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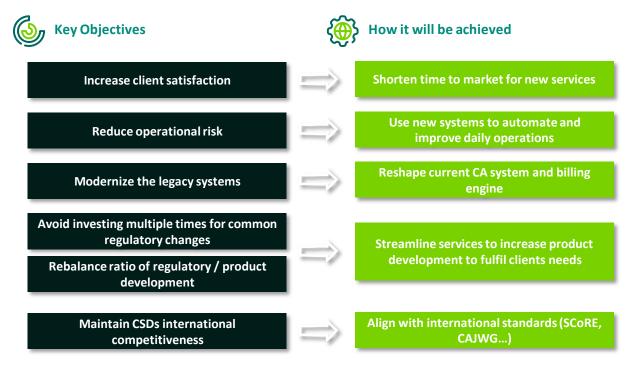


# **Creating the foundation**

Harmonization and standardization

## **CA4U** initiative key objectives

Our ambition is to work on a common solution based on below objectives







### **Implementation Timeline**

#### **Main Objective**

# Single common Corporate Actions platform across all CSDs for all asset classes

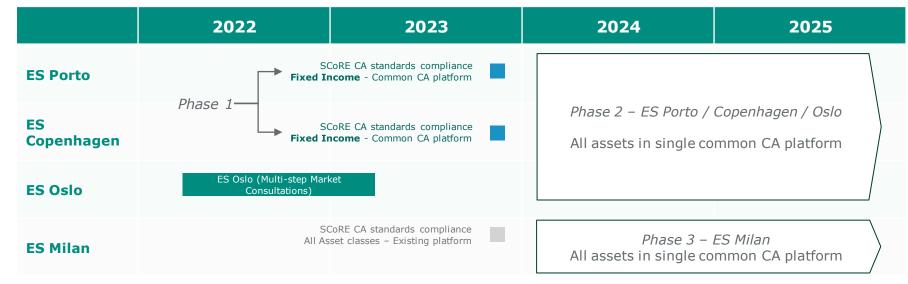
Market-by-Market implementation



Phase migration, onboarding of various asset classes and CSDs in future phases.



First goal of ensuring compliance with the SCoRE standards and manage project risks.





# Standardize and harmonize Corporate Events processes across all our markets

The goal is to standardize and harmonize the lifecycle of each Corporate Event across all CSDs, regarding Issuer and Investor CSD services. In particular, the harmonization will cover all CA\* processes and underlying connectivity means:

#### CA set-up

- Web GUI available to Issuers/Account Operators to set up events
- Scheduled CA creation available
- Possibility to create events via screens or ISO messages

#### Notification process

Reporting available via ISO15022/20022 and web GUI

- Zero
- holdings/incoming positions reporting available
- Tax treatments

#### Entitlement calculation and instructions management

- Inx acceptance/rejection
- Fractions management
- Uninstructed balance/ Reminders
- (RaS, etc.)

#### Payment process & notification

- Harmonized booking process
- STP messaging (ISO15022/20022)
- CeBM & CoBM payments management

#### Market Claims & Transformation

- Detection period definition
- Harmonized booking process
- STP messaging (ISO15022, 20022)



<sup>\*</sup>A corporate action (CA) is defined as an action or event decided by the issuer of a security which has an impact on the holders of that security. Participation in the CA event may be optional, in which case holders have a choice. Alternatively, participation may be mandatory, in which case holders have no choice.



# **Corporate Actions Strategic Aims**

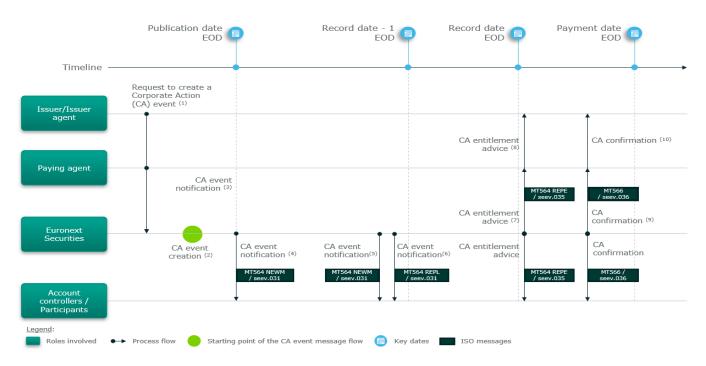
Foster benefits for the clients, and removal of cross-border barriers

U2A Same interfaces across Euronext Securities A2A Harmonised ISO 15022 and 20022 A2A Single MyStandards common to Euronext Securities U2A & A2A Full harmonisation within Euronext Securities **Standards** CAJWG, SCORE, CASG, SHID full compliance Non standards Harmonised interaction (e.g. issuer / paying agent) Operations Strengthen operational resilience Tax Support tax and fiscal services Cash management CeBM and CoBM coverage Currencies More than 18 supported currencies (4 in CeBM) Infrastructure One common infrastructure **General meeting** Support ESG goals (e.g. Virtual General Meeting)



# **Example of standardized mandatory CA processing**

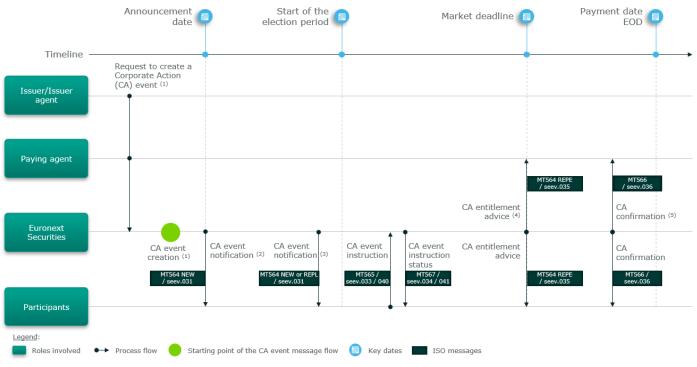
Here's an example of a mandatory corporate action event management, relative messages flows and the interaction with the different actors involved.





# **Example of standardized elective CA processing**

Here's an example of a elective corporate action event management and the interaction with the different actors involved.







# Single Collateral Management Rulebook for Europe: SCoRE

Harmonization and standardization

# **Collateral management harmonisation**

#### What is SCoRE?

SCoRE is a Single Collateral Management Rulebook for Europe, which defines common rules for managing collateral.

#### **Benefits**



#### **Improvements**

- Creation of a single Rulebook
- Based on international messaging standards
- Enabling straight through processing (STP)
- Facilitating interoperability
- Increase availability of collateral



#### **Harmonised processes**

The harmonised processes will make it easier for participants, banks and investors to buy and move securities safely and efficiently without restrictions in Europe and use them as collateral.

#### **ECMS**

The Eurosystem Collateral Management System (ECMS) is a unified system for managing collateral, with expected launch November 2023.

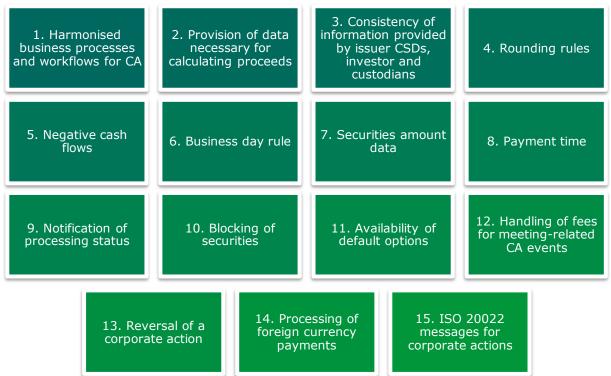
#### **SCORE**

Complying with the SCoRE standards is a prerequisite for operating in the ECMS system. The SCoRE standards sets a new set of rules and standards for Corporate Actions, Billing, Triparty collateral, Taxation, Bilateral Collateral management, Margin calls, Cot-off times, static data, sourcing of collateral and non-euro collateral.



# **SCoRE Corporate Actions standards**

AMI-SECO has defined 15 Corporate Actions standards





#### SCOPE: AREAS FOR CORPORATE ACTIONS STANDARDISATION

Target is one common scope for all CSDs

#### CSD CA LIFECYCLE STEPS AND FEATURES Management of updates, CA calculation / processing (incl. Notification, **CA Event & Standards CA creation and Notification Settlement Dependencies Reporting & Tax** options, subscription Payment, distribution of securities) Options instructions **Processing / Calculation** Settlement dependencies Tax calculation / CA events supported CA event setup · ECMS / SCoRE, CAJWG and • CA Creation / Registration by • Corporate Actions elections & · Mandatory cash and securities distributions • Interaction w/ Settlement reporting CASG standards supported Web Screens default option · Mandatory reorganisation with or without options Settlement windows for · File upload · Reporting and applying results of · Voluntary reorganisation with or without options Corporate Action types and CA processing Regulatory reporting rules STP: ISO messages (Investors elections / subscription CA entitlement & payment calculation Fixed Income CSD activity) · Blocking of securities · Accounting day / Calendar / Dates for applying CA Non standards · Equities & other asset · STP: issuers / issuers agents · Reminder of uninstructed · Rounding rules & Handling of Fractions human readable · Greenlight mechanism reporting to clients classes (ISO?) securities · Transaction management CA Creation / Registration NFRs Buver protection · Processing of foreign currencies and internal (MKC & T) · Loan schedule & CA generation Restructuring operations · CA rules, data & format Reversals validation for creation

#### COMMUNICATION, CLIENT INTERFACE, CSD ADMINISTRATION, 3RD PARTY INTEGRATION, TECHNICAL & TRANSVERSAL

#### **STP Communication**

- ISO 15022 for CA (one format for all CSDs)
- ISO 20022 for CA (one format for all CSDs)
- CSD Prop formats, messages & files (short terms support)
- Client subscription and routing
- · STP Data provider integration

- Issuer and issuer agent portal / GUI
- Investors portal / GUI

Account & Securities Ref. data

· Securities referential data

· Account referential data · Eligibility & exclusions

- End investors portal / GUI
- · Data feeds screen interface
- Internal Operations interface

#### **Communication screens**

#### Technical & Legal Requirements & Integration with CSD systems

- Scalability
- · Business continuity
- Technical & security requirements
- · Integration with other CSD services and applications & billing

Transaction management

Market Claims

Transformation

#### **CSD Administration**

- Audit Trail
- · Error view and management
- · CA run and performance reporting
- · Administrator view & features
- · Alerts & alert management





# Whitepaper genesis

Harmonization and standardization

# The whitepaper approach

Starting point for phase 2 and 3 is to create a single document of reference describing the Euronext Securities Corporate Events service.

#### ✓ Principles and scope:

- This document will describe the future CA service that ES will provide throughout all 4 markets; in line with CAJWG, SRD I & II, CASG and SCoRE standards.
- This document will be a client-oriented document (i.e. agnostic of the applications).
- Each chapter will provide a description of the commonly agreed target and model; in case of a deviation an arbitration will be required to be done through specific defined committees.
- The content structure will follow the CA lifecycle: creation, mandatory cash distributions, stock distributions, reorganizations, elective, market claims, transformation, etc.

#### Timeline:

- All CSDs will contribute in reviewing and completing the document from now until end of 2023.
- The Service Description Document (SDD) will be used as baseline for the discussion with our Clients in the planned User Groups/Steering Committees

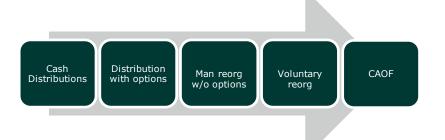




# Plan for whitepaper approach

#### CA standards process

- Approach per CA group events (Mandatory & Voluntary)
- Issuer & Investor CSD offering considered



# Non-standard CA process and complementary processes included

#### CA event set-up

- U2A
- A2A (ISO)

Tax services

#### Communicating channels

- U2A
- A2A (proprietary)





# **Deep dive on Euronext Securities Oslo**

New roles

- New harmonized Roles
- Corporate Actions Cash payments in Central Bank Money
- Corporate Actions Securities payments in settlement system

#### **FOCUS ON SOME NORWEGIAN CURRENT CA MARKET PRACTICES**

Ways to harmonize current CA market practices to international standards

**CA Securities dumps CA** cash payments Market claims Holdings are created directly CA payments are made via MPS Local market practice available on clients' safekeeping infrastructure in CoBM. accounts by the IAO. AS-No good use of liquidity coming No settlement instructions from CA payments generated No pre-advice nor final notification No kick back possible by is sent by the CSD custodians No settlement instructions CA lifecycle non fully generated managed by the CSD Harmonization proposed CA lifecycle completely CA lifecycle completely managed by Definition of the detection managed by the CSD period & rules the CSD CA stock payments directly CA cash payments directly managed CA cash payments directly TOmanaged by the CSD via by the CSD via Central Bank Money managed by the CSD via Central BE settlement system Bank Money for institutional clients ISO15022/20022 notifications Payments in currencies different ISO15022/20022 notifications provided to clients from NOK to be determined with provided to clients clients Market claims generated real ISO15022/20022 notifications time provided to clients



# **Cash and Securities in the Settlement System**

#### **Securities Payments**

• The Corporate Actions payments of securities will be processed in the securities settlement systems. As free of payments or delivery verses payments

#### **Cash Payments**

- The Corporate Action Payments of cash for Norwegian Krones will be made as Payment Free of delivery or delivery verses payments in Central Bank Money
- There will be two different payments flow depending on the type of account operator.
- One flow is for the European flow which is similar to the T2S model for account operators
- The other flow follows a local set-up, utilising central bank money but also the Norwegian Interbank Clearing System. This is in place to cater for the large retail base with interacts directly with the Euronext Securities Oslo systems







# **New Role Structure**

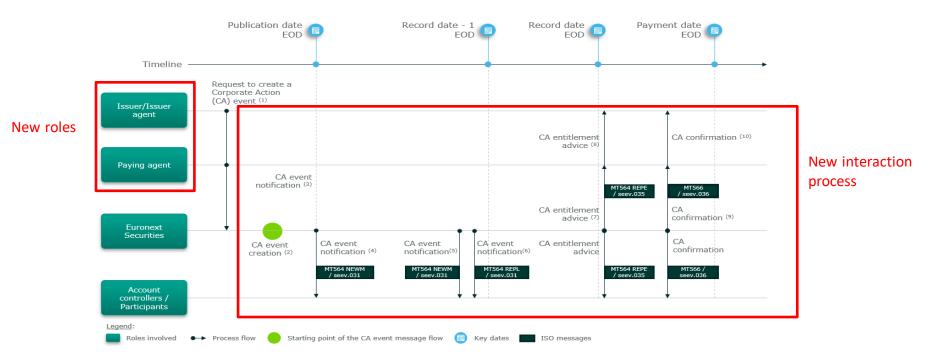
3 new roles

- Issuer Agent
- CSD Operator
- Paying Agent



# Example of standardized mandatory CA processing

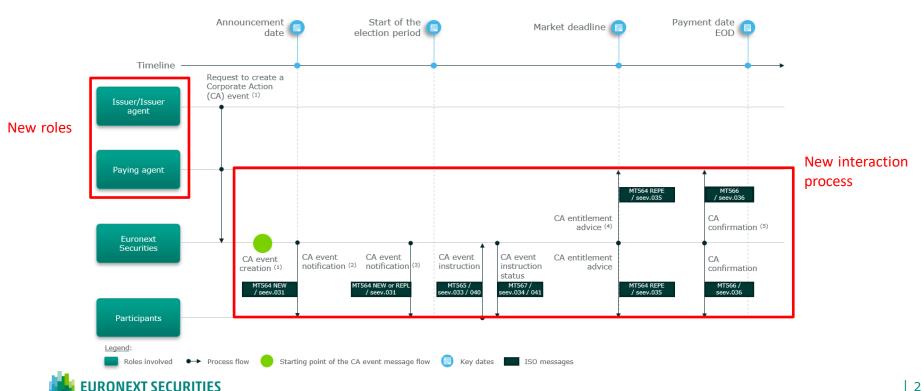
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# **Example of standardized elective CA processing**

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# **Paying agent**

Introduction

# Paying Agent role in relation to ES - OSL

- One of the new CSD roles required by European standards- for the processing of cash distribution events is the role of a Paying Agent
- According to European standards where possible cash distribution payments shall be executed through central banks in Central Bank Money (CeBM) by Paying Agents
- In ES-OSL a Paying Agent is commissioned by an Issuer Agent to handle an Issuers cash distribution payments for the two payments processes; 1) the professional (via Account Operator's) and 2) retail investors, that are eligible to participate in a cash distribution event
- An Issuer Agent must have an agreement with a Paying Agent for all cash distribution events processed through ES-OSL
- A Paying Agent must have a LOM in Norges Bank for the funding of cash distributions
- The Paying Agent's LOM to be used for the cash distribution is identified by ES-OSL through the Securities Account connected to each Corporate Action cash distribution event
- The Paying Agent should receive funding for a cash distribution event from the Issuer Agent on the Paying Agent's LOM in Norges Bank. ES-OSL will distribute received Corporate Action cash distribution amount in Norges Bank. The Corporate Actions cash distribution amounts will be netted together with settlement amounts
- The Issuer Agent and Paying Agent can be the same entity, or not



# Paying Agent role in relation to ES - OSL

- ES-OSL will send the Paying Agent information of the total amount of a cash distribution that should be available on the Paying Agents LOM in time for ES-OSLs first settlement batch on the Payment Date of the cash distribution event
- The Paying Agent confirms to ES-OSL that funding for the cash distribution is available on the Paying Agents LOM = green light. At receipt of the green light ES-OSL will initiate the payment of the cash distribution
- If the Paying Agent does not receive cash for funding from the Issuer Agent before 12.00 on the Payment Date of the cash distribution event the Paying Agent should notify ES-OSL
- At receipt of information from the Paying Agent that funds for the cash distribution have not been received from the Issuer Agent ES-OSL sends notifications with this information to the Account Operator's and retail investors eligible to receive the cash distribution payments
- If the Issuer Agent has not made funds available to the Paying Agent, the SCoRE standards advise that 3 business days after the Payment Date of the cash distribution event the cash distribution event will be cancelled by ES-OS. For bonds this process should be revised in connection with the bonds default process.





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