



EUROPEAN CENTRAL BANK

EUROSYSTEM

SCoREBOARD

Advisory Group on Market Infrastructures for
Securities and Collateral

Ninth Compliance and Progress Report

December 2024



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Executive summary

This report is part of a series of regular reports published by the Eurosystem's Advisory Group on Market Infrastructures for Securities and Collateral (AMI-SeCo) covering the progress made in defining and assessing compliance with the standards included in the Single Collateral Management Rulebook for Europe (SCoRE), notably the SCoRE Standards for Triparty Collateral Management, Corporate Actions and Billing Processes.

The SCoREBOARD survey results provide an overview of the status of implementation by market participants of the SCoRE Standards and do not assess in detail the readiness of actors for connecting to the Eurosystem Collateral Management System (ECMS).

The AMI-SeCo aims to define further SCoRE Standards to make collateral management more integrated and thus more efficient in and across all AMI-SeCo markets.

The report presents the results of the monitoring exercise carried out for the second half of 2024 (data as of 13 September 2024) and covers four main areas, as outlined in Figure 1.

Figure 1
SCoREBOARD overview



As in the previous monitoring exercise, participants were expected to have reached two milestones: Milestone 10: **External Testing Started for SCoRE** and Milestone 11: **Final External Communication on SCoRE**. According to the milestones' deadlines, entities were expected to have started external testing and to have provided final external communication to comply with the SCoRE Standards by 22 May 2023 (Table 1).

The survey was open for the submission of responses until 13 September 2024: monitored entities were asked whether they would be able to achieve full compliance with the standards, i.e. meet Milestone 13, by 18 November 2024. The findings of the monitoring exercise reflect the milestones roadmap in place at the time the survey closed (the report does not consider the AMI-SeCo's reflections on the rescheduling of the existing implementation deadline for SCoRE Standards from 18 November 2024 to 16 June 2025). Market stakeholders might decide to adjust their implementation plans following the rescheduling: such changes will be captured in the next monitoring exercise.

The results presented in this SCoREBOARD report confirm the commitment and willingness of all stakeholders to implement the existing SCoRE Standards in line with the agreed roadmap.

Markets participating in the survey and entities monitored

This monitoring exercise covers 30 AMI-SeCo markets.¹ All seven monitored triparty agents (TPAs) and all 38 monitored central securities depositories (CSDs) took part in the survey. As already pointed out in previous surveys, increased engagement with custodians and issuers in AMI-SeCo markets is needed to make survey outcomes more representative.

Progress towards milestones

In each survey, respondents are invited to indicate (i) if they are still on track to achieve future milestones by the corresponding deadlines, (ii) whether current milestones to be met within the reporting period (see Section 2) have in fact been reached, and (iii) whether past milestones have been met.

In several cases the survey results suggest there are delays in achieving compliance with the SCoRE Standards. The entities concerned need to make efforts to ensure they achieve full compliance with all standards on time. The impact of relevant entities not being fully compliant with the SCoRE Standards on time will be assessed separately from the monitoring report.

An exercise to identify potential gaps in the external documentation provided by CSDs and TPAs to the users (Milestone 11) is ongoing. CSDs, TPAs and custodians will be invited to submit their external communication to the SCoRE Secretariat.

Triparty Collateral Management

There have been delays in the implementation of the SCoRE Triparty Collateral Management Standards regarding interim adaptations. This raises concerns as it

¹ The list of the AMI-SeCo markets can be found in Annex 1.

has been noted that only one TPA will achieve compliance by November 2024, and three out of seven TPAs are expected to be compliant by December 2025.

Past milestones

- All TPAs have started their analysis (Milestone 1) and initial user communication (Milestone 2).
- Five TPAs have completed their detailed analysis (Milestone 3) while four TPAs have completed their documentation (Milestone 4). The documentation will be completed at a later date by BNY Mellon (by the first quarter of 2025), Euroclear Bank and Euroclear France (by the second quarter of 2028). Euroclear Bank and Euroclear France are still assessing the exact dates for Milestones 3 to 12.²
- Five TPAs have started external communication (Milestone 5) and four TPAs have started adapting internal processes (Milestone 6). JP Morgan is still assessing the exact dates for Milestones 6 to 12.
- Four TPAs have indicated that they are behind schedule in completing their adaptations (Milestone 7): BNY Mellon (by the fourth quarter of 2025), Euroclear Bank, Euroclear France and JP Morgan.
- Three TPAs (Euroclear Bank, Euroclear France and JP Morgan) have indicated that they are experiencing delays in starting their internal testing (Milestone 8).
- Six TPAs have indicated that they are behind schedule in completing their internal testing (Milestone 9).

Current milestones

- One TPA (Clearstream Banking Luxembourg (CBL)) has started external testing (Milestone 10).
- Two TPAs (BNP Paribas and Clearstream Banking Luxembourg) indicated that they have provided final external communication on SCoRE (Milestone 11).

Future milestones

- Only CBL expects to be able to implement the standards (i.e. achieve the final Milestone 13) by November 2024. BNP Paribas will reach Milestone 13 by June 2025.
- Two TPAs (BNY Mellon and SIX SIS) have stated that they will implement the standards in 2025, although the timing of Milestones 9 to 12 needs to be clarified further. The detailed milestones for implementation are still to be specified by Euroclear Bank, Euroclear France and JP Morgan

² With the exception of Milestone 8 for Euroclear France, as it has already started internal testing.

Corporate Actions

The implementation of the SCoRE Corporate Actions Standards is behind schedule in the area of interim adaptations. Although this raises some concerns, most CSDs (24 out of 38) plan to be compliant on time. The delays reported by 5 CSDs range from several months to one year. The overall delays in the euro area regarding corporate actions on debt instruments relate to two markets: CY and GR/AthexCSD. In addition, specific delays, which do not have an overall impact, relate to five markets: BE/NBB-SSS for new functionalities not currently offered, ES for specific cases (reversals, fees for meetings and foreign currency), IT for specific cases (meetings, some Corporate Action (CA) processes/events), FI for specific cases (some CA events, reversals and status advice reporting) and SK (payment of proceeds, which is being implemented). The delays in the non-euro area AMI-SeCo markets relate to seven markets: BG/BNBGSSS, CH, CZ/SKD, HU, NO, SE and UK. Most non-euro area markets have reported delays of up to two years (i.e. until the end of 2026). Euroclear International plans to be compliant with SCoRE Corporate Actions Standards by the end of 2027.

Past milestones

- 37 (out of 38) CSDs have now started their analysis (Milestone 1).
- 36 CSDs have now provided initial communication to their users on the SCoRE Standards (Milestone 2).
- 30 CSDs have completed their detailed analysis (Milestone 3). Eight CSDs are experiencing delays in completing this analysis: SIX SIS, Cyprus Stock Exchange (CSE), AthexCSD, KELER, Euronext Securities Oslo, Euroclear Sweden, CDCP and Euroclear International (EUI).
- 30 CSDs have completed their documentation (Milestone 4) and 30 CSDs have started detailed communication (Milestone 5).
- 31 CSDs have started the adaptation process (Milestone 6).
- 14 CSDs have not completed their adaptations (Milestone 7). In particular, the delays observed in ten CSDs (CH, CY, CZ/SKD, FI, GR/AthexCSD, HU, NO, SE, SK and UK) are a cause for concern as they are leading to delays in the final adoption of the standards.
- 12 CSDs have not started internal testing (Milestone 8). The delays experienced in eight CSDs (CH, CY, CZ/SKD, FI, GR/AthexCSD, HU, SE and UK) are a cause for concern as these CSDs will not start testing until the end of 2024.
- 18 CSDs have indicated that they are experiencing delays in completing internal testing (Milestone 9).

Current milestones

- 24 CSDs have started external testing (Milestone 10) and 24 CSDs indicated that they have provided final external communication on SCoRE (Milestone 11).

Future milestones

- 24 CSDs are confident that they will implement the standards on time. 14 CSDs are expecting some delays and will not implement all standards on time: NBB-SSS (for new functionalities), BNBGSSS, SIX SIS, CSE, SKD, Iberclear, Euroclear Finland (for specific standards), AthexCSD, KELER, Euronext Securities Milan, Euronext Securities Oslo, Euroclear Sweden, CDCP and EUI.
- Three TPAs have indicated that they will be able to implement all the standards on time (Milestone 13).
- There are multiple markets in which custodians have not undertaken much preparation. National stakeholder groups (NSGs) should raise awareness to ensure that the deadline for achieving compliance with the standards is met homogeneously across markets.

Billing Processes

The implementation of the SCoRE Billing Processes Standards is behind schedule with regard to achieving the interim milestones, but this is partly explained by the need to implement fewer changes (implementation is therefore planned to start later). Most CSDs (23 out of 38) will be compliant on time. Five CSDs are reporting delays of up to one year; Cyprus Stock Exchange, AthexCSD, KELER, Euronext Securities Oslo and Euroclear Sweden will achieve compliance in 2026. Although two years is a long delay, it does at least provide planning certainty. Euroclear International plans to be compliant with SCoRE Billing Processes Standards by early 2025, although no detailed timeline has been defined yet.

Past milestones

- 36 CSDs have started their analysis (Milestone 1), while 35 CSDs have provided initial communication to their users (Milestone 2). 29 CSDs have completed their analysis (Milestone 3).
- 29 CSDs have documented their internal processes (Milestone 4), 25 have provided detailed communication (Milestone 5) and 26 have started their adaptations (Milestone 6).
- 22 CSDs have completed adaptation (Milestone 7) while 24 have started internal testing (Milestone 8). The other CSDs remain on track overall and attribute the later starting date for testing to the smaller number of changes (and therefore less testing) required for CSD billing processes.
- 22 CSDs have indicated that they have completed internal testing (Milestone 9).

Current milestones

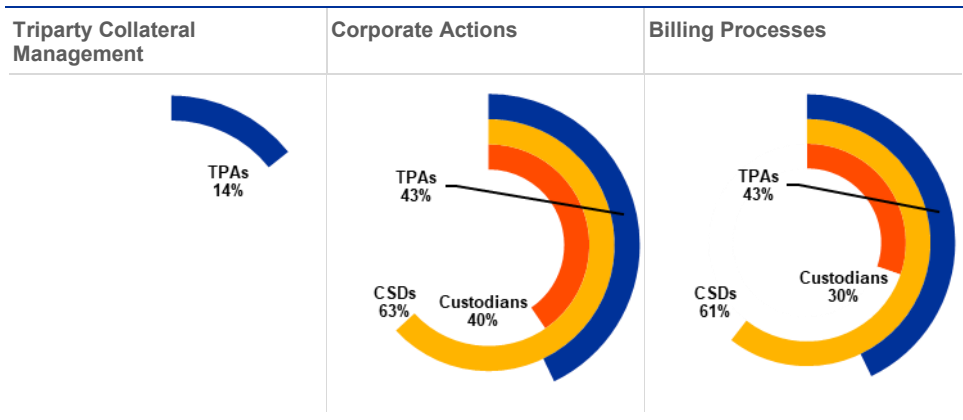
- 22 CSDs have indicated that they have started external testing (Milestone 10). 22 CSDs indicated that they have provided final external communication on SCoRE (Milestone 11).

Future milestones

- Most CSDs plan to implement the SCoRE Billing Processes Standards on time while 14 CSDs expect delays in implementation: BNBGSSS (12/25), CSE (06/26), SKD (12/25), Clearstream Banking Frankfurt (CBF – 12/25), Euroclear Finland (12/29), AthexCSD (06/26), KELER (11/26), CBL (11/25), LuxCSD (12/25), Euronext Securities Oslo (06/26), KDPW (11/25), Depozitarul Central (11/25), SaFIR (11/25) and Euroclear Sweden (01/26). One CSD (EUI) foresees implementation by January 2025, but still needs to define concrete dates for its planning.
- Three TPAs expect to meet the final milestone on time (i.e. they are confident they will implement all standards by November 2024). BNY Mellon and CBL plan to achieve compliance later (end of 2025). BNP Paribas and JP Morgan foresees implementation of the Billing Processes Standards by late 2027 and late 2028 respectively.
- Custodians are falling behind in their preparations. NSGs should therefore raise awareness to ensure that the deadline for achieving compliance with the standards is met.

Chart 1

Expectations of meeting the final milestone (Milestone 13) by 18 November 2024



Notes: Percentages are calculated based on the number of monitored entities across all AMI-SeCo markets. For further details, see Section 2. The report does not yet consider the AMI-SeCo’s reflections on the rescheduling of the existing implementation deadline for SCoRE Standards.

Compliance with the SCoRE Standards

Triparty Collateral Management Standards

Compliance by TPAs with the Triparty Collateral Management Standards is mostly on track for workflows/processes (Standards 2 to 6) and implementation has been achieved to a large degree for three standards: Partial allocation (Standard 2), Usage of baskets (Standard 14) and Future-dated processing (Standard 15). Additional efforts are needed to ensure that more progress is made on ISO 20022 messaging (Standard 1), Unilateral removal (Standard 7), Reporting on flows (Standard 8) and Reference data (Standard 13), to make sure that the requirements are implemented.

Corporate Actions Standards

The highest level of compliance has been achieved in eight standards relating to market practices. These relate to rounding rules, negative cash flows, business day conventions, securities amount data and payment times (Standards 4 to 8 respectively), processing status (Standard 9), as well as default options (Standard 11) and foreign currency (Standard 14).

Implementation of the standards for workflows and reversals (Standards 1 and 13 respectively) is on track to a large degree. Standard 1 (Business processes and workflows) is considered in “ongoing development and implementation” when the key data elements needed to process the events have not been implemented yet.

Implementation is behind schedule for five standards in specific areas of corporate actions, although no “showstoppers” have emerged. These standards relate to meeting events (Standard 1G-H), data for calculating proceeds (Standard 2), consistency of data (Standard 3), elective events (Standard 10) and fees on meeting events (Standard 12).

For several Corporate Actions Standards, the goal of the SCoRE is to achieve market compliance, which requires coordination of all relevant actors involved in the market (including issuers/agents). Non-compliance for meeting events relates to the following markets: BE (Euroclear Settlement of Euronext-zone Securities (ESES) and NBB-SSS), CY (CSE), FR (ESES), HU (KELER), IT (Euronext Securities Milan (ESM)), NL (ESES), PL (KDPW), PT (Euronext Securities Porto (ESP)), SE (Euroclear Sweden), SI (KDD), SK (CDCP) and UK (EUI). It has been acknowledged that CSDs have started to upgrade their systems to process meeting events. In addition, they have started to engage with issuers to ensure that issuers (and their agents) provide meeting information in accordance with the SCoRE Rulebook. However, if issuers or their agents do not channel information on meeting events via the CSD, the market is considered to be non-compliant with the standards. In such cases, the score assigned should be considered as the market implementation status, rather than pure technical implementation status of the CSD. Communication

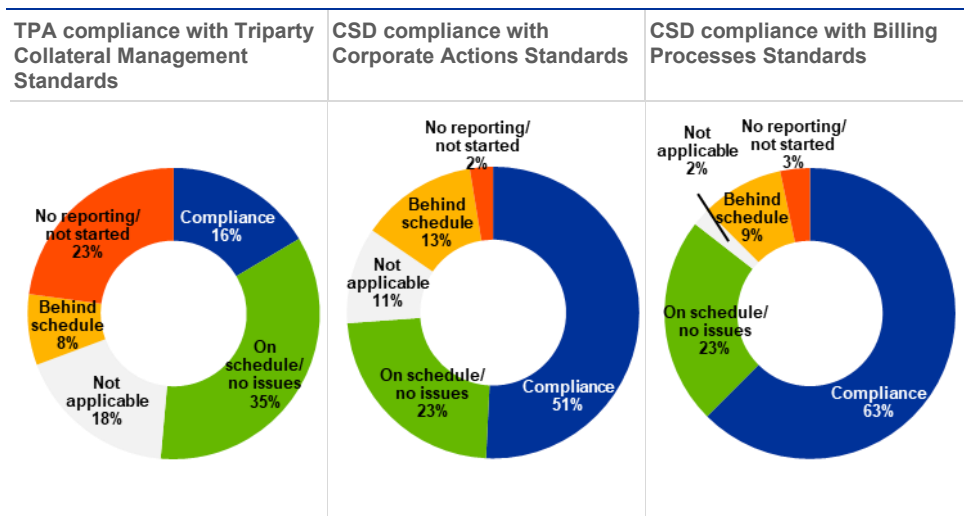
on the standards to issuers or their agents should have taken place, although this may not have been done consistently. A stocktake is taking place on the communication of the standards to each market.

Billing Processes Standards

The level of compliance with Billing Processes Standards is already high, although further efforts will be needed in 2025 to ensure that all relevant standards are on track to be fully implemented (in particular Standard 1).

Chart 2

TPA and CSD compliance with the standards



Notes: The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets. For further details, please refer to the SCoREBOARD in Section 3.

Further details on implementation status across all AMI-SeCo markets can be found in Sections 2 and 3.

Background

Since the publication of the [Collateral Management Harmonisation Report](#) in December 2019,³ the Advisory Group on Market Infrastructures for Securities and Collateral (AMI-SeCo) has made a number of significant breakthroughs in its ambition to create a **Single Collateral Management Rulebook for Europe (SCoRE)**.

What is SCoRE?

SCoRE defines common rules for managing collateral in Europe. These rules will replace the fragmented legacy standards, structural constraints and complex and diverse market practices that exist across Europe today. Implementation of SCoRE Standards should remove operational impediments to the availability, usage, and mobility of collateral. Financial market stakeholders in AMI-SeCo have committed to implementing the SCoRE Rulebook, with the first set of rules (covering Triparty Collateral Management, Corporate Actions and Billing Processes) due to be implemented by June 2025. The efforts made by market participants to implement the rules are regularly monitored by AMI-SeCo.

How does SCoRE contribute to the Capital Markets Union?

The AMI-SeCo SCoRE initiative delivers on AMI-SeCo's mandate to foster European financial market integration and promote a true single market in Europe. Implementation of SCoRE will have material benefits for the EU capital market and ultimately make it easier for:

- market participants to move their securities and collateral safely and efficiently between EU countries, without friction or restrictions;
- investors to buy securities in any EU country and use them as collateral in the same or any other EU country;
- banks to move collateral and securities quickly to where they are needed.

SCoRE defines common rules for managing collateral

The SCoRE initiative was launched in December 2017 with the identification of ten activities for which further harmonisation was needed to improve the efficiency of collateral management in Europe.⁴

³ The Report was agreed in December 2017.

⁴ Please refer to the [Collateral Management Harmonisation Report](#) for further information.

Figure 2
Ten SCoRE activities



Each of these ten activities is analysed by the AMI-SeCo Collateral Management Group (CMG) with a view to defining harmonisation standards (SCoRE Standards).

What is the current status?

So far, AMI-SeCo has defined a series of standards in three areas for collateral management deemed important by the AMI-SeCo constituencies within Europe, namely:

- **Triparty Collateral Management** – a Single Triparty Model for Europe has been agreed with common processes for interaction between all major European triparty service providers and their participants, including the Eurosystem, using ISO 20022 messaging;
- **Corporate Actions (new version published in December 2023)** – a first set of harmonised business processes and workflows for managing corporate actions on securities held in custody or provided as collateral, foreseeing the use of ISO 20022 messaging; harmonised processes allow continued use of securities as collateral over the record date of a corporate action event, thus increasing collateral availability;

- **Billing Processes** – a single set of rules for the transmission of billing information by post-trade service providers involved in custody and collateral management, including the alignment of billing frequency and dates and using ISO 20022 messaging; this would result in the implementation of an e-invoicing solution by all account servicers in Europe.

Work to define standards in other areas deemed relevant for collateral management is ongoing.

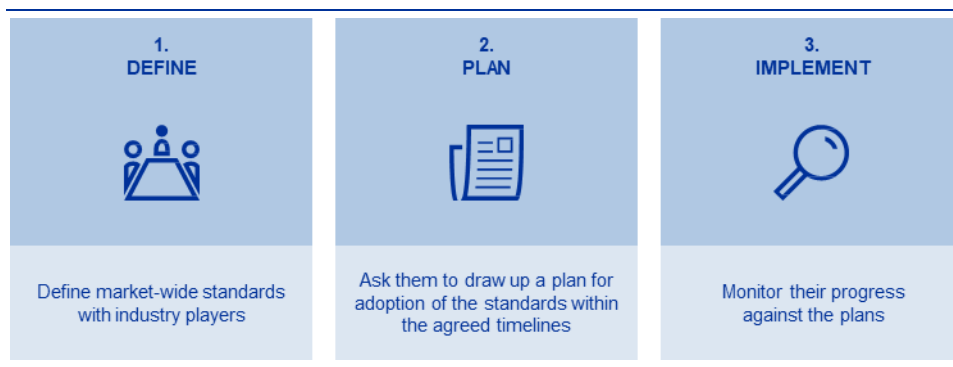
Implementation efforts

AMI-SeCo has agreed a **Monitoring Framework** that sets out the methodology to be used in monitoring implementation of the standards. The Framework consists of three phases:

1. **Phase 1** involves the definition of standards for each of the aforementioned ten activities;
2. **Phase 2** consists of a planning phase in which adaptation plans are drawn up in each market;
3. **Phase 3** focuses on monitoring the implementation of the plans to ensure that this remains on schedule and in line with the agreed milestones.

Figure 3

The three phases of the Monitoring Framework



Define

In 2019 AMI-SeCo endorsed the definition of the first set of AMI-SeCo Standards covering the first three activities and published the corresponding rulebooks, which were then updated in 2021 and 2023, namely:

- **Triparty Collateral Management** (June 2021);
- **Billing Processes** (June 2021);
- **Corporate Actions** (December 2023).

Plan

Details of the Adaptation Plans drawn up for these three activities can be found in the [SCoRE Adaptation Plans Status Report](#) (June 2021).

Implement

This report focuses on the implementation of the standards that have already been defined (i.e. the standards for Triparty Collateral Management, Corporate Actions and Billing Processes).

Structure of this report

The report is structured as follows:

- **Section 1** gives an overview of the participants in the survey;
- **Section 2** focuses on the progress towards the milestones;
- **Section 3** depicts entities' compliance with the standards;
- **Section 4** monitors the progress made on market-wide adoption of the ISO 20022 messaging protocol;
- three annexes are also included, one of which describes the methodology applied to obtain the findings for this SCoRE monitoring exercise.

1 Participants in the H2 2024 monitoring exercise

30 AMI-SeCo markets took part in the H2 2024 monitoring exercise. All seven triparty agents (TPAs) and 38 central securities depositories (CSDs) participated in the exercise. Custodians were also involved. In many markets, at least half of the monitored custodians took part in the reporting exercise, thus ensuring coverage of custody activities in each market. In some markets further engagement is needed to achieve a broader representation of custodians. Of the 170 plus custodians in the AMI-SeCo community, more than 110 took part in this monitoring exercise.

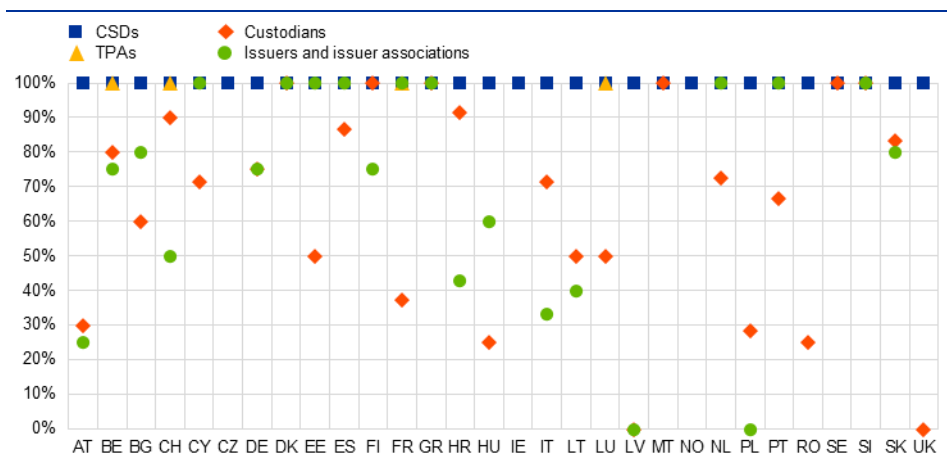
Issuer engagement has started in the field of corporate actions, although further work on issuer engagement is needed in all markets. 47 issuers and issuer associations (out of 74) took part in the monitoring exercise.

Among low-participation markets, further engagement has started with a view to putting in place the necessary reporting structures and ensuring participation in future exercises.

Of the markets currently without a national stakeholder group (NSG), namely the Czech Republic, Iceland, Norway and the United Kingdom⁵, some are making progress towards establishing NSGs or coordination forums to support the implementation of the SCoRE.

Chart 3

Participation rate by market and entity type (based on completed surveys)



⁵ A new market coordination initiative has been recently launched in the United Kingdom. Its role in promoting the implementation of SCoRE Standards is still being discussed.

2 Progress towards the milestones

A series of key milestones were identified by AMI-SeCo to serve as the basis for assessing the progress made by market stakeholders in implementing the SCoRE Standards and for assigning the colour-coded assessment throughout the standards implementation phase.

These milestones facilitate consistent implementation across markets (given the long-term efforts that are needed) and avoid issues remaining undetected until the deadline for compliance.

There are 13 milestones in total, as set out in the table below. The milestones shaded in blue (i.e. Milestones 1-11) were expected to be achieved within the current monitoring cycle, as their dates for completion have passed. The milestone dates refer to the timeline in place when the survey closed (i.e. 13 September 2024) and do not yet consider the AMI-SeCo's rescheduling of the implementation deadline for SCoRE Standards from 18 November 2024 to 16 June 2025. Market stakeholders might decide to adjust their implementation plans following the rescheduling: such changes will be captured in the next monitoring exercise.

Table 1
13 milestones identified by AMI-SeCo

Milestone	Description	Deadline
M1	Analysis Started: Have you commenced an in-depth analysis of all applicable SCoRE Standards to identify and document all the changes required to internal processes and procedures in order to comply with the SCoRE Standards?	30/06/2020
M2	Initial Communication: Has initial high-level communication with external stakeholders on the changes introduced by SCoRE commenced?	01/03/2021
M3	Analysis Completed: Have you completed an in-depth analysis of all applicable SCoRE Standards?	31/07/2021
M4	Documentation Completed: Have you documented all the internal processes and procedures which need to be adapted in order to comply with the SCoRE Standards?	31/12/2021
M5	Detailed External Communication: Has detailed communication started regarding (i) upcoming changes in business processes, (ii) messaging formats and usage guidelines (in the case of new messages based on non-registered latest drafts by SWIFT), and (iii) planned testing activities been provided to users?	31/12/2021
M6	SCoRE Adaptation Started: Have you started to adapt/develop the processes and procedures in order to comply with the SCoRE Standards?	01/01/2022
M7	SCoRE Adaptation Complete: Have you completed the necessary adaptations/developments for the processes and procedures in order to comply with the SCoRE Standards?	30/06/2022
M8	Internal Testing Started for SCoRE: Have you started to test the changes to your internal processes and procedures which have been introduced in order to comply with the SCoRE Standards?	01/07/2022
M9	Internal Testing Complete for SCoRE: Have you completed the necessary internal testing?	10/03/2023
M10	External Testing Started for SCoRE: Are you in a position to test the changes introduced in order to comply with the SCoRE Standards with your user community (i.e. CSD participants/collateral givers and collateral takers in the context of the standards applicable to TPAs)?	22/05/2023
M11	Final External Communication on SCoRE: Has final communication to users been provided (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication) related to the SCoRE Standards?	22/05/2023
M12	External Testing Completed for SCoRE: Is the testing of the changes introduced in order to comply with the SCoRE Standards with your user community completed (i.e. CSD participants/collateral givers and collateral takers in the context of the standards applicable to TPAs)?	20/09/2024
M13	SCoRE Standards Implemented: Have the SCoRE Standards been implemented?	18/11/2024

The H2 2024 monitoring exercise focuses on Milestones 1 to 11, given that Milestone 11 (with a deadline of 22 May 2023) was meant to have been achieved by the time the survey closed.

In the survey round, all entities were asked to confirm (on a yes/no basis) whether the milestones with deadlines in the past (shaded in blue) would be reached by the time the survey closed. They were also asked if they expected subsequent milestones to be reached by their respective deadlines. If not, they were prompted to indicate the date on which they expected to reach the milestone.

For the milestones which had to be achieved by the time the survey closed, those achieved are highlighted in blue. Milestones that will be reached later than the set deadline are highlighted in yellow, and an indication of the likely achievement date is provided.

For the milestones that are only due to be achieved after the current reporting cycle, green indicates the future milestones that the entity anticipates reaching on time. Yellow indicates that the milestone is expected to be met later than the set date. In this case, the anticipated achievement date is also indicated in the table.

2.1 Progress towards the milestones – Triparty Collateral Management Standards

All TPAs had to fill in the survey on Triparty Collateral Management Standards. Annex 1 lists the markets and entities monitored.

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started) and M2 (Initial User Communication):</p> <ul style="list-style-type: none"> All TPAs confirmed that they have achieved these milestones. <p>M3 (Analysis Completed), M5 (Detailed External Communication) and M6 (SCoRE Adaptation Started):</p> <ul style="list-style-type: none"> Two TPAs (Euroclear Bank and Euroclear France) are expected to complete these milestones later than expected, in 2028. <p>M4 (Documentation Completed)</p> <ul style="list-style-type: none"> Three TPAs (BNY Mellon, Euroclear Bank and Euroclear France) are expected to complete these milestones later than expected: BNY Mellon in 2025, Euroclear Bank and Euroclear France in 2028. <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> Four TPAs (BNY Mellon, Euroclear Bank, Euroclear France and JP Morgan) indicated that they are behind schedule and will complete their adaptations later. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Three TPAs indicated that they are experiencing delays in starting internal testing: Euroclear Bank, Euroclear France and JP Morgan. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> Six TPAs (BNY Mellon, Euroclear Bank, SIX SIS, BNP Paribas, Euroclear France and JP Morgan) indicated that they are experiencing delays in completing internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Six TPAs (BNY Mellon, Euroclear Bank, SIX SIS, BNP Paribas, Euroclear France and JP Morgan¹) indicated that they are experiencing delays in starting external testing. <p>M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> Two TPAs (BNP Paribas and Clearstream Banking Luxembourg) indicated that they have provided final external communication.² <p>Future milestones</p> <ul style="list-style-type: none"> One TPA (out of seven), Clearstream Banking Luxembourg³, will be able to implement the standards (i.e. achieve the final Milestone 13) on time. BNP Paribas will reach Milestone 13 by June 2025. Three TPAs (BNY Mellon, SIX SIS, BNP Paribas and JP Morgan) stated they will implement the standards by the end of 2025. 	<ul style="list-style-type: none"> Four TPAs need to confirm their milestones and prepare an updated Adaptation Plan: BNY Mellon, Euroclear Bank, SIX SIS and Euroclear France. JP Morgan milestones from 6 to 13 are under further definition. Euroclear Bank and Euroclear France milestones from 3 to 13 are under further definition. Milestone 11: TPAs are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards.² Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Notes: ¹ JP Morgan: For tri-party ISO 20022 message standards, as the current custody platform will be decommissioned and migrate to the new platform, JP Morgan envisages providing optionality for clients to the new standards.

² Milestone 11 is shown as "to be confirmed – tbc" for those respondents that indicated that they have provided final external communication on SCoRE but that have not submitted such documentation to the SCoRE Secretariat yet, or when some gaps to be addressed have been identified in the documentation.

³ Clearstream Banking Luxembourg will support ISO 20022 communication with the Eurosystem on the basis of draft 4 of ISO 20022, which will be used by the Eurosystem Collateral Management System (ECMS).

Table 2

TPA expectations of meeting the milestones for the SCoRE Triparty Collateral Management Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
BE - BNY Mellon	Yes	Yes	Yes	01/25	Yes	Yes	11/25	Yes	11/25	11/25	12/25	11/25	11/25
BE - Euroclear Bank	Yes	Yes	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28
CH - SIX SIS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11/25	11/25	11/25	11/25	11/25
FR - BNP Paribas	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	06/25	06/25	tbc	06/25	06/25
FR - Euroclear France	Yes	Yes	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28	04/28
LU - Clearstream Banking Luxembourg	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
LU - JP Morgan	Yes	Yes	Yes	Yes	Yes	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27

2.2 Progress towards the milestones – Corporate Actions Standards

CSDs, TPAs and custodians must become compliant with the Corporate Actions Standards, as laid down in the Rulebook for Corporate Actions. Annex 1 lists the markets and entities monitored. This section presents the findings of the survey for the three categories of entity that took part in the survey.

2.2.1 CSD progress towards the milestones – Corporate Actions Standards

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started): 37 (out of 38) CSDs have now achieved M1.</p> <ul style="list-style-type: none"> Euroclear International plans to start its analysis by 12/25, which is considered to be too late. <p>M2 (Initial User Communication): 36 CSDs have now provided initial communication to their users on the SCoRE Standards.</p> <ul style="list-style-type: none"> Two CSDs (SIX SIS and Euroclear International) will provide communication to their users later than expected. <p>M3 (Analysis Completed): 30 CSDs have now completed their in-depth analysis of all the standards.</p> <ul style="list-style-type: none"> Eight CSDs have still to complete their analysis: SIX SIS (11/24), CSE (03/25), AthexCSD (03/25), KELER (01/25), Euronext Securities Oslo (09/24), Euroclear Sweden (12/26), CDCP (11/24) and Euroclear International (12/24). <p>M4 (Documentation Completed): 30 CSDs have documented all the internal processes and procedures which need to be adapted to comply with the SCoRE Standards.</p> <ul style="list-style-type: none"> Eight CSDs have still to complete their documentation: CSE (04/25), AthexCSD (04/25), KELER (06/25), Euronext Securities Oslo (09/24), Euroclear Sweden (12/26), KDD (10/24), CDCP (11/24) and Euroclear International (12/24). <p>M5 (Detailed External Communication): 30 CSDs have started to provide detailed communication.</p>	<ul style="list-style-type: none"> NSGs should address the delays in implementing the standards and review the impact on the overall timeline. The following euro area markets are experiencing overall delays: <ul style="list-style-type: none"> GR (AthexCSD) and CY (CSE). In addition, some specific delays need to be addressed: <ul style="list-style-type: none"> BE (NBB-SSS) should address delays for some features/Corporate Actions events currently not offered; ES (Iberclear) should address delays for reversals, fees for meetings and foreign currency; IT (Euronext Milan) should address delays for some CA processes/events; FI (Euroclear Finland) should address delays for some features related to i) reversals, ii) some Corporate Actions events currently not offered, and iii) advise messages; Several markets (BE, CY, FR, HU, IT, NL, PL, PT, SE, SI and UK) should ensure that meeting events are consistently processed via the CSDs from a SCoRE/market efficiency perspective. In some markets, issuers and their agents do not channel information on meeting events via the CSD: non-compliance through the intermediary chain should be addressed. In non-euro area markets, overall delays should be addressed in CH, CZ, HU, SE and UK.

Key takeaways	Action points
<ul style="list-style-type: none"> Eight CSDs have yet to start detailed communication: CSE (04/25), AthexCSD (04/25), KELER (06/25), Euronext Securities Oslo (09/24), Euroclear Sweden (12/26), KDD (10/24), CDCP (11/24) and Euroclear International (01/25). <p>M6 (SCoRE Adaptation Started): 31 CSDs have started adaptation.</p> <ul style="list-style-type: none"> Seven CSDs have yet to start adaptation: SIX SIS (07/25), CSE (04/25), Euroclear Finland (12/25), AthexCSD (04/25), KELER (01/25), Euroclear Sweden (12/26), and Euroclear International (12/24). <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> 14 CSDs have not completed adaptation. In many cases (ten markets), CSDs are experiencing shorter delays and will complete their adaptation by 2024. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> 12 CSDs are behind schedule and most of them do not expect to start internal testing before 2025. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> 21 CSDs indicated that they have completed internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE):</p> <ul style="list-style-type: none"> 24 CSDs indicated that they have started external testing. <p>M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> 24 CSDs indicated that they have provided final external communication.¹ <p>Future milestones</p> <ul style="list-style-type: none"> 24 CSDs reported delays in achieving upcoming interim milestones but they are confident that they will implement the standards on time. 14 CSDs have reported that they expect this to result in an overall delay. <ul style="list-style-type: none"> NBB-SSS (BE) for new functionalities that are not currently offered – delayed until 11/26 BNBGSSS (BG) delayed until 12/25 SIX SIS (CH) delayed until 10/25 for implementation of ISO 20022 (Standard 15). The other standards are planned for implementation on time in November 2024. CSE (CY) delayed until 11/25 SKD (CZ) delayed until 11/25 Iberclear (ES) delayed until 11/25 Euroclear Finland (FI) delayed until 12/27 AthexCSD (GR) delayed until 06/26 KELER (HU) delayed until 12/25 Euronext Securities Milan (IT) has a phased approach² until 02/26 Euronext Securities Oslo (NO) delayed until 06/25 Euroclear Sweden (SE) delayed until 12/26 CDCP (SK) delayed until 12/25 Euroclear International³ (UK) delayed until 12/27 	<ul style="list-style-type: none"> The SCoRE Secretariat will continue to follow-up on the definition of detailed milestones dates where delays have been highlighted. Milestone 11: CSDs are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards.¹ Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Notes: ¹ Milestone 11 is shown as "to be confirmed – tbc" for those respondents that indicated that they have provided final external communication on SCoRE but that have not submitted such documentation to the SCoRE Secretariat yet, or when some gaps to be addressed have been identified in the documentation.

² Euronext Securities Milan is on track with implementing the standards, but a phased approach is being used where CA messaging will be supported first with the Eurosystem (seev.031 to seev.044) and the meeting messages will be supported later (seev.001 to seev.008).

³ Euroclear International: although it did not submit the survey directly, EUI confirmed that the information provided in the last monitoring round is still up to date.

Table 3

CSD expectations of meeting the milestones for the SCoRE Corporate Actions Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
AT - OeKB CSD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/24	Yes	01/25	Yes	Yes
BE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
BE - Euroclear Belgium	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
BE - NBB-SSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	11/26
BG - BNBGSSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/25	09/25	10/25	12/25
BG - CD AD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CH - SIX SIS	Yes	11/24	11/24	Yes	Yes	07/25	11/25	05/25	05/25	04/25	01/25	01/25	10/25
CY - CYPRUS STOCK EXCHANGE	Yes	Yes	03/25	04/25	04/25	04/25	05/25	06/25	08/25	09/25	11/25	10/25	11/25
CZ - CSD Prague	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
CZ - SKD	Yes	Yes	Yes	Yes	Yes	Yes	12/24	01/25	06/25	07/25	08/25	10/25	11/25
DE - Clearstream Banking Frankfurt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DK - Euronext Securities Copenhagen	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/24	Yes	tbc	11/24	Yes
EE - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ES - Iberclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10/24	Yes	Yes	10/24	11/25
FI - Euroclear Finland	Yes	Yes	Yes	Yes	Yes	12/25	03/26	06/26	09/26	03/27	06/27	09/27	12/27
FR - Euroclear France	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
GR - BOGS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
GR - AthexCSD	Yes	Yes	03/25	04/25	04/25	04/25	12/25	01/26	03/26	04/26	06/26	05/26	06/26
HR - SKDD	Yes	Yes	Yes	Yes	Yes	Yes	11/24	09/24	09/24	11/24	09/24	Yes	Yes
HU - KELER	Yes	Yes	01/25	06/25	06/25	01/25	06/25	06/25	06/25	12/25	12/25	12/25	12/25
IE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
IT - Euronext Securities Milan	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	02/26
LT - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LU - Clearstream Banking Luxembourg	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LU - LuxCSD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LV - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MT - Malta Stock Exchange	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
NL - Euroclear Nederland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
NO - Euronext Securities Oslo	Yes	Yes	09/24	09/24	09/24	Yes	11/24	11/24	03/25	03/25	03/25	06/25	06/25
PL - KDPW	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PL - SKARBNET4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PT - Euronext Securities Porto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/24	Yes	Yes	11/24	Yes
RO - Depozitarul Central	Yes	Yes	Yes	Yes	Yes	Yes	09/24	09/24	10/24	10/24	10/24	10/24	Yes
RO - SaFIR	Yes	Yes	Yes	Yes	Yes	Yes	11/24	11/24	11/24	11/24	11/24	11/24	Yes
SE - Euroclear Sweden	Yes	Yes	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26
SI - KDD	Yes	Yes	Yes	10/24	10/24	Yes	10/24	Yes	10/24	Yes	Yes	Yes	Yes
SK - CDCP	Yes	Yes	11/24	11/24	11/24	Yes	11/24	Yes	Yes	09/24	tbc	12/25	12/25
UK - Euroclear International	12/25	01/25	12/24	12/24	01/25	12/24	12/27	01/25	01/25	01/25	12/26	12/26	12/27

2.2.2 TPA progress towards the milestones – Corporate Actions Standards

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started) and M2 (Initial User Communication):</p> <ul style="list-style-type: none"> All TPAs have reached the first two milestones. <p>M3 (Analysis Completed) and M4 (Documentation Completed):</p> <ul style="list-style-type: none"> Six TPAs have completed their analysis confirmed that they have documented all internal processes and procedures. One TPA (BNP Paribas) needs more time (expected by 12/24). <p>M5 (Detailed External Communication):</p> <ul style="list-style-type: none"> All TPAs have started to provide detailed communication. <p>M6 (SCoRE Adaptation Started):</p> <ul style="list-style-type: none"> Six TPAs have started adaptation. Exact dates for JP Morgan for Milestones 6 to 13 are still being defined. <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> Three TPAs (SIX SIS, BNP Paribas and JP Morgan) reported a delay and indicated that they would complete their adaptations later. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Two TPAs (BNP Paribas and JP Morgan) reported a delay and stated that they would start testing later. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> Three TPAs (SIX SIS, BNP Paribas and JP Morgan) indicated that they are experiencing delays in completing internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Three TPAs (SIX SIS, BNP Paribas and JP Morgan) indicated that they are experiencing delays in starting external testing. <p>M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> Four TPAs (BNY Mellon, Euroclear Bank, Euroclear France and CBL) indicated that they have provided final external communication.¹ <p>Future milestones</p> <ul style="list-style-type: none"> Three TPAs (BNY Mellon, Euroclear Bank and Euroclear France) expect to achieve final implementation on time. Four TPAs (SIX SIS, BNP Paribas, CBL and JP Morgan) reported delays in meeting future milestones. 	<ul style="list-style-type: none"> TPAs are invited to provide regular updates to their implementation status by participating in the monitoring exercises. Exact dates for JP Morgan for milestones 6 to 13 are still being defined. Milestone 11: TPAs are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards.¹ Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Note: ¹ Milestone 11 is shown as “to be confirmed – tbc” for those respondents that indicated that they have provided final external communication on SCoRE but that have not submitted such documentation to the SCoRE Secretariat yet, or when some gaps to be addressed have been identified in the documentation.

Table 4

TPA expectations of meeting the milestones for the SCoRE Corporate Actions Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
BE - BNY Mellon	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
BE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
CH - SIX SIS	Yes	Yes	Yes	Yes	Yes	Yes	11/25	Yes	11/25	11/25	11/25	Yes	11/25
FR - BNP Paribas	Yes	Yes	12/24	12/24	Yes	Yes	12/25	08/25	10/25	11/25	09/24	12/25	12/25
FR - Euroclear France	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
LU - Clearstream Banking Luxembourg	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	06/25
LU - JP Morgan	Yes	Yes	Yes	Yes	Yes	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27

2.2.3 Custodian progress towards the milestones

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started):</p> <ul style="list-style-type: none"> In 17 markets (out of 27 markets with monitored custodians), most custodians reported that they had started analysis. <p>M2 (Initial User Communication):</p> <ul style="list-style-type: none"> In 16 markets, most custodians reported that they had started communication. <p>M3 (Analysis Completed):</p> <ul style="list-style-type: none"> In 12 markets, most custodians have concluded their analysis. <p>M4 (Documentation Completed):</p> <ul style="list-style-type: none"> In 12 markets, most custodians have completed their documentation. <p>M5 (Detailed External Communication):</p> <ul style="list-style-type: none"> In 12 markets, most custodians have provided detailed communication. <p>M6 (SCoRE Adaptation Started):</p> <ul style="list-style-type: none"> In 14 markets, most custodians have started their adaptations. <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> In ten markets, most custodians indicated that they have completed their adaptations. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> In 11 markets, most custodians indicated that they have started testing. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> In nine markets, most custodians indicated that they have completed internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE) and M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> In eight markets, most custodians indicated that they have started external testing. In ten markets, most custodians indicated that they have provided final external communication on SCoRE. <p>Future milestones</p> <ul style="list-style-type: none"> In 12 markets, most of the custodians expect to complete implementation on time. 	<ul style="list-style-type: none"> Custodians should step up their preparations and report their progress towards achieving the milestones in the next round. Initial user communication by custodians should be stepped up to further improve awareness among market participants in time for the next monitoring exercise. There has been no response from custodians in two markets (LV and UK). Milestone 11: custodians are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards. Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Table 5

Custodian expectations of meeting the milestones for the SCoRE Corporate Actions Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
AT	60%	60%	40%	40%	20%	40%	20%	20%	40%	20%	60%	40%	40%
BE	60%	80%	60%	60%	60%	80%	20%	60%	20%	40%	20%	20%	40%
BG	40%	20%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
CH	80%	40%	40%	40%	40%	40%	40%	40%	40%	20%	40%	20%	40%
CY	57%	57%	43%	43%	43%	43%	43%	43%	43%	29%	43%	29%	43%
CZ	-	-	-	-	-	-	-	-	-	-	-	-	-
DE	63%	63%	50%	50%	44%	63%	38%	44%	38%	38%	38%	38%	50%
DK	100%	100%	100%	75%	75%	100%	75%	100%	75%	75%	50%	50%	100%
EE	33%	33%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%
ES	87%	87%	73%	80%	80%	80%	67%	80%	67%	73%	67%	67%	80%
FI	100%	100%	100%	75%	75%	50%	50%	50%	50%	50%	50%	50%	50%
FR	50%	50%	38%	38%	50%	50%	50%	38%	38%	25%	50%	38%	50%
GR	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	83%	67%	67%
HR	50%	42%	25%	25%	25%	42%	25%	25%	25%	25%	33%	25%	33%
HU	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
IE	-	-	-	-	-	-	-	-	-	-	-	-	-
IT	71%	71%	71%	71%	71%	71%	57%	71%	57%	43%	43%	43%	57%
LT	25%	25%	0%	0%	0%	50%	0%	25%	0%	25%	0%	0%	25%
LU	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NL	67%	67%	50%	50%	50%	50%	33%	50%	33%	33%	33%	33%	33%
NO	-	-	-	-	-	-	-	-	-	-	-	-	-
PL	29%	29%	14%	14%	14%	29%	14%	29%	14%	29%	14%	14%	14%
PT	44%	56%	44%	44%	44%	44%	44%	44%	44%	33%	44%	33%	44%
RO	25%	25%	0%	25%	25%	25%	25%	0%	0%	25%	25%	25%	25%
SE	100%	100%	100%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
SI	100%	75%	75%	50%	75%	75%	75%	75%	75%	50%	50%	75%	75%
SK	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	33%	50%
UK	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Notes: Entities were asked to report (on a yes/no basis) whether they had achieved the milestones by the survey closing date (the milestones shaded in blue) and whether they expected to comply with the dates for the next milestones (the subsequent milestones are shaded in green). The percentages reflect the share of custodians in AMI-SeCo markets who reported that they would be able to meet the milestones by their respective deadlines (i.e. custodians that answered "Yes"). Markets where no custodians were monitored are marked with a "-" while 0% indicates that all custodians in the AMI-SeCo market either replied "No" or did not reply to the survey.

2.3 Progress towards the milestones – Billing Processes Standards

CSDs, TPAs and custodians must be compliant with the Billing Processes Standards laid down in the SCoRE Billing Processes Rulebook. Annex 1 lists the markets and

entities monitored. This section presents the findings of the survey for the three categories of entity that took part in the survey.

2.3.1 CSD progress towards the milestones – Billing Processes Standards

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started): 36 CSDs (out of 38) have started their analysis.</p> <ul style="list-style-type: none"> Two CSDs will start their analysis at a later date: Euroclear Sweden (05/26) and Euroclear International (01/25). <p>M2 (Initial User Communication): 35 CSDs have provided initial communication to their users.</p> <ul style="list-style-type: none"> Three CSDs will start their initial communication at a later date: Euronext Oslo (10/25), Euroclear Sweden (05/26) and Euroclear International (01/25). <p>M3 (Analysis Completed): 29 CSDs have completed their analysis.</p> <ul style="list-style-type: none"> Nine CSDs will complete their analysis at a later date: CSE (11/24), Euroclear Finland (12/29), AthexCSD (11/24), KELER (06/25), Euronext Securities Oslo (09/25), KDPW (05/25), Depozitarul Central (06/25), Euroclear Sweden (05/26) and Euroclear International (01/25). <p>M4 (Documentation Completed): 29 CSDs have documented all their internal processes and procedures.</p> <ul style="list-style-type: none"> Nine CSDs will complete their documentation at a later date: CSE (01/25), Euroclear Finland (12/29), AthexCSD (01/25), KELER (07/25), Euronext Securities Oslo (09/25), KDPW (05/25), Depozitarul Central (06/25), Euroclear Sweden (05/25) and EUI (01/25). <p>M5 (Detailed External Communication): 25 CSDs have provided detailed communication.</p> <ul style="list-style-type: none"> 13 CSDs will provide communication at a later date. <p>M6 (SCoRE Adaptation Started): 26 CSDs have started adaptation.</p> <ul style="list-style-type: none"> 12 CSDs will start adaptation at a later date. <p>M7 (SCoRE Adaptation Complete): 22 CSDs have completed their adaptations.</p> <ul style="list-style-type: none"> 16 CSDs reported that they have not yet completed their adaptations. In some cases, this indicates the presence of some obstacles, as the standards are not expected to be implemented on time. <p>M8 (Internal Testing Started for SCoRE): 24 CSDs have started internal testing.</p> <ul style="list-style-type: none"> 14 CSDs reported that they have not yet started testing. In some cases, this indicates the presence of some obstacles, as the standards are not expected to be implemented on time. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> 22 CSDs indicated that they have completed internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE):</p> <ul style="list-style-type: none"> 22 CSDs indicated that they have started external testing. <p>M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> 22 CSDs indicated that they have provided final external communication.¹ <p>Future milestones</p> <ul style="list-style-type: none"> 23 CSDs are confident that they will implement the standards on time. 15 CSDs expect to achieve the remaining milestones at a later date. Nine of them expect to implement the standards by the end of 2025.² 	<ul style="list-style-type: none"> Milestone 11: CSDs are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards.¹ Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Notes: ¹ Milestone 11 is shown as "to be confirmed – tbc" for those respondents that indicated that they have provided final external communication on SCoRE but that have not submitted such documentation to the SCoRE Secretariat yet, or when some gaps to be addressed have been identified in the documentation.

² Euroclear International: although it did not submit the survey directly, EUI confirmed that the information provided in the last monitoring round is still up to date.

Table 6

CSD expectations of meeting the milestones for the SCoRE Billing Processes Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
AT - OeKB CSD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	10/24	Yes	Yes
BE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
BE - Euroclear Belgium	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
BE - NBB-SSS	Yes	Yes	Yes	Yes	Yes	Yes	09/24	Yes	09/24	Yes	Yes	10/24	Yes
BG - BNBGSSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/25	09/25	10/25	12/25
BG - CD AD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CH - SIX SIS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
CY - Cyprus Stock Exchange	Yes	Yes	11/24	01/25	01/25	02/25	12/25	01/26	03/26	04/26	06/26	05/26	06/26
CZ - CSD Prague	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	09/24	10/24	tbc	11/24	Yes
CZ - SKD	Yes	Yes	Yes	Yes	Yes	12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25
DE - Clearstream Banking Frankfurt	Yes	Yes	Yes	Yes	03/25	03/25	06/25	07/25	07/25	08/25	08/25	08/25	12/25
DK - Euronext Securities Copenhagen	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
EE - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ES - Iberclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FI - Euroclear Finland	Yes	Yes	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29
FR - Euroclear France	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
GR - BOGS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
GR - AthexCSD	Yes	Yes	11/24	01/25	01/25	02/25	12/25	01/26	03/26	04/26	06/26	05/26	06/26
HR - SKDD	Yes	Yes	Yes	Yes	Yes	Yes	12/24	12/24	Yes	10/24	10/24	Yes	Yes
HU - KELER	Yes	Yes	06/25	07/25	08/25	08/25	02/26	03/26	08/26	06/26	10/26	10/26	11/26
IE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
IT - Euronext Securities Milan	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
LT - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LU - Clearstream Banking Luxembourg	Yes	Yes	Yes	Yes	03/25	03/25	07/25	07/25	07/25	08/25	08/25	08/25	11/25
LU - LuxCSD	Yes	Yes	Yes	Yes	03/25	03/25	06/25	07/25	07/25	08/25	08/25	08/25	12/25
LV - NASDAQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MT - Malta Stock Exchange	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
NL - Euroclear Nederland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
NO - Euronext Securities Oslo	Yes	10/25	09/25	09/25	12/25	Yes	03/26	04/26	06/26	03/26	04/26	06/26	06/26
PL - KDPW	Yes	Yes	05/25	05/25	05/25	07/25	11/25	11/25	11/25	11/25	11/25	11/25	11/25
PL - SKARBNET4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PT - Euronext Securities Porto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RO - Depozitarul Central	Yes	Yes	06/25	06/25	06/25	06/25	09/25	09/25	10/25	10/25	10/25	11/25	11/25
RO - SaFIR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	11/25	11/25
SE - Euroclear Sweden	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26	05/26
SI - KDD	Yes	Yes	Yes	Yes	10/24	Yes	10/24	Yes	10/24	Yes	Yes	Yes	Yes
SK - CDCP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UK - Euroclear International	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25	01/25

2.3.2 TPA progress towards the milestones – Billing Processes Standards

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started) and M2 (Initial User Communication):</p> <ul style="list-style-type: none"> One TPA will start analysis and communication at a later date: BNP Paribas. <p>M3 (Analysis Completed) and M4 (Documentation Completed):</p> <ul style="list-style-type: none"> Two TPAs will complete their analysis and their documentation at a later date: BNY Mellon and BNP Paribas. <p>M5 (Detailed External Communication):</p> <ul style="list-style-type: none"> Four TPAs will provide communication at a later date: BNY Mellon, SIX SIS, BNP Paribas and CBL. <p>M6 (SCoRE Adaptation Started):</p> <ul style="list-style-type: none"> Three TPAs will start adaptation at a later date: BNY Mellon, BNP Paribas and CBL. <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> Four TPAs reported that they have not yet completed their adaptations: BNY Mellon, SIX SIS, BNP Paribas and CBL. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Three TPAs reported that they have not yet started internal testing: BNY Mellon, BNP Paribas and CBL. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> Four TPAs indicated that they are experiencing delays in completing internal testing: BNY Mellon, SIX SIS, BNP Paribas and CBL. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE):</p> <ul style="list-style-type: none"> Four TPAs indicated that they are experiencing delays in starting external testing. <p>M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> Three TPAs indicated that they have provided final external communication.¹ <p>Future milestones</p> <ul style="list-style-type: none"> Three TPAs expect to achieve the final milestone (Milestone 13) on time: Euroclear Bank, SIX SIS, Euroclear France. BNY Mellon and CBL expect to achieve the final milestone by the end of 2025. BNP Paribas and JP Morgan² need to review its planning to ensure compliance with the Billing Processes Standards. 	<ul style="list-style-type: none"> Four TPAs reported delays in meeting milestones. Attention needs to be paid to this. Milestone 11: TPAs are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards.¹ Such communication needs to describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Notes: ¹ Milestone 11 is shown as "to be confirmed – tbc" for those respondents that indicated that they have provided final external communication on SCoRE but that have not submitted such documentation to the SCoRE Secretariat yet, or when some gaps to be addressed have been identified in the documentation.

² JP Morgan plans to implement ISO 20022 for billing by end 2028, while the rest of the Billing Processes Standards are planned to be implemented by end 2027.

Table 7

TPA expectations of meeting the milestones for the SCoRE Billing Processes Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
BE - BNY Mellon	Yes	Yes	01/25	01/25	03/25	01/25	11/25	06/25	11/25	11/25	12/25	11/25	11/25
BE - Euroclear Bank	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
CH - SIX SIS	Yes	Yes	Yes	Yes	01/25	Yes	01/25	Yes	01/25	01/25	01/25	Yes	Yes
FR - BNP Paribas	01/25	03/25	07/25	12/25	12/25	01/26	06/26	07/26	12/26	02/27	04/27	10/27	11/27
FR - Euroclear France	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	Yes	Yes
LU - Clearstream Banking Luxembourg	Yes	Yes	Yes	Yes	03/25	03/25	07/25	07/25	07/25	08/25	08/25	08/25	12/25
LU - JP Morgan	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	tbc	12/28	12/28

2.3.3

Custodian progress towards the milestones – Billing Processes Standards

Key takeaways	Action points
<p>Past milestones</p> <p>M1 (Analysis Started):</p> <ul style="list-style-type: none"> In 12 markets (out of 27 with monitored custodians), most custodians have started analysis. <p>M2 (Initial User Communication):</p> <ul style="list-style-type: none"> In 11 markets, most custodians have started communication. <p>M3 (Analysis Completed):</p> <ul style="list-style-type: none"> In four markets, most custodians have completed analysis. <p>M4 (Documentation Completed):</p> <ul style="list-style-type: none"> In four markets, most custodians have completed documentation for all internal processes and procedures. <p>M5 (Detailed External Communication):</p> <ul style="list-style-type: none"> In four markets, most custodians have provided detailed communication. <p>M6 (SCoRE Adaptation Started):</p> <ul style="list-style-type: none"> In 24 markets, most custodians have not yet started adaptation. <p>M7 (SCoRE Adaptation Complete):</p> <ul style="list-style-type: none"> In 24 markets, most custodians have not yet completed their adaptations. <p>M8 (Internal Testing Started for SCoRE):</p> <ul style="list-style-type: none"> In 24 markets, most custodians have not yet started testing. <p>M9 (Internal Testing Complete for SCoRE):</p> <ul style="list-style-type: none"> In 24 markets, most custodians have not yet completed internal testing. <p>Current milestones</p> <p>M10 (External Testing Started for SCoRE) and M11 (Final External Communication on SCoRE):</p> <ul style="list-style-type: none"> In three markets, most custodians have started external testing. In four markets, most custodians have provided final external communication on SCoRE. <p>Future milestones</p> <ul style="list-style-type: none"> In six markets, at least half of the custodians expect to complete implementation on time. 	<ul style="list-style-type: none"> A larger number of custodians are expected to have started their preparations when reporting in the next SCoRE round. There has been no response from custodians in three markets: LU, LV and UK. Milestone 11: custodians are invited to submit to the SCoRE Secretariat the detailed external communication made on SCoRE Standards. Such communication needs describe the final changes to the users (i.e. updated user guide to reflect the changes implemented, final message usage guidelines for A2A communication). The SCoRE Secretariat is currently checking the completeness of the documentation provided to date; if gaps are identified in the documentation, then the compliance assessment will be revised accordingly.

Table 8

Custodian expectations of meeting the milestones for the SCoRE Billing Processes Standards

	Milestones 1-13												
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13
AT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BE	60%	60%	40%	40%	20%	40%	20%	20%	20%	20%	20%	20%	20%
BG	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
CH	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
CY	43%	43%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%
CZ	-	-	-	-	-	-	-	-	-	-	-	-	-
DE	69%	63%	38%	38%	38%	38%	38%	38%	38%	38%	38%	44%	50%
DK	75%	75%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
EE	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ES	80%	80%	53%	53%	53%	40%	33%	33%	33%	33%	33%	40%	47%
FI	50%	50%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
FR	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
GR	67%	67%	67%	50%	67%	50%	50%	50%	50%	50%	50%	67%	67%
HR	50%	58%	42%	42%	42%	42%	33%	33%	33%	33%	33%	17%	50%
HU	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
IE	-	-	-	-	-	-	-	-	-	-	-	-	-
IT	57%	57%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	14%
LT	25%	25%	25%	25%	25%	25%	25%	0%	0%	25%	25%	25%	25%
LU	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NL	60%	60%	40%	40%	20%	20%	20%	20%	40%	40%	40%	40%	40%
NO	-	-	-	-	-	-	-	-	-	-	-	-	-
PL	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
PT	44%	44%	44%	33%	33%	22%	22%	22%	33%	33%	33%	33%	33%
RO	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
SE	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
SI	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
SK	50%	33%	33%	33%	33%	33%	33%	33%	33%	33%	50%	50%	50%
UK	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Notes: Entities were asked to report (on a yes/no basis) whether they would have achieved the milestones by the survey closing date (the milestones shaded in blue) and whether they expected to comply with the dates for the next milestones (the subsequent milestones are shaded in green). The percentages reflect the share of custodians in AMI-SeCo markets who reported that they would be able to meet the milestones by the respective deadlines (i.e. custodians that answered "Yes"). Markets where no custodians were monitored are marked with a "-" while 0% indicates that all custodians in the AMI-SeCo market either replied "No" or did not reply to the survey.

3 Compliance with the standards defined for each activity

This section provides an overview of the current status of compliance with the respective sets of standards defined for each activity in the rulebooks for Triparty Collateral Management, Corporate Actions and Billing Processes.

CSDs and TPAs are monitored on an individual basis and assigned a colour-coded status applying the methodology outlined in [Figure 4](#).⁶ Custodians and issuers are monitored on an aggregated basis per market and assigned a percentage compliance status. Full details of the agreed milestones that form the basis of the colour-coded assessment can be found in Section 2.

Figure 4

SCoREBOARD – Level of compliance with the standards



- The Standard has been implemented
 - Implementation of the Standard is on schedule (based on the agreed milestones)
 - Implementation is behind schedule (based on the agreed milestones)
 - Implementation has not started
-

In this section, the report assesses the implementing entities' progress towards achieving full compliance with each set of standards.

3.1 Compliance with the Triparty Collateral Management Standards

3.1.1 Background

The SCoRE contains 17 standards related to Triparty Collateral Management (published as the [SCoRE Standards for Triparty Collateral Management](#)). This section presents the compliance status of the monitored entities up to 13 September 2024.

The standards assessed are listed below.

⁶ For further details, please refer to the [AMI-SeCo Monitoring Framework](#).

Table 9
SCoRE Triparty Collateral Management Standards

No	Name
1	ISO 20022 messages for triparty collateral management
2	Initiation of a triparty transaction
3	Increase of a triparty transaction
4	Decrease of a triparty transaction
5	Revaluation of a triparty transaction
6	Cancellation of a triparty instruction
7	Unilateral removal process
8	Reporting on flows
9	Reporting on stocks
10	Closure of a triparty transaction
11	Handling of corporate actions
12	Partial allocation
13	Reference data
14	Usage of baskets
15	Future-dated processing
16	Operating hours
17	Cut-off times

Source: [Triparty Collateral Management: Single Collateral Management Rulebook for Europe](#).

On the provider side, the monitored entities are:

- **Triparty agents (TPAs):** a dedicated survey was sent to triparty agents and their compliance is reported in Section 3.1.1.

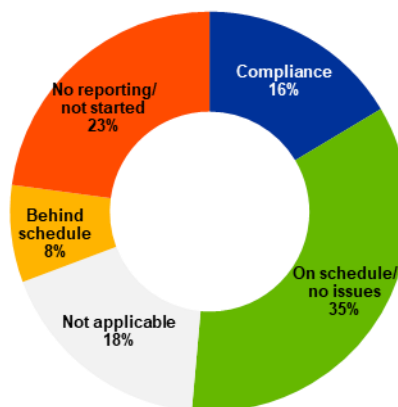
On the user side, the monitored entities are:

- **Central counterparties (CCPs):** CCPs, as users of triparty collateral management services, are monitored by their NSGs and are therefore assessed on their ability to communicate with their TPA using ISO 20022 messaging.
- **Eurosystem national central banks (NCBs):** NCBs are monitored by the ECB in their role as users of triparty collateral management services. The overall level of confidence in readiness to go live in November 2024 is high.

3.1.2 TPA compliance with the SCoRE Triparty Collateral Management Standards

Chart 4

TPA compliance with SCoRE Triparty Collateral Management Standards



Notes: The graph summarises the colour codes assigned to the standards in the Triparty SCoREBOARD for TPAs (see Table 10). The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets.

Key takeaways	Action points
<p>Compliance: The greatest level of compliance has been achieved in respect of three standards: Standard 12 (Partial allocation), Standard 14 (Usage of baskets) and Standard 15 (Future dated processing).</p> <p>On schedule: For five TPAs, implementation is generally reported to be on track, but some parts need to be documented (as explained in Milestone 11) for compliance with Standards 2 to 6 (process/workflows) and Standards 9 and 10 (reporting on stock and closure). These standards cannot yet be considered to be fully implemented because new data elements must still be deployed.</p> <p>Behind schedule: For four TPAs, implementation is behind schedule for Standard 1 (ISO 20022). For four TPAs, implementation is behind schedule for Standards 7 (Unilateral removal) and five TPAs for Standard 13 (Reference data). For four TPAs, implementation is behind schedule for Standard 8 (Reporting on flows). The standards will continue to have "behind schedule" status until the TPAs provide detailed confirmation that analysis has been completed for the workflows and implementation is on track.</p> <p>Not applicable: Implementation is not applicable for the collateralisation of non-central bank credit operations, i.e. Standard 11 (Handling of corporate actions), Standard 16 (Operating hours) and Standard 17 (Cut-off times).</p>	<p>Three TPAs need to provide a concrete plan that supports the timely implementation of the standards: BNY Mellon, Euroclear Bank and Euroclear France.</p>

Note: For JP Morgan, further analysis is needed on the assessment of Standard 12 and 13.

Table 10

TPA compliance with the Triparty Collateral Management Standards

The table shows the implementation status of the respective TPAs for each of the Triparty Collateral Management Standards.

	BE BNY Mellon	BE Euroclear Bank	CH SIX SIS	FR BNP Paribas	FR Euroclear France	LU Clearstream Banking Luxembourg	LU JP Morgan
1	Y	R	Y	G	R	G	G
2	G	R	G	G	R	G	G
3	G	R	G	G	R	G	G
4	G	R	G	G	R	G	G
5	G	R	G	G	R	B	G
6	G	R	G	G	R	G	G
7	Y	R	Y	G	R	G	N/A
8	Y	R	Y	G	R	G	G
9	G	R	Y	G	R	B	G
10	G	R	Y	G	R	G	G
11	N/A	R	N/A	N/A	R	G	N/A
12	B	B	B	B	B	B	G
13	Y	R	Y	G	R	G	G
14	B	B	B	B	B	B	B
15	Y	B	G	B	B	B	B
16	N/A	B	N/A	N/A	B	B	N/A
17 Rule 1	N/A	R	N/A	N/A	R	G	N/A
17 Rule 2	N/A	R	N/A	N/A	R	G	N/A
17 Rule 3	N/A	R	N/A	N/A	R	G	N/A
17 Rule 4	N/A	R	N/A	N/A	R	G	N/A

Notes: The colour code reflects the implementation status for each standard, by the closing date of this survey, based on the methodology outlined in Annex 2. Blue means that the standard has already been implemented; green means that the entity is on schedule with the implementation of the standard; yellow means that the entity is behind schedule; red means that implementation has not yet started.

3.2 Compliance with the Corporate Actions Standards

3.2.1 Background

The SCoRE contains 15 standards on the processing of corporate actions (published as the [SCoRE Standards for Corporate Actions](#)). This section presents the compliance status of monitored entities up to 13 September 2024.

The standards assessed are listed below.

Table 11
SCoRE Corporate Actions Standards

No	Name
1	Business processes and workflows
1A	Corporate action notification
1B	Corporate action instruction
1C	Corporate action advice
1D	Corporate action confirmation
1E	Corporate action reversal
1F	Meeting event notification
1G	Meeting event instruction
1H	Meeting event confirmation
2	Provision of data necessary for calculating proceeds
3	Consistency of information provided by issuer (I)CSDs, investor (I)CSDs and custodians
4	Rounding rules
5	Negative cash flows
6	Business day rule
7	Securities amount data
8	Payment time
9	Notification of processing status
10	Elective events
11	Availability of default options
12	Handling of fees for meeting events
13	Reversal of a corporate action
14	Processing of foreign currency payments
15	ISO 20022 messages for corporate actions

Source: [Corporate Actions: Single Collateral Management Rulebook for Europe](#).

Notes: Corporate Actions Standards 4, 7 and 10 are composed of different rules, which are reported separately in Tables 12a-12b, 14a-14b and 15a-15b below. Standard 8 is composed of rules and general principles, which are also reported separately in Table 12b and Chart 6 below.

From the provider side, the monitored entities are:

- CSDs (see Section 3.2.1);
- TPAs (see Section 3.2.2);
- Custodians (see Section 3.2.3).

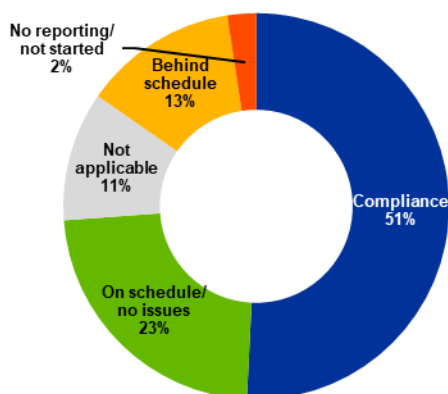
On the user side, the monitored entities are:

- Issuers (see Section 3.2.4);
- Eurosystem national central banks; NCBs are monitored by the ECB in their role as users of corporate actions services (all Eurosystem NCBs are on track).

3.2.2 Compliance with the Corporate Actions Standards

Chart 5

Compliance status with SCoRE Corporate Actions Standards



Notes: The graph summarises the colour codes assigned to the standards in the Corporate Actions SCoREBOARD for the respective markets (see Table 12). The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets.

Key takeaways	Action points
<p>Compliance: The greatest level of compliance by CSDs has been achieved in eight (out of 15) standards: Standards 4 to 8 (relating to rounding rules, negative cash flow, business day conventions, securities amount data and payment times respectively), Standard 9 (Processing status), 11 (Default options) and 14 (Foreign currency).</p> <p>On schedule: Many CSDs are implementing two standards on schedule: Standards 1 and 13 (relating to workflows and reversals respectively). Standard 1 (Business processes and workflows) is considered in "ongoing development and implementation" when the key data elements needed to process the events have not been implemented yet.¹</p> <p>Behind schedule: Many markets/CSDs are behind schedule in the implementation of six standards.</p> <ul style="list-style-type: none"> Standard 1B (Corporate Action Instruction): NBB-SS, CSE, KELER, Euronext Securities Oslo, Euroclear Sweden, CDCP² and Euroclear International. Standard 1G-H (on meeting events): ESES (BE³, FR, NL), NBB-SSS, CSE, KELER, Euronext Securities Copenhagen, Euronext Securities Milan, Euronext Securities Oslo, KDPW⁴, Euronext Securities Porto⁵, Euroclear Sweden, KDD, CDCP and Euroclear International. Standard 2 (Provision of data necessary for calculating proceeds): Euroclear Bank, NBB-SSS for new events/functionalities, CD AD⁶, SIX SIS, , SKD, Euronext Securities Copenhagen, Iberclear, Euroclear Finland (for new Corporate Actions events and enhancements to existing Corporate Actions events), KELER, Euronext Securities Milan, MSE, Euronext Securities Oslo, KDPW, Euroclear Sweden and CDCP. Standard 3 (Consistency of information provided by the issuer): Euroclear Bank⁷, SIX SIS, Clearstream Banking Frankfurt, Euronext Securities Copenhagen, Iberclear, Euroclear Finland (for new Corporate Actions events and enhancements to existing Corporate Actions events), KELER, Euroclear Bank Ireland, Euronext Securities Milan, Euronext Securities Oslo, KDPW, Depozitarul Central, SaFIR, Euroclear Sweden, KDD and CDCP. Standard 10 (Elective events): NBB-SSS, SIX SIS, Euronext Securities Copenhagen, KELER, Euronext Securities Milan, Euronext Securities Oslo, Euroclear Sweden and CDCP. Standard 12 (Handling of fees for meeting events): ESES (FR, NL), NBB-SSS, AthexCSD, SKDD, KELER, , Euronext Securities Milan, Euroclear Sweden and CDCP. 	<p>The SCoRE Secretariat will reach out to NSGs to request action on the standards that are behind schedule.</p> <p>For several standards, in particular regarding corporate action notification (Standard 1A), meeting events (Standards 1F-G-H), rounding rules (Standard 4), business day rule (Standard 6), securities amount data (standard 7) and timely processing (Standards 8 and 9), the goal of the SCoRE Standards is to achieve market compliance, which requires coordination of all relevant actors involved in that market (including issuers/agents): the sole technical implementation by the CSD does not achieve harmonisation if the market is not applying the standards. Therefore, the score applied to the above-mentioned standards should be considered as the market implementation status, rather than pure technical implementation status of the CSD. Yellow (ongoing analysis) is assigned to some markets due to current non-compliance in the intermediary chain or issuers/agents, while the CSD in some cases is already technically able to process according to the standards, when the CSD and the issuer/agents are making progress towards compliance (for example by defining an implementation plan). Inversely, red (analysis not started) is assigned to some markets due to current non-compliance in the intermediary chain or issuers/agents, while the CSD in some cases is already technically able to process according to the standards, when the CSD and the issuer/agents have not made any tangible recent progress to address the lack of market compliance (no implementation plan is being prepared). An action plan for the market should be developed to ensure compliance. Regarding meeting event notifications (Standards 1F-H), they must be announced by the CSDs but the CSDs are dependent on information received from issuers or their agents. CSDs have started to raise awareness in the agents' community and should continue to do so.</p>

Key takeaways	Action points
<p>Not applicable: Several responses (for Standards 1F, 1G and 1H) were "Not applicable" (N/A) in previous rounds, but since then CSDs have started to upgrade their systems so that meeting events (results) can be processed through these entities. In addition, issuers (or their agents) have been informed that they need to communicate meeting information via the CSD.</p> <p>Additional cases being observed: Iberclear⁸ and Malta Stock Exchange (MSE)⁹.</p>	

Notes: ¹ The review from blue, implemented, to green, ongoing development and implementation, for the above-mentioned reason was applied to the following CSDs: OeKB CSD, SIX SIS, CSE, Euronext Securities Copenhagen, BOGS, AthexCSD, Euronext Securities Oslo, Depozitarul Central and SaFIR.

² Adaptations by CDCP on Standards 1A to 1H are on track for CA events that are applicable in the context of CSD payments to participants related to collateral for Eurosystem credit operations, while further changes will be needed to implement changes for all CA payments relevant for the Slovak market.

³ Euroclear Belgium is already compliant with SCoRE Standards 1F and 1G. However, the market is not fully compliant with these standards as the information related to meeting events is only partly channelled via the CSD. The use of MX is progressing within the market. Euroclear Belgium aims to implement SCoRE Standard 1H in January 2026 (status = under analysis) but in the meantime offers a non-standardised service to channel the information to investors via the CSD.

⁴ KDPW Standard 1G: In terms of MEIN and MEIC messages in the "provide" direction, as described in Standard 15, KDPW's status is "ongoing development", however only in its role as an Investor CSD.

⁵ For Euronext Securities Porto, Standard 15 is also reported as yellow, ongoing analysis, as the implementation of the messages related to Standard 1G (Meeting Event Instruction) and 1H (Meeting Event Results) is being analysed.

⁶ CD AD's Standard 2 has changed from green to yellow not due to a deterioration of the implementation status, but rather because new events are now being analysed while before they were considered not applicable.

⁷ Euroclear Bank's Standard 3 is reported as red, analysis not started, as analysis on the event CERT has not started yet. Implementation is ongoing or completed for the other CA/events.

⁸ For Iberclear, the reversal process (Standards 1E and 13) will only be available for cash distributions and REDM, MCAL and PCAL CAEV types, which are the event types most likely to be involved in a reversal process. The remaining CAEV types will have the reversal process in place by November 2025. In addition, Iberclear will not implement all fixed income events by November 2024.

⁹ Malta Stock Exchange Standard 15: MSE explained that it is able to send and receive ISO20022 messages for CA and meetings. Regarding reversals (seev.037), they are still being analysed, as they are not practised in the Maltese market.

Table 12a

Compliance with the Corporate Actions Standards (Standards 1A-6)

The table shows the implementation status of the respective markets for each of the Corporate Actions Standards.

	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule1	4 Rule2	4 Rule3	4 Rule4	4 Rule5	5	6	
AT - OeKB CSD	G	G	G	G	G	B	B	B	G	G	B	B	B	G	G	G	B	
BE - Euroclear Bank	G	G	G	G	G	G	G	G	G	R	Y	G	B	G	B	B	B	
BE - Euroclear Belgium	G	G	G	G	G	Y	Y	Y	G	G	B	B	B	B	B	B	B	
BE - NBB-SSS	Y	Y	B	G	B	Y	Y	Y	Y	N/A	B	N/A	N/A	B	B	B	B	
BG - BNBGSSS	G	N/A	G	G	G	N/A	N/A	N/A	G	B	B	B	B	G	B	Y	B	
BG - CD AD	B	B	G	B	B	B	B	B	Y	B	B	B	B	B	B	N/A	B	
CH - SIX SIS	G	G	G	G	G	G	G	G	Y	Y	Y	B	B	B	B	B	B	
CY - CYPRUS STOCK EXCHANGE	G	R	G	G	Y	G	R	Y	B	B	B	B	B	B	B	N/A	B	
CZ - CSD Prague	B	G	G	G	G	B	B	B	G	G	B	B	B	B	B	B	B	
CZ - SKD	G	N/A	G	G	G	N/A	N/A	N/A	G	G	B	B	B	N/A	B	N/A	B	
DE - Clearstream Banking Frankfurt	B	G	G	G	G	G	G	G	G	Y	R	B	B	G	B	B	B	
DK - Euronext Securities Copenhagen	G	B	G	G	G	Y	G	Y	Y	Y	B	B	B	B	B	B	B	
EE - NASDAQ	B	B	B	B	B	B	B	B	G	G	B	B	B	B	B	B	B	
ES - Iberclear	G	G	G	G	Y	G	G	G	Y	R	B	G	G	G	B	B	G	
FI - Euroclear Finland	Y	B	Y	Y	N/A	B	B	B	Y	Y	B	B	B	B	B	B	B	
FR - Euroclear France	G	G	G	G	G	Y	Y	Y	G	G	B	B	B	B	B	B	B	
GR - BOGS	G	G	G	G	G	G	G	G	B	B	B	B	B	B	B	B	B	
GR - AthexCSD	G	G	G	G	Y	G	G	G	B	B	B	B	B	B	B	Y	B	
HR - SKDD	G	G	G	G	Y	G	G	G	G	G	N/A	N/A	G	G	N/A	G	G	
HU - KELER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	B	B	Y
IE - Euroclear Bank	G	G	G	G	G	G	G	G	G	R	Y	G	B	G	B	B	B	
IT - Euronext Securities Milan	G	G	G	G	G	Y	Y	Y	Y	Y	B	B	B	B	B	Y	G	
LT - NASDAQ	B	B	B	B	B	B	B	B	G	G	B	B	B	B	B	B	B	
LU - Clearstream Banking Luxembourg	B	G	G	G	G	G	G	G	G	G	R	B	B	G	B	B	Y	
LU - LuxCSD	B	G	G	G	G	G	G	G	G	G	R	B	B	G	B	B	Y	
LV - NASDAQ	B	B	B	B	B	B	B	B	G	G	B	B	B	B	B	B	B	
MT - Malta Stock Exchange	B	B	B	B	Y	B	B	B	Y	G	B	B	B	B	B	B	B	
NL - Euroclear Nederland	G	G	G	G	G	Y	Y	Y	G	G	B	B	B	B	B	B	B	
NO - Euronext Securities Oslo	Y	Y	Y	Y	Y	Y	G	Y	Y	Y	B	G	B	B	B	N/A	B	
PL - KDPW	B	B	B	G	G	B	B	G	Y	Y	B	B	B	B	B	B	B	
PL - SKARBNET4	B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	B	B	N/A	N/A	N/A	N/A	N/A	N/A	B	
PT - Euronext Securities Porto	B	B	B	G	G	Y	Y	Y	Y	G	B	B	B	B	B	B	B	
RO - Depozitarul Central	G	N/A	G	G	Y	G	N/A	N/A	B	Y	B	B	B	B	B	N/A	Y	
RO - SaFIR	G	G	Y	G	Y	N/A	N/A	N/A	G	Y	B	B	B	Y	B	G	Y	
SE - Euroclear Sweden	Y	R	Y	R	R	R	R	R	R	R	B	B	B	B	B	N/A	B	
SI - KDD	G	G	G	G	G	Y	Y	Y	B	Y	B	B	B	B	B	N/A	B	
SK - CDCP	Y	Y	Y	G	Y	Y	Y	Y	Y	Y	G	G	G	G	G	G	G	
UK - Euroclear International	G	Y	R	R	R	R	R	R	N/A	N/A	N/A	B	N/A	B	B	B	B	

Notes: The colour code reflects the current implementation status for each standard based on the methodology outlined in Annex 2. Blue means that the standard has already been implemented; green means that the entity is on schedule with the implementation of the standard; yellow means that the entity is behind schedule; red means that implementation has not yet started.

Table 12b

Compliance with the Corporate Actions Standards (Standards 7-15)

	7Rule 1	7Rule 2	7Rule 3	7Rule 4	8Rule 1	8Rule 2	8Rule 3	8Gen. Ptn. 3	9	10 Rule1	10 Rule2	10 Rule3	11	12	13	14	15
AT - OeKB CSD	B	B	B	B	B	B	B	N/A	G	B	G	G	B	G	G	B	G
BE - Euroclear Bank	B	B	B	B	B	B	G	B	B	B	B	B	B	G	B	B	G
BE - Euroclear Belgium	B	B	B	B	G	G	B	B	G	B	B	B	B	N/A	B	B	Y
BE - NBB-SSS	B	N/A	N/A	N/A	B	B	B	B	G	Y	Y	Y	Y	Y	B	B	Y
BG - BNBGSSS	B	N/A	N/A	N/A	B	N/A	B	B	B	N/A	N/A	N/A	N/A	N/A	G	N/A	G
BG - CD AD	B	B	B	B	B	B	B	B	B	B	B	B	B	N/A	B	B	G
CH - SIX SIS	B	B	B	B	B	B	B	Y	B	Y	B	B	B	B	G	B	G
CY - CYPRUS STOCK EXCHANGE	B	B	B	B	B	N/A	B	N/A	B	B	G	B	B	N/A	Y	N/A	Y
CZ - CSD Prague	B	B	B	B	B	B	B	B	G	G	G	G	B	G	G	B	G
CZ - SKD	B	N/A	N/A	N/A	B	B	B	B	B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	G
DE - Clearstream Banking Frankfurt	R	B	B	B	G	G	B	B	G	B	G	B	B	G	Y	B	G
DK - Euronext Securities Copenhagen	B	B	B	B	B	B	B	B	G	Y	Y	Y	B	N/A	G	B	Y
EE - NASDAQ	B	N/A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ES - Iberclear	B	B	B	B	G	N/A	G	B	G	B	B	G	B	G	Y	Y	G
FI - Euroclear Finland	B	B	B	B	B	B	B	B	Y	B	B	B	B	N/A	N/A	B	Y
FR - Euroclear France	G	B	B	B	G	G	G	G	B	B	B	B	B	Y	B	B	Y
GR - BOGS	B	N/A	N/A	N/A	B	N/A	B	B	B	B	B	B	B	B	B	N/A	G
GR - AthexCSD	B	B	B	B	B	B	B	N/A	Y	B	G	B	B	Y	Y	B	Y
HR - SKDD	B	B	B	B	G	G	G	N/A	G	B	B	G	G	R	G	N/A	G
HU - KELER	B	B	B	B	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	N/A	Y
IE - Euroclear Bank	B	B	B	B	B	B	G	B	B	B	B	B	B	G	B	B	G
IT - Euronext Securities Milan	B	B	B	B	B	B	G	B	Y	G	B	Y	B	Y	G	Y	Y
LT - NASDAQ	B	N/A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
LU - Clearstream Banking Luxembourg	Y	B	B	B	G	G	B	B	G	B	G	B	B	G	Y	B	G
LU - LuxCSD	Y	B	B	B	G	G	B	B	G	B	G	B	B	G	Y	B	G
LV - NASDAQ	B	N/A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
MT - Malta Stock Exchange	B	N/A	B	B	B	B	B	B	B	B	B	B	B	Y	B	B	G
NL - Euroclear Nederland	B	B	B	B	G	G	B	B	G	B	B	B	B	Y	B	B	Y
NO - Euronext Securities Oslo	B	B	B	B	G	G	G	N/A	G	Y	Y	Y	B	N/A	G	Y	Y
PL - KDPW	B	B	B	B	B	B	B	B	B	B	B	B	B	N/A	G	B	G
PL - SKARBNET4	B	N/A	N/A	N/A	B	N/A	B	B	N/A	B	N/A	N/A	N/A	N/A	N/A	N/A	B
PT - Euronext Securities Porto	B	B	B	B	B	B	B	B	G	B	B	B	B	N/A	G	B	Y
RO - Depozitarul Central	B	N/A	B	B	B	N/A	G	B	B	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y
RO - SaFIR	B	N/A	N/A	N/A	B	B	B	B	G	N/A	N/A	N/A	N/A	N/A	G	B	G
SE - Euroclear Sweden	B	B	B	N/A	Y	N/A	G	B	B	B	B	R	B	R	R	N/A	R
SI - KDD	B	N/A	B	B	B	N/A	B	B	B	B	B	B	B	N/A	Y	N/A	Y
SK - CDCP	B	B	B	B	G	N/A	G	G	G	Y	Y	Y	Y	Y	Y	N/A	Y
UK - Euroclear International	B	B	B	B	B	B	B	B	B	B	B	N/A	B	N/A	N/A	N/A	N/A

Chart 6

Corporate Actions Standard 8, General Principle 1 (for CSDs supporting night-time settlement) and General Principle 2 (for CSDs not supporting night-time settlement) – proportion of payments made overnight

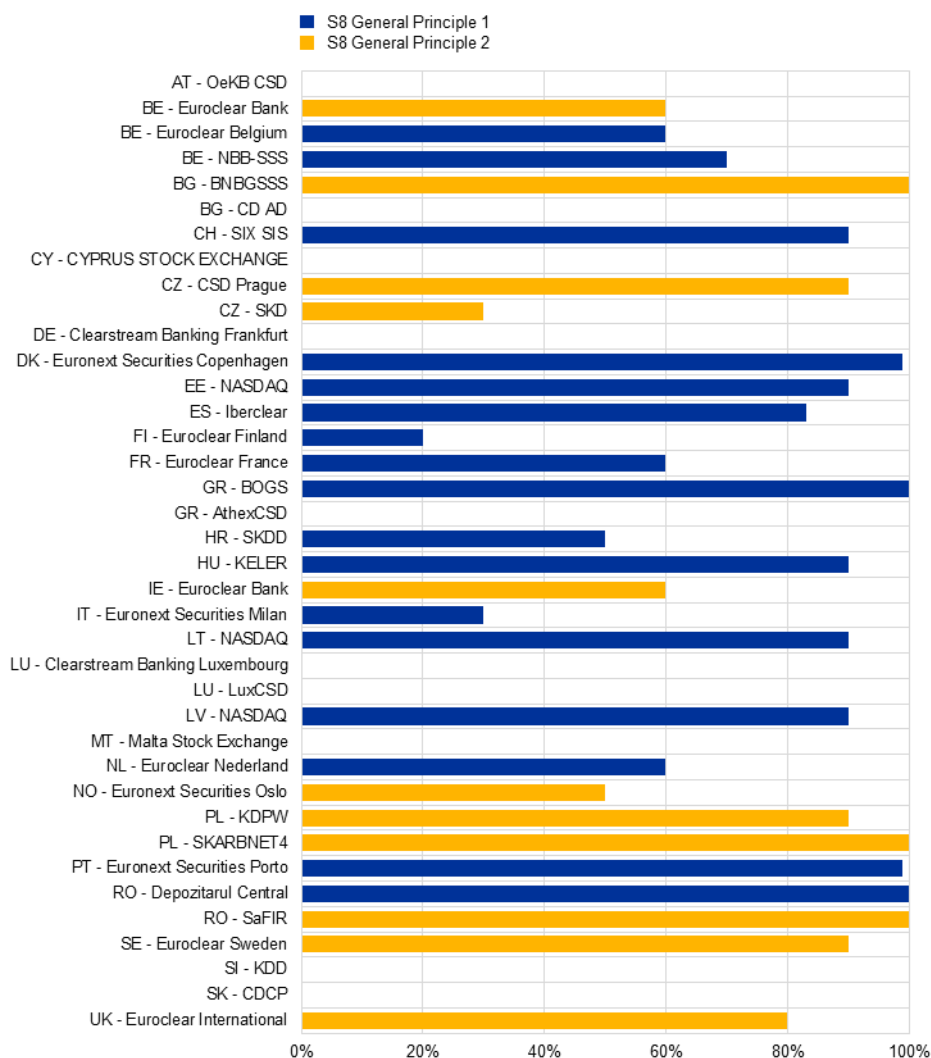


Chart 6 shows Corporate Actions Standard 8 on the proportion of payments made overnight: (i) General Principle 1 for CSDs in night-time settlement markets, and (ii) General Principle 2 for CSDs in non-night-time settlement markets. The chart sets out the cash proceeds paid by 09:30 (issuer CSD time), namely the percentage of payments made by that time over the last six months (i.e. since the last SCoRE monitoring exercise).

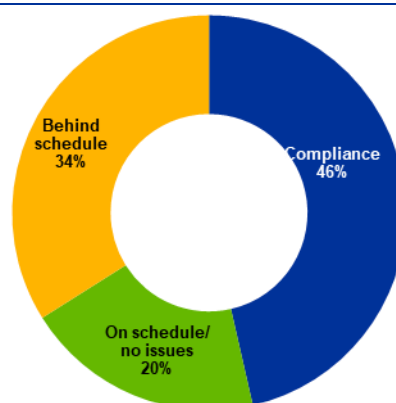
Key takeaways

The survey indicates that for nine CSDs in T2S and six non-T2S CSDs, 90% or more of the cash proceeds payments were made by 09:30 (issuer CSD time). There are 15 CSDs for which 50% or less of their cash proceeds payments were made by that time.

3.2.3 TPA compliance with the SCoRE Corporate Actions Standards

Chart 7

TPA compliance with SCoRE Corporate Actions Standards



Notes: The graph summarises the colour codes assigned to the standards in the Corporate Actions SCoREBOARD for TPAs (see Table 13). The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets.

Key takeaways	Action points
On schedule: Most standards are expected to be implemented on schedule.	Compliance with Standards 1F-H should be stepped up or clarified by BNY Mellon and Euroclear France in the next round.

Table 13

TPA compliance with Corporate Actions Standards

The table shows the implementation status of the respective TPAs for each of the Corporate Actions Standards.

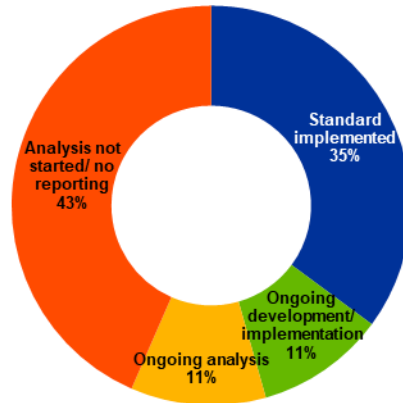
	BE BNY Mellon	BE Euroclear Bank	CH SIX SIS	FR BNP Paribas	FR Euroclear France	LU Clearstream Banking Luxembourg	LU JP Morgan
1A	B	B	G	Y	B	B	Y
1B	B	B	G	Y	B	B	Y
1C	B	B	G	Y	B	B	Y
1D	B	B	G	Y	B	B	Y
1E	B	B	G	Y	B	G	Y
1F	Y	B	B	B	Y	G	Y
1G	Y	B	G	B	Y	G	Y
1H	Y	B	G	B	Y	G	Y

Notes: TPAs are using custody services provided by CSDs or custodians to disseminate corporate actions information to collateral givers and collateral takers. Therefore, the monitoring of TPAs focuses on the implementation of triparty-specific workflows, as described in Standard 1. The colour code reflects the current implementation status of each standard based on the methodology outlined in Figure 4 and in Annex 2. Blue means that the standard has already been implemented; green means that the entity is on schedule with the implementation of the standard; yellow means that the entity is behind schedule; red means that implementation has not yet started.

3.2.4 Custodian compliance with SCoRE Corporate Actions Standards

Chart 8

Custodian compliance with Corporate Actions Standards



Notes: The graph summarises the colour codes assigned to the responses to the Corporate Actions SCoRE survey for custodians (see Table 20). The percentages represent the number of replies assigned to a given colour out of the applicable questions, across all markets. Each standard has been assigned the same relative weight (i.e. replies have different weights based on how many questions there are in the standard).

Key takeaways	Action points
<p>Compliance and on schedule: Implementation is on schedule for Standard 4 (Rounding rules) and Standard 11 (Availability of default options).</p> <p>Behind schedule: Implementation is behind schedule for the remaining standards. There is a dependency on implementation by CSDs, where some delays in the interim milestones are being addressed.</p> <p>No reporting: Custodians in two markets (LV and UK) have not participated in the survey.</p>	<p>NSGs should make further efforts to involve custodians.</p>

Table 14a

Custodian compliance – Corporate Actions Standards (Standards 1A-4, Rule 5)

The table shows the percentage of monitored custodians implementing the standards on time. Annex 3 provides a granular overview of the implementation status of custodians for each of the Corporate Actions Standards.

	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5
AT	48%	60%	44%	43%	43%	60%	60%	50%	40%	40%	60%	60%	60%	60%	60%
BE	50%	40%	50%	60%	43%	70%	36%	50%	43%	34%	40%	40%	60%	20%	40%
BG	60%	56%	44%	50%	40%	59%	56%	53%	57%	57%	50%	50%	60%	50%	50%
CH	50%	50%	50%	48%	50%	100%	100%	100%	50%	49%	100%	100%	100%	100%	100%
CY	68%	57%	66%	67%	50%	63%	57%	47%	61%	61%	71%	71%	71%	71%	71%
CZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DE	53%	48%	39%	41%	46%	57%	55%	45%	56%	52%	57%	50%	57%	58%	62%
DK	100%	100%	100%	100%	75%	97%	100%	100%	99%	98%	100%	100%	100%	100%	100%
EE	27%	0%	0%	0%	0%	59%	33%	67%	33%	2%	67%	67%	33%	33%	33%
ES	85%	85%	84%	85%	85%	85%	85%	85%	84%	83%	86%	86%	86%	86%	86%
FI	95%	100%	71%	65%	50%	100%	100%	100%	81%	67%	100%	100%	100%	100%	100%
FR	47%	45%	43%	42%	43%	43%	40%	29%	42%	41%	43%	43%	43%	43%	43%
GR	97%	91%	93%	76%	90%	74%	74%	78%	84%	82%	83%	83%	83%	83%	83%
HR	34%	31%	32%	35%	23%	48%	42%	44%	33%	34%	58%	58%	58%	58%	58%
HU	24%	24%	25%	22%	25%	25%	25%	25%	19%	17%	25%	25%	25%	25%	25%
IE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT	71%	71%	71%	70%	71%	66%	65%	40%	69%	70%	71%	71%	71%	71%	71%
LT	44%	25%	0%	0%	0%	33%	33%	50%	23%	25%	50%	50%	50%	50%	50%
LU	100%	100%	0%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	90%	100%	100%	100%	50%	100%	88%	100%	100%	100%	N/A	100%	100%	100%	100%
NL	67%	67%	67%	66%	67%	60%	60%	60%	66%	66%	67%	67%	67%	67%	67%
NO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PL	24%	22%	17%	19%	0%	21%	17%	17%	11%	13%	29%	29%	29%	29%	29%
PT	51%	50%	52%	50%	51%	51%	50%	53%	49%	48%	50%	50%	50%	50%	63%
RO	0%	0%	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SE	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	100%	100%	100%	100%	100%
SI	75%	74%	74%	72%	71%	66%	74%	67%	67%	67%	100%	100%	100%	100%	100%
SK	50%	56%	37%	53%	39%	65%	48%	50%	66%	73%	67%	67%	67%	67%	67%
UK	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Notes: The percentage reflects the number of custodians where the standard/rule that has already been implemented plus the number of custodians where the standard/rule is in ongoing development and implementation. The percentages are calculated on the basis of the custodians monitored in the market for which the standards are applicable. When a standard/rule is assessed with several questions in the survey, each question is counted individually to compute the percentage. When a standard is not applicable for all custodians in an AMI-SeCo market, "N/A" is reported. A "-" indicates the markets where no custodians are monitored. 0% indicates that all custodians in the AMI-SeCo market either replied "behind schedule" or "implementation not started" or did not reply to the question.

Table 14b

Custodian compliance – Corporate Actions Standards (Standards 5-15)

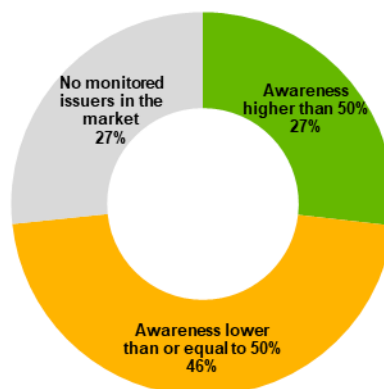
	5	9	10 Rule 1	10 Rule 2	10 Rule 3	11	12	13	15
AT	50%	0%	60%	60%	40%	60%	60%	20%	36%
BE	67%	40%	60%	50%	50%	60%	25%	20%	28%
BG	50%	60%	60%	60%	50%	60%	33%	60%	54%
CH	100%	100%	75%	100%	100%	100%	100%	100%	38%
CY	50%	71%	71%	71%	67%	71%	60%	57%	21%
CZ	-	-	-	-	-	-	-	-	-
DE	44%	38%	46%	58%	50%	58%	31%	46%	29%
DK	75%	100%	100%	100%	67%	100%	100%	75%	70%
EE	0%	0%	0%	0%	0%	67%	0%	0%	20%
ES	85%	85%	86%	82%	70%	85%	85%	77%	52%
FI	100%	75%	100%	100%	75%	100%	50%	100%	65%
FR	43%	43%	43%	43%	43%	43%	43%	33%	23%
GR	50%	83%	83%	83%	80%	83%	80%	83%	47%
HR	40%	45%	42%	36%	36%	42%	18%	30%	38%
HU	13%	25%	25%	25%	25%	25%	25%	13%	12%
IE	-	-	-	-	-	-	-	-	-
IT	67%	57%	57%	60%	71%	71%	57%	71%	26%
LT	0%	0%	0%	0%	0%	50%	25%	0%	27%
LU	100%	0%	100%	100%	0%	100%	100%	0%	0%
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	N/A	N/A	100%	100%	N/A	100%	N/A	N/A	N/A
NL	60%	67%	67%	67%	67%	67%	50%	67%	28%
NO	-	-	-	-	-	-	-	-	-
PL	17%	29%	29%	17%	17%	29%	0%	0%	17%
PT	50%	50%	50%	57%	43%	57%	50%	50%	39%
RO	0%	0%	0%	0%	0%	0%	0%	0%	3%
SE	100%	100%	100%	100%	50%	100%	50%	100%	52%
SI	50%	67%	75%	67%	67%	100%	0%	50%	80%
SK	50%	67%	33%	33%	33%	67%	33%	67%	69%
UK	0%	0%	0%	0%	0%	0%	0%	0%	0%

Notes: Corporate Actions Standards 6, 7, 8 and 14 are not relevant for custodians.

3.2.5 Issuers' awareness of their obligation to provide all relevant information to issuer CSDs – Corporate Actions Standards

Chart 9

For issuers in all markets: percentage of issuers with a high or low awareness of their obligations to provide information to issuer CSDs



Note: The chart above reflects the number of cells in Table 15 with a value higher than 50% (high level of awareness in green), lower than or equal to 50% (low level of awareness in yellow) or with a "-" (no issuers monitored in the market in grey).

Key takeaways	Action points
<p>High awareness of SCoRE Corporate Actions Standards in some markets (BG, CY, DK, EE, ES, FI, FR, GR, NL, PT and SI).</p> <p>Low awareness in the remaining markets – issuer awareness should be increased.</p> <p>No reporting: two markets should obtain feedback from the issuer community (LV and PL).</p>	<p>Issuers (and their agents) should be aware of the SCoRE Corporate Actions Standards, in particular:</p> <ul style="list-style-type: none"> • Standard 1 (Provision of corporate actions information) • Standard 2 (Key data elements) • Standard 3 (Consistent information) • Standard 4 (Rounding rules) • Standard 5 (Negative cash flow) • Standard 6 (Business day conventions) • Standard 7 (Securities amount data) • Standard 8 (Payment time) • Standard 9 (Delays) • Standard 11 (Default options) • Standard 13 (Reversal announcements)

Table 15a

Issuers' awareness of their obligations to provide all relevant information to the issuer CSDs for each of Corporate Actions Standards 1A-6

	1A	1F	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5	5	6
AT	25%	25%	25%	25%	25%	25%	25%	25%	25%	13%	25%
BE	38%	25%	25%	25%	50%	50%	50%	50%	50%	25%	50%
BG	80%	80%	80%	80%	80%	80%	80%	80%	80%	60%	80%
CH	0%	0%	0%	0%	0%	25%	25%	25%	25%	25%	0%
CY	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%
CZ	-	-	-	-	-	-	-	-	-	-	-
DE	10%	0%	13%	0%	25%	25%	63%	38%	50%	25%	63%
DK	67%	0%	0%	75%	100%	75%	100%	75%	75%	50%	100%
EE	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
ES	92%	20%	50%	50%	100%	100%	100%	100%	100%	50%	100%
FI	25%	25%	50%	50%	50%	50%	50%	50%	50%	25%	75%
FR	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%
GR	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	100%
HR	40%	31%	29%	29%	29%	29%	29%	29%	29%	14%	29%
HU	20%	36%	20%	20%	20%	20%	20%	20%	20%	20%	20%
IE	-	-	-	-	-	-	-	-	-	-	-
IT	33%	27%	0%	0%	33%	33%	33%	33%	33%	0%	33%
LT	17%	36%	20%	20%	40%	40%	40%	40%	40%	20%	40%
LU	-	-	-	-	-	-	-	-	-	-	-
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	-	-	-	-	-	-	-	-	-	-	-
NL	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%
NO	-	-	-	-	-	-	-	-	-	-	-
PL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PT	67%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%
RO	-	-	-	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-	-	-	-
SI	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
SK	0%	0%	0%	20%	20%	20%	20%	0%	20%	0%	60%
UK	-	-	-	-	-	-	-	-	-	-	-

Notes: Issuers were asked to confirm (on a yes/no basis) whether they were aware of their obligation to provide all relevant information to the issuer CSD.

The percentage reflects the number of questions that were answered "Yes" in the survey.

Percentages are calculated on the basis of the entities monitored (i.e. all entities that committed to taking part in the survey are included in the calculation, irrespective of whether or not they submitted answers).

A "-" indicates the markets where no issuers are monitored.

0% indicates that all issuers in the AMI-SeCo market either replied "No" or did not reply to the question.

Corporate Actions Standards 1B to 1E, 1G, 1H, 10, 12, 14 and 15 are not relevant for issuers.

Table 15b

Issuers' awareness of their obligation to provide all relevant information to the issuer CSDs for each of Corporate Actions Standards 7-13

	7 Rule 1	7 Rule 2	7 Rule 3	7 Rule 4	8 Rule 1	8 Rule 2	8 Rule 3	8 General Principle 3	9	11	13
AT	25%	25%	25%	25%	13%	13%	13%	13%	25%	25%	25%
BE	50%	50%	50%	50%	50%	50%	75%	75%	50%	50%	25%
BG	80%	60%	60%	60%	60%	60%	60%	60%	80%	80%	80%
CH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CY	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%	100%
CZ	-	-	-	-	-	-	-	-	-	-	-
DE	63%	50%	38%	38%	50%	13%	50%	38%	50%	25%	13%
DK	100%	75%	75%	75%	75%	75%	75%	0%	25%	75%	25%
EE	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%
ES	100%	50%	50%	50%	100%	50%	50%	100%	100%	100%	50%
FI	75%	75%	75%	75%	50%	75%	50%	25%	50%	75%	25%
FR	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%
GR	100%	100%	100%	100%	100%	100%	100%	50%	100%	100%	100%
HR	14%	14%	29%	29%	14%	14%	14%	14%	29%	14%	29%
HU	40%	40%	40%	40%	20%	20%	20%	20%	20%	40%	20%
IE	-	-	-	-	-	-	-	-	-	-	-
IT	33%	33%	33%	0%	33%	33%	33%	0%	33%	33%	33%
LT	40%	40%	40%	40%	20%	0%	20%	0%	20%	40%	20%
LU	-	-	-	-	-	-	-	-	-	-	-
LV	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MT	-	-	-	-	-	-	-	-	-	-	-
NL	100%	100%	100%	100%	100%	0%	0%	100%	100%	0%	100%
NO	-	-	-	-	-	-	-	-	-	-	-
PL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PT	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%
RO	-	-	-	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-	-	-	-
SI	100%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%
SK	40%	40%	60%	60%	20%	40%	20%	20%	0%	20%	0%
UK	-	-	-	-	-	-	-	-	-	-	-

3.3 Compliance with the Billing Processes Standards

3.3.1 Background

The SCoRE contains four standards relating to billing processes (published as the [SCoRE Standards for Billing Processes](#)). This section presents the compliance status of the monitored entities as of 13 September 2024.

The standards being assessed are listed below.

Table 16
SCoRE Billing Processes Standards

No	Name
1	ISO 20022 messages for billing information
2	Harmonised billing cycles
3	Cut-off date for provision of billing information by (I)CSDs
4	Harmonised dates for payment of fees to (I)CSDs

Source: [Billing Processes: Single Collateral Management Rulebook for Europe](#).

On the provider side, the monitored entities are:

- CSDs (see Section 3.3.1);
- TPAs (see Section 3.3.2);
- Custodians (see Section 3.3.3).

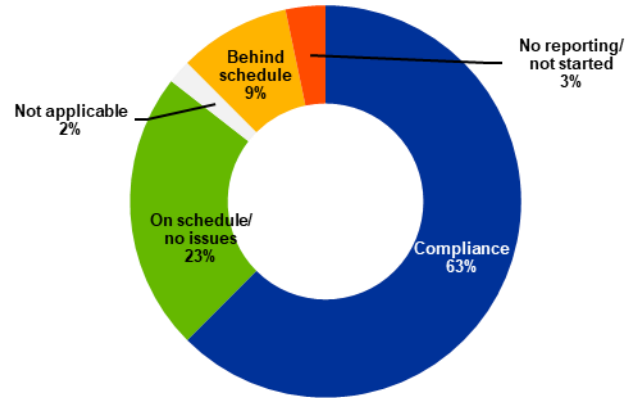
On the user side, the monitored entities are:

- Eurosystem national central banks; NCBs are monitored by the ECB in their role as users of corporate actions services (all Eurosystem NCBs are on track).

3.3.2 CSD compliance with SCoRE Billing Processes Standards

Chart 10

CSD compliance with SCoRE Billing Processes Standards



Notes: The graph summarises the colour codes assigned to the standards in the Billing Processes SCoREBOARD for CSDs (see Table 17). The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets.

Key takeaways	Action points
<p>Compliance: There has been a high level of compliance with Standard 2 (Billing cycle) and Standard 3 (Cut-off date).</p> <p>On schedule: The implementation is on schedule for Standard 1 (ISO 20022) and Standard 4 (Payment dates) in many markets.</p> <p>Behind schedule: The implementation is behind schedule for Standard 1 in some markets (but no showstoppers have emerged that could affect the overall migration).</p>	

Note: SKD Standard 1 is assigned red as the implementation has been put on hold, SKD has already completed the analysis of the standard.

Table 17

CSD compliance with Billing Processes Standards

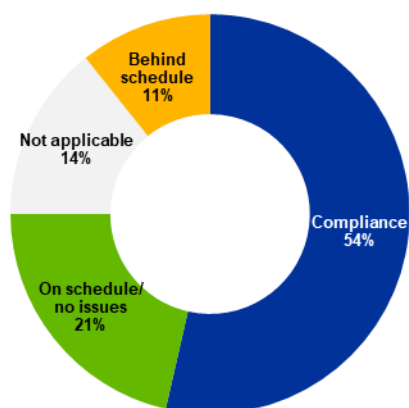
	1	2	3	4
AT - OeKB CSD	B	B	B	B
BE - Euroclear Bank	G	B	B	B
BE - Euroclear Belgium	G	B	B	G
BE - NBB-SSS	G	B	B	B
BG - BNBGSSS	Y	G	G	G
BG - CD AD	B	B	B	B
CH - SIX SIS	G	B	B	B
CY - Cyprus Stock Exchange	Y	G	G	Y
CZ - CSD Prague	G	B	B	G
CZ - SKD	R	B	B	R
DE - Clearstream Banking Frankfurt	G	B	B	B
DK - Euronext Securities Copenhagen	B	B	B	B
EE - NASDAQ	B	B	B	B
ES - Iberclear	G	B	B	G
FI - Euroclear Finland	Y	B	B	Y
FR - Euroclear France	G	B	B	G
GR - BOGS	B	B	B	B
GR - AthexCSD	Y	B	B	Y
HR - SKDD	G	B	B	G
HU - KELER	R	Y	Y	G
IE - Euroclear	G	B	B	B
IT - Euronext Securities Milan	G	B	B	G
LT - NASDAQ	B	B	B	B
LU - Clearstream Banking Luxembourg	G	B	B	B
LU - LuxCSD	G	B	B	B
LV - NASDAQ	B	B	B	B
MT - Malta Stock Exchange	B	B	B	B
NL - Euroclear Nederland	G	B	B	G
NO - Euronext Securities Oslo	Y	B	B	Y
PL - KDPW	Y	B	B	G
PL - SKARBNET4	B	N/A	N/A	N/A
PT - Euronext Securities Porto	G	B	B	B
RO - Depozitarul Central	Y	B	B	G
RO - SaFIR	G	G	G	G
SE - Euroclear Sweden	Y	B	B	R
SI - KDD	G	B	B	B
SK - CDCP	B	B	B	B
UK - Euroclear International	R	B	B	B

Notes: The colour code reflects the implementation status for each standard, by the closing date of this survey, based on the methodology outlined in Annex 2. Blue means that the standard has already been implemented; green means that the entity is on schedule with the implementation of the standard; yellow means that the entity is behind schedule; red means that implementation has not yet started.

3.3.3 TPA compliance with Billing Processes Standards

Chart 11

TPA compliance with SCoRE Billing Processes Standards



Notes: The graph summarises the colour codes assigned to the standards in the Billing Processes SCoREBOARD for TPAs (see Table 18). The percentages are calculated based on the number of standards of a given colour across all AMI-SeCo markets.

Key takeaways	Action points
<p>Compliance: There is a high level of compliance with Standard 2 (Billing cycle), Standard 3 (Cut-off date) and Standard 4 (Payment date).</p> <p>Behind schedule: Some TPAs have not yet concluded their analysis for Standard 1. No showstoppers have emerged that could affect overall migration.</p> <p>Not applicable: Standard 3 (Cut-off date) is only applicable to TPAs that are operated by a CSD (because the standard requires CSDs to set a cut-off date for providing billing information to clients). Standard 3 is therefore not applicable to BNY Mellon, BNP Paribas and JP Morgan, which are not operated by CSDs.</p>	

Table 18

TPA compliance with Billing Processes Standards

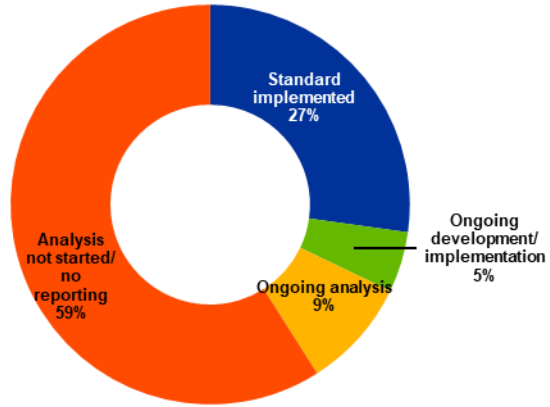
	BE BNY Mellon	BE Euroclear Bank	CH SIX SIS	FR BNP Paribas	FR Euroclear France	LU Clearstream Banking Luxembourg	LU JP Morgan
1	Y	G	G	Y	G	G	Y
2	B	B	B	B	B	B	B
3	N/A	B	B	N/A	B	B	N/A
4	B	B	G	B	G	B	N/A

Notes: The colour code reflects the implementation status for each standard, by the closing date of this survey, based on the methodology outlined in Annex 2. Blue means that the standard has already been implemented; green means that the entity is on schedule with the implementation of the standard; yellow means that the entity is behind schedule; red means that implementation has not yet started.

3.3.4 Custodian compliance with Billing Processes Standards

Chart 12

Custodian compliance with Billing Processes Standards



Notes: The graph summarises the colour codes assigned to the responses to the Billing Processes SCoRE survey for custodians (see Table 21). The percentages represent the number of replies assigned to a given colour out of the applicable questions, across all markets. Each standard has been assigned the same relative weight (i.e. replies have different weights based on how many questions there are in the standard).

Key takeaways	Action points
<p>Compliance and on schedule: Implementation of Standard 2 (Billing cycle) is on track in many markets.</p> <p>Behind schedule: Most custodians have not started analysis for Standard 1 (but this is expected to take place after the CSDs have carried out their internal implementations).</p> <p>No reporting/not started: No feedback was collected from custodians in four markets (AT, LU, LV and UK).</p>	<p>NSGs should address the low levels of reporting among custodians.</p>

Table 19**Custodian compliance – Billing Processes Standards**

The table shows the percentage of monitored custodians implementing the standards on time. Annex 3 provides a granular overview of the implementation status of custodians for each of the Billing Processes Standards.

	1	2		1	2
AT	0%	0%	IE	-	-
BE	14%	80%	IT	0%	71%
BG	0%	40%	LT	14%	50%
CH	33%	80%	LU	0%	0%
CY	30%	67%	LV	0%	0%
CZ	-	-	MT	N/A	100%
DE	14%	64%	NL	33%	60%
DK	0%	100%	NO	-	-
EE	0%	33%	PL	0%	29%
ES	29%	83%	PT	31%	43%
FI	25%	100%	RO	13%	25%
FR	0%	25%	SE	N/A	100%
GR	63%	100%	SI	50%	100%
HR	22%	42%	SK	33%	50%
HU	0%	25%	UK	0%	0%

Notes: The percentage reflects the number of custodians where the standard/rule that has already been implemented plus the number of custodians where the standard/rule is in ongoing development and implementation.

The percentages are calculated on the basis of the custodians monitored in the market for which the standards are applicable. When a standard/rule is assessed with several questions in the survey, each question is counted individually to compute the percentage. When a standard is not applicable for all custodians in an AMI-SeCo market, "N/A" is reported. A "-" indicates the markets where no custodians are monitored.

0% indicates that all custodians in the AMI-SeCo market either replied "behind schedule" or "implementation not started" or did not reply to the question.

Billing Processes Standards 3 and 4 are not relevant for custodians.

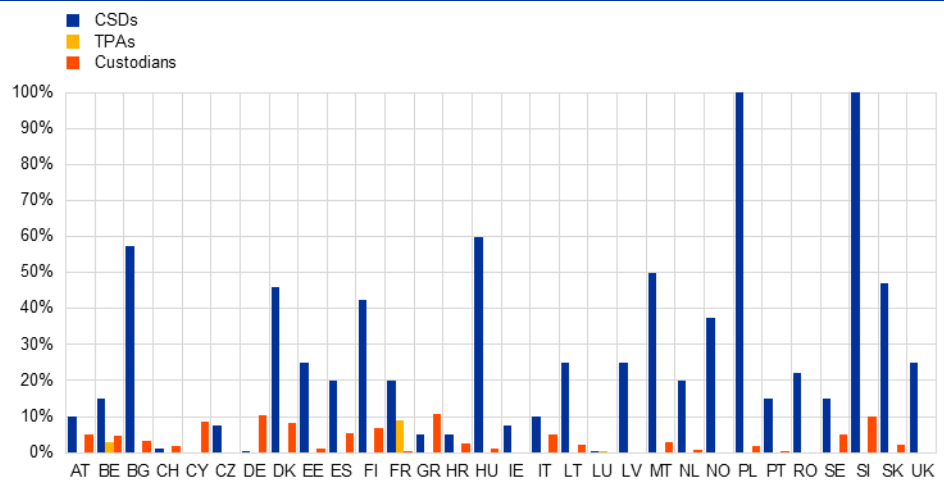
4 ISO 2022 adoption

To track progress with regard to the market-wide adoption of ISO 2022 messaging, information was collected from reporting entities on the percentage of their clients/counterparties with the capability to communicate in Application-to-Application (A2A) format using ISO 2022 messages.

Chart 13 illustrates the percentages of CSD, TPA and custodian clients with the capability to communicate in A2A using ISO 2022 messages.

Chart 13

Percentages of CSD, TPA and custodian clients with the capability to communicate in A2A using ISO 2022 messages



Notes: CSDs, TPAs and custodians were asked to provide an estimate of the percentage of their clients with the capability to communicate in A2A using ISO 2022 messages. The percentages in the table reflect the average by entity type for each AMI-SeCo market. For the CSDs of PL and SI, the percentage of clients is 100%.

Annex 1: Markets participating in the surveys and monitored entities⁷

Participating markets	Triparty Collateral Management survey	Corporate Actions survey	Billing Processes survey
AT	N/A	1 CSD 5 Custodians (3) 8 Issuers (2)	1 CSD 5 Custodians (0)
BE	2 TPAs	3 CSDs 2 TPAs 5 Custodians (4) 4 Issuers (3)	3 CSDs 2 TPAs 5 Custodians (4)
BG	N/A	2 CSDs 5 Custodians (3) 5 Issuers (4)	2 CSDs 5 Custodians (3)
CH	1 TPA	1 CSD 1 TPA 5 Custodians 4 Issuers (2)	1 CSD 1 TPA 5 Custodians (4)
CY	N/A	1 CSD 7 Custodians (5) 1 Issuer	1 CSD 7 Custodians (5)
CZ	N/A	2 CSDs	2 CSDs
DE	N/A	1 CSD 16 Custodians (12) 8 Issuers (6)	1 CSD 16 Custodians (12)
DK	N/A	1 CSD 4 Custodians 4 Issuers	1 CSD 4 Custodians
EE	N/A	1 CSD 3 Custodians (2) 1 Issuers	1 CSD 3 Custodians (1)
ES	N/A	1 CSD 15 Custodians (13) 2 Issuers	1 CSD 15 Custodians (13)
FI	N/A	1 CSD 4 Custodians 4 Issuers (3)	1 CSD 4 Custodians
FR	2 TPAs	1 CSD 2 TPAs 8 Custodians (4) 1 Issuer	1 CSD 2 TPAs 8 Custodians (2)
GR	N/A	2 CSDs 6 Custodians 2 Issuers	2 CSDs 6 Custodians
HR	N/A	1 CSD 12 Custodians (11) 7 Issuers (3)	1 CSD 12 Custodians (11)
HU	N/A	1 CSD 8 Custodians (2) 5 Issuers (3)	1 CSD 8 Custodians (2)
IE	N/A	1 CSD	1 CSD

⁷ Monitored or participating entities are those that received the token needed to fill in the survey. This does not necessarily mean that they submitted answers to the survey. The number of entities that submitted answers is indicated in parentheses when it differs from the total number of monitored entities.

Participating markets	Triparty Collateral Management survey	Corporate Actions survey	Billing Processes survey
IT	N/A	1 CSD 7 Custodians (5) 3 Issuers (1)	1 CSD 7 Custodians (5)
LT	N/A	1 CSD 4 Custodians (2) 5 Issuers (2)	1 CSD 4 Custodians (2)
LU	2 TPAs	2 CSDs 2 TPAs 1 Custodians	2 CSDs 2 TPAs 1 Custodians (0)
LV	N/A	1 CSD 7 Custodians (0) 1 Issuer (0)	1 CSD 7 Custodians (0)
MT	N/A	1 CSD 1 Custodian	1 CSD 1 Custodian
NL	N/A	1 CSD 6 Custodians (4) 1 Issuer	1 CSD 5 Custodians (4)
NO	N/A	1 CSD	1 CSD
PL	N/A	2 CSDs 7 Custodians (2) 1 Issuer (0)	2 CSDs 7 Custodians (2)
PT	N/A	1 CSD 9 Custodians (6) 1 Issuer	1 CSD 9 Custodians (6)
RO	N/A	2 CSDs 4 Custodians (1)	2 CSDs 4 Custodians (1)
SE	N/A	1 CSD 2 Custodians	1 CSD 2 Custodians
SI	N/A	1 CSD 4 Custodians 1 Issuer	1 CSD 4 Custodians
SK	N/A	1 CSDs 6 Custodians (5) 5 Issuers (4)	1 CSDs 6 Custodians (5)
UK	N/A	1 CSD 12 Custodians (0)	1 CSD 12 Custodians (0)

Note: For the Triparty Collateral Management survey, "N/A" indicates that the market does not have a TPA.

Annex 2: Methodology applied for the monitoring exercise

As indicated in the [framework document](#) of December 2019, reporting on progress made with implementation is undertaken twice a year. The monitoring activity involves assessing the progress being made through the implementation of the SCoRE Standards. Progress is also monitored against a set of 13 milestones that are to be achieved by their respective deadlines.

The compliance status of all relevant actors with the AMI-SeCo Standards is displayed using a four-colour scheme.

Colour coding

As set out in the above-mentioned framework document, the colour coding applied to the responses to the questions on standards is shown below.



- The Standard has been implemented
 - Implementation of the Standard is on schedule (based on the agreed milestones)
 - Implementation is behind schedule (based on the agreed milestones)
 - Implementation has not started
-

Presentation of the figures

- **CSDs and TPAs:** The replies of the 38 CSDs and seven TPAs in the AMI-SeCo community are presented on an individual basis. The status of implementation of their standards is assigned a colour-coded status that is applied in accordance with the methodology outlined above.
- **Custodians and issuers:** There are too many to represent individually. The replies of custodians and issuers from the AMI-SeCo community participating in the monitoring are presented on an aggregated basis by market and assigned a percentage representing their compliance status.
- **N/A (not applicable):** N/A may only be given in response to the questions related to standards (i.e. milestones questions are always applicable).

- **In the case of CSD and TPA compliance with standards:** When “N/A” is shown in the tables/charts, it means that a specific standard is not applicable to the specific CSD or TPA.
- **For custodians:** When a custodian answers “N/A” to a standard, the reply is not considered in the calculation of the aggregated percentages (neither for the numerator nor for the denominator).

Monitored entities (i.e. expected number of respondents)

Monitored entities are those entities that were invited to participate in the surveys (and thus received tokens to participate in the surveys). This does not necessarily mean that those entities submitted answers to the surveys.

Nevertheless, all the entities that committed to taking part in the survey are counted in the calculation, irrespective of whether or not they submitted answers. This is particularly noticeable for the participation rate (Chart 3), the charts for visualisations on the level of compliance with standards for custodians and issuers (Charts 8, 9 and 12, Tables 14, 15 and 19) and the milestone tables for custodians (Tables 5 and 8).

The **percentages** are thus calculated based on the expected number of respondents (i.e. all entities which have received a token to participate in the surveys) across all AMI-SeCo markets.

Unless otherwise specified in the footnote of a visual, entities that did not submit answers are counted as 0% in the numerator but as participants in the denominator.

Annex 3: Detailed status of implementation of Corporate Actions and Billing Processes Standards by custodians

Table 20a

Custodian compliance – Corporate Actions Standards (Standards 1A-4, Rule 5)

The table shows the implementation status of custodians for each of the Corporate Actions Standards.

	Colour Code	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5
AT	B	6%	9%	12%	6%	7%	29%	22%	17%	19%	29%	20%	20%	20%	20%	20%
	G	42%	51%	32%	37%	37%	31%	38%	33%	21%	11%	40%	40%	40%	40%	40%
	Y	12%	0%	16%	14%	17%	0%	0%	0%	20%	20%	0%	0%	0%	0%	0%
	R	40%	40%	40%	43%	40%	40%	40%	50%	40%	40%	40%	40%	40%	40%	40%
BE	B	44%	27%	40%	50%	23%	70%	36%	50%	41%	33%	40%	40%	60%	20%	40%
	G	6%	13%	10%	10%	20%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%
	Y	10%	20%	25%	10%	17%	0%	32%	0%	12%	18%	20%	20%	0%	40%	20%
	R	40%	40%	25%	30%	40%	30%	32%	50%	45%	48%	40%	40%	40%	40%	40%
BG	B	60%	33%	28%	41%	27%	57%	33%	40%	28%	32%	25%	25%	40%	25%	25%
	G	0%	22%	16%	9%	13%	2%	22%	13%	29%	25%	25%	25%	20%	25%	25%
	Y	0%	4%	16%	6%	20%	0%	4%	7%	1%	1%	0%	0%	0%	0%	0%
	R	40%	40%	40%	44%	40%	41%	40%	40%	42%	41%	50%	50%	40%	50%	50%
CH	B	50%	50%	50%	48%	50%	100%	100%	100%	48%	48%	100%	100%	100%	100%	100%
	G	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
	Y	48%	50%	50%	52%	50%	0%	0%	0%	50%	51%	0%	0%	0%	0%	0%
	R	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CY	B	67%	57%	63%	63%	50%	63%	57%	47%	61%	61%	71%	71%	71%	71%	71%
	G	1%	0%	3%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	3%	9%	6%	4%	21%	8%	9%	21%	1%	1%	0%	0%	0%	0%	0%
	R	29%	33%	29%	29%	29%	29%	33%	32%	38%	37%	29%	29%	29%	29%	29%
CZ	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DE	B	45%	40%	31%	33%	38%	40%	38%	27%	47%	43%	50%	43%	50%	50%	54%
	G	8%	8%	8%	8%	8%	17%	17%	18%	9%	10%	7%	7%	7%	8%	8%
	Y	16%	21%	30%	27%	23%	8%	11%	18%	10%	14%	14%	21%	14%	8%	8%
	R	31%	31%	31%	33%	31%	35%	35%	36%	34%	34%	29%	29%	29%	33%	31%

	Colour Code	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5
DK	B	63%	67%	64%	53%	25%	70%	68%	67%	72%	78%	100%	100%	100%	100%	100%
	G	38%	33%	36%	47%	50%	27%	32%	33%	27%	20%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	25%	3%	0%	0%	1%	2%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
EE	B	0%	0%	0%	0%	0%	26%	33%	33%	31%	0%	67%	67%	33%	33%	33%
	G	27%	0%	0%	0%	0%	33%	0%	33%	3%	2%	0%	0%	0%	0%	0%
	Y	7%	33%	33%	16%	33%	7%	0%	0%	33%	33%	0%	0%	0%	0%	0%
	R	67%	67%	67%	84%	67%	33%	67%	33%	33%	65%	33%	33%	67%	67%	67%
ES	B	74%	71%	64%	67%	43%	54%	50%	31%	64%	58%	79%	71%	86%	79%	86%
	G	11%	14%	20%	17%	42%	31%	34%	54%	20%	25%	7%	14%	0%	7%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
	R	15%	15%	16%	15%	15%	15%	15%	15%	15%	16%	14%	14%	14%	14%	14%
FI	B	80%	73%	41%	25%	0%	72%	75%	75%	70%	60%	100%	100%	100%	100%	75%
	G	15%	27%	29%	40%	50%	28%	25%	25%	10%	7%	0%	0%	0%	0%	25%
	Y	5%	0%	29%	35%	50%	0%	0%	0%	19%	33%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FR	B	40%	42%	43%	42%	43%	43%	40%	29%	41%	41%	43%	43%	43%	43%	43%
	G	7%	3%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	3%	14%	1%	0%	0%	0%	0%	0%	0%
	R	53%	55%	57%	58%	57%	57%	57%	57%	58%	58%	57%	57%	57%	57%	57%
GR	B	63%	57%	53%	46%	50%	57%	59%	50%	50%	52%	83%	83%	83%	83%	67%
	G	33%	33%	40%	29%	40%	17%	15%	28%	35%	29%	0%	0%	0%	0%	17%
	Y	3%	9%	7%	24%	10%	26%	26%	22%	16%	18%	17%	17%	17%	17%	17%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HR	B	20%	15%	15%	18%	5%	33%	26%	31%	17%	17%	50%	50%	50%	50%	50%
	G	13%	17%	17%	18%	18%	15%	16%	14%	17%	16%	8%	8%	8%	8%	8%
	Y	50%	50%	50%	48%	55%	44%	50%	47%	50%	50%	25%	25%	25%	25%	25%
	R	17%	19%	18%	18%	23%	8%	8%	8%	17%	16%	17%	17%	17%	17%	17%
HU	B	24%	24%	25%	22%	25%	24%	25%	25%	18%	16%	25%	25%	25%	25%	25%
	G	0%	0%	0%	0%	0%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
	Y	1%	1%	0%	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
	R	75%	75%	75%	76%	75%	75%	75%	75%	81%	83%	75%	75%	75%	75%	75%
IE	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT	B	70%	71%	63%	70%	67%	66%	65%	40%	69%	69%	71%	71%	71%	71%	71%
	G	1%	0%	9%	0%	5%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	20%	1%	1%	0%	0%	0%	0%	0%
	R	29%	29%	29%	30%	29%	34%	35%	40%	30%	29%	29%	29%	29%	29%	29%

	Colour Code	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5
LT	B	23%	8%	0%	0%	0%	33%	33%	50%	23%	25%	50%	50%	50%	50%	50%
	G	21%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	5%	25%	50%	38%	50%	17%	17%	0%	26%	25%	0%	0%	0%	0%	0%
	R	51%	50%	50%	62%	50%	50%	50%	50%	51%	50%	50%	50%	50%	50%	50%
LU	B	100%	100%	0%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	100%	100%
	G	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LV	B	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MT	B	90%	100%	100%	100%	50%	100%	88%	100%	100%	100%	N/A	100%	100%	100%	100%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	0%	0%	0%	0%
	R	10%	0%	0%	0%	50%	0%	13%	0%	0%	0%	N/A	0%	0%	0%	0%
NL	B	67%	67%	67%	61%	67%	60%	60%	60%	65%	65%	67%	67%	67%	67%	67%
	G	0%	0%	0%	5%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
	R	33%	33%	33%	34%	33%	40%	40%	40%	34%	34%	33%	33%	33%	33%	33%
NO	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PL	B	23%	22%	17%	19%	0%	21%	16%	17%	11%	13%	29%	29%	29%	29%	29%
	G	1%	0%	0%	0%	0%	0%	2%	0%	0%	1%	0%	0%	0%	0%	0%
	Y	4%	6%	11%	8%	0%	5%	8%	0%	5%	4%	0%	0%	0%	0%	0%
	R	71%	71%	71%	73%	100%	74%	75%	83%	84%	83%	71%	71%	71%	71%	71%
PT	B	51%	50%	52%	45%	51%	51%	50%	53%	48%	48%	50%	50%	50%	50%	63%
	G	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	13%	13%	13%	13%	0%
	R	49%	50%	48%	50%	49%	49%	50%	47%	51%	51%	38%	38%	38%	38%	38%
RO	B	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	81%	100%	100%	100%	100%	100%	100%	100%	100%	100%
SE	B	95%	100%	100%	90%	100%	100%	100%	100%	95%	96%	100%	100%	100%	100%	100%
	G	5%	0%	0%	10%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Colour Code	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4 Rule 1	4 Rule 2	4 Rule 3	4 Rule 4	4 Rule 5
SI	B	13%	9%	11%	12%	5%	40%	47%	0%	1%	0%	100%	100%	100%	100%	100%
	G	63%	66%	63%	60%	67%	26%	26%	67%	66%	67%	0%	0%	0%	0%	0%
	Y	24%	25%	26%	28%	28%	34%	26%	33%	32%	33%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
SK	B	25%	19%	17%	29%	19%	24%	22%	22%	48%	52%	67%	67%	67%	67%	67%
	G	25%	37%	20%	24%	19%	41%	26%	28%	18%	20%	0%	0%	0%	0%	0%
	Y	28%	7%	30%	26%	28%	2%	19%	17%	1%	7%	0%	0%	0%	0%	0%
	R	22%	37%	33%	21%	33%	33%	33%	33%	33%	20%	33%	33%	33%	33%	33%
UK	B	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Notes: The first row (blue) indicates the percentage of standards/rules that have already been implemented by custodians. The second row (green) indicates the percentage of standards/rules for which development and implementation is ongoing. The third row (yellow) indicates the percentage of standards/rules for which analysis is ongoing (i.e. Milestone 3 has not yet been reached). The fourth row (red) indicates the percentage of standards/rules for which analysis has not yet started (i.e. Milestone 1 has not yet been met) or for which responses were not submitted by custodians. The percentages are calculated on the basis of the custodians monitored in the market for which the standards are applicable. When a standard is not applicable for all custodians in an AMI-SeCo market, "N/A" is reported. A "-" indicates the markets where no custodians are monitored.

Table 20b

Custodian compliance – Corporate Actions (Standards 5-15)

	Colour Code	5	9	10 Rule 1	10 Rule 2	10 Rule 3	11	12	13	15
AT	B	0%	0%	20%	0%	0%	40%	20%	0%	5%
	G	50%	0%	40%	60%	40%	20%	40%	20%	31%
	Y	0%	25%	0%	0%	0%	0%	0%	40%	12%
	R	50%	75%	40%	40%	60%	40%	40%	40%	52%
BE	B	67%	20%	40%	25%	0%	60%	25%	20%	11%
	G	0%	20%	20%	25%	50%	0%	0%	0%	17%
	Y	0%	20%	0%	0%	0%	0%	50%	40%	44%
	R	33%	40%	40%	50%	50%	40%	25%	40%	28%
BG	B	25%	60%	40%	40%	25%	40%	33%	20%	10%
	G	25%	0%	20%	20%	25%	20%	0%	40%	44%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	50%	40%	40%	40%	50%	40%	67%	40%	46%
CH	B	75%	75%	75%	100%	100%	100%	100%	100%	30%
	G	25%	25%	0%	0%	0%	0%	0%	0%	8%
	Y	0%	0%	25%	0%	0%	0%	0%	0%	55%
	R	0%	0%	0%	0%	0%	0%	0%	0%	8%
CY	B	50%	71%	57%	57%	67%	71%	60%	57%	21%
	G	0%	0%	14%	14%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	14%	44%
	R	50%	29%	29%	29%	33%	29%	40%	29%	34%
CZ	B	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
DE	B	33%	31%	31%	25%	25%	50%	23%	36%	18%
	G	11%	8%	15%	33%	25%	8%	8%	28%	19%
	Y	11%	31%	23%	8%	17%	8%	38%	23%	35%
	R	44%	31%	31%	33%	33%	33%	31%	31%	36%
DK	B	75%	67%	67%	67%	33%	100%	50%	50%	20%
	G	0%	33%	33%	33%	33%	0%	50%	25%	50%
	Y	25%	0%	0%	0%	33%	0%	0%	0%	19%
	R	0%	0%	0%	0%	0%	0%	0%	25%	11%
EE	B	0%	0%	0%	0%	0%	67%	0%	0%	14%
	G	0%	0%	0%	0%	0%	0%	0%	0%	7%
	Y	33%	0%	33%	33%	33%	0%	33%	33%	19%
	R	67%	100%	67%	67%	67%	33%	67%	67%	61%
ES	B	46%	69%	79%	73%	50%	77%	62%	46%	18%
	G	38%	15%	7%	9%	20%	8%	23%	31%	34%
	Y	0%	0%	0%	0%	10%	0%	0%	8%	28%
	R	15%	15%	14%	18%	20%	15%	15%	15%	20%

	Colour Code	5	9	10 Rule 1	10 Rule 2	10 Rule 3	11	12	13	15
FI	B	75%	50%	75%	75%	50%	100%	0%	50%	38%
	G	25%	25%	25%	25%	25%	0%	50%	50%	28%
	Y	0%	25%	0%	0%	25%	0%	0%	0%	35%
	R	0%	0%	0%	0%	0%	0%	50%	0%	0%
FR	B	43%	43%	43%	43%	43%	43%	43%	33%	16%
	G	0%	0%	0%	0%	0%	0%	0%	0%	7%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	17%
	R	57%	57%	57%	57%	57%	57%	57%	67%	60%
GR	B	25%	67%	83%	67%	60%	83%	40%	50%	20%
	G	25%	17%	0%	17%	20%	0%	40%	33%	27%
	Y	50%	17%	17%	17%	20%	17%	20%	17%	47%
	R	0%	0%	0%	0%	0%	0%	0%	0%	6%
HR	B	30%	36%	33%	27%	27%	33%	9%	10%	22%
	G	10%	9%	8%	9%	9%	8%	9%	20%	17%
	Y	40%	36%	42%	45%	45%	42%	55%	50%	38%
	R	20%	18%	17%	18%	18%	17%	27%	20%	23%
HU	B	13%	25%	13%	13%	13%	25%	13%	13%	8%
	G	0%	0%	13%	13%	13%	0%	13%	0%	4%
	Y	13%	0%	0%	0%	0%	0%	0%	13%	9%
	R	75%	75%	75%	75%	75%	75%	75%	75%	79%
IE	B	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
IT	B	50%	57%	43%	40%	57%	71%	43%	57%	21%
	G	17%	0%	14%	20%	14%	0%	14%	14%	5%
	Y	0%	14%	14%	0%	0%	0%	14%	0%	41%
	R	33%	29%	29%	40%	29%	29%	29%	29%	33%
LT	B	0%	0%	0%	0%	0%	50%	25%	0%	27%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	33%	25%	50%	50%	50%	0%	25%	50%	22%
	R	67%	75%	50%	50%	50%	50%	50%	50%	51%
LU	B	100%	0%	100%	100%	0%	100%	100%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	0%	0%	0%	0%	0%	0%	0%	0%	0%
LV	B	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	100%	100%	100%	100%

	Colour Code	5	9	10 Rule 1	10 Rule 2	10 Rule 3	11	12	13	15
MT	B	N/A	N/A	100%	100%	N/A	100%	N/A	N/A	N/A
	G	N/A	N/A	0%	0%	N/A	0%	N/A	N/A	N/A
	Y	N/A	N/A	0%	0%	N/A	0%	N/A	N/A	N/A
	R	N/A	N/A	0%	0%	N/A	0%	N/A	N/A	N/A
NL	B	60%	67%	50%	50%	50%	67%	50%	67%	13%
	G	0%	0%	17%	17%	17%	0%	0%	0%	15%
	Y	0%	0%	0%	0%	0%	0%	17%	0%	10%
	R	40%	33%	33%	33%	33%	33%	33%	33%	62%
NO	B	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-
	Y	-	-	-	-	-	-	-	-	-
	R	-	-	-	-	-	-	-	-	-
PL	B	17%	29%	29%	17%	17%	29%	0%	0%	16%
	G	0%	0%	0%	0%	0%	0%	0%	0%	1%
	Y	0%	0%	0%	0%	0%	0%	0%	14%	0%
	R	83%	71%	71%	83%	83%	71%	100%	86%	83%
PT	B	50%	50%	50%	57%	43%	57%	50%	50%	25%
	G	0%	0%	0%	0%	0%	0%	0%	0%	14%
	Y	0%	0%	13%	0%	14%	0%	0%	0%	9%
	R	50%	50%	38%	43%	43%	43%	50%	50%	52%
RO	B	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	3%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	100%	100%	100%	98%
SE	B	100%	100%	100%	100%	50%	100%	50%	100%	34%
	G	0%	0%	0%	0%	0%	0%	0%	0%	18%
	Y	0%	0%	0%	0%	50%	0%	0%	0%	16%
	R	0%	0%	0%	0%	0%	0%	50%	0%	31%
SI	B	50%	33%	25%	33%	33%	100%	0%	0%	28%
	G	0%	33%	50%	33%	33%	0%	0%	50%	52%
	Y	50%	34%	25%	34%	34%	0%	50%	50%	20%
	R	0%	0%	0%	0%	0%	0%	50%	0%	0%
SK	B	50%	33%	17%	17%	17%	67%	17%	33%	14%
	G	0%	33%	17%	17%	17%	0%	17%	33%	55%
	Y	0%	0%	33%	33%	33%	0%	33%	0%	5%
	R	50%	33%	33%	33%	33%	33%	33%	33%	26%
UK	B	0%	0%	0%	0%	0%	0%	0%	0%	0%
	G	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Y	0%	0%	0%	0%	0%	0%	0%	0%	0%
	R	100%	100%	100%	100%	100%	100%	100%	100%	100%

Notes: The first row (blue) indicates the percentage of standards/rules that have already been implemented by custodians. The second row (green) indicates the percentage of standards/rules for which development and implementation is ongoing. The third row (yellow) indicates the percentage of standards/rules for which analysis is ongoing (i.e. Milestone 3 has not yet been reached). The fourth row (red) indicates the percentage of standards/rules for which analysis has not yet started (i.e. Milestone 1 has not yet been met) or for which responses were not submitted by custodians. The percentages are calculated on the basis of the custodians monitored in the market for which the standards are applicable. When a standard is not applicable for all custodians in an AMI-SeCo market, "N/A" is reported. A "-" indicates the markets where no custodians are monitored. Corporate Actions Standards 6, 7, 8 and 14 are not relevant for custodians.

Table 21

Custodian compliance – Billing Processes Standards

The table shows the implementation status of custodians for each of the Billing Processes Standards.

	Colour Code	1	2		Colour Code	1	2
AT	B	0%	0%	IE	B	-	-
	G	0%	0%		G	-	-
	Y	0%	0%		Y	-	-
	R	100%	100%		R	-	-
BE	B	0%	60%	IT	B	0%	71%
	G	14%	20%		G	0%	0%
	Y	29%	0%		Y	45%	0%
	R	57%	20%		R	55%	29%
BG	B	0%	40%	LT	B	14%	50%
	G	0%	0%		G	0%	0%
	Y	0%	0%		Y	0%	0%
	R	100%	60%		R	86%	50%
CH	B	33%	80%	LU	B	0%	0%
	G	0%	0%		G	0%	0%
	Y	0%	0%		Y	0%	0%
	R	67%	20%		R	100%	100%
CY	B	0%	50%	LV	B	0%	0%
	G	30%	17%		G	0%	0%
	Y	0%	0%		Y	0%	0%
	R	70%	33%		R	100%	100%
CZ	B	-	-	MT	B	N/A	100%
	G	-	-		G	N/A	0%
	Y	-	-		Y	N/A	0%
	R	-	-		R	N/A	0%
DE	B	9%	64%	NL	B	0%	60%
	G	5%	0%		G	33%	0%
	Y	41%	0%		Y	17%	0%
	R	45%	36%		R	50%	40%
DK	B	0%	100%	NO	B	-	-
	G	0%	0%		G	-	-
	Y	50%	0%		Y	-	-
	R	50%	0%		R	-	-
EE	B	0%	33%	PL	B	0%	29%
	G	0%	0%		G	0%	0%
	Y	0%	0%		Y	0%	0%
	R	100%	67%		R	100%	71%
ES	B	21%	83%	PT	B	8%	43%
	G	7%	0%		G	23%	0%
	Y	29%	0%		Y	8%	14%
	R	43%	17%		R	62%	43%
FI	B	0%	100%	RO	B	13%	25%
	G	25%	0%		G	0%	0%
	Y	25%	0%		Y	13%	0%
	R	50%	0%		R	75%	75%
FR	B	0%	25%	SE	B	N/A	100%
	G	0%	0%		G	N/A	0%
	Y	0%	0%		Y	N/A	0%
	R	100%	75%		R	N/A	0%
GR	B	38%	83%	SI	B	50%	100%
	G	25%	17%		G	0%	0%
	Y	0%	0%		Y	50%	0%
	R	38%	0%		R	0%	0%
HR	B	4%	42%	SK	B	0%	50%
	G	17%	0%		G	33%	0%
	Y	39%	33%		Y	0%	0%
	R	39%	25%		R	67%	50%
HU	B	0%	25%	UK	B	0%	0%
	G	0%	0%		G	0%	0%
	Y	0%	0%		Y	0%	0%
	R	100%	75%		R	100%	100%

Notes: The first row (blue) indicates the percentage of standards that have already been implemented by custodians. The second row (green) indicates the percentage of standards for which development and implementation is ongoing. The third row (yellow) indicates the percentage of standards for which analysis is ongoing (i.e. Milestone 3 has not yet been reached). The fourth row (red) indicates the percentage of standards for which analysis has not yet started (i.e. Milestone 1 has not yet been met) or for which responses were not submitted by custodians. The percentages are calculated on the basis of the custodians monitored in the market for which the standards are applicable. When a standard is not applicable for all custodians in an AMI-SeCo market, "N/A" is reported. A "-" indicates markets where no custodians are monitored. Billing Processes Standards 3 and 4 are not relevant for custodians.

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Postal address 60640 Frankfurt am Main, Germany
Telephone +49 69 1344 0
Website www.ecb.europa.eu

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For specific terminology please refer to the [ECB glossary](#) (available in English only).

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