

Name Registration Service for the Danish Market

Service Description Document

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EURONEXT SECURITIES

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1. Introduction

Euronext Securities Copenhagen is adapting to changes related to the collection of shareholder data for investors that want to keep their name registered in the issuer's registry system.

These changes have an impact on the current account model, based on segregated account structures, and as such the holding details of the shareholders are not automatically registered at Euronext Securities Copenhagen or at other Shareholder Registry Service Providers. To surpass this limitation, Euronext Securities Copenhagen has therefore developed a service to ensure the registration of these holding details.

Through this service, Euronext Securities Copenhagen will:

- Receive shareholder identity and holding information from CSD participants;
- Replace the provided identifiers by the CPR, CVR, LEI with standardized investor identification numbers;
- Maintain a correspondence table linking investor identification numbers to investor accounts;
- Route processed shareholder information to the relevant Shareholder Registry Service Providers.

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1.1 Target audience

The target audience for this document is Euronext Securities Copenhagen CSD participants submitting shareholder information to the Name Registration Hub, and Shareholder Registry Service Providers managing shareholder registers on behalf of issuers.

1.2 About this SDD

This SDD details the operational procedures for the Name Registration Hub, including:

- Detailed descriptions of scope and eligible securities;
- Step-by-step processing flows from shareholder activity to registry updates;
- Validation and quality control procedures;
- Investor identification management processes;
- Message formats and communication protocols;

- Special handling procedures for service provider changes and shareholder removal.

For more information on topics not covered by this SDD, please refer to:

- Euronext Securities Copenhagen user guidelines and rules;
- individual CSD participant operational procedures;
- individual Shareholder Registry Service Provider specifications.

2. Scope and Main Features of the Name Registration Service

This chapter provides a high-level description of the features and scope of the Name Registration Hub.

2.1 What securities are impacted?

All securities (equities, funds, etc.) for which the issuer contracts the registry service provider to manage the security register for the ISINs registered in the Euronext Securities Copenhagen CSD and that are eligible for the Name Registration Hub.

2.2 Eligible CSD participants

A CSD participant is a legal entity that holds securities accounts with Euronext Securities Copenhagen, either for itself or for its clients. It may also provide custody and account operator services offered by Euronext Securities Copenhagen.

Euronext Securities Copenhagen participants may submit shareholder information to the Name Registration Hub in the following cases:

- Participants that continue to use segregated accounts: no change is expected in the proposed Name Registration Hub service.
- Participants that move to omnibus accounts: they must submit all shareholder updates compared with the previous business day, including new, changed, and deleted records.

2.3 Activities triggering name registration

Name registration is triggered by shareholder activities that require updates to the shareholder register:

- Changes in securities holding quantities;
- Opening of new accounts for existing shareholders;
- Closure or liquidation of shareholder accounts;
- Changes to shareholder contact information;
- Shareholders' request to be included or excluded from the registry.

3. Processing of Name Registration

This chapter describes in detail how the Name Registration service processes shareholder information from receipt through delivery to registry service providers.

Figure 1: High-level structure of Name Registration service

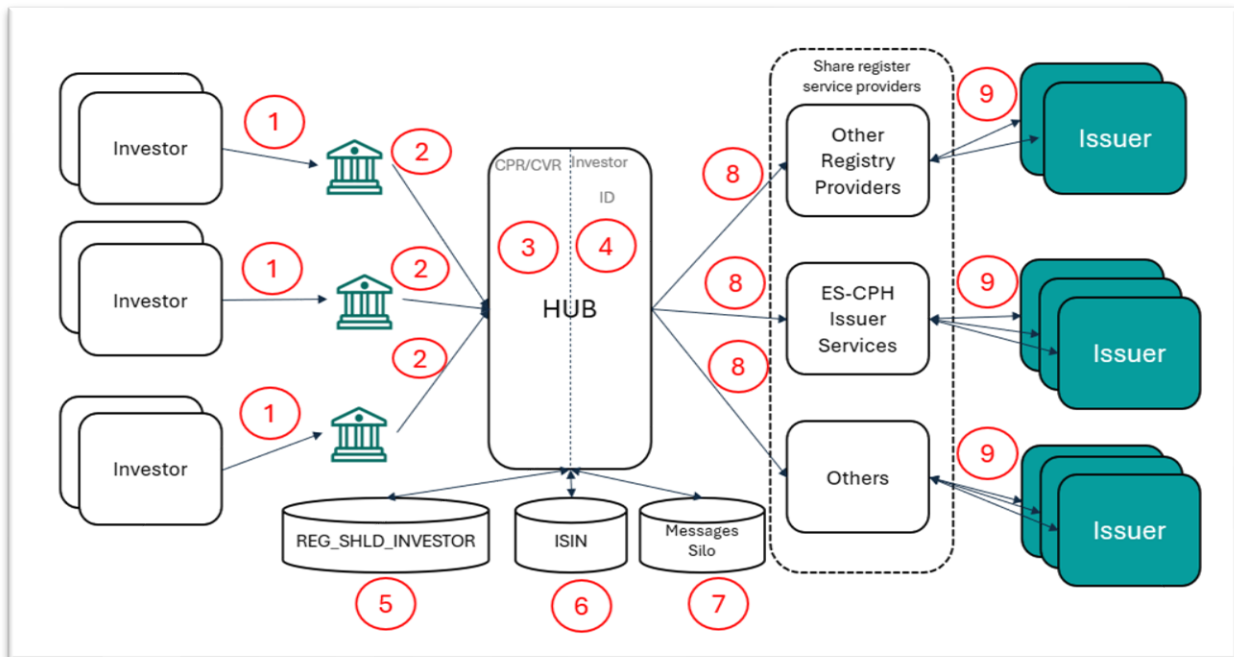


Diagram legend:

1. Shareholders perform their activity (change of address, buy or sell securities, and open or close accounts);
2. Participants consolidate at the end of day the changes created by the shareholder activity and create a message to the Name Register Hub. The main changes are reflected, by including among other data points, the ISIN, account number, related omnibus account, end of day holding, name, address. At the end of the transmission there shall be information to secure integrity;
3. The Name Register Hub receives the messages and checks their integrity. The Hub then filters the CPR/CVR/LEI number through the investor number database and replaces it with the Investor ID. If there is no CPR/CVR/LEI, a new Investor ID is created and the database is updated. The received messages from Participants are stored in the data silo;
4. After all messages are received and all changes have a corresponding Investor ID, the Name Register Hub will filter the Register Service Provider for each ISIN;
5. The investor number database holds the connection between the CPR/CVR/LEI and the investor ID;
6. The ISIN database holds the connection between the ISIN and the Register Service Provider that maintains the issuer's shareholder register;

7. The messages silo corresponds to the Participant messages received and stored in the database;
8. The Name Register Hub sends the messages to the Service Providers and checks the message integrity;
9. The Register Service Providers update their shareholder registries.

3.1 Life cycle: from shareholder activity to registry update

The Name Registration Hub follows a defined lifecycle, from CSD participant-reported activity through final delivery to registry service providers. It allows for the register service provider to consolidate all intraday submissions into an end-of-day statement of holdings.

3.2 Declaration processing (shareholder data submission)

Euronext Securities Copenhagen CSD participants may submit shareholder information either continuously throughout the day, or as one aggregated daily file. The same file format applies in both cases.

Submissions are accepted at any time during the day with a pre-defined cut-off (timing to be defined).

Euronext Securities Copenhagen CSD participants are responsible for providing complete and accurate shareholder information. Apart from the formal validation checks listed in Section 3.3:

- Euronext Securities Copenhagen will not complete shareholder information on behalf of CSD participants;
- Euronext Securities Copenhagen will replace the CPR/CVR/LEI information with the investor identification number;
- data quality and accuracy remain the responsibility of the submitting CSD participant.

Recommendations for Participants:

- Submit shareholder information as early as possible, ideally immediately after the end of the business day;
- Implement daily review procedures to verify data completeness;
- Maintain back-up copies of all submitted information;
- Test message formats thoroughly before production submission.

3.2.1 Message format

Each shareholder information submission consists of two parts:

1. Header section - Contains administrative information
 - Submission identifier and timestamp;
 - CSD participant identification (LEI code).
2. Detail section - Contains individual shareholder records:
 - Shareholder identification (CPR, CVR, LEI);
 - Bank account number and CSD participant identification;
 - Security ISIN and holding quantity;
 - Shareholder contact details.

For more details, please see [Annex 1](#) of this document.

3.2.2 Transmission of shareholder information

Shareholder information must be transmitted using one of the approved communication means ([see section 3.8](#)). Messages must follow the defined format and encoding standards. The system will acknowledge receipt and provide validation status within the specified timeframe.

Participants are not expected to create new MQ channels. The current MQ setup will be routed to the message hub.

3.3 Checks and validation after receipt

Upon receipt of shareholder information, the system performs the following checks on the submission header:

- CSD participant exists and is active;
- Submission identifier is unique;
- Total shareholder count matches detailed records received;
- Required fields are present and format is compliant;
- ISIN exists in the CSD securities database;
- Holding quantity is numeric and positive (or zero for removal).

Based on validation results, the system provides an acceptance or rejection response via the status response message ([see Annex 2](#)). Rejected submissions must be corrected and resubmitted by the CSD participant.

3.4 Segregation and routing to registry service providers

After processing, the Name Registration Hub segregates shareholder information by ISIN and routes it to the appropriate Registry Service Provider.

The segregation process involves replacing the CPR/CVR/LEI number with the investor ID and retrieving the assigned Shareholder Registry Service Provider from the ISIN configuration table.

3.5 Special scenarios for shareholder removal

There are multiple scenarios that require special handling for shareholders to be removed from the registries, informed in the MQ message.

1. Shareholder closes/sells holdings in the account held with a CSD participant:
 - All ISIN's associated with the account are marked for removal;
 - Registry Service Provider receives zero quantity for all ISIN's;
 - Investor ID remains in correspondence table for 90 days.
2. Shareholder requests removal from registry:
 - CSD participant sends zero quantity for all ISIN's;
 - Registry Service Provider removes shareholder from registry;
 - Investor ID remains available for future registration.

CSD participants indicate removal by submitting a message with:

- Valid CPR/CVR/LEI and account number;
- ISIN to be removed;
- Quantity field set to zero.

On receipt of a removal request, the Name Registration Hub:

- Validates the removal instruction;
- Updates the correspondence table;
- Notifies the Registry Service Provider with zero quantity;
- Retains historical record for 90 days.

Upon receipt of zero quantity, the Registry Service Provider will remove the shareholder record. If the shareholder reappears within 90 days (purchases new shares), the Investor ID is reactivated and the registry is updated.

3.6 Occasional full load requests for ISIN changes

When an issuer changes its Shareholder Registry Service Provider, a complete shareholder list of the shareholders that have requested to be included in the register must be transferred to the new provider.

The procedure for activating a full load request is as follows:

- Issuer notifies Euronext Securities Copenhagen of service provider change;
- New Registry Service Provider submits a full load request via the Shareholder Identification Disclosure Request (SWIFT seev.045 message).

Requirements for placement of the request by the Registry Service Provider:

Field	Value	Notes
Disclosure Reference	ISIN + "FULL LOAD"	Uniquely identifies the request
SRDII Indication	No	Regulatory disclosure flag
Record Date	Future settlement date	Date for which holdings are reported
Threshold Quantity	Zero	Report all shareholders
Date of Ownership Published	Yes	Confirm data currency
Recipient LEI	529900HDNBQ2DD0QHJ07	Euronext Securities Copenhagen

Upon receipt of a full load request, CSD participants using omnibus accounts must:

1. Identify all shareholders that wish to be included in the registry for the specified ISIN as of the record date;
2. Prepare the voluntary registry shareholder listing with all required details;
3. Submit via MQ ISO 20022 message in accordance with [Annex 1](#) datapoints;
4. Update Investor IDs according to standard rules;
5. Ensure all shareholders are included, even if no recent activity.

If Participants are using the segregated account model, no action is required since the data is sourced by the Euronext Securities Copenhagen internal systems.

3.7 Third-party information ("*ejerbogsnavn*")

A third party, ("*ejerbogsnavn*" in Danish) is a person or institution nominated by a shareholder to exercise shareholding rights on the shareholder's behalf.

If a shareholder has nominated a third party to represent them in the registry:

- The third-party details are submitted instead of the beneficial shareholder details;
- The third-party appears in the shareholder registry with their own Investor ID;
- The beneficial shareholder relationship is maintained outside the system.

For data privacy reasons, third parties' CPR/CVR numbers are not shared with the Name Registration service. Instead:

- CSD participant submits a "mock number" for the third party;
- Mock number format: CSD participant Bank ID + unique sequential number (e.g., "1234-0001");
- System creates Investor ID based on the mock number;
- Registry Service Provider receives third party information with the mock number.

3.8 Communication means

Shareholder information and control messages may be transmitted using the following approved communication channels:

- MQ (Message Queue) messaging to specified Euronext Securities Copenhagen queue;
- SWIFT messaging request from the shareholder registry service provider (seev.045 for full load requests).

Message specifications:

- Format: ISO 20022.

Annex

Annex 1 – ‘Update holdings’ message from participants

Field	Description	Format	Length	Numerical / Alphanumerical
Message Identification for the day:				
Message ID	Unique reference for the message	Free	35	Alphanumerical
Record date	Date of the message sending	YYYY-MM-DD	10	Alphanumerical
Sending intermediary identification:				
Responding intermediary ID	LEI code of the intermediary sending the message	Free	30	Alphanumerical
Responding intermediary name	Name of the intermediary sending the message	Free	350	Alphanumerical
Omnibus account number	Account number related to the omnibus account in ES-CPH	Free	35	Alphanumerical
Legal person details:				
Shareholder account	Account between the shareholder and the sending bank	Free	17	Alphanumerical

Field	Description	Format	Length	Numerical / Alphanumerical
Name of legal entity	Name by which the shareholder is known	Free	350	Alphanumerical
Address 1	First line of shareholder's postal address. Note that different types of addresses are possible (postal address, PO box, etc.)	Free	70	Alphanumerical
Address 2	Second line of address		70	Alphanumerical
Post code of holder	Post code of address	Free	9	Alphanumerical
City name	City name of address	Free	35	Alphanumerical
Country Code of the address	ISO 3166 country list	Free	2	Alphanumerical
Shareholder email	Email address of the shareholder	Free	256	Alphanumerical
Identification number	LEI code number - Non-Danish entity CVR number - Danish entity If third party: Mock number (Bank ID + Unique number)	Free	35	Alphanumerical
Natural person details:				
Shareholder account	Account between the shareholder and the sending bank	Free	17	Alphanumerical

Field	Description	Format	Length	Numerical / Alphanumerical
Name of legal entity	Name by which the shareholder is known	Free	350	Alphanumerical
Address 1	First line of shareholder's postal address. Note that different types of addresses are possible (postal address, PO box, etc.)	Free	70	Alphanumerical
Address 2	Second line of address	Free	70	Alphanumerical
Post code of holder	Post code of address	Free	9	Alphanumerical
City name	City name of address	Free	35	Alphanumerical
Country Code of the address	ISO 3166 country list	Free	2	Alphanumerical
Shareholder email	Email address of the shareholder	Free	256	Alphanumerical
Identification number	CPR number - Danish Entity If third party: Mock number (Bank ID + Unique number)	Free	35	Alphanumerical
Holding details:				
ISIN	ISIN for the disclosure	Free	12	Alphanumerical
ISIN Name	ISIN name for the disclosure	Free	140	Alphanumerical

Field	Description	Format	Length	Numerical / Alphanumerical
Holding Quantity	Holding quantity for the ISIN being disclosed related to the net holding for the day If the shareholder account is to be deleted, then the quantities related to the ISIN that were in the account must be setup to zero	Free	18+6	Numerical
Initial date of acquisition	Initial date on which the shareholder acquired the securities	YYYY-MM-DD	10	Alphanumerical

Annex 2 – Status update to participants

Field	Description	Format	Length	Numerical / Alphanumerical	Notes
Connection with the previous received message:					
Message Received ID	Connection with the previous message ID received for status notification	Free	35	Alphanumerical	Same reference as the message received
Record date	Connection with the previous message record date for status notification	YYYY-MM-DD	10	Alphanumerical	Same record date as the message received

Field	Description	Format	Length	Numerical / Alphanumeric	Notes
Sending intermediary information:					
Responding Intermediary ID	Connection with the previous message LEI code received for status notification	Free	20	Alphanumeric	Same LEI code as the message received
Responding Intermediary Name	Connection to the name of the Intermediary received for status notification	Free	350	Alphanumeric	Same name of the intermediary as the message received
Omnibus account number	Connection to the account number related to the omnibus account in ES-CPH received for status notification	Free	35	Alphanumeric	Same omnibus account numbers as the message received
ISIN's in the sent message:					
ISIN	Connections to the identified ISIN's received	Free	12	Alphanumeric	Same ISIN's present in the message received
If message accepted					
Acceptance	Message will be accepted for processing	NORE	4	Alphanumeric	Length, format of the dates, and quantity fields are numerical

Field	Description	Format	Length	Numerical / Alphanumeric	Notes
Addition Information for the records	Records received per ISIN	ISIN - Number of records received	12 + 3 + 10	Alphanumeric	ISIN " - " 0000000000
If message rejected:					
Rejection	Invalid format for the message fields	LENG FORM QUNT	4	Alphanumeric	The message fields have errors in: <ul style="list-style-type: none"> ▪ Length ▪ Format <p>Quantity field is not numerical</p>

Annex 3 - General shareholder service message outbound

Field	Description	Format	Alphanumerical/ Numerical	Length	Notes
Name of the shareholder	Name of the person or entity, or in the applicable cases the third party, to which the securities should be registered	Free	Alphanumerical	350	
Shareholder address line 1	First and second line of the address of the shareholder given above	Free	Alphanumerical	70	
Shareholder address line 2				70	
Country of the Address lines	Address country	ISO 3166	Alphanumerical	2	
Post code of holder	Address post code	Free	Post code of holder	9	
City name	Address city	Free	City name	35	
Shareholder email	Email address of contact of the shareholder	Free	Alphanumerical	256	
Investor Identification	The investor identification number that replaced the	Free	Alphanumerical	15	

Field	Description	Format	Alphanumerical/ Numerical	Length	Notes
	CPR/CVR/LEI number provided by the Participant				
Shareholder account number	The account number of the shareholder in accordance with the information provided by the Participant	Free	Alphanumerical	17	
Responding Intermediary Identification Code	The Participant code in Euronext Securities Copenhagen database that has responded with the shareholder details	Free	Alphanumerical	30	An adaptation should be made to retrieve the identification code from the Euronext Securities Copenhagen database, in accordance with the identification LEI code provided by the Participant in its response
ISIN	Security ISIN code	Free	Alphanumerical	12	
ISIN Name	Name of the Security associated to the ISIN provided	Free	Alphanumerical	140	
Issuer Participant Information	The Issuer Participant Identification code in the	Free	Alphanumerical	5	Issuer Participant Identification code must be fetched from the ISIN

Field	Description	Format	Alphanumerical/ Numerical	Length	Notes
	Euronext Securities Copenhagen database				table based on the ISIN provided
ISIN Type	The type of security ISIN in the Euronext Securities Copenhagen database	Free	Alphanumerical	140	ISIN type must be fetched from the ISIN table based on the ISIN provided
Currency code	The currency code associated to the ISIN in the Euronext Securities Copenhagen database	Free	Alphanumerical	3	The currency code must be fetched from the ISIN table based on the ISIN provided
Holding quantity	The quantity of securities for the ISIN and the identified shareholder at the record date	Free	Alphanumerical	18+6	
Record date	The date on which the Name Register Hub received the Participant information and provided the information to Euronext Securities Copenhagen	YYYY-MM-DD	Alphanumerical	10	

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