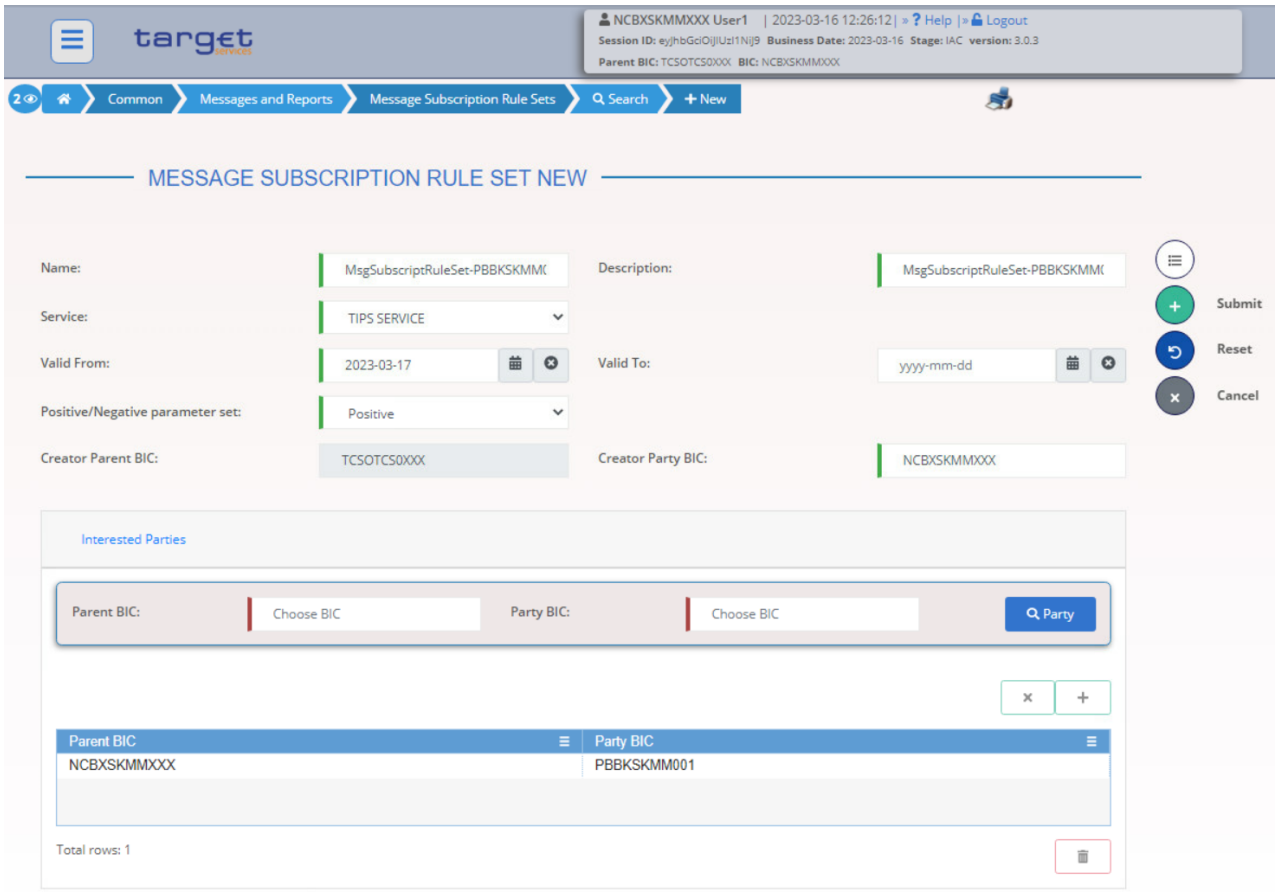


For TIPS Participant or Ancillary System (this step can also be performed by TIPS Participant or Ancillary System):

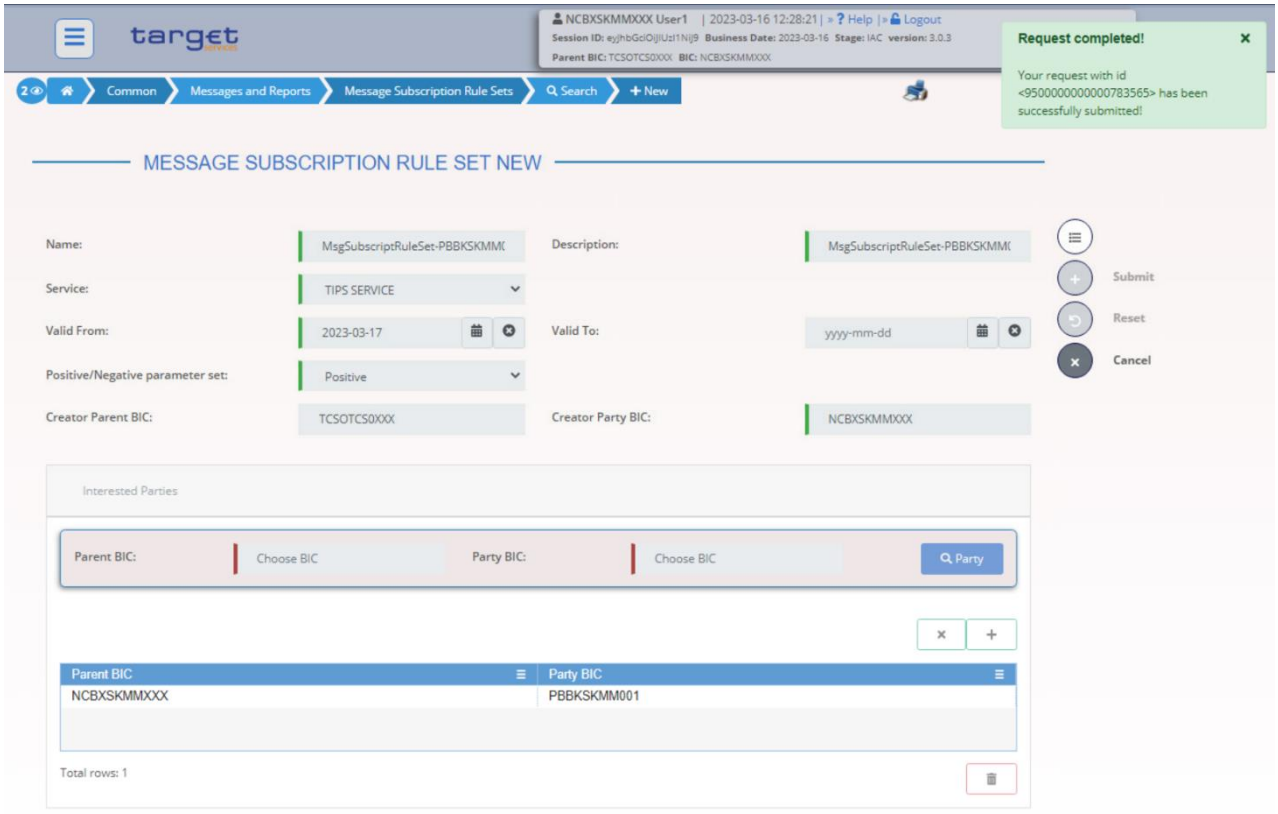
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button. As an alternative path, go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button.

- Insert the most relevant TIPS related data as shown below.
  - TIPS Service as *Service*
  - *Parent BIC* and *Party BIC* identifying the Central Bank as *Creator Party*[16]
  - *Parent BIC* and *Party BIC* identifying the TIPS Participant or Ancillary System as *Interested Party*
  - The positive flag as *Positive/Negative parameter set* value

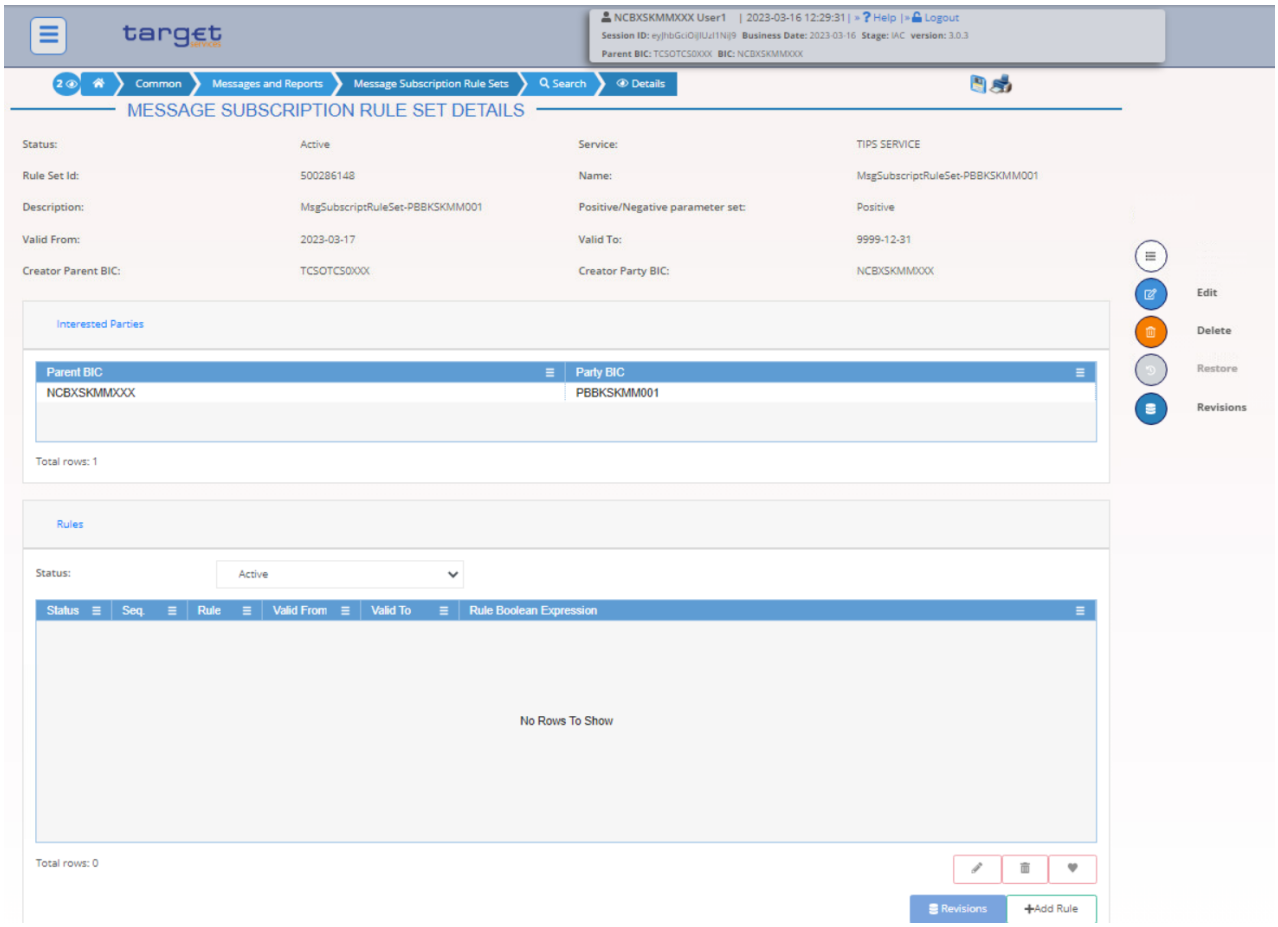
[16] In case the TIPS Participant or Ancillary System performs this step, *Parent BIC* and *Party BIC* identifying its own Party must be inserted as *Creator Party*.



- Then click on Submit button. The **Message Subscription Rule Set for the TIPS Participant or Ancillary System** is now active.



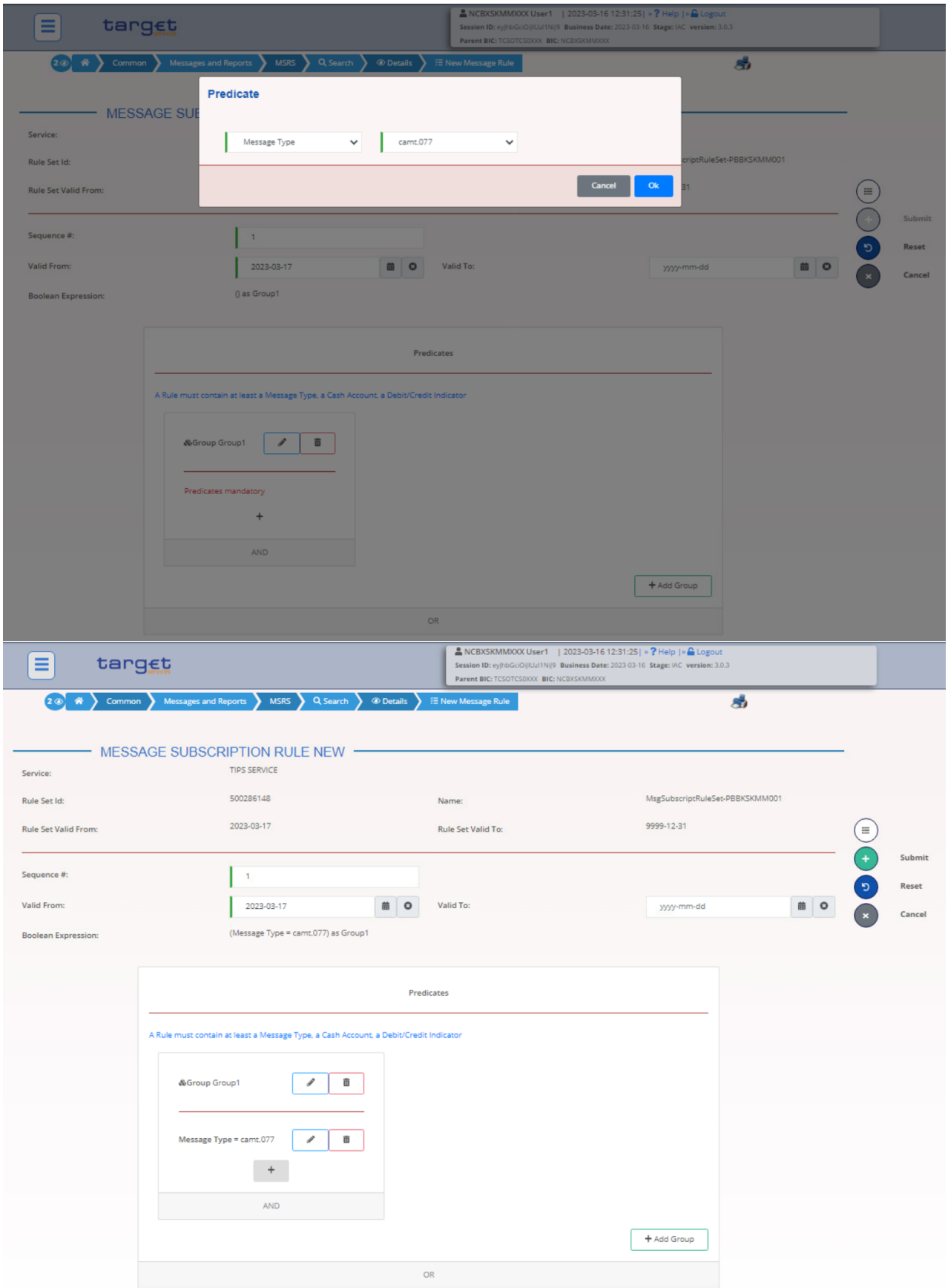
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen, search for the newly created Message Subscription Rule Set and click on the ***Details*** button.



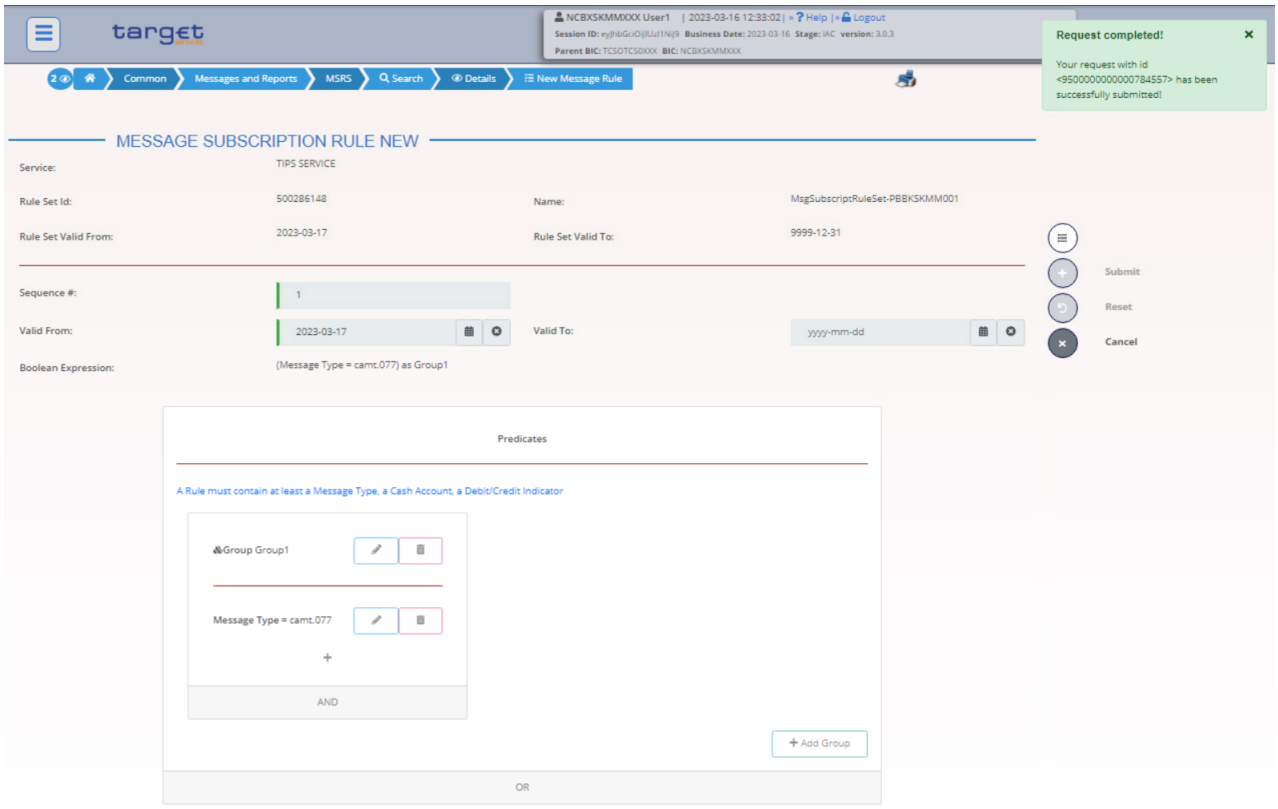
- Click on the ***Add rule*** button under section ***Rules***

- Then add the *Sequence*, *Valid from* and *Valid to* values, then click on the ***Add Group*** button.

- Define the *Group* name and then Click on the ***+*** **icon**. Then choose the *Message type* **camt.077** from the drop down menu and click on the ***Ok*** button



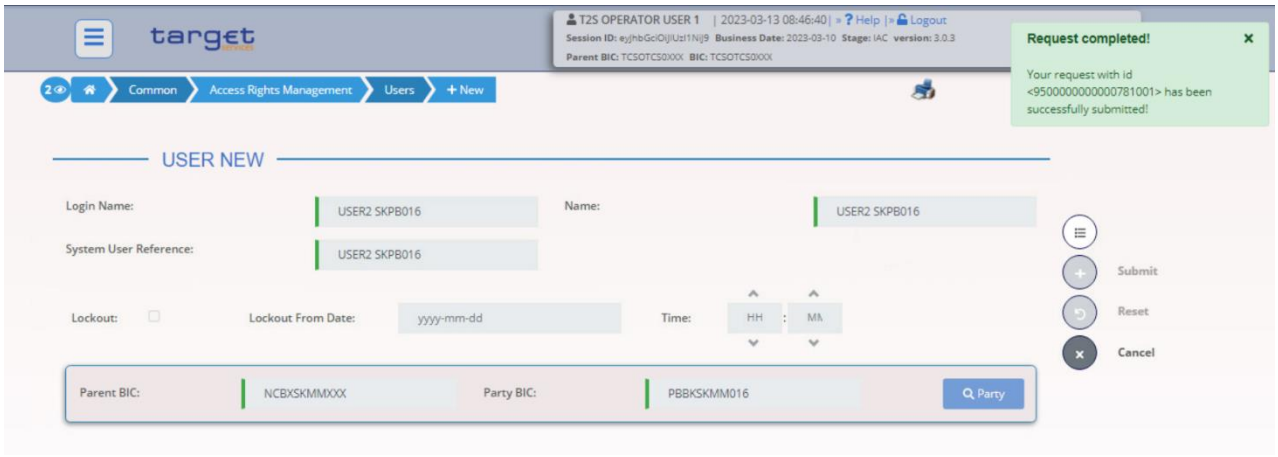
- Then click on **Submit** button. The **Message Subscription Rule for the TIPS Participant or Ancillary System** has been created



1.2 Reference data under TIPS Actor responsibility

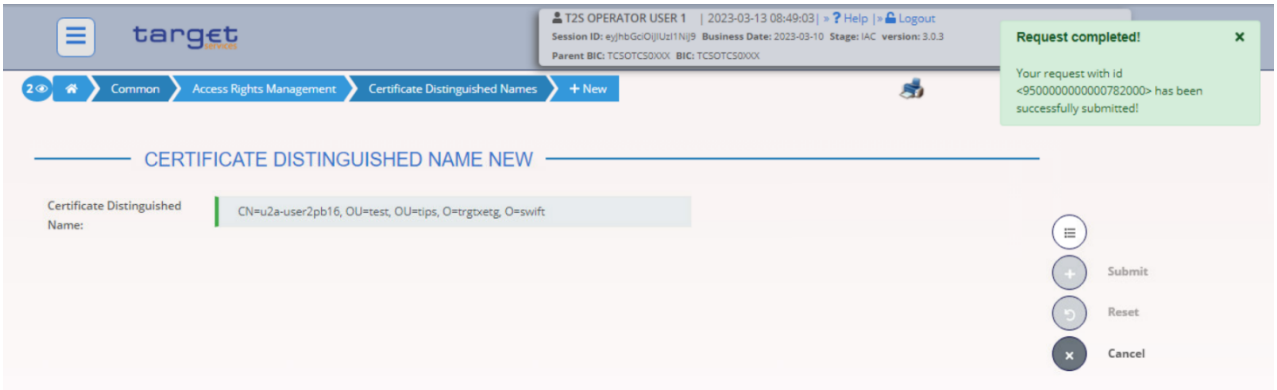
1.2.1 Create a non-Administrator user for the TIPS Actor Party

- Create a new user (e.g. USER2 SKPB016) by filling out all the relevant fields:



1.2.2 Create a new Certificate Distinguished Name

- Go to the *Common / Access Rights Management / Certificate Distinguished Names / Search* screen and click on the ***New*** button. Insert the Certificate Distinguished Name and click on the ***Submit*** button.



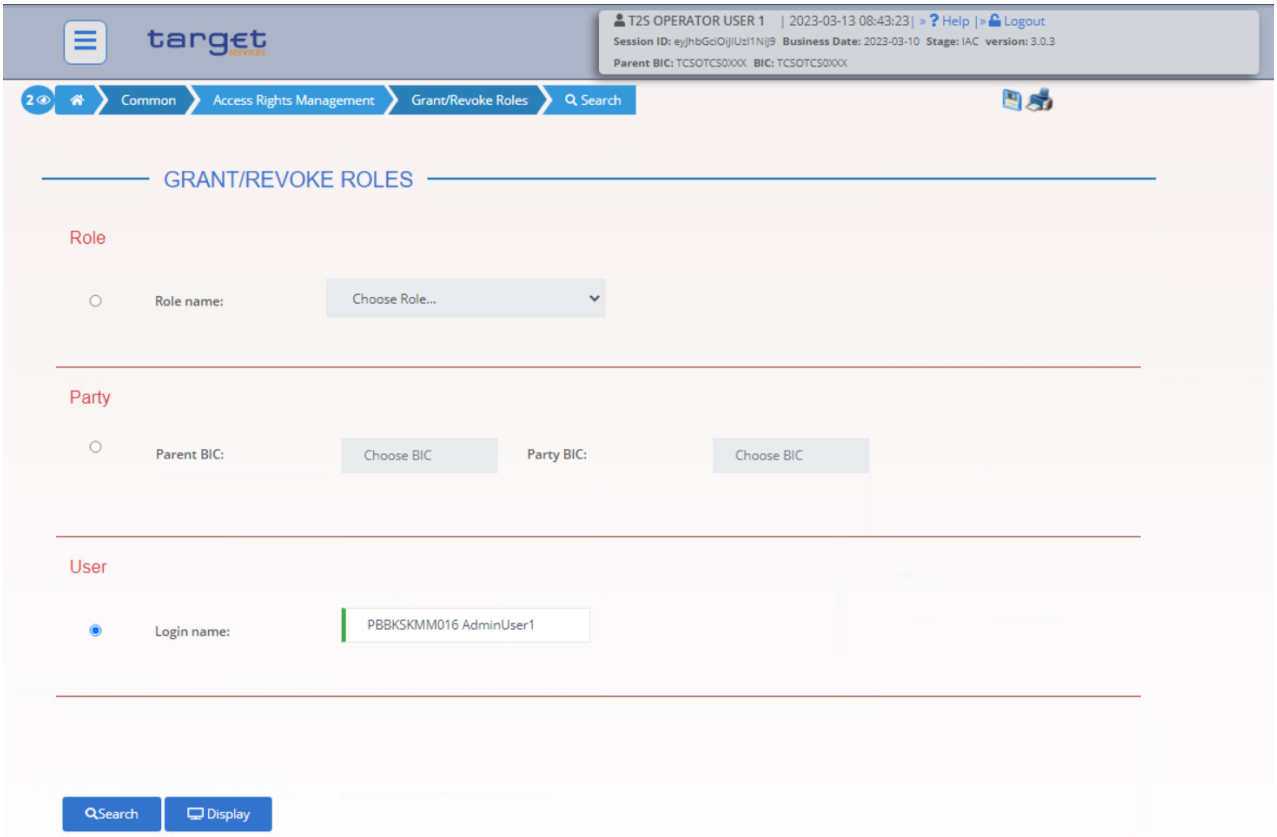
It is worth noting that if the DN is meant for a U2A user, it shall be captured with upper-case qualifiers and with one space after each comma. If it is meant for an A2A user, it shall be captured with lower-case qualifiers and without any spaces. For example:

- U2A user: CN=example, OU=sampledn, O=swift
- A2A user: cn=example,ou=sampledn,o=swift

1.2.3 Complete the TIPS Actor Admin access rights configuration

A TIPS Actor Administrator can only be granted with the Party Administrator role by its relevant CB. This role only contains the 7 basic privileges to access the CRDM GUI and to execute administrative actions on Access Rights. This means that, as a first step, **the Admin user has to enter the GUI and grant himself any other needed privileges and roles**. For example the "PB Access rights administrator - Advanced" which is necessary for the Admin to proceed with creating new users, new Certificate DNs and new User-Certificate DN links. In order to do so:

- Go to the *Common / Access Rights Management / Grant/Revoke Roles* screen and select from the Login name radio button the Administrator user, then click on the ***Search*** button.



- Select the relevant role (e.g. PB Access rights administrator - Advanced) and grant it to the Admin user

  Alternatively, to grant the same Role to more Users at the same time:

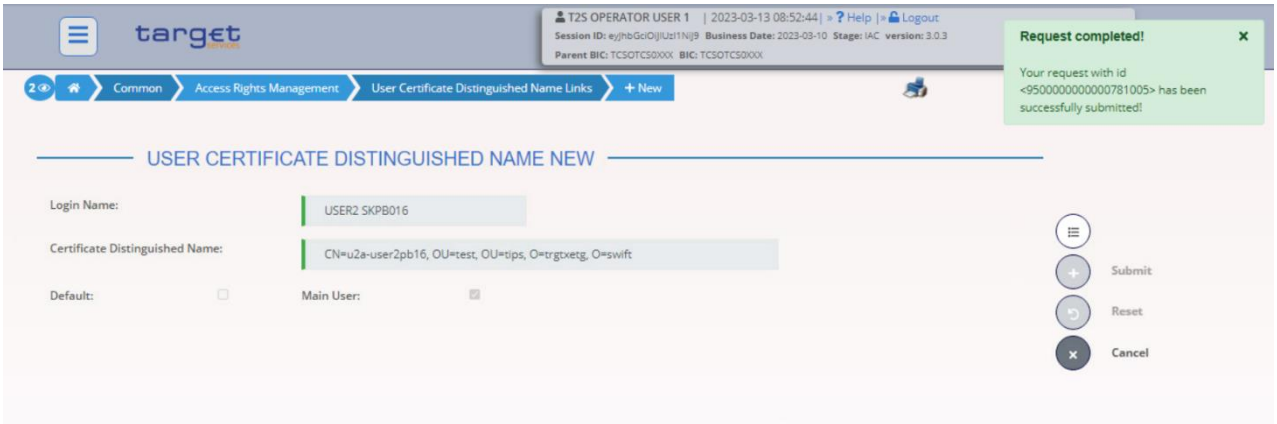
- Go to the *Common / Access Rights Management / Grant/Revoke Roles / Search* screen and select the Role to be granted. Then click on the ***Search*** button
- Select one or multiple Users on the left side of the screen, then click on the upper arrow.
- The Role has been granted to the Users

1.2.4 Create a User Certificate Distinguished Name Link for the new User

- Go to the *Common /Access Rights Management/ User Certificate Distinguished Name Links/ New* path and click on the ***New*** option. As an alternative path, go to the *Common / Access Rights Management / User Certificate Distinguished Name Links / Search* screen and click on the ***New*** button. Then insert the Login name of the User and the Certificate Distinguished Name you have created, then click on the ***Submit*** button[17].

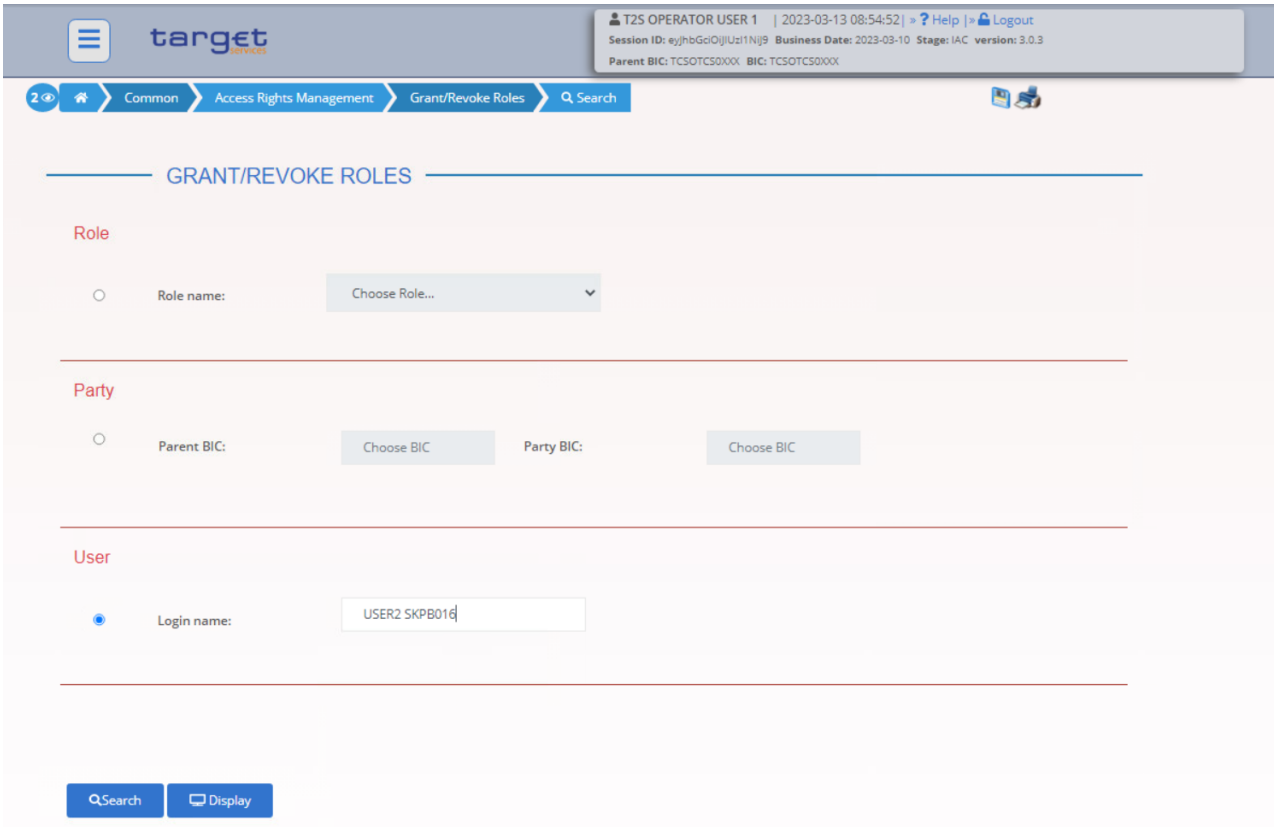
- **If the DN has not been flagged as Main User, the user will not be able to see TIPS GUI menu**

[17] DNs can be linked, via User-Certificate DN Links with Main User flag set to TRUE, to multiple Users. These Users can belong to different Payment Bank parties, but there can be only one User for each Payment Bank that is the Main User for a specific DN.

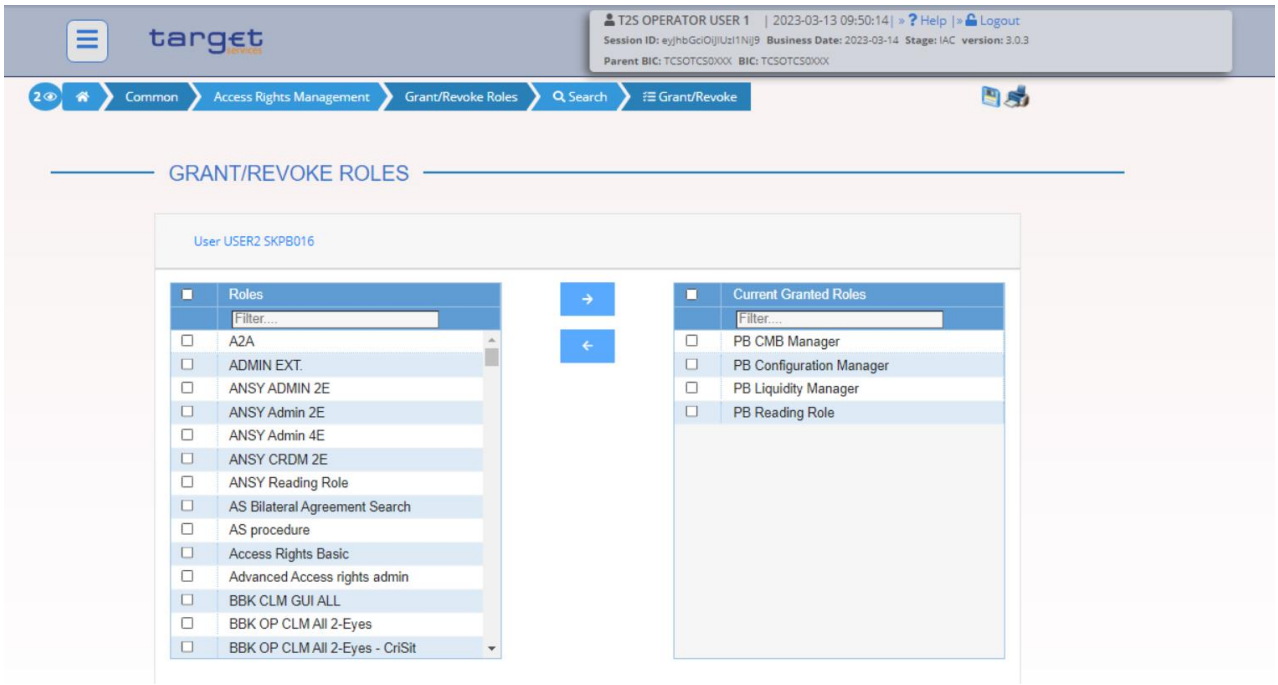


1.2.5 Grant Privileges via Roles to the User

- Go to *Common / Access Rights Management / Grant/Revoke Roles / Search* screen, select the Login name Radio button and choose the newly created user from the drop down menu, then click on the ***Search*** button.



- Grant to the user the appropriate Roles

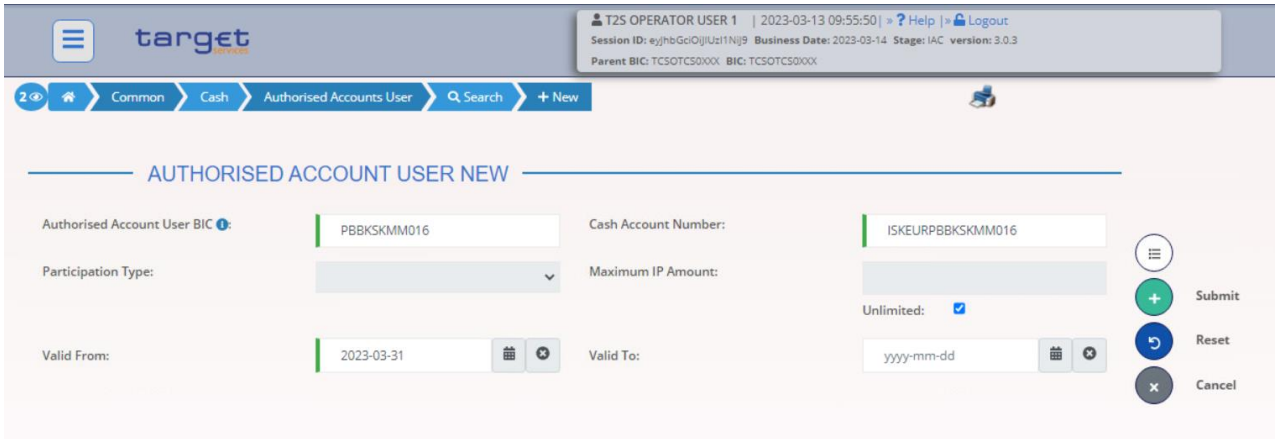


Alternatively, to grant the same Role to more Users at the same time:

- Go to the *Common / Access Rights Management / Grant/Revoke Roles / Search* screen and select the Role to be granted. Then click on the ***Search*** button
- Select one or multiple Users on the left side of the screen, then click on the upper arrow.
- The Role has been granted to the Users

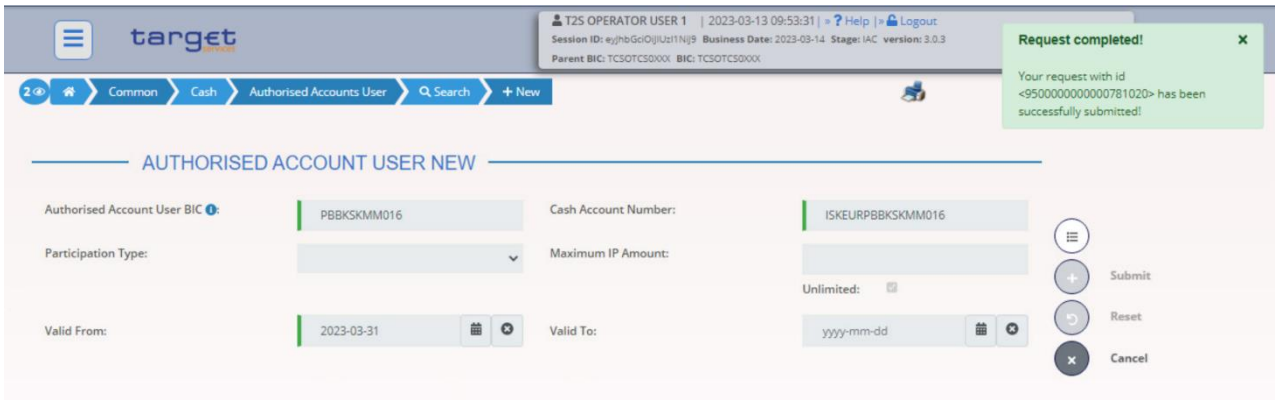
1.2.6 Define an AAU for the Dedicated Cash Account or Ancillary System Technical Account

- Go to the *Common / Cash / Authorised Account User / New* path and click on the ***New*** option.
  As an alternative path, go to the *Common / Cash / Authorised Account User / Search* screen and click on the ***New*** button.
- Insert the data as shown in the screenshot below.



- The AAU has been created.

- **<u>Please remember that BIC PBBKSKMM016 cannot be authorised for any other Account or CMB in the same validity period, while Account ISKEURPBBKSKMM016 can have more Accounts defined as AAU.</u>**



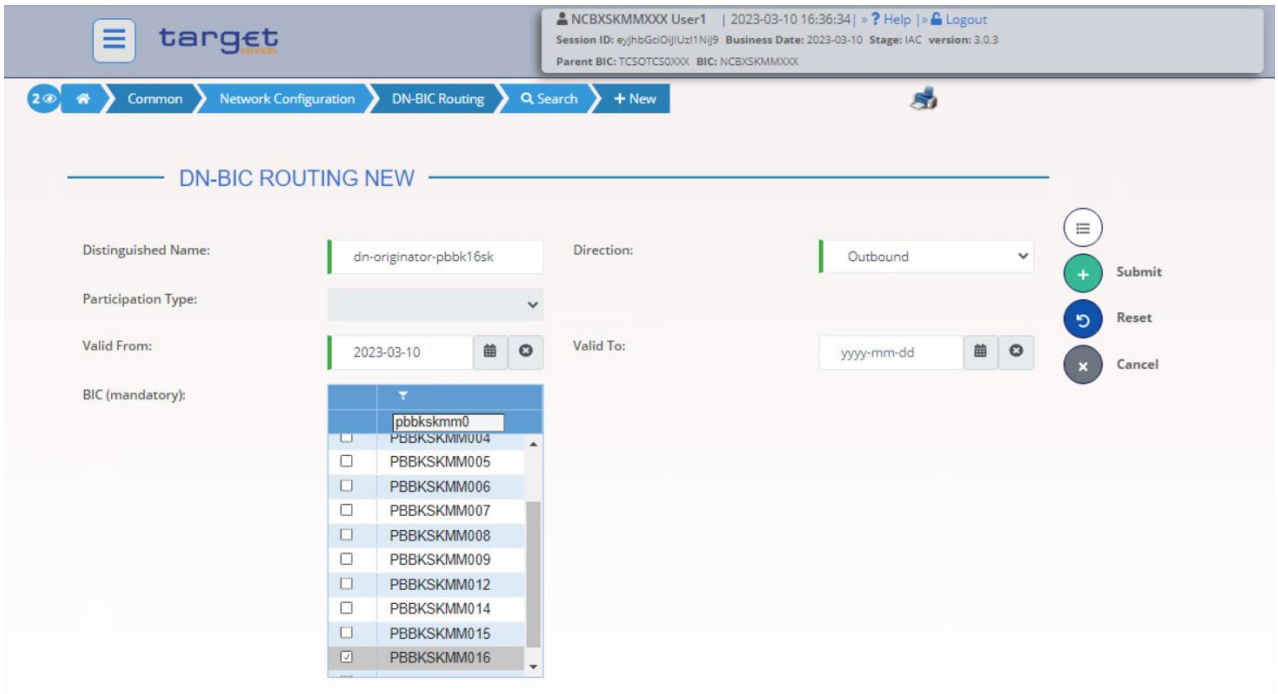
1.2.7 Define a DN-BIC Routing configuration for the AAU

- Go to the *<u>Common / Network Configuration / DN BIC Routing / New</u>* path and click on the ***New*** option. As an alternative path, go to the *<u>Common / Network Configuration / DN BIC Routing / Search</u>* screen and click on the New button.
- Define the data as shown in the screenshot below and click on the ***Submit*** button.

- **<u>This configuration is needed both to define DNs authorised to instruct payments and DNs authorised to receive payments on the Beneficiary side.</u>**

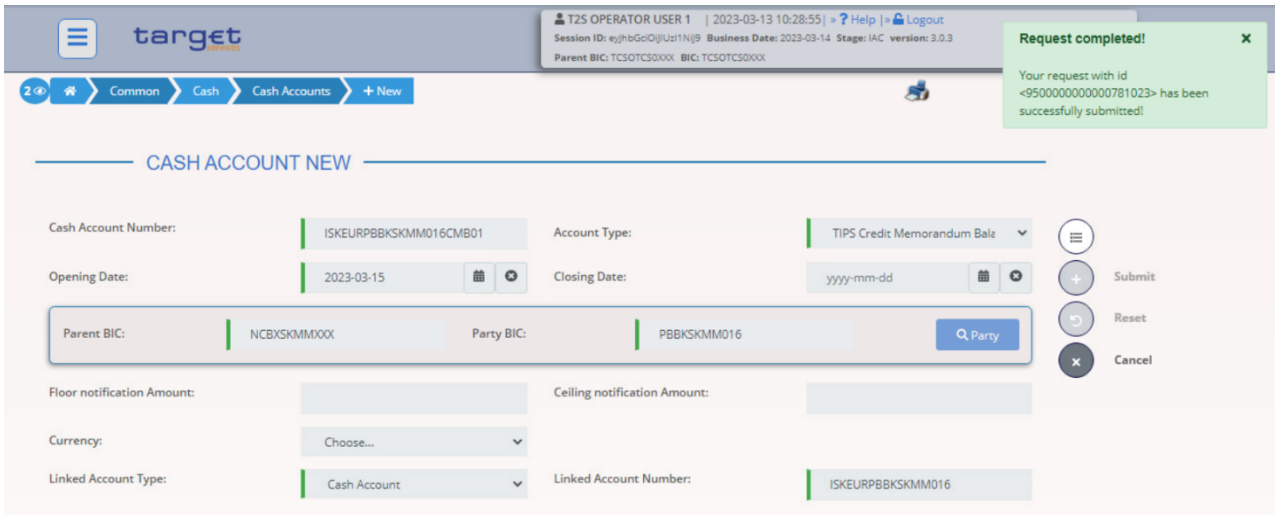
- **<u>Please consider that in case the Direction is Outbound there can be only one Distinguished Name linked to a specific BIC11 for a certain validity period. Please remember also that the BIC (mandatory) field only shows BIC that have an AAU already set.</u>**

- **<u>Moreover, the Distinguished Name must be linked via a User-Certificate DN link to an A2A user belonging to the party BIC used for the routing.</u>**



1.2.8 Define a CMB on a Cash Account

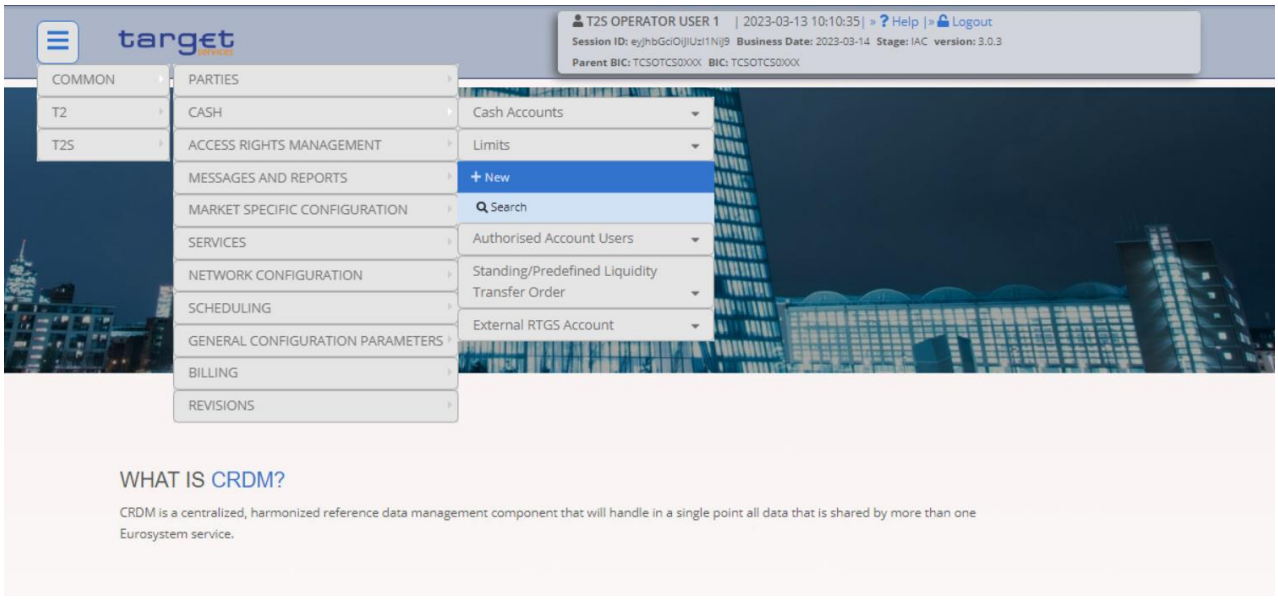
- The definition of a CMB is not mandatory, however, if a CMB has been created, then the relevant Limits have to be defined too (see also next step).
- Login as non-administrator user USER2 SKPB001 and go to the *TIPS / Cash / Cash Accounts / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Cash / Cash Accounts / Search* screen and click on the ***New*** button.
- Define the new CMB under Cash Account ISKEURPBBKSKMM016 (whose Owner is the TIPS Participant) as shown on the screen below. Please remember that the Opening and Closing dates of the CMB cannot exceed the Validity dates of the Linked Account. CMB owner is TIPS Participant NCBXSKMMXXX/PBBKSKMM016.
- **Moreover, in order for a CMB to be propagated to TIPS, its Opening Date must be equal to the business date following the one in which it is created, at the earliest; this is despite the fact that CRDM allows the Opening Date to be set to the current business date at the moment of the creation.**



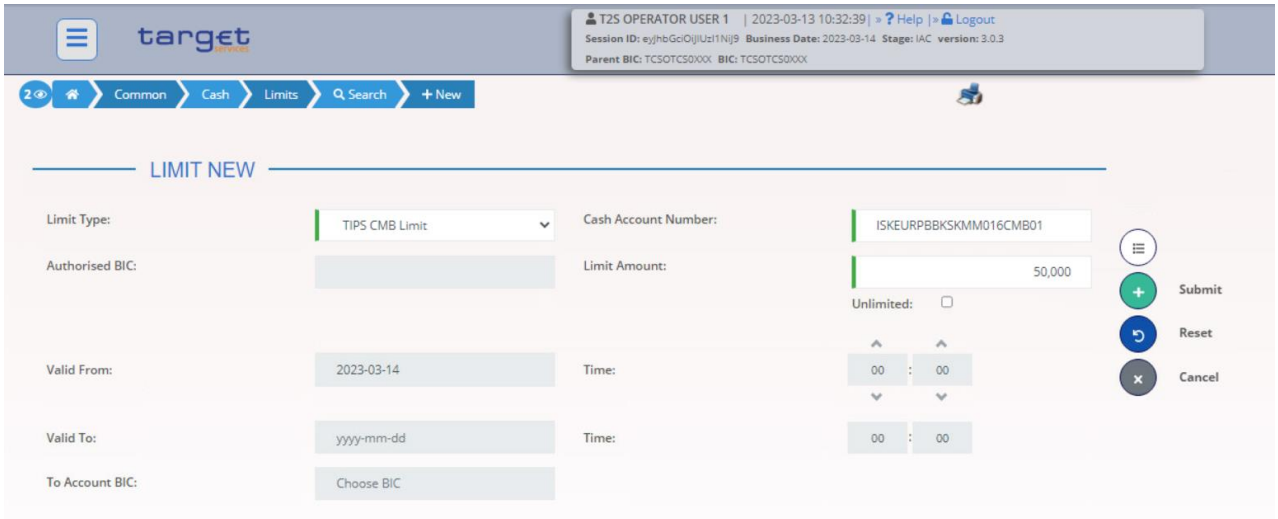
1.2.9 Define a Limit on the CMB

- The definition of a Limit is not mandatory, however, **if a CMB has been created, then the relevant Limits have to be defined too** (see also next step).

- Go to the *TIPS / Cash / Limits / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Cash / Limits / Search* screen and click on the ***New*** button



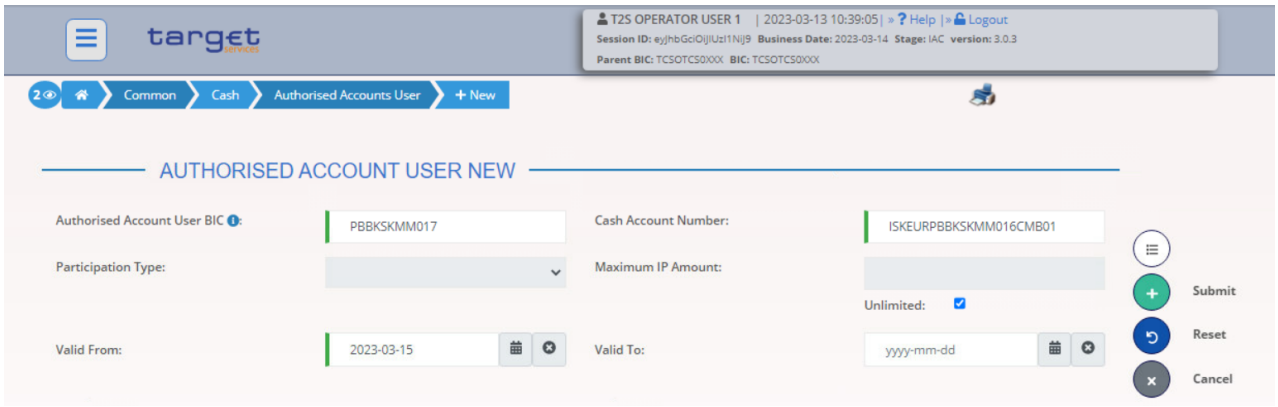
- Insert the needed data as shown in the screenshot below, then click on the ***Submit*** button.
- **Please remember that in order to migrate the CMB data on TIPS (if the CMB has been created) it is compulsory to define a Limit.**
- In case the CMB must be unlimited, dedicated flag need to be selected as alternative to Limit Amount definition.



1.2.10 Define the Reachable Party as AAU for the CMB

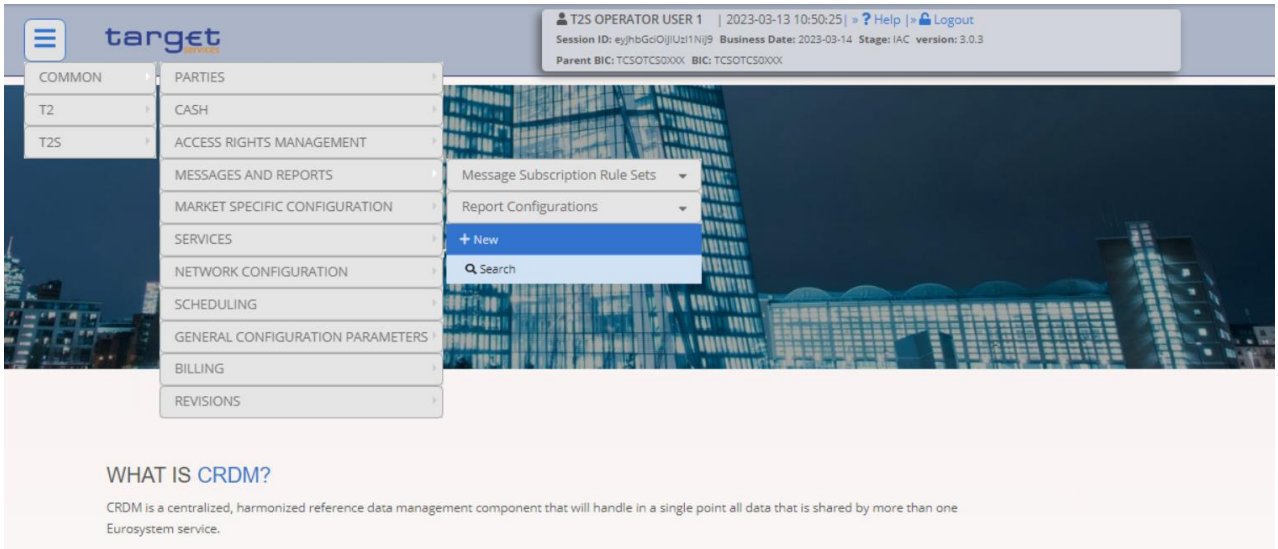
- Go to the *TIPS / Cash / Authorised Accounts User New* path and click on the ***New*** option.
  As an alternative path, go to the *Common / Cash / Authorised Account User / Search* screen and click on the ***New*** button.

- Insert the BIC of the AAU (in this case it's the BIC11 of the Reachable Party), the Cash Account number (in this case the CMB created in previous steps), then click on the ***Submit*** button.
  Please remember that each BIC11 can be linked to only one TIPS Account or CMB.

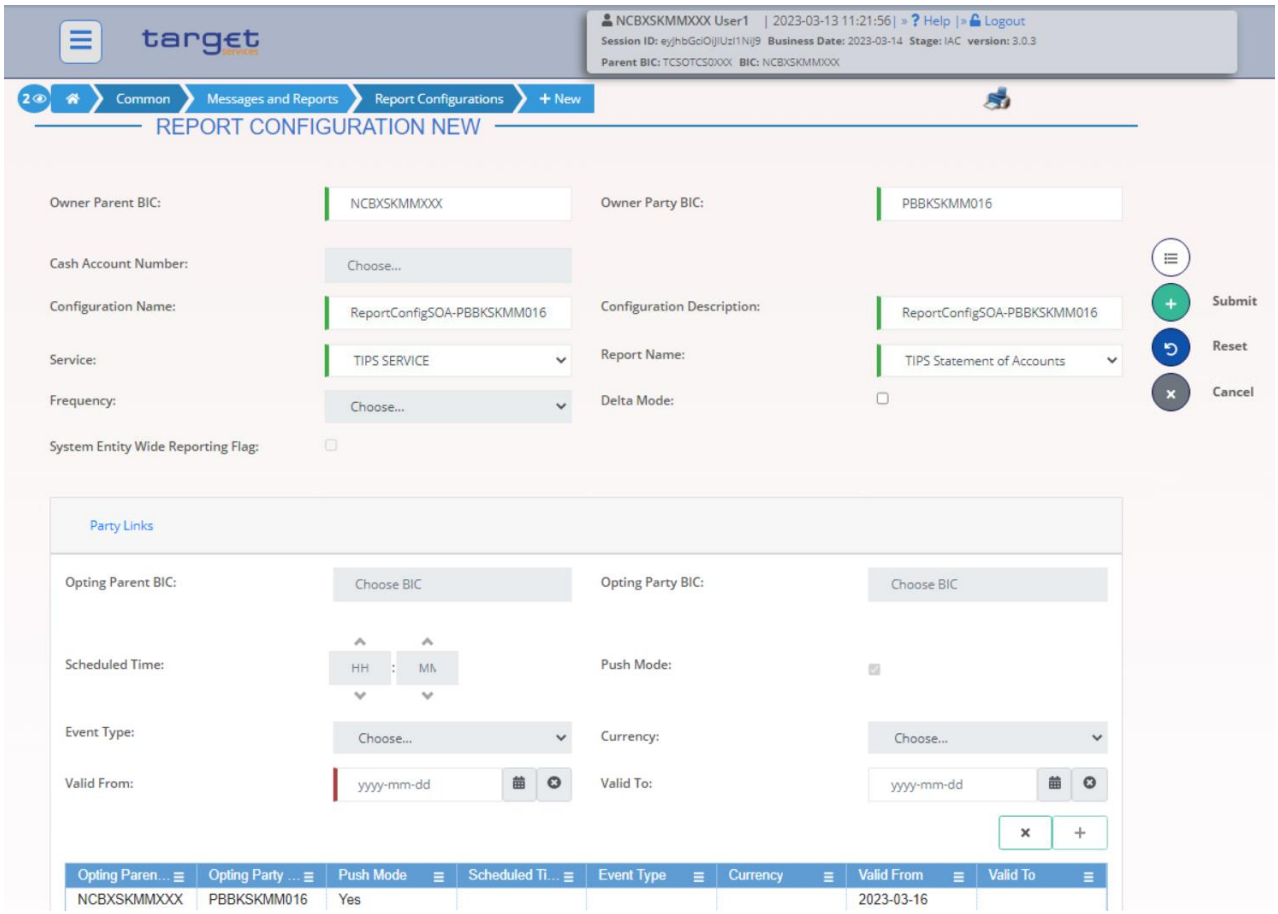


1.2.11 Define a Report Configuration for the TIPS Participant or Ancillary System

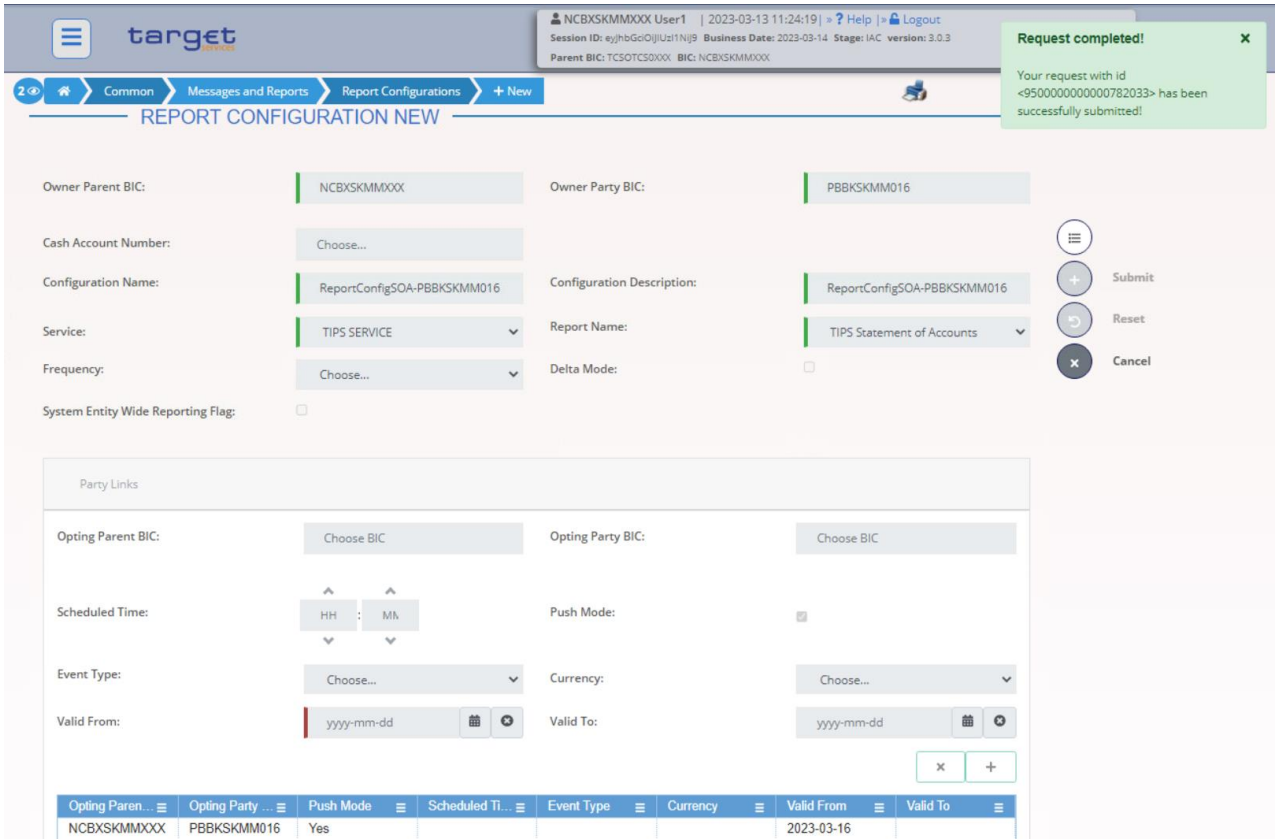
- This step is optional (based on the actor needs)
- Go to the *Common / Messages and Reports / Report Configurations / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Messages and Reports / Report Configurations / Search* screen and click on the ***New*** button
  You can create configuration for the following types of reports: TIPS Statement of Accounts, TIPS Statement of Account Turnover, TIPS Directory and TIPS Directory Update.
  TIPS Actors who created a Report Configuration for TIPS Directory (either full and delta version) will receive only the records related to the currency of the Central Bank to which the TIPS Actor belongs to. Please note that the Routing configuration is needed for the TIPS Actor in order to correctly receive a configured Report.



- Insert the requested data as per screenshot below. It is worth highlighting that as a TIPS Participant user or Ancillary System user you can create a Report configuration for your Party only.

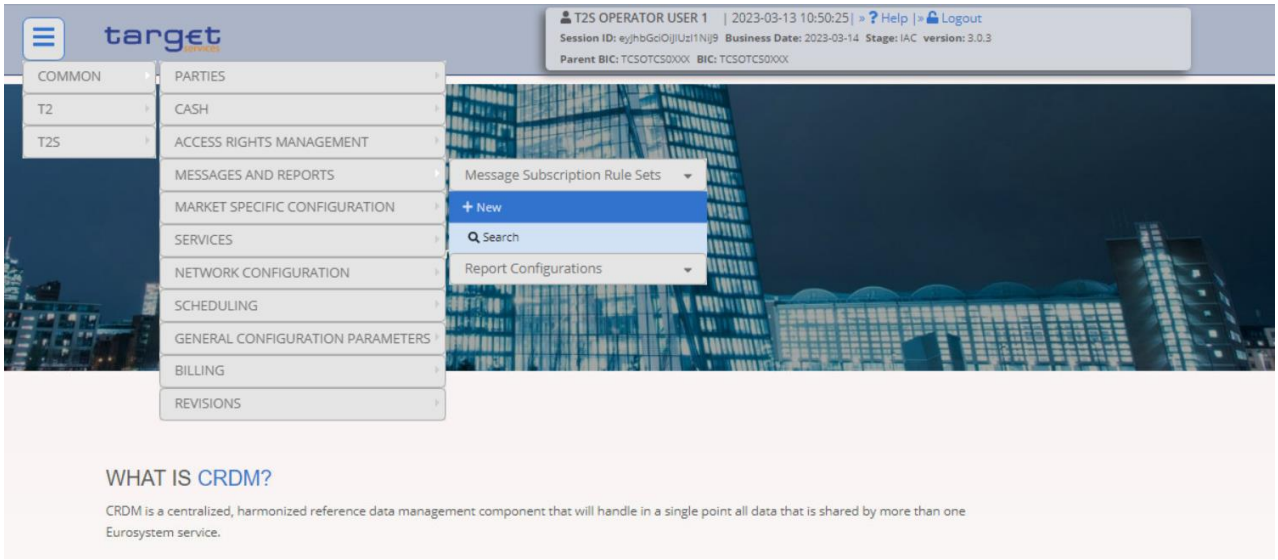


- The Report configuration has been created successfully.

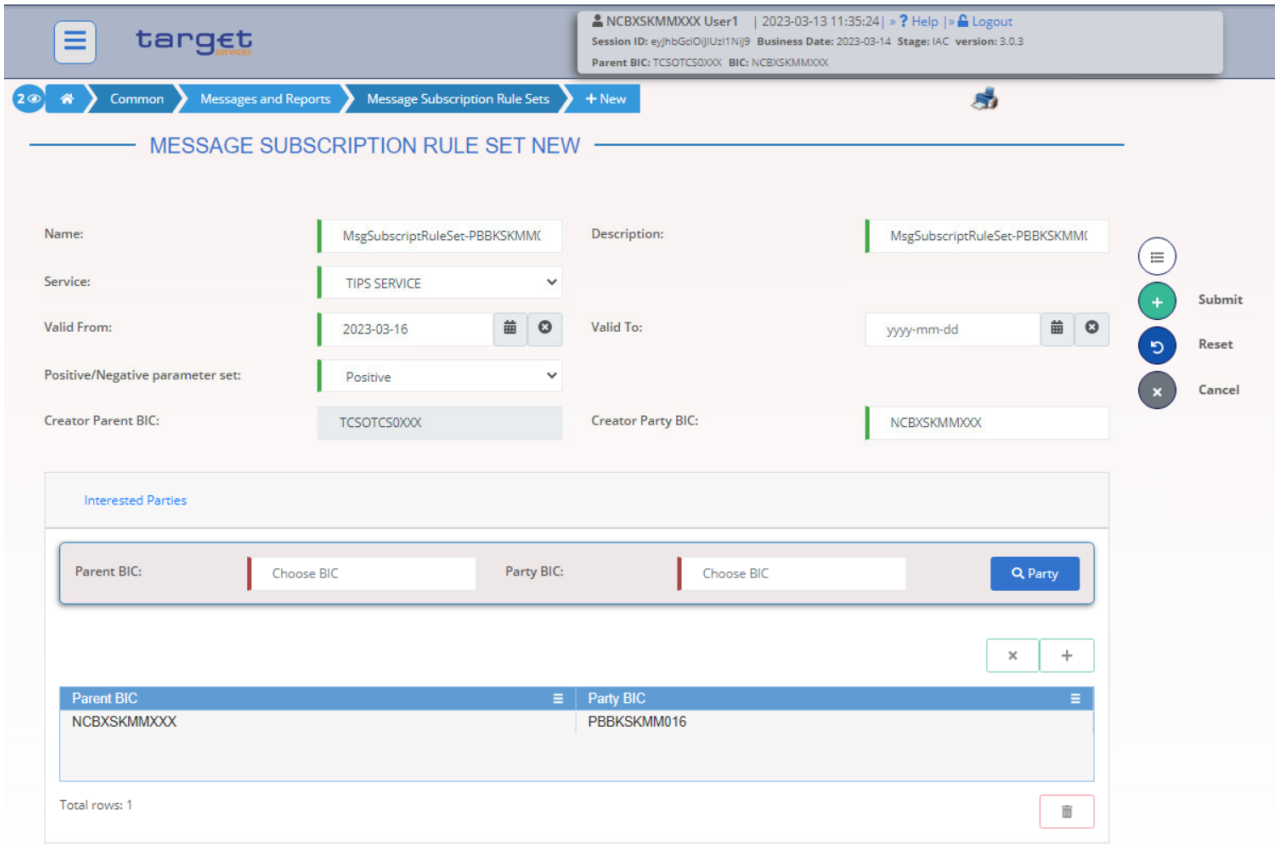


1.2.12 Define a Message Subscription Rule Set/Rule for the TIPS Participant or Ancillary System

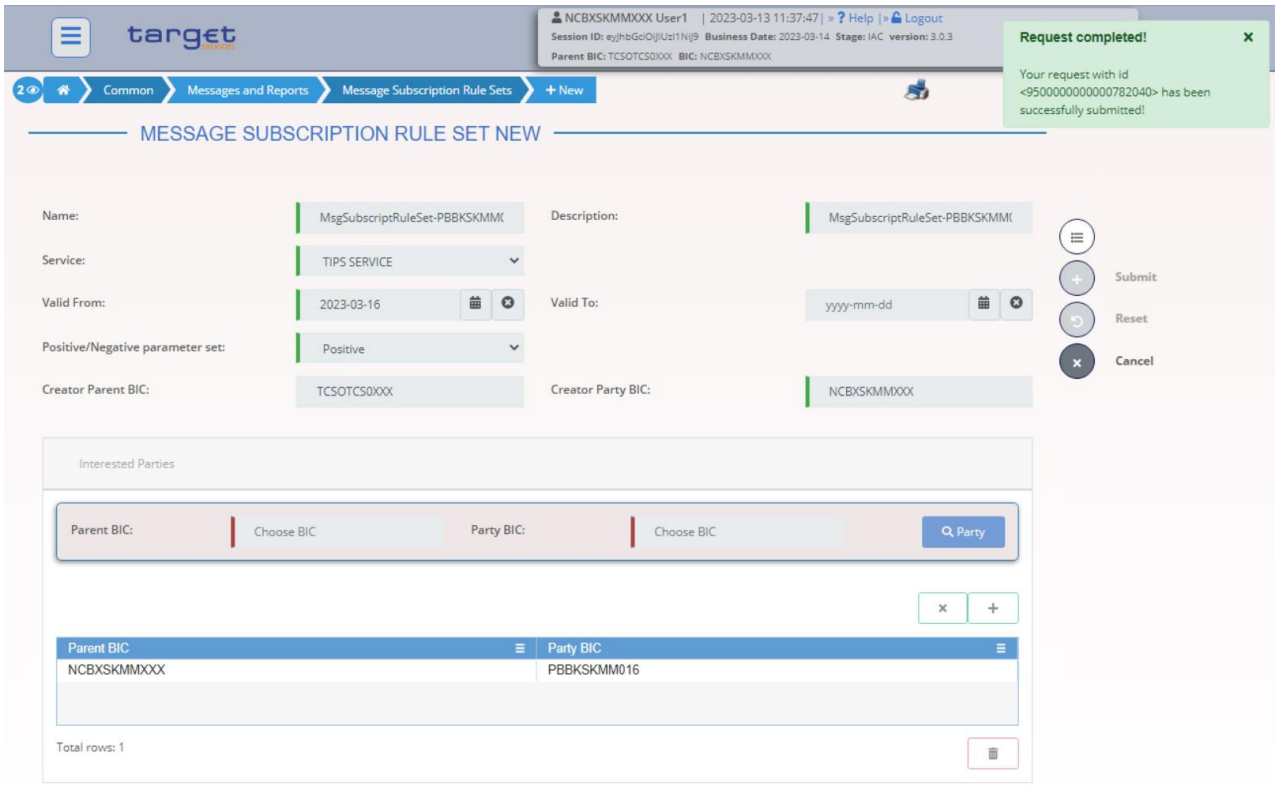
- This step is optional (based on the actor needs)
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button. As an alternative path, go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen and click on the ***New*** button.



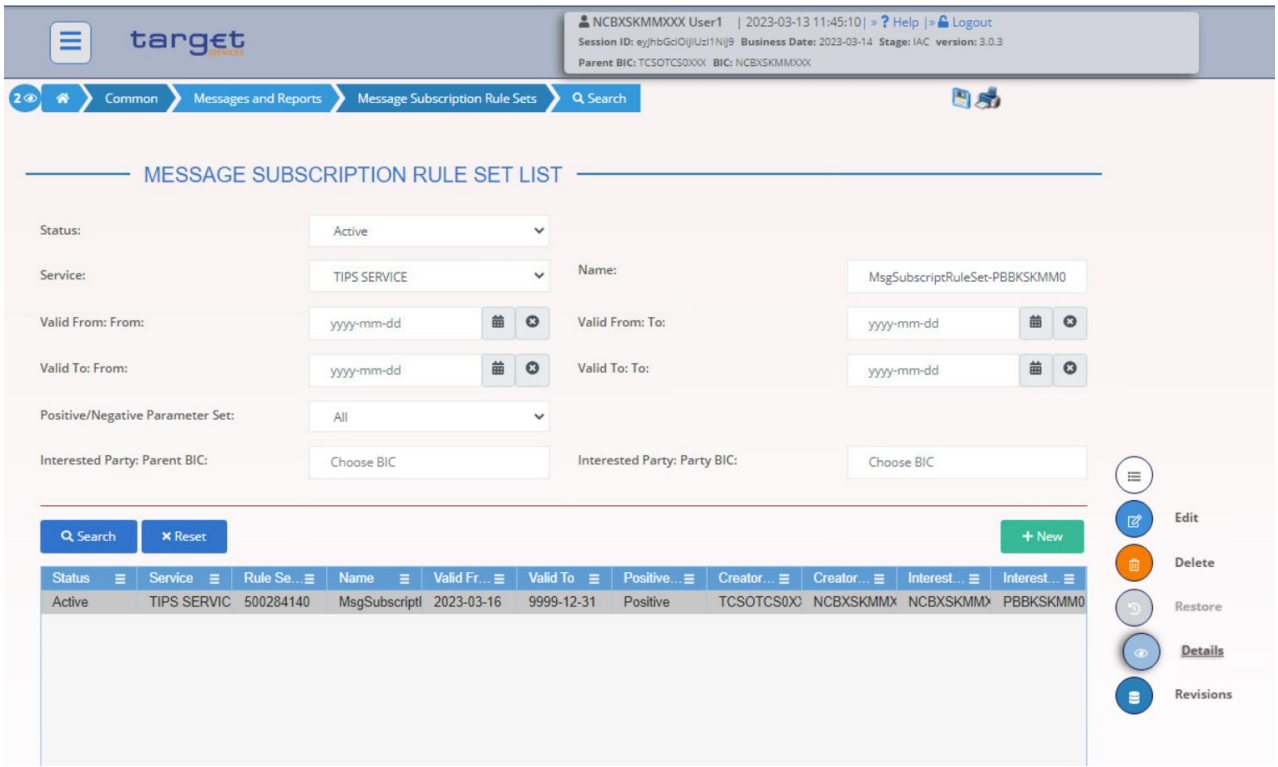
- Enter all the relevant data



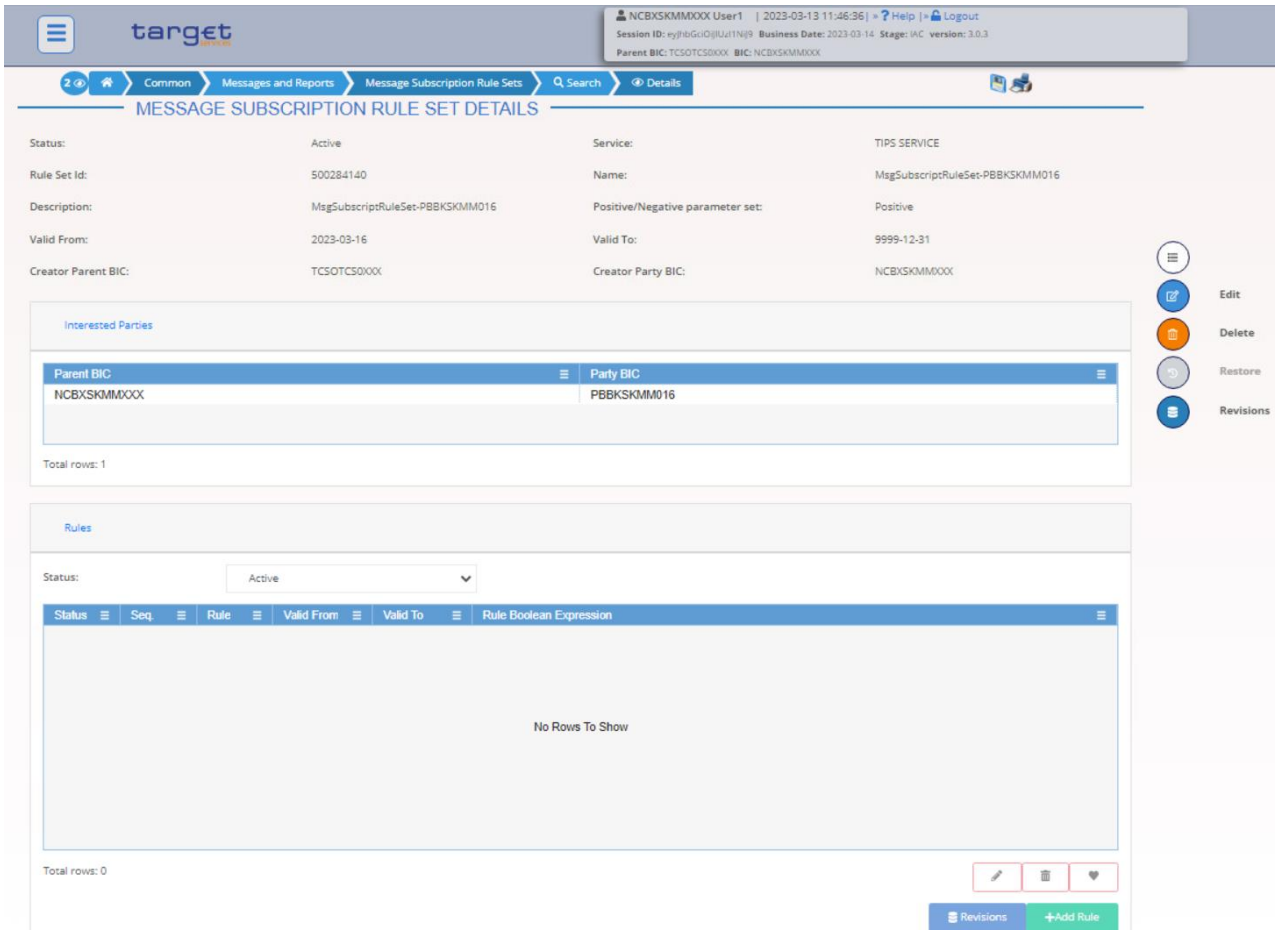
- The Message Subscription Rule Set has been created for TIPS Participant.



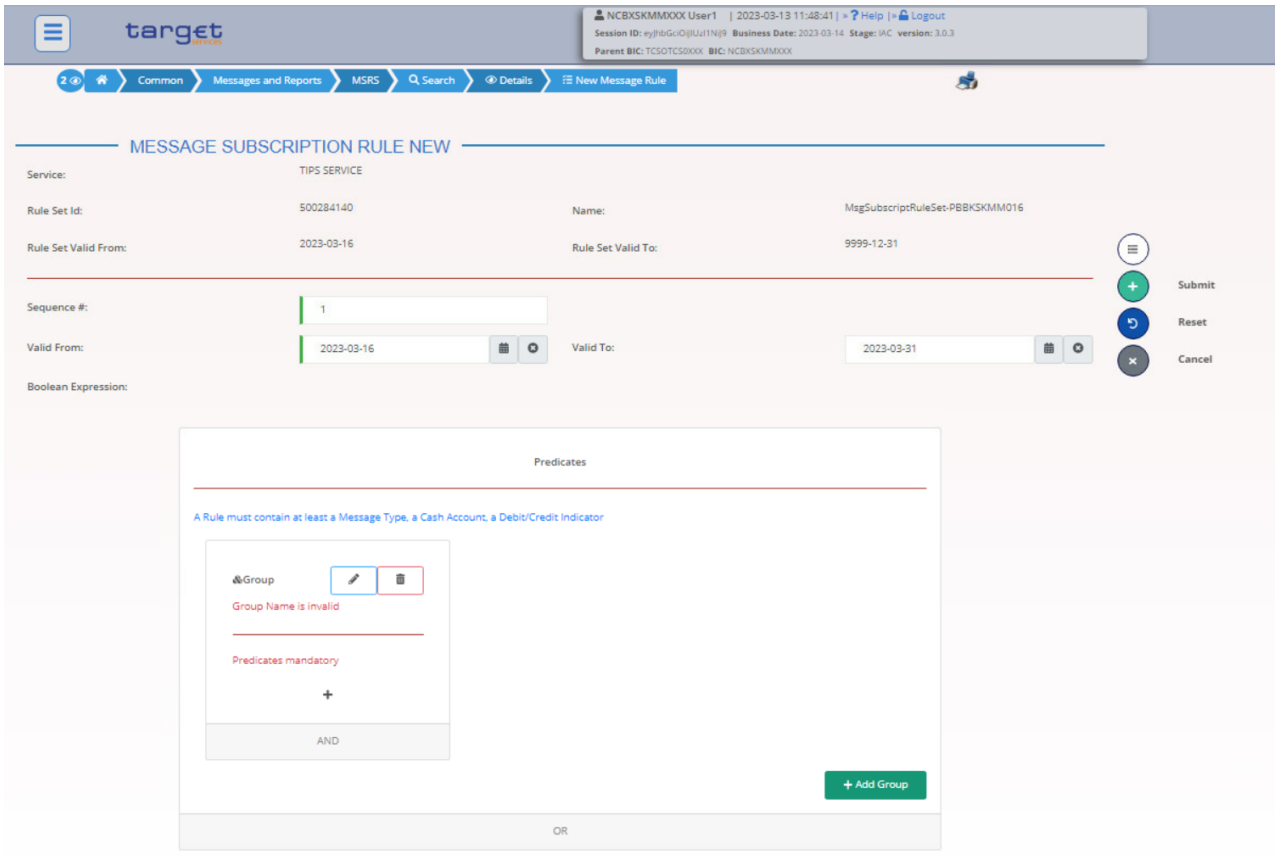
- Go to the *Common / Messages and Reports / Message Subscription Rule Sets / Search* screen, search for the newly created Message Subscription Rule Set and click on the ***Details*** button.



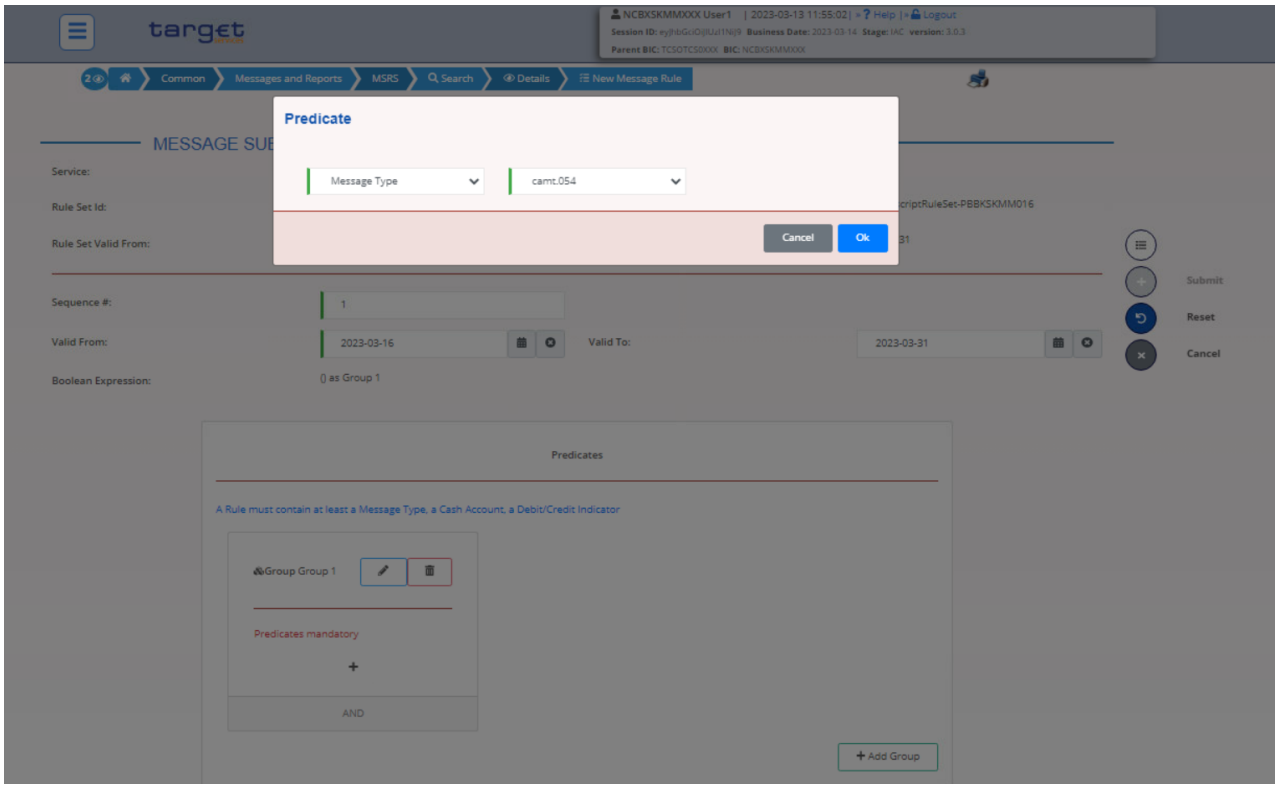
- Click on the ***Add rule*** button under section ***Rules***

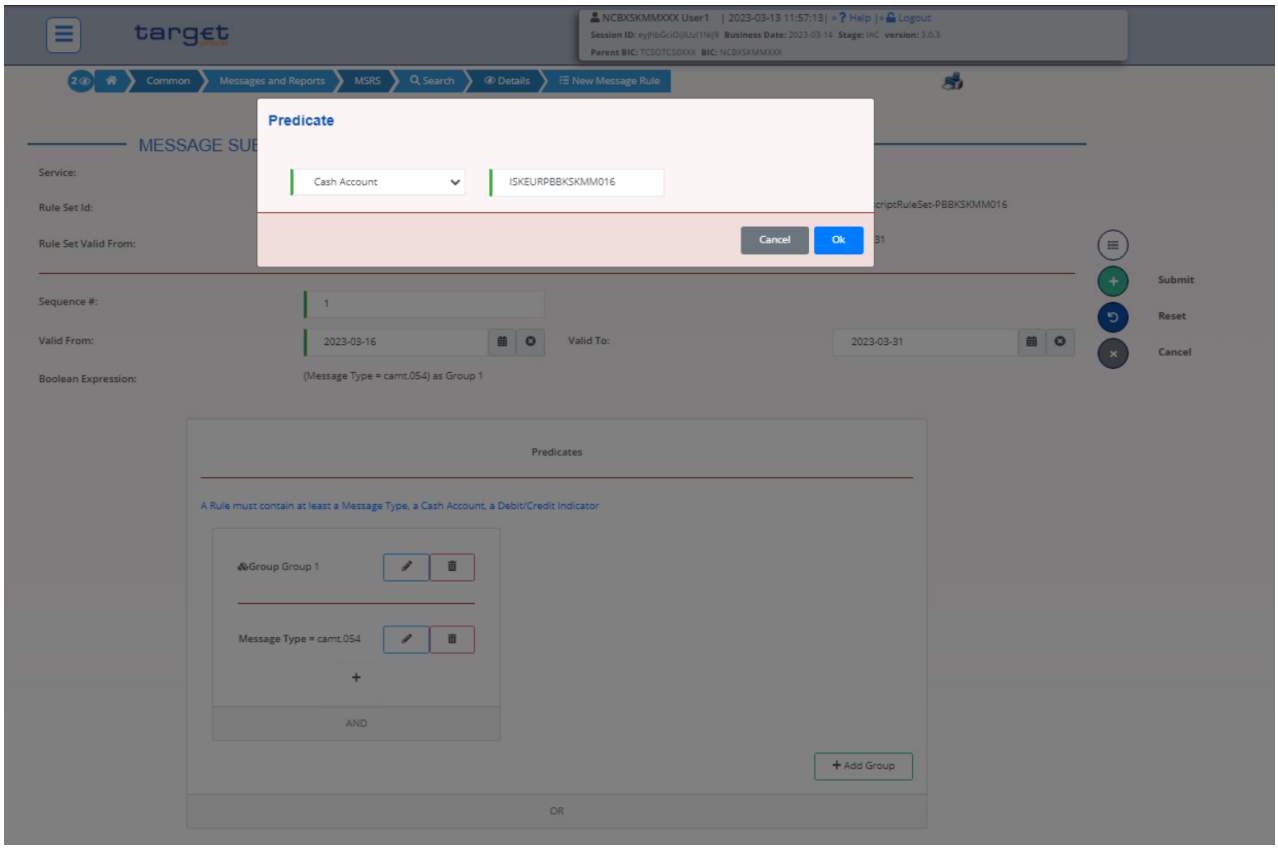


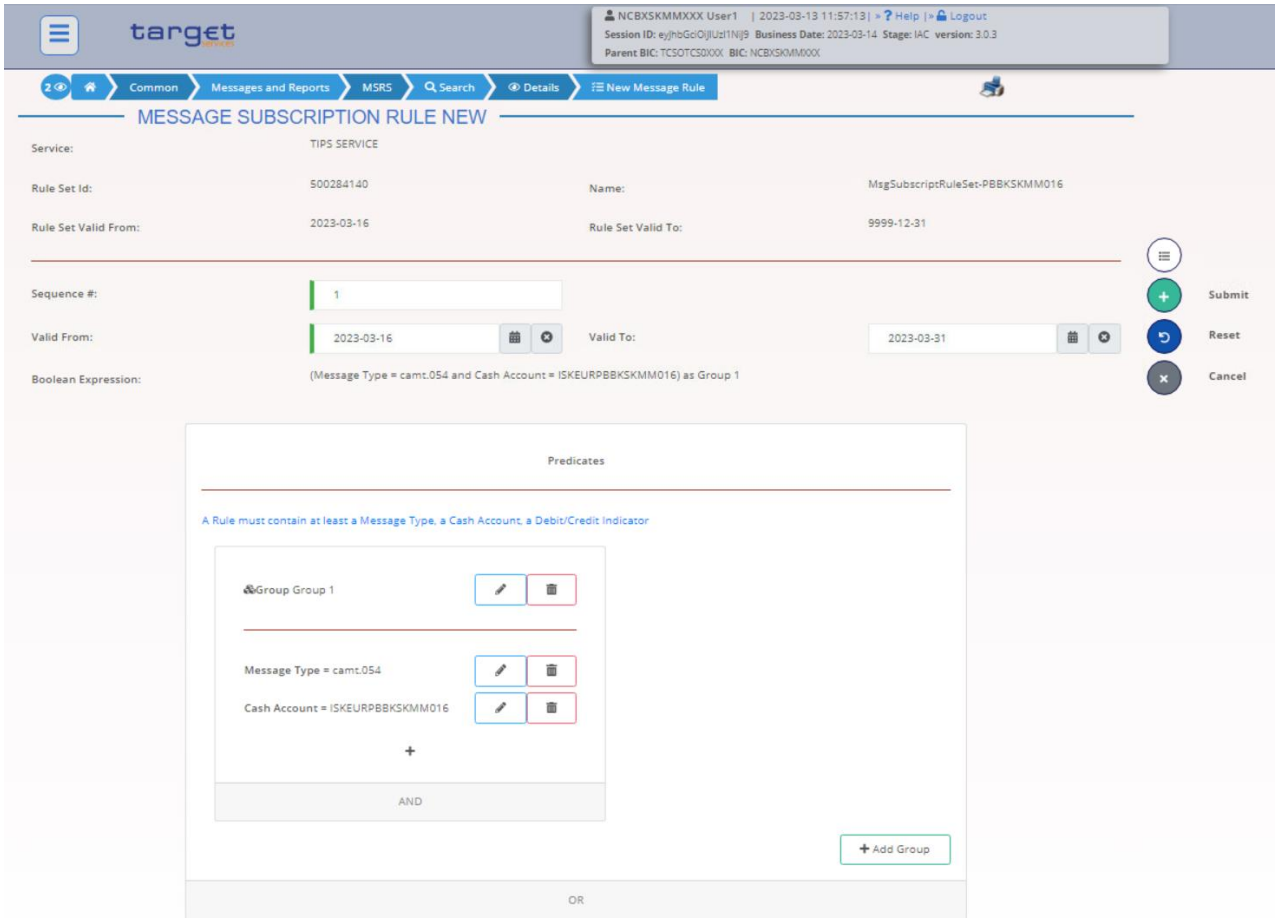
- Then add the Sequence, *Valid from* and *Valid to* values, then click on the ***Add Group*** button.



- Define the ***Group*** name and then Click on the ***+*** icon. Then choose the Message type and the Cash Account from the drop down menu and click on the ***Ok*** button <u>each time</u>.

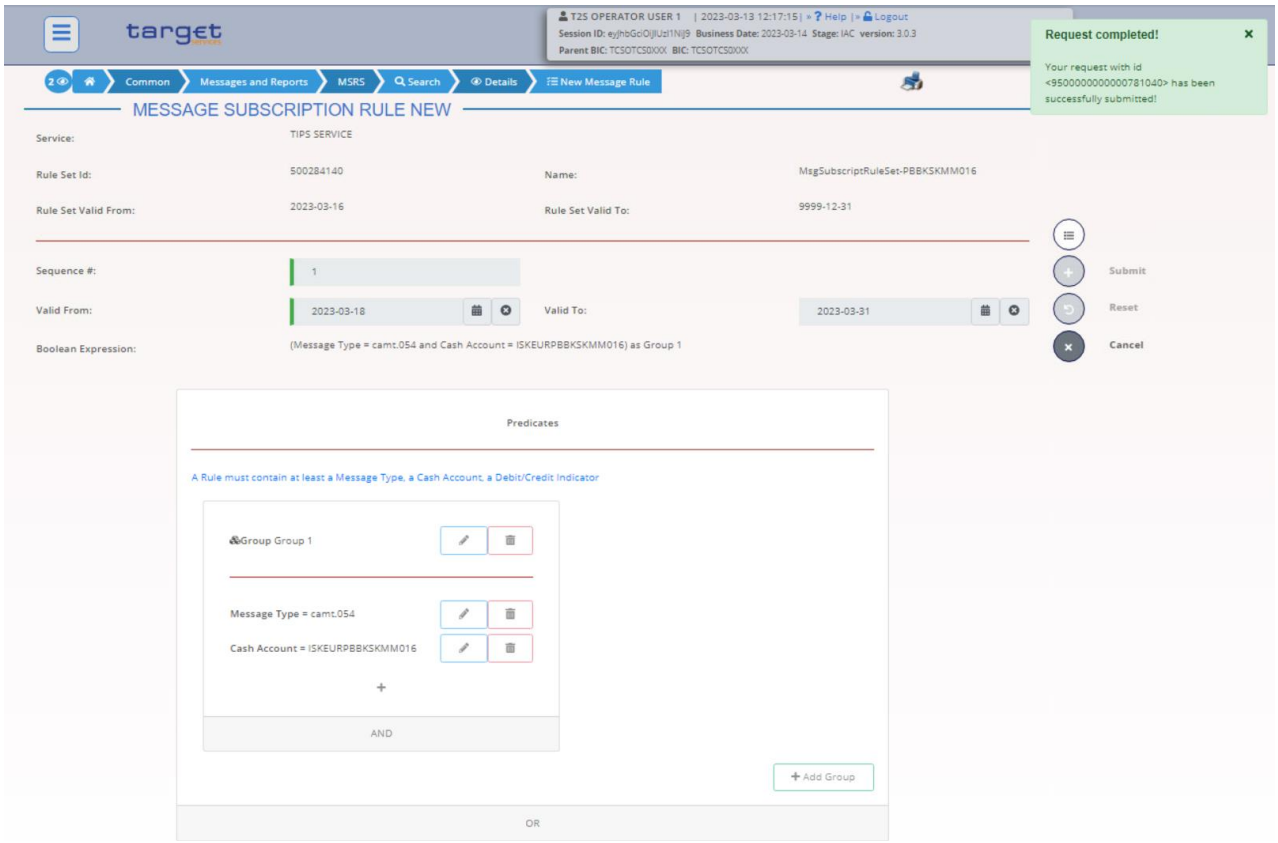






- Click on the ***Submit*** button.

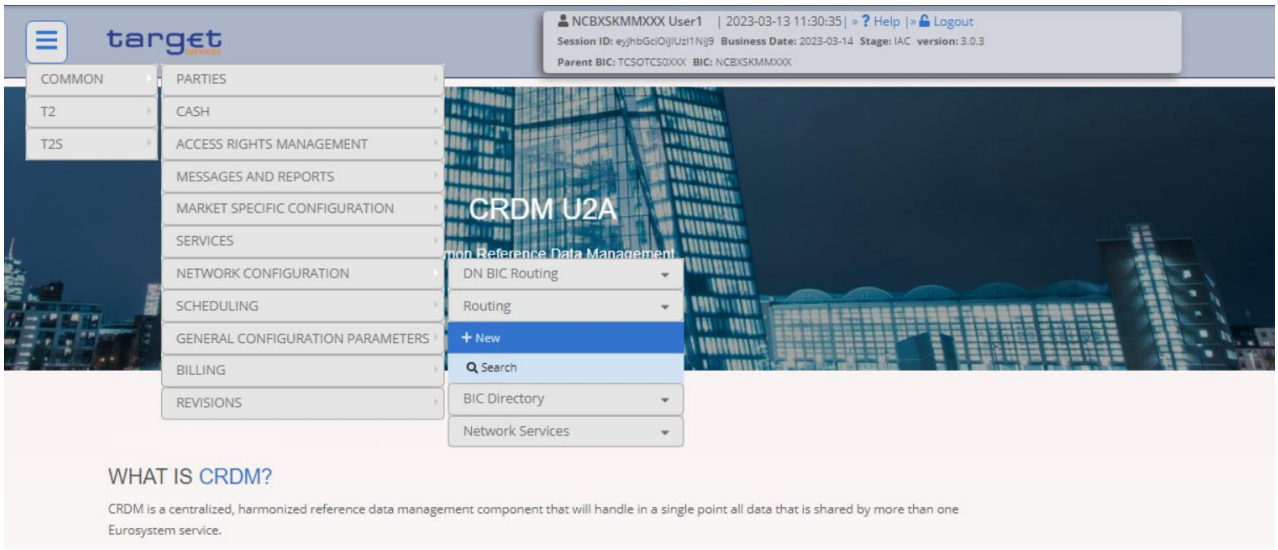
- The Message Subscription Rule has been created. TIPS Participant NCBXSKMMXXX/PBBKSKMM016 will now receive payment notifications for the Cash Account ISKEURPBBKSKMM016 for which it is the owner.



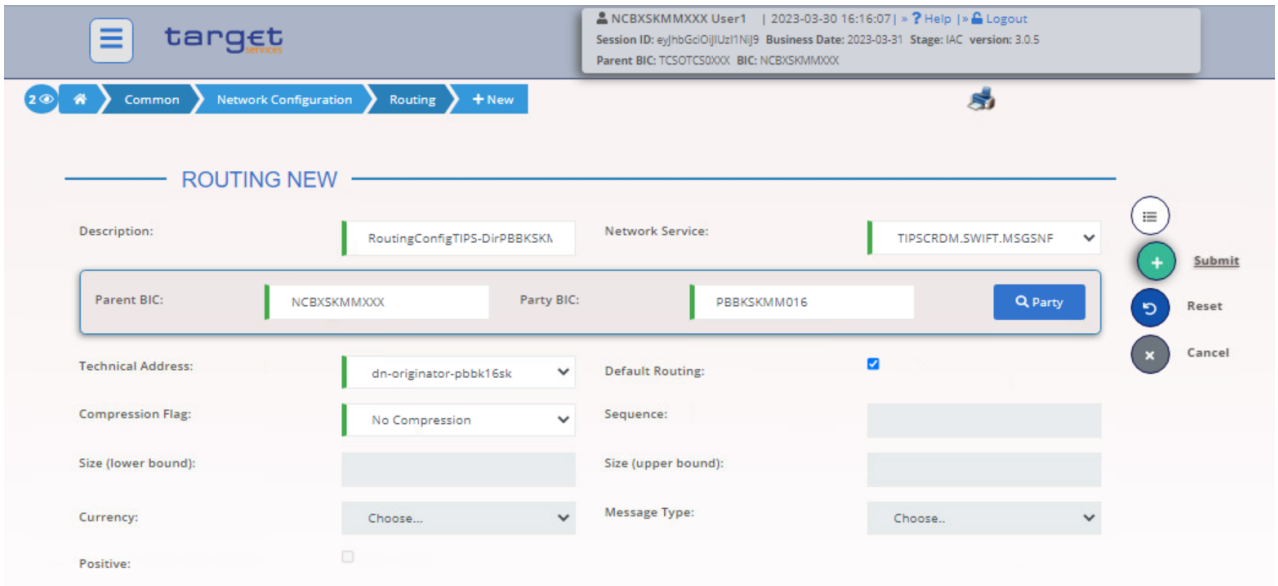
1.2.13 Define a Routing configuration for the TIPS Participant or Ancillary System

- This step is optional (based on the actor needs)
- Go to the *Common / Network Configuration / Routing / New* path and click on the ***New*** option. As an alternative path, go to the *Common / Network Configuration / Routing / Search* screen and click on the ***New*** button.
- Each Party can define a *default* routing configuration that is used when no specific routing conditions are defined for the same party and for a specific outgoing message (via *conditional* routing).
- Each *Routing* configuration enables the outbound communication for a Party via the relevant *Party Technical Address* and *Network Service*.

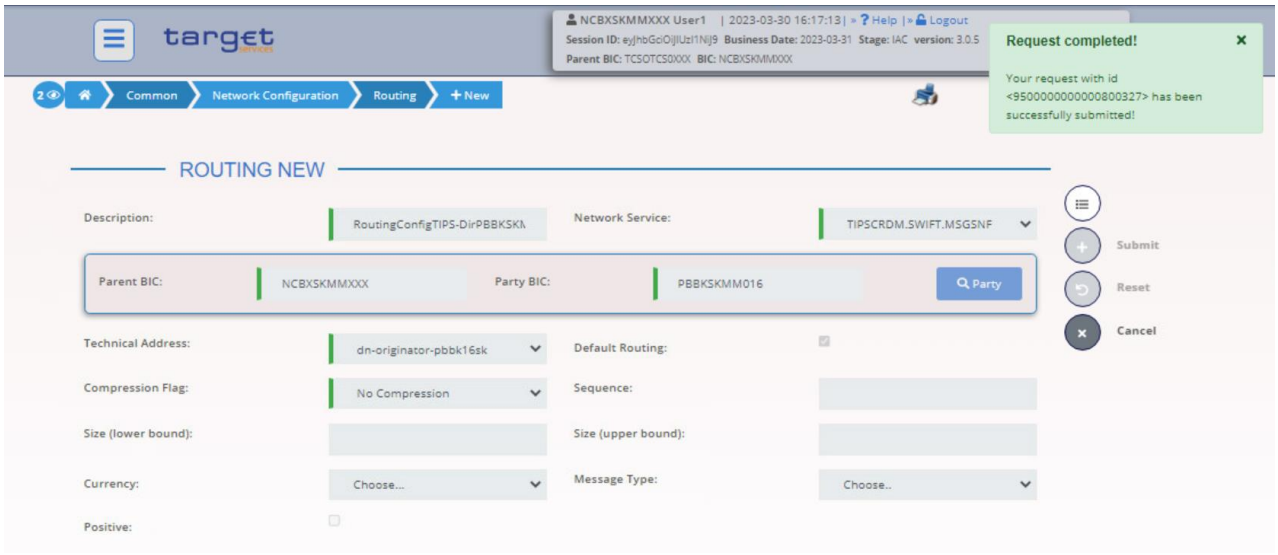
  Two separate default Routing configurations linked to TIPSCRDM.XXX.MSGSNF (and TIPSCRDM.XXX.FILESNF) Network Service are needed for the TIPS Actor in order to correctly receive a configured Report/Repository that is sent by CRDM common component (i.e. TIPS Directory)



- Insert the requested data as per screenshot below. It is worth highlighting that as a TIPS Actor user you can create a *Routing* configuration for your *Party* only. When the *Network Service* is selected, a *Technical Address* will be included in the list of selectable items only if it is defined as *Party Technical Address* and linked to the specific *Network Service* via TANSL (*Technical Address-Network Service Link*) in the related *Party* configuration (see Section 1.1.1.)



- The Routing configuration has been created successfully.


target
NCBXSKMMXXX User1 | 2023-03-30 16:17:13 | Help | Logout
Session ID: eyJhbGciOiJIUzI1NiJ9 Business Date: 2023-03-31 Stage: IAC version: 3.0.5
Parent BIC: TCSOTCS0XXX BIC: NCBXSKMMXXX
Request completed!
Your request with id <950000000000800327> has been successfully submitted!
Common
Network Configuration
Routing
+ New
ROUTING NEW
Description:
RoutingConfigTIPS-DirPBBKSKN
Network Service:
TIPSCRDM.SWIFT.MSGSNF
Parent BIC:
NCBXSKMMXXX
Party BIC:
PBBKSKMM016
Party
Technical Address:
dn-originator-pbbk16sk
Default Routing:
Compression Flag:
No Compression
Sequence:
Size (lower bound):
Size (upper bound):
Currency:
Choose...
Message Type:
Choose..
Positive:
Submit
Reset
Cancel

Annex 1 – Central Bank roles

All Roles are now included in the list of Roles for Central Banks and Account Holders.