

Xetra[®] Release 9.0

Security Administration Manual

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1 Introduction

1.1 Objective of the Document

This document serves as a guideline for Xetra security administrators to establish and administer user rights. It describes the authorization concept of Xetra and its implementation into the Xetra system.

With Xetra Release 2.0 an authorization concept was introduced, which has been extended in the following software releases. The authorization concept describes rights and functionalities, which can be assigned to a single user in Xetra (a right on user level can only be granted if the corresponding right on member level is available).

The authorization of a user is designed as a two-stage procedure. In the first stage the exchange assigns necessary access rights to each Xetra member. Afterwards, the member can determine the access rights of each user individually.

The authorization concept comprises the following areas:

- Assignment of securities
- Assignment of system resources (e.g. order entries, inquiry users)
- Assignment of special trading licenses (Designated Sponsor, Liquidity Manager, Best Executor, Issuer, Specialist)
- Assignment of trading accounts (A, P, D, Q, E, I, L)
- Assignment of Default BEST Executor service
- Assignment of a default settlement account
- Definition of a maximum order value
- Hierarchic classification of traders

The Xetra authorization concept is closely related to the group concept, which describes the segmentation of instruments and users into instrument groups¹ and user groups. This procedure influences the tasks of a security administrator in two ways. On the one hand, he has to administer user groups. On the other hand, it allows an efficient management of a large number of users and instruments and simplifies the assignment of access rights.

The document is subdivided as follows. Chapter 2 provides a detailed description of the Xetra authorization concept. Thereby, the tasks and duties of security administrators, the assignment of instrument groups as well as the set up of user groups and the different types of user access rights are explained. Chapter 3 contains an example, which illustrates the multiple exchange capability of the application. Furthermore, it describes all necessary steps to register a new user and to assign the necessary access rights. Finally in chapter 4 examples for the various users as well as a short overview of the user setup process are given.

¹ Not relevant for the new trading models "Continuous Auction with Issuer" and "Continuous Auction with Specialist"

1.2 Changes with Xetra Release 9.0

With the introduction of Xetra Release 9.0 the following changes, concerning the scope of this document and affecting especially the member's security administrator, arise:

- Continuous Auction trading models

With Xetra Release 9.0 two new trading models "Continuous Auction with Issuer" and "Continuous Auction with Specialist" are introduced whereby the trading models "Continuous Auction for High Quotation Volume" and "Continuous Auction for Standard Quotation Volume" are discontinued. These changes in the trading models also imply a rearrangement of the Issuer and the Liquidity Provider roles. I.e., the discrete role of the Liquidity Provider does not longer exist while the Issuer role is modified and reused within the "Continuous Auction with Issuer" model and together with a newly introduced Specialist role in the "Continuous Auction with Specialist" trading model for structured products. In the second model the Specialist may use the Liquidity Provider account to add additional liquidity to the market.

Besides this for both new trading models no instrument group assignments on trader subgroup level are necessary. The instrument groups are automatically assigned to all market participants.

2 The Xetra Authorization Concept

This chapter describes the Xetra authorization concept and is organized as follows. It starts with an outline of the methodology of the authorization concept and introduces the terminology used in this document. The security administrator has a central position within the framework of the authorization concept. Tasks and duties of a security administrator are described in chapter 2.2. The Xetra authorization concept is directly related to the Xetra group concept. Characteristics of instrument groups are described in chapter 2.3. The set up of user groups is the main topic of chapter 2.4. The assignment of access rights refers to the single user as well as to the user groups and is described in chapter Error! Reference source not found..

2.1 Terminology and Methodology

As a precondition for trading in Xetra, a "Xetra trading member" has to fulfil the requirements according to the exchange rules of the Frankfurt Stock Exchange or has to be approved by another German exchange. In addition, a proper trading settlement has to be set up by a "Xetra clearing member" and guaranteed by a "CCP clearing member", whereby each can be done either by the member himself or by another Xetra member assigned to the trading member. In this document the term "Xetra member" is used, if it is not necessary to distinguish between a "Xetra trading member" and a "Xetra clearing member" in the respective context. Xetra members' staff, who have access to the Xetra system, are denoted as "Xetra users". For the purpose of linguistic simplification, the defined terms are often used without the supplement Xetra.

Figure 1 provides an outline of the methodology of the Xetra authorization concept and describes responsibilities and tasks of the exchange and the security administrator of a member within the framework of this concept. Thereby, the relation between the group concept and the assignment of access rights is taken into consideration.

First, the exchange decides, which instruments are tradable in Xetra, defines instrument groups and then assigns the required access rights to their members. Each listed instrument is assigned to one instrument group. On this basis, the security administrator sets up all users. The set up of a user refers to the single user as well as to the user group (synonym: user subgroup). User specific procedures include the assignment of a user to a user group which is done implicitly with the user ID, the selection of system resources and accounts as well as the classification of the traders in the trader hierarchy. However, the assignment of instruments and special trading rights is done on a user group level.

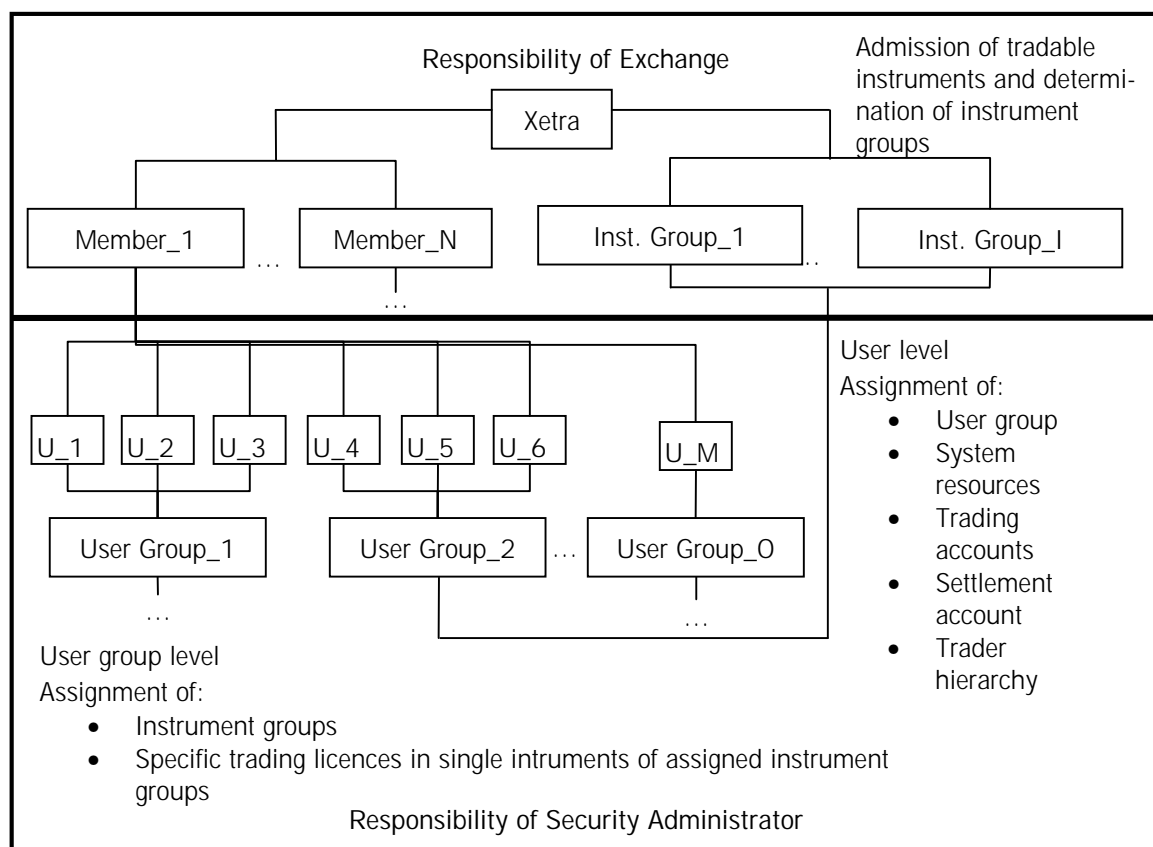


Figure 1: Xetra Authorization Concept – Overview

The assignment of a user to a user subgroup is implemented by the user ID. Each user ID includes a link to a specific user subgroup. So each user of a member is automatically assigned to a user subgroup by creating his user ID. The assignment of system resources determines the available functionalities (e.g. enter order, add user). This allows providing user rights depending on the respective tasks of the Xetra member's staff (e.g. back-office staff, security administrator or trader etc.). To distinguish between proprietary trading and trading on behalf of clients, it is possible to assign special accounts for agent and proprietary trading. Furthermore, specific accounts exist for traders who act as Designated Sponsor, Liquidity Manager, Best Executor, Issuer and/or Specialist. For settlement purposes, each trader has to be assigned to a settlement account. To match the structure of trading departments, a single user can be one of various types of traders (senior traders or traders).

The assignment of instruments to users is implicitly done through assigning instrument groups to user groups: i.e. a user automatically inherits the instrument assignments of the user group he/she belongs to. All users of a given user group may trade in the instruments assigned to the user group if they have also the respective access rights assigned.

For the new trading models on Xetra Frankfurt 2 this instrument assignment is irrelevant as all set up market participants have access to all traded instruments.

2.2 Tasks and Duties of a Security Administrator

A security administrator is responsible for the establishment and administration of user access rights for his/her member. To guarantee effective system security and control mechanisms, the security administrator should not be involved, directly or indirectly, in trading activities.

A Security administrator is automatically created when a new member is set up. It is strongly recommended to create at least one additional security administrator. Xetra security administrators are not allowed to delete or modify access rights required for the administration of other users.

Each security administrator should have his or her own workstation to receive messages of Market Supervision via the *News* window regarding the introduction of new instruments or modifications in instrument groups.

Security administrators are responsible for setting up all individual users of a member. This refers to resource, instrument, trading account and trading license assignment as well as to the administration of passwords. The security administrator is also responsible to present to the exchange all documents required for trading in Xetra.

2.3 Instrument Groups

To be able to manage a large number of tradable instruments, all instruments are organized in instrument groups.

The exchange assigns all listed instruments to instrument groups. Each instrument traded in Xetra has to be assigned to a single instrument group. An instrument of a given exchange cannot be assigned to more than one instrument group and instruments in an instrument group must remain homogeneous regarding their instrument type. This means that an instrument group may only contain equities, bonds or warrants. Heterogeneous instrument groups, which contain, for example, equities as well as bonds will not appear.

Instrument groups as defined by the exchange are assigned to individual members. Each member can use those predefined instrument groups to administer the instrument assignments of his users.

As all market participants have access to all traded instruments in the new trading models "Continuous Auction with Issuer" and "Continuous Auction with Specialist" this assignment of listed instruments to instrument groups is not relevant there.

2.4 Set Up of User Groups

To match the structure of trading departments, Xetra allows creating user subgroups. This permits an unambiguous identification of trader groups from a member. Users, who are not directly related to trading activities like security administrators, back office staff or information user, can also be pooled in user groups. In addition, the set up of user groups allows an efficient handling of a large number of users.

The Xetra authorization concept is based on the assignment of exactly one Xetra user ID (Identification) per user for a given exchange.²

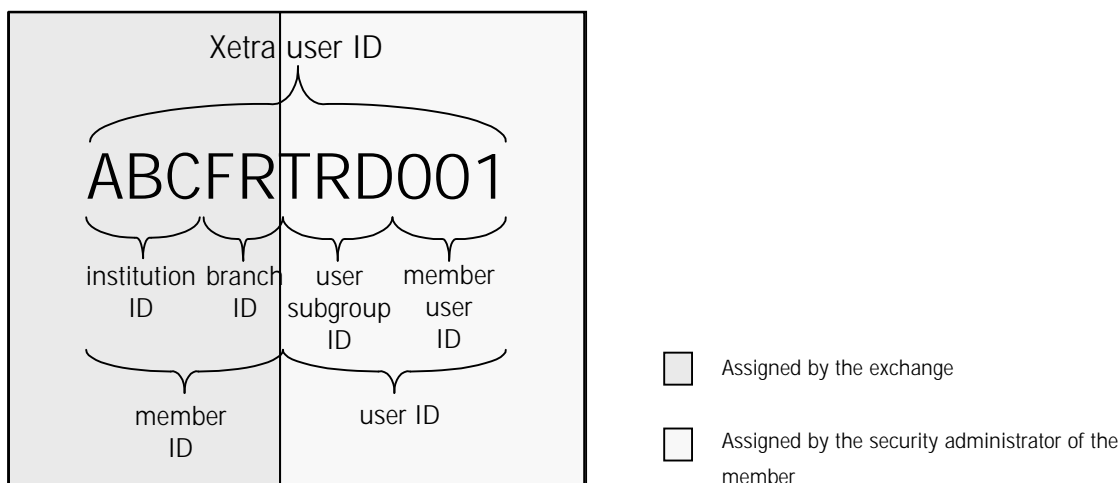


Figure 2: The Xetra user ID and its parts

Assigning a Xetra user ID to each user implies that each member has received a unique member ID for a given exchange. The member ID consists of the institution ID (e.g. "ABC" for the ABC bank) and the branch ID (e.g. "FR" for Frankfurt). To identify a single user of a member, each user has a 6-letter user ID, consisting of a 3-digits user subgroup ID (e.g. "TRD") and a 3-digit member user ID (e.g. "001"). A user group is implicitly set up by creating the first corresponding user ID. The set up of a user ID is described in detail in chapter 3.2.

If an exchange registers a new member, the security administrator is automatically set up as the only user of this member. The security administrator always receives the user ID "MBRSPV". He is responsible for the set up of all other users of the member and their arrangement in user groups.

² Depending on the set up of an exchange, exchanges may use separate or common exchange IDs. However, the Xetra user ID combined with the exchange ID allows an unambiguous identification of a user within the Xetra system.

2.4.1 Recommended User Groups for Issuers

In the trading model "Continuous Auction with Specialist" the Specialist generally acts on behalf of the respective Issuer. All trades executed on behalf of the Issuer have to be enriched with settlement account and location. This information is taken from the user "001" of the Quotation Provider Subgroup delivered by the Issuer with the Reference Data of each Instrument.

In case the Issuer does not deliver a specific Quotation Provider Subgroup with the Instrument Reference Data, "QPR001" is automatically used as default user for the Specialist's trading on behalf.

Any Quotation Provider Subgroup and the user "001" in this group have to be set up by the Security Administrator of the Issuer (incl. the default user "QPR001"). Moreover, without an existing Quotation Provider Subgroup even the instrument set up is rejected.

2.5 Assignment of User Access Rights

The exchange sets up its members and assigns a member ID to each new member as well as the necessary access rights to instruments, system resources and trading licences. Each single user of a member is established by the security administrator of this member. It is the security administrator, who provides users with all necessary access rights as well as trading accounts and ranks them in the trader hierarchy.

The access rights assigned to a member imply the maximum rights, which could be granted to a user. This means, a user may have lower or the same access rights than the member, but can definitely not have higher ones. In case the exchange revokes an access right of a member, this access right is automatically revoked for all users of this member. If the member is granted additional access rights, these new rights will not automatically extend to related users. Users, who like to change their access rights accordingly, have to contact their security administrators for a manual upgrade of their access rights.

2.5.1 Instrument Assignments

Xetra allows security administrators to determine for each user subgroup in which instruments they may trade. All modifications affecting instrument assignments will be effective the next trading day.

In contrast to this process no explicit instrument assignments are required for the trading models "Continuous Auction with Issuer" and "Continuous Auction with Specialist" in Xetra Frankfurt 2. In conjunction with these new trading models all users have access to all instruments listed on Xetra Frankfurt 2. This means, no differentiation is made between Issuers/ Specialist in comparison to other market participants with respect to the assignment of specific instruments or instrument groups. Being setup as a member of the exchange Xetra Frankfurt 2 implies the assignment of all instruments traded there.

2.5.2 Assignment of Specific Trading Licenses (Designated Sponsor, Liquidity Manager, Best Executor, Issuer, Specialist)

Xetra provides special trading roles associated with specific trading privileges, obligations and/or reduced transaction fees. These currently are: Designated Sponsor, Liquidity Manager, Best Executor, Issuer and Specialist.

A Designated Sponsor or Liquidity Manager is a trader, who enters - because of its own motivation or on request of a trading participant - binding quotes for instruments selected by the exchange. It is possible, that traders of different subgroups of a member act as Designated Sponsor or Liquidity Manager in the same instrument. Additionally, it is also possible that traders of more than one member act as a Designated Sponsor or Liquidity Manager in a specific instrument.

Issuers and Specialists are also responsible for the provision of additional liquidity in specific instruments (Certificates & Warrants). Furthermore, they have the task to ensure fair prices in the assigned instruments. For a particular instrument only one member can act as Issuer or Specialist.

A Best Executor is a trader who provides Best Execution services through relative quotes to its own member's customers or to customers of other Xetra members (Flow Providers³). In addition it is possible, that traders of more than one member act as Best Executor in a specific instrument.

The assignment of a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist license for an instrument takes place per instrument on the basis of user groups.

To assign a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist license to a user subgroup, the Xetra member has to receive a Designated Sponsor, Liquidity Manager or Best Executor license from the exchange or has to be set up as the Issuer or Specialist of the instrument.

The assignment of a user group as Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist becomes effective the next trading day.

2.5.3 Assignment of System Resources

After the exchange has assigned resource access rights to the member the security administrators can define, which system resources are available for each user. Access to system resources is given via different "Application Requests". Xetra offers a specific "Application Request" for each function (e.g., "Enter Order", "Inquire Public Order Book").

From a technical point of view the whole functionality of "Application Requests" can be divided into two groups. The first group contains "Application Requests", which can be validated on the front-end only. They mainly provide functionality for public information or general information about a member or instrument (e.g. "Ticker Information", "Inquire User", and "Inquire Instruments"). The security administrator can modify the access rights to all these system resources. However, it depends on the front-end software, if the assigned resource access levels are validated or not. No validation on the back-end takes place for these application requests.

³ A Flow Provider is a member who routes its customer's orders to a Best Executor for BEST execution purposes. The Flow Provider and his relation to one up to several Best Executors has to be set up by the exchange. There are no tasks for the security administrator.

The second part of "Application Requests" is validated on the back-end and contains more specific functionalities like system resources for the authorization concept (e.g., to add or to delete a user), for trading (e.g., enter an order) or to inquire trades (e.g., inquire all executed trades). A detailed description of system resources is given in chapter 4.1 in the appendix of this document.

For each "Application Request" the security administrator specifies, whether a user has access to this certain resource or not. In general all "Application Requests" can be enabled (checkmark set "ü") or disabled (checkmark not set). However, for the member supervisor the requests "Inquire User", "Inquire User List", "Modify User" and "Login" are always enabled, to allow at least one user of a member to maintain users.

The assignment of access rights depends mainly on the function of the user. Under functional aspects users can be divided in

- security administrators,
- traders,
- Designated Sponsors
- Liquidity Managers,
- Best Executors,
- Issuers,
- Specialists,
- back office staff, and
- information users.

The chapters 2.5.3.1 - 2.5.3.7 describe the assignment of the most important system resources depending on various user types. Examples for the assignment of system resources are presented in chapter 4.2 in the appendix of this document. Xetra users may define their own individual profiles, since individual resources may be allocated specifically to certain users.

All trading specific access rights for traders, Designated Sponsors, Liquidity Managers, Best Executors, Issuers or Specialists (e.g., "Enter Order", "Modify Order", "Delete Order") have to be explicitly activated by the exchange.

2.5.3.1 Security Administrator

According to the tasks and duties of a security administrator described in chapter 2.2, he should have access to system resources, which allow

- to set up, modify and delete user access rights,
- to set up and delete assignments between instrument groups and user groups, and

- to assign and withdraw Designated Sponsor, Liquidity Manager or Best Executor licences on instrument level for user subgroups.

Furthermore, only a security administrator should have the possibility to reset a user password. However, he should not have access rights, which allow any kind of trading participation in Xetra.

Xetra security administrators are not allowed to delete or modify access rights required for the administration of other users.

2.5.3.2 Trader

Traders - including traders with preliminary admission⁴ - are authorized

- to enter orders,
- to inquire, modify or delete own orders, and
- inquire and modify all trades resulting from their order entries.

2.5.3.3 Designated Sponsor and Liquidity Manager

Although Designated Sponsors and Liquidity Managers have partially different functions they require identical resource access rights. They should be able to

- enter orders and quotes,
- inquire, modify and delete own orders,
- inquire quotes entered personally or by other Designated Sponsors or Liquidity Managers of their user group, and
- inquire and modify all trades resulting from their own order and quote entries,
- delete quotes entered personally or by other Designated Sponsors or Liquidity Managers of their user group.

2.5.3.4 Issuer

Similar to the resource access rights of Designated Sponsors and Liquidity Managers Issuers require the resource access rights of

- enter orders and quotes,
- inquire, modify and delete own orders and quotes,

⁴ Traders with preliminary admission are individuals who have only a time-limited admission to trade in Xetra. If such a trader fulfils the legal requirements for an unlimited admission during this period his admission will become unlimited. However, from a functional point of view no differentiation can be done and thus it will not be distinguished between traders with or without preliminary admission throughout the rest of the document.

- inquire quotes entered personally or by other Issuers of their user group, and
- inquire, modify and delete all trades resulting from their own order and quote entries,

With the introduction of the Continuous Auction with Issuer Trading model in Certificates and Warrants the function of Issuers requires additional information via the subscription of the Issuer Stream.

2.5.3.5 Specialist

Also similar to the resource access rights of Designated Sponsors and Liquidity Managers Specialists require the resource access rights of

- enter orders and quotes,
- inquire, modify and delete own orders and quotes,
- inquire quotes entered personally or by other Specialists of their user group, and
- inquire, modify and delete all trades resulting from their own order and quote entries,

The Specialist is by definition automatically also provided with the rights to enter, modify and delete individual/all orders and quotes on behalf of the Issuer and/or other market participants.

With the introduction of the Continuous Auction with Specialist Trading model in Certificates and Warrants the function of Specialists requires also additional information via

- subscription of the Specialist Stream and
- inquiry of the Xetra Specialist Orderbook.

Above this, the Specialist also has to perform manual trading phase changes via Trading Control functionalities in the respective instruments for which he acts as Specialist. Therefore, he needs the rights to

- Inquire Instrument Trading Control and
- Modify Instrument Trading Control

2.5.3.6 Best Executor

For the fulfilment of their task Best Executors need the resource access rights to

- enter quotes,
- inquire and delete quotes entered personally or by other Best Executors of their member, and
- inquire and modify all trades resulting from their own quote entries.

2.5.3.7 Back Office Staff and Information User

The security administrator may give back office staff access to all trades of its member. Back office staff of Xetra clearing members may inquire all trades of all related trading members. An assigned CCP clearing member on the other hand is only able to inquire the trading member's trades in instruments supported by the central counterparty. Relations between Xetra trading members, Xetra clearing members and CCP clearing members respectively are supported by specific access rights, which allow Xetra clearing members and CCP clearing members to inquire transactions of assigned trading members.

Information users should only be allowed to inquire public information and common private information, which belong to their member.

2.5.4 Assignment of Trading Accounts

In order to enable members to establish so-called "Chinese Walls" between agent and proprietary trading, security administrators may assign appropriate accounts ("A" for agent trading and "P" for proprietary trading) to individual traders in Xetra.

Traders, who act as Designated Sponsor, Liquidity Manager, Best Executor or Issuer must have the account "D" ("Designated Sponsor"), "Q" ("Liquidity Manager"), "E" ("Best Executor") or "I" ("Issuer"). A prerequisite for this assignment is, that the trader has a permission for proprietary trading, which means that he has access to a "P" account.

As the Specialist is provided with additional rights with respect to the entry of orders and quotes on his own behalf, on behalf of the Issuer and other market participants the Specialist must have the accounts "A" and/or "P" as well as "I" and optionally "L".

The assignment of a trading account becomes effective immediately.

2.5.5 Maximum Order Value Assignment

Xetra allows security administrators to determine for each trader a maximum value per order or quote in the exchange currency. This fixed maximum value is identical for all instruments the trader is allowed to trade and enables a member to distinguish between traders within a subgroup in regard to their hierarchy.⁵

Modifications affecting the maximum order value will be effective immediately.

2.5.6 Assignment of a Settlement ID

A settlement ID of a member is defined by a settlement location and a settlement account number. For each Xetra trading member up to 16 settlement IDs can be defined to settle transactions.

⁵ For equities the maximum order value is calculated as quantity times contract unit times limit (or reference price respectively – depending on the order type).

The member informs the exchange about its different settlement IDs. A member has to specify one of the settlement IDs as his default settlement ID. On the business day after Xetra Market Supervision has entered the different settlement IDs the security administrator can assign one of the settlement IDs as a default settlement ID to a trader. In case that no explicit settlement ID is assigned the default settlement ID of the member is used as the default settlement ID of the trader.

Changes to the member and the trader default settlement ID are effective the next business day.

2.5.7 Ranking of a Trader in the Trader Hierarchy

To match the structure of trading departments, the Xetra authorization concept is based on a hierarchical system identifying various types of traders. The system supports the trader types "senior trader" and "trader". This hierarchical approach is supported by a specific combination of naming conventions and system-related security functions.

A senior trader has at least all access rights of a trader. Additionally, he is allowed to act on behalf of all users in his user group. Therefore, a senior trader has an insight in the common order book of this user group.

Besides the access rights of their traders, senior traders are additionally authorized to

- inquire, modify and delete all orders entered by themselves or other traders and senior traders of their user subgroup,
- inquire and modify all trades resulting from these order entries,
- inquire quotes entered by themselves or another Designated Sponsor, Liquidity Manager, Issuer or Specialist of their user group, if they act as a Designated Sponsor, Liquidity Manager, Issuer or Specialist,
- delete all quotes entered by themselves or another Designated Sponsor or Liquidity Manager of their user group, if they act as a Designated Sponsor or Liquidity Manager,
- inquire and delete all quotes entered by themselves or another Best Executor of their member, if they act as a Best Executor, and
- inquire and modify all trades resulting from quote entries of their user subgroup.

Please note that a trader is not able to see the trades of other traders in his trader subgroup until he receives the senior trader status.

Senior traders are not allowed to inquire, modify or delete orders and trades of other traders and senior traders, who belong to a different user subgroup.

Example:

The senior trader TRD001 may inquire, modify and delete any orders entered by senior trader TRD002. However, he is not allowed to inquire, modify or delete orders entered by trader LTR003.

3 Setting up Users

This chapter describes how security administrators can set up the member's users. A detailed example illustrates the various steps and the information required adding new Xetra users. The reader is introduced in detail to related windows, the necessary data entry procedures and resulting displays.

3.1 Set Up of Xetra Members by the Exchange

First, the exchange sets up the new Xetra member. It assigns an unequivocal member ID to each member as well as all necessary system resources, available settlement accounts and instrument groups.

During the process of setting up the member, the user ID „MBRSPV“ is automatically generated for a security administrator. This user ID contains the access rights necessary for the set up and administration of other users of the member.

3.2 Set Up of a User

To add a user with or without using attributes from an existing user profile, the security administrator clicks the menu item *User Overview* in the *Settings* menu of the *Xetra Trading System* main menu. The following *User Overview* window is displayed:

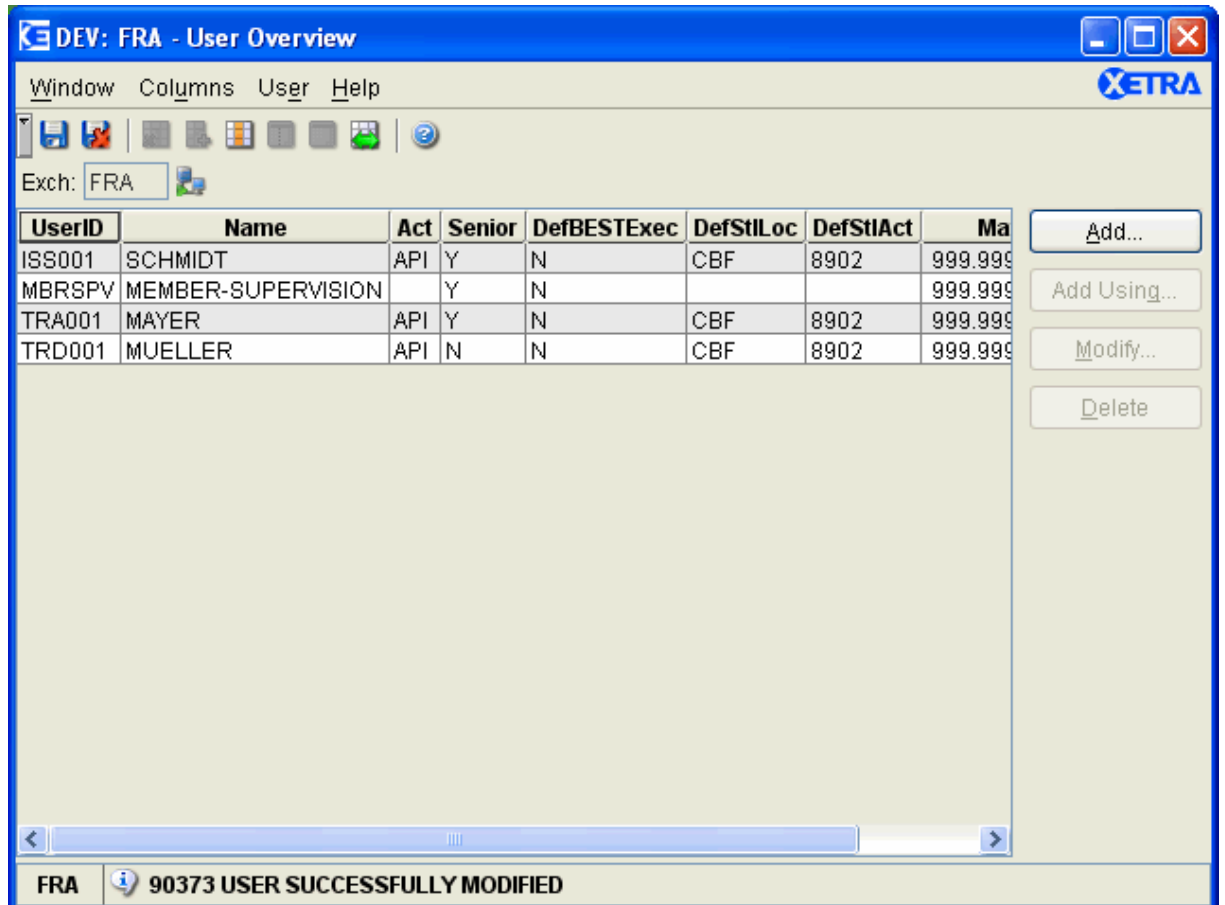


Figure 3: *User Overview* window

The *User Overview* window lists all users of a member including user ID, name, all assigned trading accounts and the user's default settlement account and default settlement location. Also, the window shows whether or not the user is a senior trader.

The security administrator may open the appropriate windows to add new users, to modify user access rights or to delete existing user IDs.

During the very first session, only the user "MBRSPV" is listed who was automatically generated by the system. The security administrator must set up all other new users before they are listed in this window.

3.2.1 User Identification

To add a new user, the security administrator presses the *Add...* button to open the *User Entry* window.

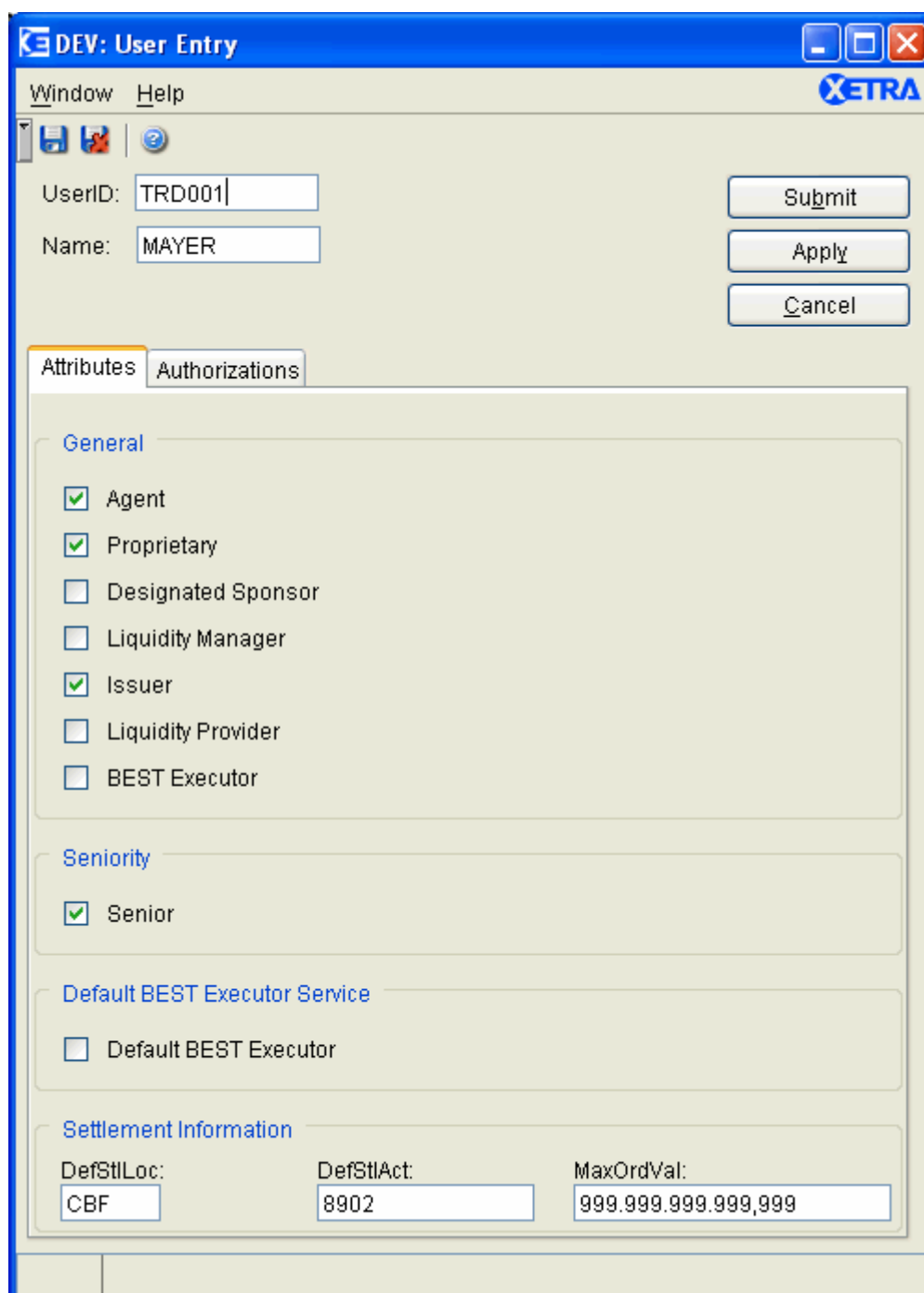


Figure 4: *User Entry* window with selected *Attributes* pane

In particular, the following steps have to be performed:

- Entry of a unique user ID
- Entry of the user's name
- Specification of the trading accounts for which the user will be authorized (Agent, Proprietary, Designated Sponsor, Liquidity Manager, Best Executor Issuer and Liquidity Provider whereas the Specialist should have the Issuer and Liquidity Provider Accounts)
- Specification of the "Default BEST Executor" routing service. The setting will be effective for all traders of the subgroup the modified trader belongs to.
- Specification, whether the user is a senior trader
- Entry of the default settlement ID for the trader
Each user has a default settlement ID which consists of a default settlement location and default settlement account number. In case of the addition of a new user the two fields can be left blank. In that case it is filled with the default settlement account and location of the member after pressing the *Apply* or *Submit* button.
- Maximum order value
The maximum order value of a user can be assigned to a user in the exchange currency. The default value is zero.

All user IDs are subject to the following rules:

- Security administrators generally belong to the user subgroup "MBR", whose member user IDs starts with "SP" (e.g., "MBRSPV").
- Users admitted for order routing should have the user IDs starting with "ORS" (e.g. "ORS001" or "ORS002"). If not possible, the user ID should at least start with "OR" – an explicit assignment to order routing needs to be possible.
- All users of members residing in the United States of America are identified through user IDs starting with "U" (e.g., "UPT001"). Other users are not allowed to use subgroup IDs starting with "U".

The security administrator must confirm all entries by pressing the *Apply* or *Submit* button.

As the new user is stored in the database the default resource access levels (see appendix 4.2.1) are assigned automatically.

A user can also be added by selecting an existing user in the *User Overview* window and pressing the *Add Using...* button. In this case the *User Entry* window is also opened but is pre-filled with all attributes and resource access rights of the already existing user that has been selected. The pre-filled data in the *UserID* field and the *Name* field have to be replaced with the respective data of the new user.

Selecting a user ID in the *User Overview* window and pressing the *Modify...* button opens the *User Maintenance* window. The *User Maintenance* window looks like the *User Entry* window. The difference is that in the *Attributes* pane user ID, name, accounts, the default settlement location, the default settlement account, the maximum order value field and in the *Authorizations* pane the resource access level checkmarks are pre-filled when the window is opened as *User Maintenance* window. Also, in this case the user ID field is display only. The attributes and authorizations can be changed by clicking the respective checkmarks.

3.2.2 Functional Access Rights

In an additional step the security administrator may enter or change user access privileges. To do so, he pushes the *Authorizations* pane in the *User Entry* (or *User Maintenance*) window.

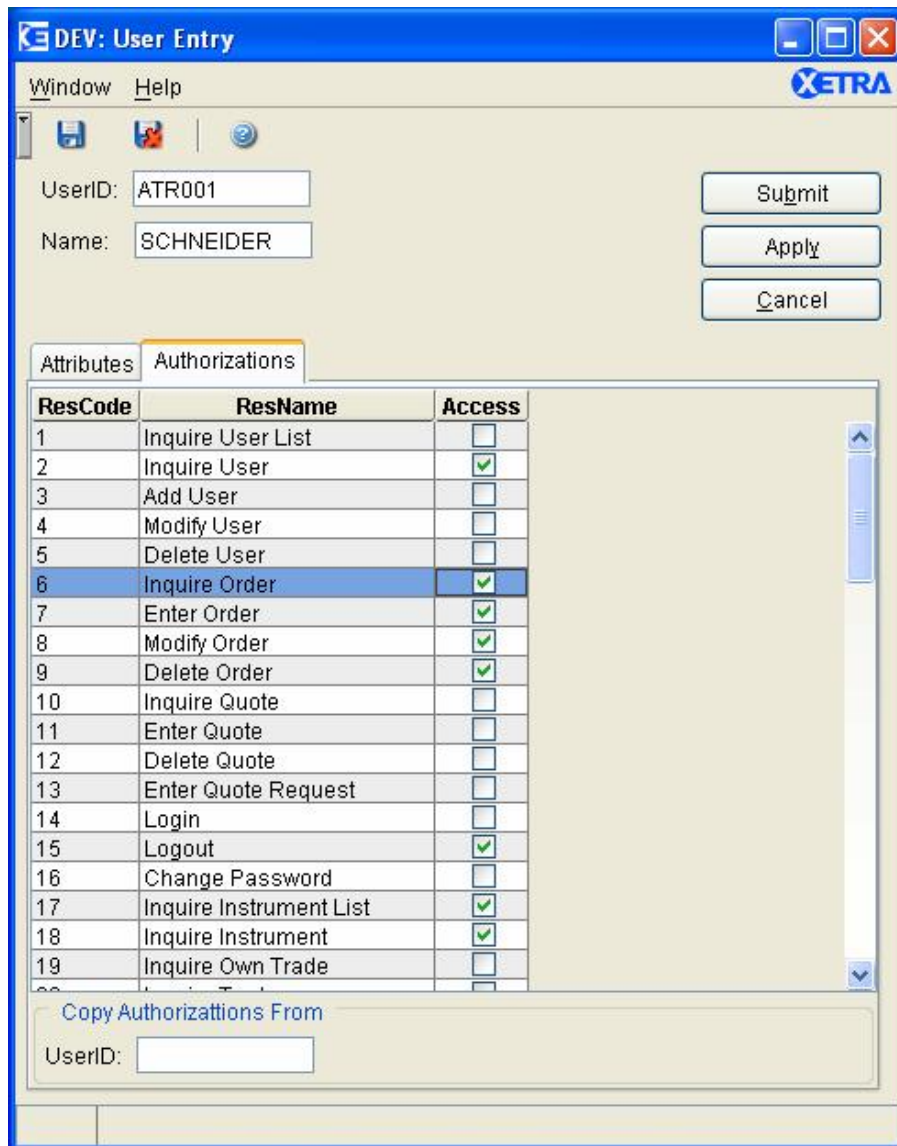


Figure 5: *User Entry* window with selected *Authorizations* pane

If the *User Entry* window is opened via the *Add...* button and the *Authorizations* pane is pushed, the default resource access levels (see appendix 4.2.1) are assigned automatically. The member supervisor can modify the assignments by clicking the appropriate row in the *Access* column. As the new user is stored in the database (e.g. by pressing the *Apply* or *Submit* button) the resource access levels are assigned to the user.

If the *Authorizations* pane is selected in the *User Maintenance* window the list box displays the user access rights to all available resources for the specified user. For security administrators at least the minimum resource access levels are set.

The security administrator can now change the user access rights to individual resources ("Application Requests") allocated to a specific user (in entry and maintenance mode of the window). To activate access rights the appropriate checkmarks in the *Access* column have to be selected. Pressing the *Apply* or *Submit* button updates the access rights.

To select system resources from an already existing user the specific user ID must be entered in the *UserID* entry field of the *Copy Authorizations From* field group and the *Return* key needs to be pressed. Afterwards the resources of this user are copied into the *User Entry* (or *User Maintenance*) window to the user that is being added (or modified).

After the resources have been chosen, all modified access rights must be confirmed by pressing the *Apply* or *Submit* button in the *User Entry* (or *User Maintenance*) window.

3.2.3 Assignment of Heartbeat-Access Rights

Authorization for usage of the Heartbeat will be performed on trader / subgroup level via a "group-concept": Based on assigned Heartbeat-RAL on member level by Market Supervision the security administrator of a member continues to maintain the RAL settings on trader-level but effective for the trader subgroup. An assignment of the Heartbeat RAL to a trader will result in all fellow traders in the trader's subgroup being assigned the RAL automatically. Vice-versa, if a member supervisor de-assigns the Heartbeat RAL from a trader, the RAL will be automatically removed from all other traders in the trader's subgroup. This concept keeps the Heartbeat RAL settings consistent for all trader in a subgroup.

In contrast to all other RALs, changes to the value of the Heartbeat RAL will take effect on the next business day.

3.2.4 Assignment of Instrument Groups

The next step for the security administrator is to specify the instrument groups for which the individual user subgroups are allowed to trade. To do so, the security administrator opens the *Subgroup Assignment Maintenance* window by selecting the corresponding menu point in the *Settings* menu of the *Xetra J-Trader* window. Assigning instrument groups to a certain user subgroup implies that the appropriate subgroup has already been established, i.e., at least one user in this subgroup has been set up.

The *Subgroup Assignment Maintenance* window displays which instrument groups are available for assignment (*Available Instrument Groups* list box) and which instrument groups have already been assigned to the selected user subgroup (*Assigned Instrument Groups* list box). The *Subgrp* field allows selecting an existing user subgroup where assignments can be maintained. Per default, no instrument groups are assigned.

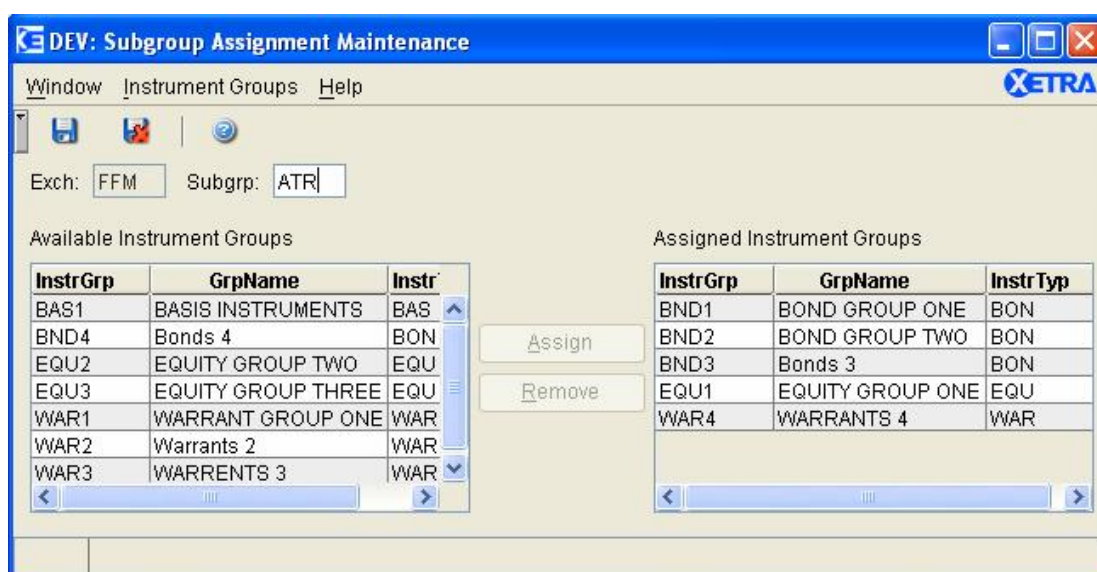


Figure 6: *Subgroup Assignment Maintenance* window

This window enables the security administrator to

- assign new instrument groups to a selected user subgroup and
- remove assigned instrument groups from a selected user subgroup.

To assign a new instrument group to a selected user subgroup, the security administrator selects the specific instrument group in the *Available Instrument Groups* list box and presses the *Assign* button. To remove an assigned instrument group the specific instrument group has to be selected in the *Assigned Instrument Groups* list box and the *Remove* button has to be pressed.

As mentioned in chapter 2.5.1 neither instrument group assignments nor instrument assignments are required for the trading models "Continuous Auction with Issuer" and "Continuous Auction with Specialist" in Xetra Frankfurt 2. Being setup as a member of Frankfurt 2 grants access to all instruments listed there.

3.2.5 Designated Sponsor, Liquidity Manager or Best Executor Assignment

If the member has been granted a Designated Sponsor, Liquidity Manager or Best Executor license from the exchange, at least one user group will need a respective setup so that the member can actually carry out the respective role. In addition to the instrument group assignment, the respective user group(s) requires assignment of the corresponding instrument licenses. This step implies that the security administrator has already determined whether a specific trader in the user group has a Designated Sponsor, Liquidity Manager or Best Executor account and the respective access rights. Thus, not all users of the user group will automatically be able to act as a Designated Sponsor, Liquidity Manager or Best Executor if the user group receives the necessary licenses.

The *Subgroup License Maintenance* window can be accessed via the *Subgroup License Maintenance* menu item of the *Settings* menu of the *Xetra Trading System* main menu.

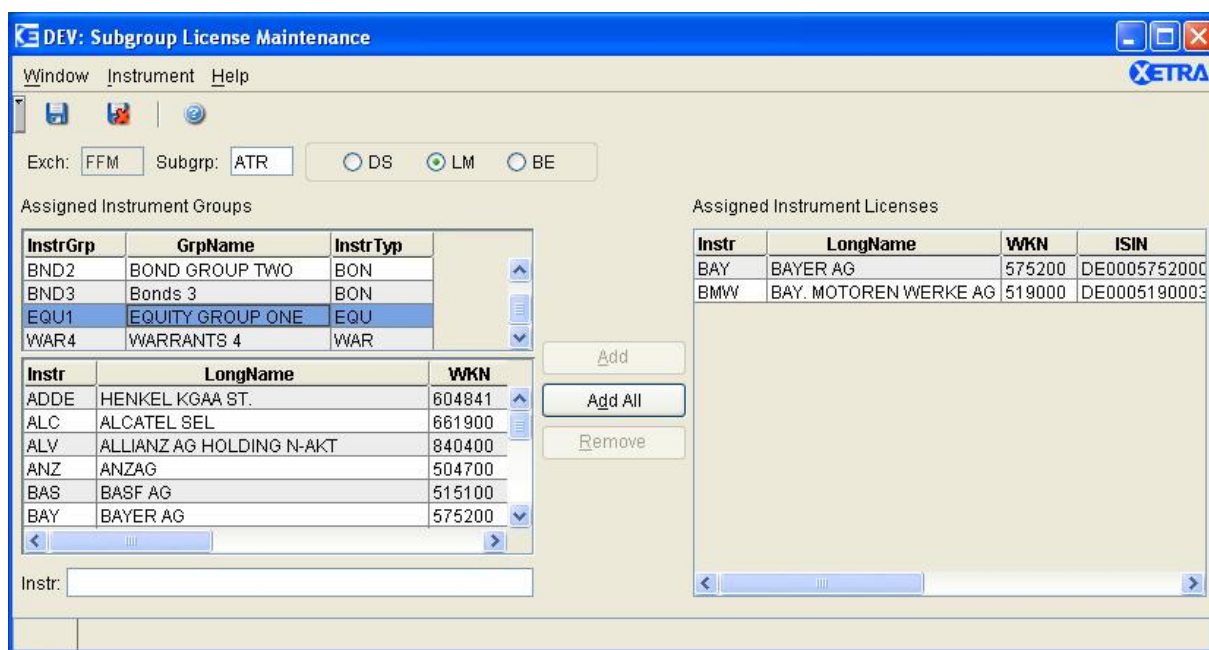


Figure 7: Subgroup License Maintenance window

The *Subgroup License Maintenance* window displays - according to the selected license type - all instruments to which a selected user group of a specified exchange has been assigned as Designated Sponsor, Liquidity Manager or Best Executor (*Assigned Instrument Licenses* list box). The security administrator may assign additional instruments to the selected user group or delete existing assignments.

After a valid exchange and a subgroup have been entered and a license type is selected, the *Assigned Instrument Groups* list box displays the instrument groups that are assigned to the selected subgroup and the *Assigned Instrument Licenses* list is filled with the instruments the subgroup is already having the Designated Sponsor, Liquidity Manager or Best Executor license for. Selecting an instrument group in the *Assigned Instrument Groups* list box displays all instruments according to the instrument group in the *Instruments* list box.

Clicking the *Add* button adds one or more selected instrument(s) or an instrument entered in the entry field at the bottom to the instrument list for which the subgroup shall have the Designated Sponsor, Liquidity Manager or Best Executor status. Clicking the *Add All* button adds all instruments of the selected instrument group to the instrument list. The list box is updated accordingly.

In case the respective license for a selected instrument is not assigned to the member, an error message will be displayed and the instrument will not be assigned to the user subgroup. If several instruments were selected those will be assigned, the member has the respective license for.

Clicking the *Remove* button removes the Designated Sponsor, Liquidity Manager or Best Executor status of the user group for the selected instruments. The list box is updated accordingly.

Modifications affecting the Designated Sponsor, Liquidity Manager or Best Executor trading licenses for a user group will become effective the next trading day.

3.2.6 Default BEST Executor Assignment

The Member Supervisor of a Flow Provider can display and maintain Default BEST Executor assignments on instrument, or instrument group level via the *Default BEST Executor Assignment* window.

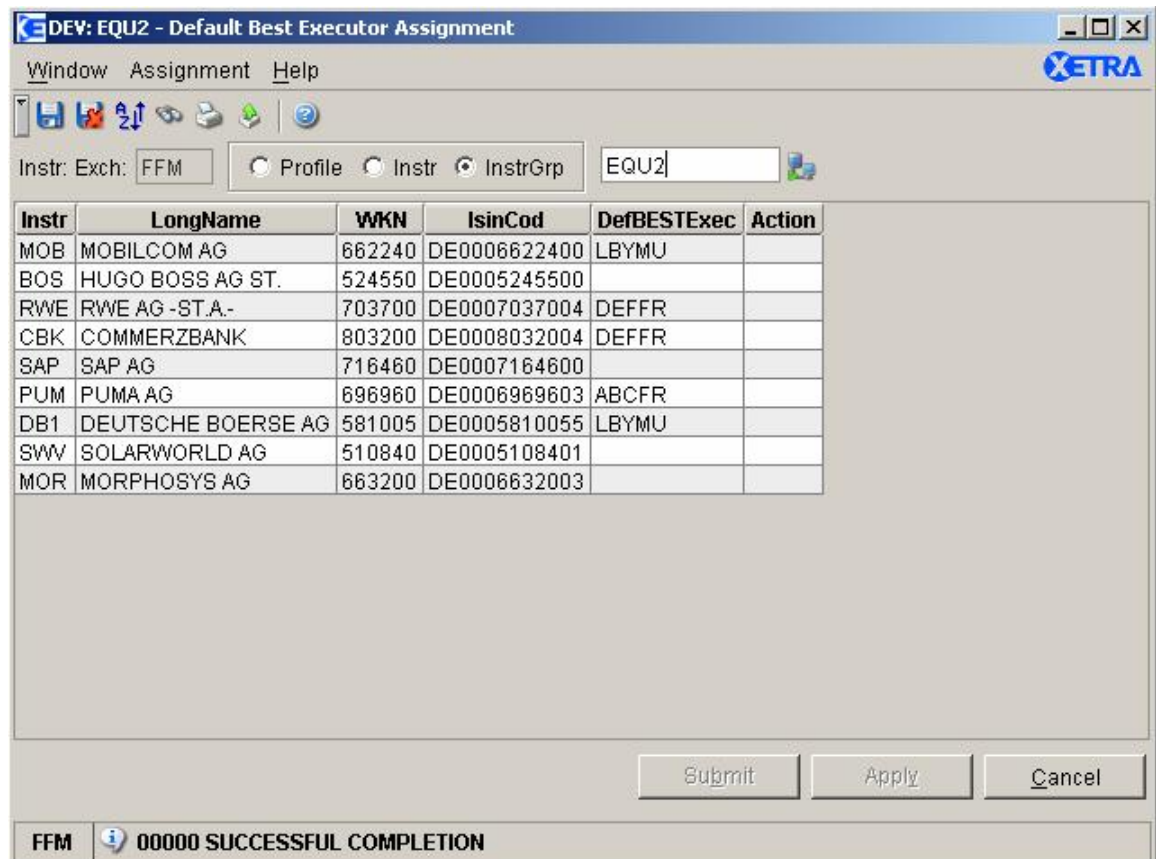


Figure 8: Default BEST Executor Assignment window

3.2.7 Issuer/Specialist Assignment

The assignment of an Issuer/Specialist to an instrument is done within the Instrument Reference Data via the member ID subgroup. Therefore, the security administrator only has to specify the Issuer trading account "I" or the trading accounts "I", "L", "A" and "P" for a Specialist (via *the User Entry/Maintenance* window) and the specific functional access rights for a trader who should act as an Issuer or Specialist.

3.3 Activation of Users by the Exchange

Independently of the exchange environment, the exchange has to activate the newly set up user. Before activation, Market Supervision compares the entered user ID and the user name with the user ID and name in the form sheet "Xetra userID/Benutzerkennungen" which has to be provided by the member in advance. Only in case those data are identical the user will be activated. Until the activation has not been executed, the user may perform all assigned functions with the exception of the following tasks: order entry, order modification, order deletion, quote entry, and quote deletion. The activation of a user by the exchange is effective immediately.

The security administrator has to take into account that the assignment of a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist license to a user group is independent from user specific access rights, which are necessary to act as a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist (e.g. the set up of special trading accounts and the access to the specific system resources). Therefore, the security administrator is responsible for the proper assignment of a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist license to a user group as well as the user specific access rights for the members of the user group. Only if all conditions are fulfilled, a user can act as a Designated Sponsor, Liquidity Manager, Best Executor, Issuer or Specialist.

3.4 Login/Registration Procedure

Login to the Xetra System is a two-stage procedure. Registration to the front end Xetra J-Trader R9.0 is done via the System Connection window. The connection to the Xetra back-end is carried out in a second stage within the Xetra J-Trader (Xetra Login/Logout window). If both login procedures were successful, the user has access to the assigned system resources.

3.4.1 Connection via the Xetra J-Trader Application

The *System Connection* window allows the user to gain connection to the Xetra System via the Xetra J-Trader application. Since there are two alternative ways for accessing the Xetra Trading System, there are two different login windows.

3.4.1.1 System Connection via GATE

To connect to the Xetra system via GATE it is necessary to enter a UserID and a password. The system operator should provide the identification and password.



Figure 9: *System Connection* window (access to Xetra via GATE)

After a successful login procedure, the *Login / Logout* window opens.

3.4.1.2 System Connection via @Xetra

To connect to the Xetra system via the Internet the System connection window opens automatically after the application is started and enables in combination with a smart card and a smart card reader the access to Xetra via the Internet. First, it is necessary to insert the smart card into the smart card reader and launch the card reader service application. The Start button is enabled. After pressing the Start button an orange light on the pin pad of the smart card reader is turned on and the user is asked to enter his PIN, followed by pressing the hash key ('#') on the smart card reader.

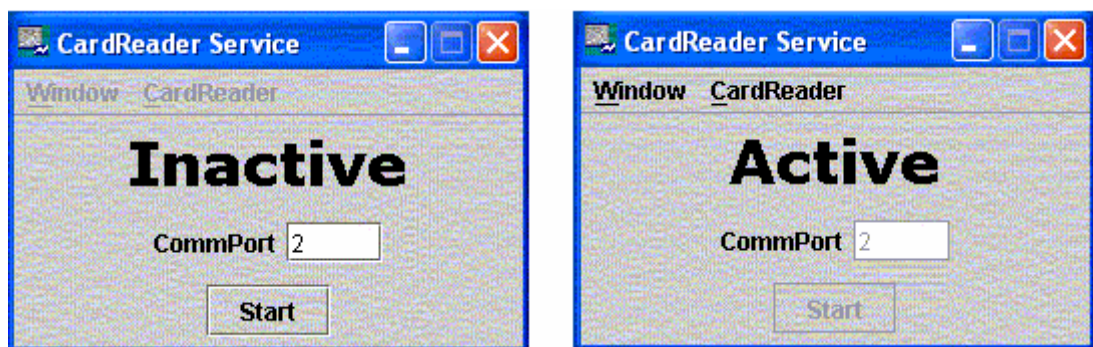


Figure 10: CardReader Service window (before and after activation)

After that, the J-Trader can be started and the connect screen is shown.

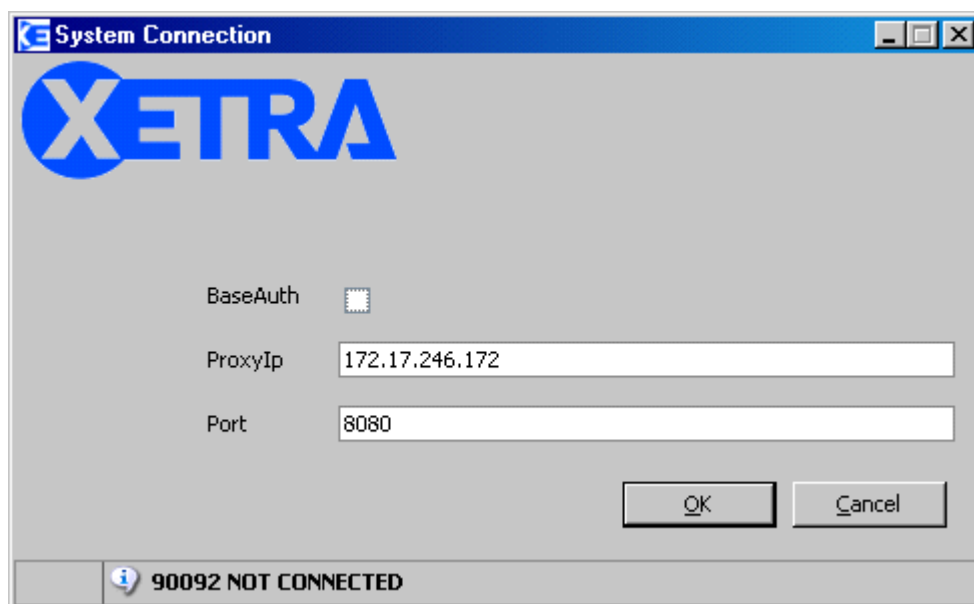


Figure 11: System Connection window (access to Xetra via the Internet)⁶

After a successful connection procedure the *Login / Logout* window opens.

⁶ "BaseAuth" Checkbox: If this field is checked, the user is prompted to enter the user ID and password to authenticate against a local proxy server. "ProxyIP" Entry field: Write here the IP address of the proxy. If no proxy is used leave it blank. "Port" Entry Field: Write here the port number used to connect with the proxy. If no proxy is used leave it blank.

An additional, mainly technical, security advice for Internet access users can be found in the @Xetra Installation Guide for Xetra Release 9.0 and in the Front End Operations Guide for Xetra Release 9.0.

3.4.2 Login to the Xetra Back-End

If a user that has been set up by the security administrator logs in to the Xetra back-end via the Xetra J-Trader application, he has to enter his Xetra user ID and Xetra password in the *Xetra Login/Logout* window. The 11-digit Xetra user ID consists of the institution ID (letter 1-3) and branch ID (letter 4-5) of the member, the subgroup ID (letter 6-8) and the user ID (letter 9-11) (see 2.4). The Xetra password field is an 8-digit alphanumeric field. Each new user receives XETRAPWD as default Xetra password.

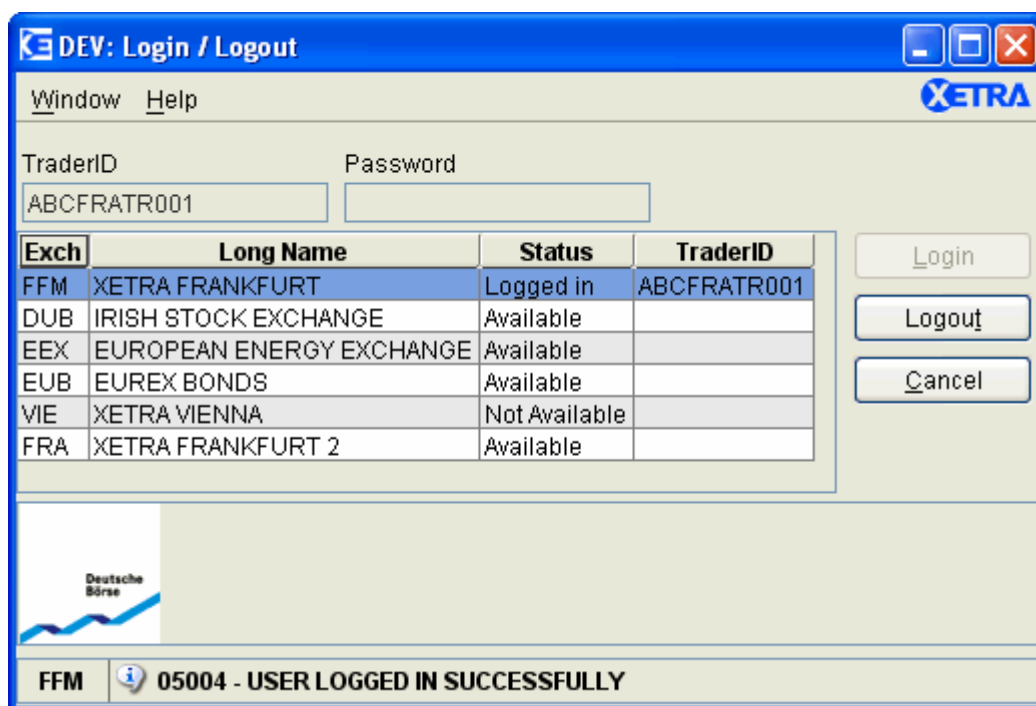


Figure 12: Login / Logout window

After the successful login, the user has access to all assigned resources. The security administrator has to pay attention that each user changes the default Xetra password after the first login to the Xetra J-Trader. It is recommended that the security administrator assigns an individual password to each user after set up this user. The user should change this individual password after his first login.

3.4.3 Reset Password

The security administrator can reset the Xetra password of a user.

For this purpose, he opens the *Change Password* window by selecting the appropriate item in the *Settings* menu of the *Xetra J-Trader* main menu. To reset a Xetra password, the security administrator has to enter the Xetra user ID first. The field "Old Password" remains empty. The new Xetra password has to be entered in the field "New Password" and has to be re-entered in the "Confirmation" field.



Figure 13: *Change Password* window (*Reset* functionality)

Pressing the *Apply* or *Submit* button in the *Change Password* window confirms the procedure. Changes to the password are effective immediately.

4 Appendices

4.1 Appendix 1: System Resources in Xetra Release 9.0

The following system resources are available in Xetra Release 9.0 and can be changed by the security administrator.

ResCode	ResName	Description	Front end / Back end	M	Active
1	Inquire User List	Displays a list of all users of a member	B	Y	
2	Inquire User	Displays information for a specific user	B	Y	
3	Add User	Adds new user	B		
4	Modify User	Modifies user's access rights; Default BEST Executor settings are effective for all users of the subgroup.	B	Y	
5	Delete User	Deletes present user	B		
6	Inquire Order	Inquiry of all order of a user	B		
7	Enter Order	Order entry	B		Y
8	Modify Order	Modification of own orders	B		Y
9	Delete Order	Deletion of own orders	B		Y
10	Inquire Quote	Displays all quotes of a user	B		
11	Enter Quote	Quote entry	B		Y
12	Delete Quote	Deletion of own quotes	B		Y
13	Enter Quote Request	Quote request entry	B		Y
14	Login	Log in to Xetra	B	Y	

ResCode	ResName	Description	Front end / Back end	M	Active
15	Logout	Log out from Xetra	B		
16	Change Password	Changes user's password	B		
17	Inquire Instrument List	Lists all instruments tradable in Xetra	F		
18	Inquire Instrument	Displays relevant instrument data	F		
19	Inquire Own Trade	Displays all trades of a user	B		
20	Inquire Trade	Displays all trades of exchange members associated with a certain clearing member	B		
21	Modify Trade	Modification of own trades	B		
22	Inquire News List	Displays listing of latest available news updates	B		
23	Inquire News	Displays selected news item	B		
24	Inquire Report Selection List	Displays list of all selected reports	B		
26	Modify Report Selection	Modifies report selection	B		
27	Inquire Current Subgroup License	Displays all instruments assigned to a specific Designated Sponsor, Liquidity Manager or Best Executor subgroup for the current trading day	F		
29	Delete all Orders and Quotes	Deletes all Orders and Quotes in an instrument set	B		
30	Inquire Instrument Trading Control	Displays the current instrument status with respect to the trading phase	B		

ResCode	ResName	Description	Front end / Back end	M	Active
31	Modify Instrument Trading Control	Modifies the instrument status with respect to the trading phase	B		
32	Inquire Inside Market	Displays inside market information	B		
33	Request Broadcast Re-Transmission	Request missing recoverable broadcast messages	F		
34	Inquire Exchange Information	Displays current date and receive exchange specific information.	F		
35	Subscribe Inside Market	Sends updates of inside market information	F		
36	Subscribe Quote Request	Receive quote requests of the market	F		
37	Subscribe State Change Information	Receive information on changed system states	F		
38	Subscribe Order Execution Confirmation	Receive confirmation about entry, modification and deletion of orders	F		
39	Subscribe Quote Execution Confirmation	Receive confirmation about entry and deletion of quotes	F		
40	Subscribe OTC Information	Receive information about entered OTC trade information	F		
41	Subscribe DS/LM Quote Request	Receive quote requests for Designated Sponsors or Liquidity Managers	F		
42	Subscribe News	Receive news of market supervision	F		
43	Subscribe Ticker	Display of price information	F		
44	Subscribe Trade Confirmation	Receive trade confirmation	F		
45	Subscribe Detect Gap	Receive information on missing, unreliable broadcasts	F		
47	Inquire Public Order Book	Displays public order book	B		

ResCode	ResName	Description	Front end / Back end	M	Active
48	Reset Password	Resets user's password	B		
49	Approve OTC Trade	Approval of counterparty's OTC trade entry	B		
50	Enter OTC Trade	OTC trade entry for settlement	B		
51	Delete OTC Trade	Deletes existing OTC trade entry not yet confirmed by counterparty	B		
53	Inquire OTC Trade	Displays all approved and not approved OTC trade entries	F		
54	Enter Stop Order	Stop order entry	B		Y
55	Modify Stop Order	Modification of own stop orders	B		Y
56	Delete Stop Order	Deletion of own stop orders	B		Y
58	Inquire Instrument Group List	Displays list of all instrument groups available to users effective next day	B		
59	Inquire Instrument Group	Displays list of all instruments of an instrument group available effective next day	B		
60	Inquire Subgroup List	Displays list of all subgroups of a member	B		
61	Inquire Subgroup License	Displays list of all instruments assigned to a specific Designated Sponsor, Liquidity Manager or Best Executor subgroup	B		

ResCode	ResName	Description	Front end / Back end	M	Active
62	Add Subgroup License	Assigns new instruments to a specific Designated Sponsor, Liquidity Manager or Best Executor subgroup; effective next business day	B		
63	Delete Subgroup License	Deletes certain instruments from a specific Designated Sponsor, Liquidity Manager or Best Executor subgroup; effective next business day	B		
64	Inquire Subgroup Instrument Group Assignment List	Displays list of all instruments assigned to a specific instrument subgroup effective next day	B		
65	Add Subgroup Instrument Group Assignment	Assigns a specific instrument group to a subgroup	B		
66	Delete Subgroup Instrument Group Assignment	Deletes the assignment of a specific instrument group of a subgroup	B		
70	Inquire Current Instrument Group List	Lists all instrument groups of a member available on the current trading day	F		
71	Inquire Current Instrument Group	Displays all instruments of an instrument group available on the current trading day	F		
73	Inquire Current Subgroup Instrument Group List	Lists all instrument groups of a subgroup available on the current trading day	B		
76	Inquire Order Fee	Display accumulated fees for an order	B		

ResCode	ResName	Description	Front end / Back end	M	Active
77	Specialist Inquire Orderbook	Displays the Orderbook of an assigned instrument in full depth to the respective Specialist	B		
78	Subscribe Specialist Stream	Broadcast stream for privileged order book insight for Specialists in the assigned instruments	F		
79	Subscribe Issuer Stream	Broadcast stream for privileged order book insight for Issuers in the assigned instruments	F		
80	Enter Mass Quote	Mass Quote entry for all assigned instruments	B		
81	Inquire Filtered Instrument List	Obtain a list of ISINs by submitting filter criteria within the requested data	F		
82	Enter Energy Hourly Bid ⁷	Hourly Bid entry	B		Y
83	Delete Energy Hourly Bid ⁷	Deletion of own Hourly Bids	B		Y
84	Inquire Energy Hourly Bid ⁷	Inquiry of all Hourly Bids of an user	B		Y
85	Enter Energy Block Bid ⁷	Block Bid entry	B		Y
86	Modify Energy Block Bid ⁷	Modification of own Block Bids of an user	B		Y
87	Delete Energy Block Bid ⁷	Deletion of own Block Bids of an user	B		Y

⁷ Required for Manual Auction trading, only.

ResCode	ResName	Description	Front end / Back end	M	Active
88	Inquire Energy Block Bid ⁷	Inquiry of all Block Bids of an user	B		Y
89	Inquire Energy Auction Detail ⁷	Inquiry of auction results	B		Y
90	Inquire Energy Exchange Parameters ⁷	Receive exchange specific information	B		Y
91	Inquire All Trades ⁸	Inquiry of all on-exchange trades according to selected filter criteria	B		
92	Start Heartbeat ⁹	Activate heartbeat monitoring for subgroup of affective user	B		
93	Subscribe All Trade Prices	Activate Xetra all trade prices broadcast for extended post-trade transparency	F		
94	Inquire Default BEST Executor	Lists Default BEST Executors related to the Flow Provider and instrument.	B		
95	Maintain Default BEST Executor	Maintenance of the Default BEST Executors related to the Flow Provider and instrument.	B		
96	Inquire BEST Executor Flow Provider	List BEST executors for which the requesting member serves as Flow Provider.	B		
97	Enter Trade Report	Entry of OTC trades with trade reporting.	B		

⁸ The RAL 91 was introduced to give users the possibility to inquire all trades that occurred during the trading day or one of the four previous trading days. Only on introduction, the RAL will be set automatically to "1" by the exchange for all members and users having RAL 32 "Inquire Inside Market" already assigned.

⁹ Heartbeat monitoring will be started for a member, subgroup, and account type triple after the successful submission of at least one start heartbeat request and a subsequent enter heartbeat request for the member, subgroup, account type triple. Maintenance of the RAL setting is conducted on trader-level but effective for the entire subgroup of the trader, starting on the next business day.

ResCode	ResName	Description	Front end / Back end	M	Active
98	Delete Trade Report	Deletion of OTC trades with trade reporting	B		

ResName: Name of Resource.
Front End/Back End: Indicates if resource is validated on the front-end or the back-end.
M: Indicates that resource is mandatory for member supervisor.
Active: Indicates that this resource is only utilized when the user has been activated by the exchange.

4.2 Appendix 2: Resource Access Level Profiles for Various Users

4.2.1 Standard Default Profile

The following system resources are assigned to all users in Xetra Release 9.0 by default, when a new user is set up:

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	0
7	Enter Order	0
8	Modify Order	0
9	Delete Order	0
10	Inquire Quote	0
11	Enter Quote	0
12	Delete Quote	0
13	Enter Quote Request	0
14	Login	0
15	Logout	1
16	Change Password	0
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	0
20	Inquire Trade	0
21	Modify Trade	0
22	Inquire News List	0
23	Inquire News	0
24	Inquire Report Selection List	0
26	Modify Report Selection	0
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	0
33	Request Broadcast Retransmission	1

ResCode	ResName	Setting
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	0
48	Reset Password	0
49	Approve OTC Trade	0
50	Enter OTC Trade	0
51	Delete OTC Trade	0
53	Inquire OTC Trade	0
54	Enter Stop Order	0
55	Modify Stop Order	0
56	Delete Stop Order	0
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	0
60	Inquire Subgroup List	0
61	Inquire Subgroup License	0
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	0
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0

ResCode	ResName	Setting
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	0
92	Start Heartbeat	0
93	Subscribe All Trade Prices	0
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.2 Example for Security Administrators

ResCode	ResName	Setting
1	Inquire User List	1
2	Inquire User	1
3	Add User	1
4	Modify User	1
5	Delete User	1
6	Inquire Order	0
7	Enter Order	0
8	Modify Order	0
9	Delete Order	0
10	Inquire Quote	0
11	Enter Quote	0
12	Delete Quote	0
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	0
20	Inquire Trade	0
21	Modify Trade	0
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	0
26	Modify Report Selection	0
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	0
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	0
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	0
48	Reset Password	1
49	Approve OTC Trade	0
50	Enter OTC Trade	0
51	Delete OTC Trade	0
53	Inquire OTC Trade	0
54	Enter Stop Order	0
55	Modify Stop Order	0
56	Delete Stop Order	0
58	Inquire Instrument Group List	1
59	Inquire Instrument Group	1
60	Inquire Subgroup List	1
61	Inquire Subgroup License	1
62	Add Subgroup License	1
63	Delete Subgroup License	1
64	Inquire Subgroup Instrument Group List	1
65	Add Subgroup Instrument Group Assignment	1
66	Delete Subgroup Instrument Group Assignment	1
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	0
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	0
92	Start Heartbeat	0
93	Subscribe All Trade Prices	0
94	Inquire Default BEST Executor	1
95	Maintain Default BEST Executor	1
96	Inquire BEST Executor Flow Provider	1
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.3 Example for Traders

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	1
7	Enter Order	1
8	Modify Order	1
9	Delete Order	1
10	Inquire Quote	0
11	Enter Quote	0
12	Delete Quote	0
13	Enter Quote Request	1
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	0
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	1
55	Modify Stop Order	1
56	Delete Stop Order	1
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	0
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	0
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0 ¹⁰
98	Delete Trade Report	0 ¹⁰

¹⁰ In case MiFID OTC trade reporting services are supposed to be used, the resource needs to be enabled.

4.2.4 Example for Designated Sponsor/Liquidity Manager

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	1
7	Enter Order	1
8	Modify Order	1
9	Delete Order	1
10	Inquire Quote	1
11	Enter Quote	1
12	Delete Quote	1
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	0
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	1
55	Modify Stop Order	1
56	Delete Stop Order	1
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	1
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	1
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.5 Example for Issuer

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	1
7	Enter Order	1
8	Modify Order	1
9	Delete Order	1
10	Inquire Quote	1
11	Enter Quote	1
12	Delete Quote	1
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	0
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	1
30	Inquire Instrument Trading Control	1
31	Modify Instrument Trading Control	1
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	1
55	Modify Stop Order	1
56	Delete Stop Order	1
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	1
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	1
80	Enter Mass Quote	1
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	1
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.6 Example for Specialist

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	1
7	Enter Order	1
8	Modify Order	1
9	Delete Order	1
10	Inquire Quote	1
11	Enter Quote	1
12	Delete Quote	1
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	0
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	1
30	Inquire Instrument Trading Control	1
31	Modify Instrument Trading Control	1
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	1
55	Modify Stop Order	1
56	Delete Stop Order	1
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	1
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	1
78	Subscribe Specialist Stream	1
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	1
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	1
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.7 Example for Best Executor

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	0
7	Enter Order	0
8	Modify Order	0
9	Delete Order	0
10	Inquire Quote	1
11	Enter Quote	1
12	Delete Quote	1
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	0
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	0
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	0
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	0
55	Modify Stop Order	0
56	Delete Stop Order	0
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	1
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	0
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.2.8 Example for Back-Office Staff

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	0
7	Enter Order	0
8	Modify Order	0
9	Delete Order	0
10	Inquire Quote	0
11	Enter Quote	0
12	Delete Quote	0
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	1
20	Inquire Trade	1
21	Modify Trade	1
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	1
26	Modify Report Selection	1
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	0
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	0
48	Reset Password	0
49	Approve OTC Trade	1
50	Enter OTC Trade	1
51	Delete OTC Trade	1
53	Inquire OTC Trade	1
54	Enter Stop Order	0
55	Modify Stop Order	0
56	Delete Stop Order	0
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	1
60	Inquire Subgroup List	0
61	Inquire Subgroup License	0
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	1
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	0
92	Start Heartbeat	0
93	Subscribe All Trade Prices	0
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0 ¹¹
98	Delete Trade Report	0 ¹¹

¹¹ In case MiFID OTC trade reporting services are supposed to be used, the resource needs to be enabled.

4.2.9 Example for Information User

ResCode	ResName	Setting
1	Inquire User List	0
2	Inquire User	1
3	Add User	0
4	Modify User	0
5	Delete User	0
6	Inquire Order	0
7	Enter Order	0
8	Modify Order	0
9	Delete Order	0
10	Inquire Quote	0
11	Enter Quote	0
12	Delete Quote	0
13	Enter Quote Request	0
14	Login	1
15	Logout	1
16	Change Password	1
17	Inquire Instrument List	1
18	Inquire Instrument	1
19	Inquire Own Trade	0
20	Inquire Trade	0
21	Modify Trade	0
22	Inquire News List	1
23	Inquire News	1
24	Inquire Report Selection List	0
26	Modify Report Selection	0
27	Inquire Current Subgroup License	1
29	Delete all Orders and Quotes	0
30	Inquire Instrument Trading Control	0
31	Modify Instrument Trading Control	0
32	Inquire Inside Market	1
33	Request Broadcast Retransmission	1
34	Inquire Exchange Information	1
35	Subscribe Inside Market	1
36	Subscribe Quote Request	1
37	Subscribe State Change Information	1

ResCode	ResName	Setting
38	Subscribe Order Confirmation	1
39	Subscribe Quote Confirmation	1
40	Subscribe OTC Information	1
41	Subscribe DS/LM Quote Request	1
42	Subscribe News	1
43	Subscribe Ticker	1
44	Subscribe Trade Confirmation	1
45	Subscribe Detect Gap	1
47	Inquire Public Order Book	1
48	Reset Password	0
49	Approve OTC Trade	0
50	Enter OTC Trade	0
51	Delete OTC Trade	0
53	Inquire OTC Trade	0
54	Enter Stop Order	0
55	Modify Stop Order	0
56	Delete Stop Order	0
58	Inquire Instrument Group List	0
59	Inquire Instrument Group	0
60	Inquire Subgroup List	0
61	Inquire Subgroup License	0
62	Add Subgroup License	0
63	Delete Subgroup License	0
64	Inquire Subgroup Instrument Group Assignment List	0
65	Add Subgroup Instrument Group Assignment	0
66	Delete Subgroup Instrument Group Assignment	0
70	Inquire Current Instrument Group List	1
71	Inquire Current Instrument Group	1
73	Inquire Current Subgroup Instrument Group List	1
76	Inquire Order Fee	0
77	Specialist Inquire Orderbook	0
78	Subscribe Specialist Stream	0
79	Subscribe Issuer Stream	0
80	Enter Mass Quote	0
81	Inquire Filtered Instrument List	1
82	Enter Energy Hourly Bid	0
83	Delete Energy Hourly Bid	0

ResCode	ResName	Setting
84	Inquire Energy Hourly Bid	0
85	Enter Energy Block Bid	0
86	Modify Energy Block Bid	0
87	Delete Energy Block Bid	0
88	Inquire Energy Block Bid	0
89	Inquire Energy Auction Detail	0
90	Inquire Energy Exchange Parameters	0
91	Inquire All Trades	1
92	Start Heartbeat	0
93	Subscribe All Trade Prices	1
94	Inquire Default BEST Executor	0
95	Maintain Default BEST Executor	0
96	Inquire BEST Executor Flow Provider	0
97	Enter Trade Report	0
98	Delete Trade Report	0

4.3 Job Aids / Quick Reference

4.3.1 User Set Up

Activity	Window/Done via	In Charge
Step 1: Setting up Xetra Member		Deutsche Börse
Step 2: Setting up Xetra User		Security Administrator Security Administrator
1. User Identification <ul style="list-style-type: none"> • Unique user ID • User Name • Selection of Trading Accounts (A,P,D,Q,E,I,L) • Default BEST Executor Services • Selection of a Settlement Account • Identification of Senior Traders • Assignment of Maximum Order-Value 	User Entry	
2. Functional Access Rights	User Entry/ Maintenance	Security Administrator
3. Assignment of Instrument Groups with	Subgroup Assignment Maintenance	Security Administrator
4. Assigning Instrument Groups to Designated Sponsor, Liquidity Manager or Best Executor Subgroups	Subgroup License Maintenance	Security Administrator
5. Assignment of Best Executor-Flow Provider relationship	Performed online by the exchange. Becomes effective immediately.	Deutsche Börse
6. Assigning Instrument to Issuer/Specialist Subgroups	Performed during end-of-day processing according to WSS-Master instrument reference data.	Deutsche Börse
Step 3: Activating Xetra Traders		Deutsche Börse

4.3.2 Naming Conventions for Xetra User IDs

	Member ID	Subgroup ID	User ID	
Range	1-5	6-8	9	10-11
Description	<ul style="list-style-type: none"> • Provided by the exchange 	<ul style="list-style-type: none"> • Defines common subgroup Order/Quote Book for Senior Traders • Always "MBR" for all Security Administrators • Always "ORS" for Order Routing • Always starting with a "U" for members in the United States 	<ul style="list-style-type: none"> • S for Security Administrators 	<ul style="list-style-type: none"> • Px for Security Administrators
Examples: ¹²				
<ul style="list-style-type: none"> • Traders (proprietary trading) 	ABCFR	PRO	0	01
<ul style="list-style-type: none"> • Traders (agent trading) 	ABCFR	AGT	0	01
<ul style="list-style-type: none"> • Security Administrators 	ABCFR	MBR	S	P1
<ul style="list-style-type: none"> • Traders of US members (proprietary trading) 	ABCNY	UPT	0	01
<ul style="list-style-type: none"> • Order Routing 	ABCFR	ORx	0	01
<ul style="list-style-type: none"> • Default Quote Provider 	ABCFX	QPR	0	01