A trusted partner for post-trade financial services
CSDR Settlement Discipline is coming

The focus of this EU Regulation is:

**Settlement Efficiency**

This has been - and remains - one of Euroclear’s long-standing priorities

We are continuously identifying and exploring ways to further improve it

And now we are also exploring how to support the buy-in process if trades should fail
Our approach towards settlement efficiency

Various tools to prevent settlement fails
- Settlement priority flags
- Optional settlement window
- Auto-borrow service
- Opportunity borrowing service
- Credit service
- EASYWAY with realtime reporting
- Taskize: inter-company workflow to resolve settlement fails faster
Securities lending in support of settlement efficiency

Drivers

- Fail Curing
- Collateral Conversion
- Investment strategies (short selling, cheapest to deliver, ...)

Trends

- Market volume driven
- Need for high quality collateral (EMIR, Dodd Frank, Basel III)
- Reduced leverage and limiting regulation

Euroclear Offering

- Autoborrow (Automatic Securities Lending and Borrowing)
- GC Access (Strategic borrowing)
Securities lending solutions in more detail
Autoborrow - A convenient way to cover your failing deliveries and increase your settlement efficiency

- Access to a €1.5 trillion lending pool
- Boost your settlement efficiency by up to 5%
- Completely automated - no additional workload for you
- Helps you to avoid CSDR-Settlement Discipline penalties and buy-ins
- Available in Euroclear Bank and in local markets (Euroclear France and Crest) and via your agents Citibank and BNP Paribas Securities Services through our Open Inventory Sourcing service
Securities lending solutions in more detail
GC Access - Your access to high quality liquid assets

- Access to €500 billion high quality assets
- Entry to the PSPP securities of various European Central Banks
- You borrow from Euroclear Bank at street levels
- Collateralisation using TSL
- Limited number of collateral profiles
- We do all the rest!
GC Access

**Loan Arrangement**
- Review available securities
- Agree deal term with GC Access desk

**Loan Collateralisation**
- First delivered to Euroclear Bank
- Then onward delivered to the lender
- We instruct for you

**Loan Settlement**
- Automated settlement instructions
- Conditional on collateral settling

**Loan Lifetime**
- Daily mark-to-market
- Margin calls and substitutions
- Recalls and returns, income payments
# CSDR Settlement Discipline

## Measures to Prevent Fails

- **CSD Matching process**
  - Continuous matching
  - Mandatory fields
  - Cash tolerance

- **CSD Settlement process**
  - Real time, automated process
  - Partial settlement
  - Hold and release
  - Bilateral cancellation
  - Recycling
  - Linkage
  - Technical netting

- **Report manual interventions**

## Measures to Address Fails

- **Cash penalties**
  - Imposed by CSDs and CCPs

- **Mandatory buy ins**
  - Initiated by trading parties / CCPs
  - Reporting by CSDs

- **Monitoring of fails**
  - Reporting to Regulators by CSDs

- **Suspension of CSD Participant**
  - In case of continued fails

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**ECSDA Framework: Market Practice** (working document)
Criteria to be subject to penalties

- The place of settlement is a CSD in the E.E.A.
- Securities traded in an EU venue or cleared by an EU CCP - excluding shares for which the principal trading venue is located in a 3rd country
- Instruction is matched and has reached its intended settlement dated (ISD)
- Settlement status pending at the cut off of the relevant settlement window
- Penalties apply on instructions sent after settlement date
- Penalties apply on cancelled instructions

Scope of penalties is broad: market players should monitor reasons for fails in preparation of launch of CSDR settlement discipline
Cash Penalties

Scope

Our understanding instructions **not in the scope:**

- Corporate actions on stock, bond redemptions
- Where insolvency proceedings have been opened against the failing participant
- Instruction in an ISIN is suspended from settlement due to a reconciliation issue
- Fails relating to a technical event in the CSD that prevents settlement

Scope of penalties is broad: market players should monitor reasons for fails in preparation of launch of CSDR settlement discipline

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(1) https://registers.esma.europa.eu/publication/searchRegister?core=esma_registers_firds
(2) Article 16 of Regulation (EU) No 236/2012: “Short Selling Regulation (SSR)” exempted instrument list: 
https://registers.esma.europa.eu/publication/searchRegister?core=esma_registers_mifid_shsexs
Cash Penalties Process
Calculation, payment & reporting

Reporting
• Daily and Monthly Reporting
• Via Easyway, SWIFT, Managed File transfer (MFT), FileAct
• In ISO and CSV

Payment process details working assumptions:
• Direct debit by the CSD
• In a limited number of currencies
• Redistribution before full collection

There are items still under industry discussion
Buy-ins

Scope

- **Mandatory** buy-in if seller fails to deliver the securities by the end of *extension period*
  - Except if:
    - Instrument no longer exists
    - Trading counterparty is subject to insolvency proceedings
    - Short-term repurchase transactions

- **CSDR Settlement periods**:
  - Driven by the liquidity of the instrument

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**Buy-in process**

- Trade date
- Intended settlement date
- Option to extend buy-in period
- Buy-in date
- Deferral period

- **Penalties** on outstanding amount
- **Penalties** continue to accrue on outstanding amount

- **Failing trade** (*Includes buy-ins*)

- **Trade period**

- **Extension period**

- **Buy-in period**

- **Deferral period**

**Liquid shares:** 4 BD
**Other:** 7 BD
**SME growth markets:** 15 BD
Buy-ins
Impacts for CSD & CSD participants

Regulatory obligations

Buy-in process
Who is responsible to detect, initiate, follow-up and inform involved parties?

• CCP for transactions cleared by a CCP
• Receiving trading venue member for transactions not cleared by a CCP and executed on a trading venue
• Receiving trading party for transactions not cleared by a CCP and not executed on a trading venue
Buy-ins
Impacts for CSD & CSD participants

Regulatory obligations

Important information
(I) CSD record keeps the following non-transactional data:
• Buy-in initiated
• Number of securities bought in
• Price of securities bought in
• Cash compensation amount

(I) CSD cannot ‘deduce’ buy-in information from its system as:
• The buy-in transaction can settle in another CSD
• Cash compensation does not need to settle in a CSD

(I) CSD often has no contractual relationship with the ultimate buyer

Industry challenge = information will need to pass through the holding chain!
Buy-ins
Industry challenges

- **New operational risks**
- **Buy-side** who does not want cash compensation
- **Market makers** do not hold securities in inventory (balance sheet)
- **Legal disputes** on compensation price

- **Complex process risking further fragmentation** across EU & create uncertainty for transactions crossing EU border
- **Involved parties have no contractual relationship**
- **Time-consuming** for all concerned parties
- **Settlement chain** resulting in multiple buy-ins for same (illiquid) security
- **Asymmetrical** compensation
- **De-incentivizes liquidity provision**
- **Cost for the economy** (increased bid-offer, absence market making less liquid securities, impact issuance)

**Process efficiency**

**Risk reduction**

**Liquidity optimisation**

**Cost efficiency**

**All involved parties**: new operational processes

**Seller**: cost of the buy-in (price differential & premium buy-in agent)

**Process efficiency**

**Cost efficiency**

**Liquidity optimisation**

**Risk reduction**
How can we tackle the buy-in process more efficiently

**CSD services**

**Proactive services**
- Store final buy-in information

**Proactive services**
- Manual or automated

**CSD client / External provider**
- Manual or automated
15 minute briefing with CSDR Settlement Discipline

Phil Slavin
COO and co-founder
Taskize is inter-company workflow

Open a ticket in one firm, and resolve it in another
Taskize is mature

195 live clients in 50 countries

Growth in 19H2

- Clients: 16%
- Users: 32%
- Activity: 26%

Audited to SOC 2 type 2
Taskize is collaborative
Taskize is required

“We've leveraged Taskize to give us the ability to manage our workflows with our suppliers.”

Steve Marx, US Head of Operations at FIA Expo 2019

Video at Taskize on LinkedIn
Allocate work to counterparties easily

- Improve service levels
- Know what’s happening
- Prevent data loss
- Reduce email
- Avoid phishing
Key processes live for:
- Collateral queries
- Corporate actions
- Settlement breaks
- Tax enquiries
- Investigations
- Margin dispute / query
- Buy-side to outsourcer

Early 2020
- **CSDR SDR collaboration flows**
Email in Taskize

✓ Enables easy transition
✓ Support legacy users
✓ First phase live

For best results use Taskize end-to-end
- “Tier 1” workflow for all institutions
- Smart directory to navigate your own organisation
- Reporting
- Fast onboarding

Open Architecture

Easy Inter-Company Working

Operations Efficiency

Key Partners

Key Processes

Managed Email

Internal Workflow
- Choice in connectivity
- Taskize Smart Button
- Taskize Work Alert
- Single Sign-On
- User provisioning

Open Architecture

Easy Inter-Company Working

Operations Efficiency

Key Partners

Key Processes

Managed Email

Internal Workflow

REST API
Efficiency in manual operations:

- 70% time
+ 300% productivity
- 90% email
CSDR Settlement Discipline Regime

Euroclear clients can have Taskize CSDR free of charge

- New Settlement Discipline workflows
  - Buy-in process
  - Pass-through process
- Working with partners
- Ready by summer
CSDR Settlement Discipline brings different parties together across the settlement lifecycle.
Clients investing in solutions which improve STP

Taskize for manually intensive, complex buy-in and pass-on workflows across parties
Taskize service during Extension period

- CSD can create a bubble with specific penalty workflows
- CSD can use Smart Directory to invite both parties to resolve the issue
- CSD can enter daily penalty accruals and make buy-in notifications
Taskize during Buy-in period

- Receiving party informs ultimate buyer that buy-in is now required
- Buy-in bubble contains workflow, forms and checklists to ensure consistent buy-in process
- Buy-in instructions etc. automatically update the bubble for original failing trade
- All parties are kept informed of buy-in progress simultaneously
Taskize for Pass-ons

- Intermediate party identifies their ‘pass-on’ position but remains in the buy-in process
- Updates are shared with ‘adjacent’ parties
- Specific buy-in updates are passed automatically to the relevant CSD
In consultation with our clients
Taskize will be ready in summer 2020

Private - interactions kept segregated
Repeatable - via templates, forms, workflow and checklists
Automatic - key events propagated anonymously between bubbles
Audited - all events recorded giving end-to-end traceability
Taskize at a glance

Inter-company issue management

- Queued work
- Internal or External
- You + teams’ work
- Responsible person flag
- Manager intervention
- Client tiering
- Due date and Escalation
- Multi-entity / region
- Virtual data room per-issue
- DLP and private notes
- Open REST API
- SSO and auto-provisioning
- Email integration
- Reporting

Certified to SOC 2 Type 2

99.99% uptime
Open architecture integrates services important to you

- Taskize
- Smart Button
- Web GUI
- REST API
- Email integration
- Symphony integration
- Chrome extension
- Microsoft Teams integration '20
- Workflow Sync started
- Slack Integration '20
- 3rd party workflow tools:
  - Proprietary
  - Salesforce
  - PEGA
  - Outsourcing platforms
  - ...
- Active Directory
Who we are?

Euroclear group is the financial industry’s trusted provider of post trade services.

Our expertise:

• domestic and cross border connectivity

• fast, efficient and low risk acceptance, issuance and distribution of securities

• ability to provide unrivalled market proximity to local users

• focus on client and investor safety

• position as the preferred settlement provider for the Euronext markets
Protecting your assets

AA+ Fitch
AA Standard & Poor’s

1 ICSD / 6 CSD
Why work with us?
A systemically important Financial Market Infrastructure

- We advocate an open marketplace
- We invest to support market stability
- We are focused on delivering solutions that reduce risk
- We encourage a high performing corporate culture
- We contribute to the safety efficiency of the financial markets
- We connect issuers and investors around the world
- We operate with a highly regulated framework
- We have robust risk management structure and a strong capital position
- We are highly rated by global rating agencies.
- We continue to invest in the future of our industry and our people
The **trusted** global partner for the financial industry

- 50 settlement currencies
- 50 major markets
- >120 clients in countries
- 16 languages
- >2000 financial institutions
Expand your core network with us 1/2

Settlement and safekeeping of securities

As a leading place for securities issuance, we give you access to a wide range of global investors.

Euroclear

Settlement

We provide settlement services for transactions in multiple asset classes. These include over-the-counter as well as certain stock exchange transactions, free of payment or against payment in over 50 settlement currencies.

Safekeeping and asset servicing

Our asset servicing covers all steps in the lifecycle of a security, from the distribution of a new issue to timely settlement and accurate custody-related services.
Expand your core network with us 2/2

Multiple asset classes

Initiatives

**T2S made easy**
We offer flexible access to all markets that will settle through TARGET2 Securities (T2S). It is the European securities settlement engine which aims to offer centralised delivery-versus-payment (DvP) settlement in central bank funds across all European securities markets.

**Single CSD**
Our single CSD platform provides access to the ECB’s TARGET2-Securities (T2S) ecosystem.

**Euroclear FundsPlace**
Our FundSettle International service supports both the buy- and sell-sides of fund distribution, providing automated order routing, settlement and asset servicing.

- **€2 trillion** funds under custody
- **145,000** investment funds processed by Euroclear
- **11 million** funds orders routed annually
- **>1200** fund administrators
Growing your business 1/2

Euroclearability delivers real world, proven benefits

$3.8 billion
Potential GDP boost to real economies for 6 recently Eurocleared countries over 10 years

= +1.0%
in the annual healthcare budget

or +1.2%
increase in the annual education budget

(Source: white paper “Impact of Euroclearability” by PwC, 2019)
Growing your business

The Collateral Highway

Mobilise your collateral from where you keep it to where your counterparts take it, across borders, providers and time zones using our neutral and global, open-architecture infrastructure for collateral management.

> €1.3 trillion

Average collateral outstanding mobilised daily

+7% y-o-y growth

Make your assets work 24/7 around the globe
Innovative tools to make your processes safer and more efficient

**EasyWay**
A web-based interface that offers clients a clear overview of their activity with accurate, real-time data.

**MyEuroclear**
A website offering all service information, news and handy apps to help you with your day-to-day business with us.
Innovative ideas

**Taskize**
A web-based networking platform proven to increase operational productivity and control by enabling clients, colleagues, and counterparties to securely resolve queries efficiently across firms.

**LiquidShare**
A dynamic and innovative company improving SME’s access to capital markets through blockchain.

**Data solutions**
Euroclear Information Solutions (EIS) leverages data to support you and bring greater efficiency to the functioning of our capital markets.
Corporate Responsibility

Our Corporate Responsibility (CR) mission is to conduct business in an ethical, responsible and sustainable way, while giving back to the wider community where possible. As a Financial Markets Infrastructure (FMI), we are committed to the stability and smooth running of the financial markets.

Community
- We work closely with both our local and global communities to ensure a more equitable future
  - Additional £1 million donated to 20 new local community projects across the group and three new Build Africa projects to celebrate our 50th anniversary
  - 183 Junior Achievement volunteers impacting 5,691 students
  - 100 local charities supported across the group

Environment
- We strive to minimise our impact on the environment
  - Baseline for waste management agreed
  - 17.5% carbon emissions reduction at the end of 2017

Workplace
- Our people are critical to the success of our company
  - 300 colleagues made use of our newly launched Euroclear Development Centre
  - 400 colleagues changed function as a result of internal mobility possibilities
  - We launched our first Vitality Day to promote health and well-being
  - Published our first gender pay gap report in the UK and shared overall group view with all staff

Marketplace
- Our risk-aware business practices, highest ethical standards and robust processing infrastructure, have played a key part in ensuring market stability during times of turbulence.
  - SIF joined us and the CFA Institute as structural partners in the Ethics & Trust in Finance prize (now in its 7th edition)
  - Mandatory GDPR training for all staff
  - Critical suppliers assessed on ESG topics