

## II

(Non-legislative acts)

## REGULATIONS

## COMMISSION DELEGATED REGULATION (EU) 2018/1229

of 25 May 2018

**supplementing Regulation (EU) No 909/2014 of the European Parliament and of the Council with regard to regulatory technical standards on settlement discipline**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 909/2014 of the European Parliament and of the Council of 23 July 2014 on improving securities settlement in the European Union and on central securities depositories and amending Directives 98/26/EC and 2014/65/EU and Regulation (EU) No 236/2012<sup>(1)</sup>, and in particular Article 6(5) and Article 7(15) thereof,

Whereas:

- (1) The provisions in this Regulation are closely linked, since they deal with measures to prevent and address settlement fails and to encourage settlement discipline, by monitoring settlement fails, collecting and distributing cash penalties for settlement fails and by specifying the operational details of the buy-in process. To ensure coherence between those provisions, and to facilitate a comprehensive view of and a compact access to them by persons subject to the obligations, it is appropriate to include them in a single Regulation.
- (2) In view of the global nature of financial markets, due regard should be given to the Principles for Financial Market Infrastructures, which have been issued by the Committee on Payment and Settlement Systems and the International Organization of Securities Commissions ('CPSS-IOSCO Principles') in April 2012 and which serve as a global benchmark for regulatory requirements for central securities depositories ('CSDs'). The Recommendations for Securities Settlement Systems, issued by the Committee on Payment and Settlement Systems and the International Organisation of Securities Commissions, covering trade confirmation, settlement cycles, and securities lending, should also be taken into account.
- (3) In order to ensure the consistent application of Regulation (EU) No 909/2014 and to specify the technical terms necessary to apply this Regulation, a number of terms should be defined.
- (4) Investment firms should ensure that they have all the necessary settlement information in time to allow for an effective and efficient settlement of transactions. In particular, investment firms that do not have the necessary settlement information should communicate with their clients to obtain the information relevant for an efficient settlement, including the standardised data needed for the settlement process.
- (5) Straight-through processing ('STP') should be encouraged, since market-wide use of STP is essential both for maintaining high settlement rates as volumes increase and for ensuring timely settlement of cross-border trades. Moreover, both direct and indirect market participants should have the internal automation in place that

<sup>(1)</sup> OJ L 257, 28.8.2014, p. 1.

is necessary to take full advantage of the available STP solutions. In this respect, investment firms should offer their professional clients the possibility of sending confirmations and allocation details electronically, in particular by using international open communication procedures and standards for messaging and reference data. Furthermore, CSDs should facilitate STP and, when processing settlement instructions, should use processes designed to work on an automated basis by default.

- (6) CSDs should offer matching possibilities throughout the day to promote early settlement on the intended settlement date.
- (7) CSDs should require that participants to their securities settlement systems use a list of mandatory matching fields for the matching of settlement instructions to facilitate settlement and to ensure consistency across securities settlement systems.
- (8) CSDs should have sound and efficient system functionalities, policies and procedures that enable them to facilitate and incentivise settlement on the intended settlement date.
- (9) CSDs should provide participants with real-time access to information on the status of their settlement instructions in the securities settlement systems they operate to encourage and incentivise timely settlement by those participants.
- (10) CSDs should offer real-time gross settlement to participants to their securities settlement systems, or at least several daily settlement possibilities throughout every business day in order to complete final settlement intraday.
- (11) The obligation on CSDs to have system functionalities should depend on the settlement efficiency of those CSDs. Certain system functionalities should therefore not be compulsory if the value and the rate of settlement fails in the securities settlement system operated by a CSD do not exceed certain predefined thresholds.
- (12) To facilitate the monitoring of settlement fails, CSDs should use a harmonised methodology to report settlement fails to the competent authorities and the relevant authorities. That methodology should cover a common list of items to be reported as well as the frequency of the reports to be delivered. Settlement instructions entered into the securities settlement system operated by CSDs should be monitored each day until they are settled or cancelled.
- (13) CSDs should set up working arrangements with the participants that have the highest rates of settlement fails, as well as, if feasible, with relevant central counterparties ('CCPs') and trading venues, in order to identify the main reasons for settlement fails.
- (14) CSDs should send monthly reports on settlement fails to their competent authorities and relevant authorities. Competent authorities should also be entitled to request additional information on settlement fails or more frequent reporting as necessary so that they can perform their tasks. Such additional information or reports should be shared by the requesting competent authorities with the relevant authorities without undue delay.
- (15) To promote transparency and facilitate the comparability of settlement fails across the Union, CSDs should use a single template for disclosing settlement fails data to the general public.
- (16) To ensure the consistent application of requirements on settlement discipline for CSDs, detailed provisions should be set out concerning the identification of all transactions that remain unsettled after the intended settlement date, the implementation of the buy-in process where applicable, and the application of the penalty mechanisms established by a CSD, including the time of calculation and the collection and distribution of cash penalties.
- (17) Rules regarding the processes for the collection and distribution of cash penalties for settlement fails should be applied in coherence with the Commission Delegated Regulation (EU) 2017/389 <sup>(1)</sup>.

<sup>(1)</sup> Commission Delegated Regulation (EU) 2017/389 of 11 November 2016 supplementing Regulation (EU) No 909/2014 of the European Parliament and of the Council as regards the parameters for the calculation of cash penalties for settlement fails and the operations of CSDs in host Member States (OJ L 65, 10.3.2017, p. 1).

- (18) To ensure that cash penalties for settlement fails are applied consistently, CSDs should charge, collect and distribute cash penalties on a regular basis and at least once a month. In addition, to ensure that their risk profile is not affected by the operation of the penalty mechanism, including where penalties are not paid as required by failing participants, CSDs should only be responsible for charging, collecting and distributing those cash penalties. Since a participant may also act as an agent for his clients, CSDs should provide participants with sufficient details regarding the penalty calculation to enable them to recover the cash penalty from their clients.
- (19) It is important that the cash penalty levied in the event of a settlement fail does not constitute a source of revenue for CSDs. The cash penalty should therefore be paid into a separate account of the CSD, which should be used exclusively for the collection and distribution of those penalties. The penalties collected should not be used to finance the implementation, maintenance or operation of the penalty mechanism.
- (20) In certain cases, a transaction may be part of a chain of transactions, in which case a settlement instruction may depend on another one and the settlement of one instruction may allow for the settlement of several instructions in that chain. The failure of one settlement instruction may thus have knock-on effects, resulting in the failure of subsequent settlement instructions.
- (21) To limit the number of cash transfers, CSDs should, therefore, net the amount due to participants against the amount to be paid by those participants and should ensure that the full amount of cash penalties is appropriately distributed within the settlement chain to those participants that suffered from the settlement fail. CSDs should provide participants sufficient information on the calculation of the amounts to be received to enable those participants, where appropriate, to transfer the amounts due to their clients.
- (22) The penalty mechanism should apply to all failed transactions, including cleared transactions. Where the failing participant is a CCP, however, the penalty should not be due by that CCP, but by the relevant clearing member that caused the settlement fail. For that purpose, CSDs should provide CCPs with all the necessary information on the settlement fail and the calculation of the penalty to enable CCPs to charge a penalty to the relevant clearing member and to distribute the collected amount to the clearing member that suffered from the subsequent settlement fail on the same financial instruments.
- (23) CSDs using a common settlement infrastructure should work closely together to ensure the appropriate implementation of the penalty mechanism.
- (24) In order to support an integrated market for securities settlement, the buy-in process should be harmonised. Given the importance of incentivising timely actions to address settlement fails, it is important to keep all relevant involved parties informed during the buy-in process.
- (25) A settlement instruction may fail for all financial instruments included in that instruction, even if some financial instruments are available for delivery in the account of the failing participant. The purpose of a buy-in process is to improve settlement efficiency. In order to minimise the number of buy-ins, a buy-in process should be subject to the mandatory application of partial settlement to the relevant settlement instruction.
- (26) Mandatory partial settlement on the last business day of the extension period referred to in Article 7(3) of Regulation (EU) No 909/2014 strikes the right balance between the rights of the buyer to receive the financial instruments bought and the need to minimise the number of financial instruments subject to buy-in. Every bought-in financial instrument should therefore be delivered to the buyer, even if the number of bought-in financial instruments does not allow for the full settlement of the relevant settlement instruction.
- (27) Mandatory partial settlement should not apply to settlement instructions that have been put on hold by a participant, because the relevant financial instruments in the respective account may not belong to the client for which the settlement instruction has been entered into the securities settlement system.
- (28) To ensure compliance with the obligations set out in Regulation (EU) No 909/2014, all parties in the settlement chain should have contractual arrangements with their relevant counterparties which contain the buy-in process obligations and which are enforceable in all relevant jurisdictions.

- (29) In order to improve settlement efficiency, it should always first be verified whether a buy-in process is possible in respect of the relevant transactions and parties thereto.
- (30) All entities involved in the buy-in process need to be informed of the status of the buy-in process at key points in time. That information should be exchanged by way of a notification in order for the entities involved to be alerted on the status of the actions to settle the transaction and take further action as need be.
- (31) For transactions that are not cleared by a CCP, in order to set up an efficient buy-in process and to avoid that other parties in the settlement chain or participants become liable for obligations contracted by the trading venue members or trading parties, and in order not to increase the risk profile of CSDs or trading venues, the parties that originally concluded the relevant transaction should be responsible for the execution of the buy-in.
- (32) In respect of the settlement of a securities transaction, participants act for their own account or enter settlement instructions into the securities settlement system operated by a CSD upon request by their clients. Those clients may be a CCP and its clearing members, trading venue members or, where the transaction is not executed on a trading venue, trading parties. A buy-in should therefore be effected at the level where the contractual obligations to buy and sell securities have been created.
- (33) Given that the buy-in agent should act upon request of a party that does not bear the costs related to the buy-in agent's intervention, the buy-in agent should act according to best execution requirements and protect the interest of the failing clearing member, trading venue member or trading party.
- (34) To limit the number of buy-ins and to preserve the liquidity of the market for the relevant financial instruments, the failing clearing member, the failing trading venue member or the failing trading party, as applicable, should be allowed to deliver financial instruments to the CCP, the receiving trading venue members or the receiving trading parties through their participants up to the moment that they are informed that the buy-in agent has been appointed or that an auction has been launched. From that point in time, those parties should only be able to take part in the auction of the financial instruments or to deliver them to the buy-in agent, subject to his prior approval, so as to avoid that the receiving clearing member, the receiving trading venue member or the receiving trading party receives the financial instruments twice. Parties involved in the buy-in process could also limit the number of buy-ins by coordinating their actions amongst themselves, and informing the CSD thereof, where a transaction is part of a chain of transactions and may result in different settlement instructions.
- (35) Transactions not cleared by a CCP are generally uncollateralised and therefore each trading venue member or trading party bears the counterparty risk. Moving this risk to other entities such as their participants would force the latter to cover their exposure to counterparty risk with collateral. This could lead to increased costs of securities settlement in a disproportionate manner. The failing clearing member, the failing trading venue member or the failing trading party, as applicable, should therefore bear responsibility for the payment of the buy-in costs, the price difference and the cash compensation in the first place. Where the failing trading venue member or failing trading party do not comply with their obligation to pay those amounts, their participant, as the failing participant, should, however, cover the buy-in costs and the price difference but not the cash compensation.
- (36) Delivery obligations of bought-in financial instruments or the payment of cash compensation or of any price difference in the financial instruments subject to buy-in should ultimately be performed through the reception of the relevant financial instruments or cash by the CCP, the receiving trading venue members or the receiving trading parties through their participants.
- (37) Where the buy-in fails and in the absence of express communication on whether to extend the buy-in period within the prescribed timeframe, cash compensation should be paid so as to protect the interests of the parties and avoid any uncertainty resulting from the failed buy-in.
- (38) In order to avoid complexity and protect the CCP, the receiving trading venue member or the receiving trading party, the bought-in financial instruments should be delivered to the CCP, receiving trading venue member or receiving trading party through the relevant receiving participant rather than through the failing participant. For the same reasons, the initial settlement instruction that triggered the buy-in process should be put on hold and eventually cancelled.

- (39) In order to calculate and apply penalties for settlement fails appropriately after the end of the extension period, relevant settlement instructions should be cancelled and substituted with new settlement instructions on each business day on which financial instruments are received by CCPs, trading venue members or trading parties, through their participants, as a result of the execution of a buy-in. Cash penalties should apply to each new settlement instruction from the day they are entered into the securities settlement system.
- (40) To ensure a smooth functioning of the securities settlement systems operated by CSDs, and to ensure the certainty of the timeline for the buy-in process and for the payment of the cash penalties for settlement fails, failing settlement instructions should be cancelled upon delivery of the financial instruments or, if they are not delivered, upon the payment of the cash compensation, or at the latest on the second business day after the notification of the amount of cash compensation due.
- (41) Where the price of the financial instruments agreed at the time of the trade is lower than the price paid at the execution of the buy-in, the price difference should be paid by the failing clearing member, trading venue member or trading party, as applicable, to protect the interests of the receiving parties. Where the price of the financial instruments agreed at the time of the trade is higher than the price paid at the execution of that buy-in, the failing participant's obligation referred to in Article 7(6) of Regulation (EU) No 909/2014 should be deemed fulfilled given that receiving clearing members, trading venue members or trading parties are effectively paying for the bought-in financial instruments.
- (42) An efficient settlement process requires that the extension period, which takes place before the launch of the buy-in process, is adapted to the asset types and to the liquidity of the financial instruments. Where the market for shares is sufficiently liquid to be easily sourced, the extension period before the launch of the buy-in process should not be extended so that the relevant parties are incentivised to settle failed transactions in a timely manner. Shares that do not have a liquid market however should benefit from a longer extension period. Debt instruments should also benefit from a longer extension period, given their greater cross-border dimension and their importance for the smooth and orderly functioning of the financial markets.
- (43) The measures to address settlement fails related to buy-in and penalties may require significant IT system changes, market testing and adjustments to legal arrangements between the parties concerned, including CSDs and other market participants. Sufficient time should therefore be allowed for the application of those measures, to ensure that the parties concerned can meet the necessary requirements.
- (44) This Regulation is based on the draft regulatory technical standards submitted by ESMA to the European Commission pursuant to the procedure in Article 10 of Regulation (EU) No 1095/2010 of the European Parliament and of the Council <sup>(1)</sup>.
- (45) ESMA has conducted open public consultations on these draft regulatory technical standards, analysed the potential related costs and benefits and requested the opinion of the Securities and Markets Stakeholder Group established by Article 37 of Regulation (EU) No 1095/2010. In developing the draft regulatory technical standards, ESMA has also worked in close cooperation with the members of the European System of Central Banks,

HAS ADOPTED THIS REGULATION:

#### CHAPTER I

#### **General**

#### Article 1

#### **Definitions**

For the purposes of this Regulation, the following definitions apply:

- (a) 'clearing member' means an undertaking as defined in point (14) of Article 2 of Regulation (EU) No 648/2012 of the European Parliament and of the Council <sup>(2)</sup>;

<sup>(1)</sup> Regulation (EU) No 1095/2010 of the European Parliament and of the Council of 24 November 2010 establishing a European Supervisory Authority (European Securities and Markets Authority), amending Decision No 716/2009/EC and repealing Commission Decision 2009/77/EC (OJ L 331, 15.12.2010, p. 84).

<sup>(2)</sup> Regulation (EU) No 648/2012 of the European Parliament and of the Council of 4 July 2012 on OTC derivatives, central counterparties and trade repositories (OJ L 201, 27.7.2012, p. 1).

- (b) 'exchange-traded fund (ETF)' means a fund as defined in point (46) of Article 4(1) of Directive 2014/65/EU of the European Parliament and of the Council <sup>(1)</sup>;
- (c) 'execution of orders' means 'execution of orders on behalf of clients' as defined in point (5) of Article 4(1) of Directive 2014/65/EU;
- (d) 'retail client' means a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU;
- (e) 'settlement instruction' means a transfer order as defined in point (i) of Article 2 of Directive 98/26/EC of the European Parliament and of the Council <sup>(2)</sup>;
- (f) 'trading party' means a party acting as principal in a securities transaction referred to in point (c) of the first subparagraph of Article 7(10) of Regulation (EU) No 909/2014;
- (g) 'trading venue member' means a member of, or a participant to, a trading venue.

## CHAPTER II

### **Measures to prevent settlement fails**

#### Article 2

#### **Measures concerning professional clients**

1. Investment firms shall require their professional clients to send them written allocations of securities or of cash to the transactions referred to in Article 5(1) of Regulation (EU) No 909/2014, identifying the accounts to be credited or debited. Those written allocations shall specify the following:

- (a) one of the following types of transaction:
  - (i) purchase or sale of securities;
  - (ii) collateral management operations;
  - (iii) securities lending/borrowing operations;
  - (iv) repurchase transactions;
  - (v) other transactions, which can be identified by more granular ISO codes;
- (b) the International Securities Identification Number (ISIN) of the financial instrument or where the ISIN is not available, some other identifier of the financial instrument;
- (c) the delivery or the receipt of financial instruments or cash;
- (d) the nominal value for debt instruments, and the quantity for other financial instruments;
- (e) the trade date;
- (f) the trade price of the financial instrument;
- (g) the currency in which the transaction is expressed;
- (h) the intended settlement date of the transaction;
- (i) the total amount of cash that is to be delivered or received;
- (j) the identifier of the entity where the securities are held;
- (k) the identifier of the entity where the cash is held;
- (l) the names and numbers of the securities or cash accounts to be credited or debited.

Written allocations shall include all other information required by the investment firm for facilitating the settlement of the transaction.

Investment firms that have received confirmation of the execution of a transaction order placed by a professional client shall ensure through contractual arrangements that the professional client confirms its acceptance of the terms of the transaction in writing, within the timeframes set out in paragraph 2. That written confirmation may also be included in the written allocation.

<sup>(1)</sup> Directive 2014/65/EU of the European Parliament and of the Council of 15 May 2014 on markets in financial instruments and amending Directive 2002/92/EC and Directive 2011/61/EU (OJ L 173, 12.6.2014, p. 349).

<sup>(2)</sup> Directive 98/26/EC of the European Parliament and of the Council of 19 May 1998 on settlement finality in payment and securities settlement systems (OJ L 166, 11.6.1998, p. 45).

Investment firms shall provide their professional clients with the option of sending the written allocation and the written confirmation electronically, through the international open communication procedures and standards for messaging and reference data referred to in Article 35 of Regulation (EU) No 909/2014.

2. Professional clients shall ensure that written allocations and written confirmations referred to in paragraph 1 are received by the investment firm by one of the following deadlines:

- (a) by close of business on the business day on which the transaction has taken place where the investment firm and the relevant professional client are within the same time zone;
- (b) by 12.00 CET on the business day following that on which the transaction has taken place where one of the following occurs:
  - (i) there is a difference of more than two hours between the time zone of the investment firm and the time zone of the relevant professional client;
  - (ii) the orders have been executed after 16.00 CET of the business day within the time zone of the investment firm.

Investment firms shall confirm receipt of the written allocation and of the written confirmation within two hours of that receipt. Where the written allocation and the written confirmation is received by an investment firm within less than one hour before its close of business, that investment firm shall confirm receipt of the written allocation and of the written confirmation within one hour after the start of business on the next business day.

3. Where investment firms receive the necessary settlement information referred to in paragraph 1 in advance of the timeframes referred to in paragraph 2, they may agree in writing with their professional clients that the relevant written allocations and written confirmations are not to be sent.

4. Paragraphs 1, 2 and 3 shall not apply to professional clients holding, at the same investment firm, the securities and cash relevant for the settlement.

### *Article 3*

#### **Measures concerning retail clients**

Investment firms shall require their retail clients to send them all the relevant settlement information for transactions referred to in Article 5(1) of Regulation (EU) No 909/2014 by 12.00 CET on the business day after that on which the transaction has taken place within the time zone of the investment firm, unless that client holds the relevant financial instruments and cash at the same investment firm.

### *Article 4*

#### **Settlement facilitation and processing**

1. CSDs shall process all the settlement instructions on an automated basis.
2. CSDs that have intervened manually in the automated settlement process in the manner referred to in either point (a) or point (b) of paragraph 3 shall notify the competent authority of the reason for that intervention within 30 days of its occurrence, unless the same reason has already been notified for previous interventions.
3. A manual intervention in the automated settlement process shall occur in the following circumstances:
  - (a) where the feed of a received settlement instruction into the securities settlement system has been delayed or modified or where that settlement instruction itself has been modified outside of the automated procedures;
  - (b) where in the processing of received settlement instructions in the settlement engine, an intervention takes place outside of the automated procedures, including the management of IT incidents.
4. Competent authorities may inform CSDs at any time that a particular reason does not justify manual interventions in the automated settlement process. CSDs shall not intervene manually in the automated settlement process thereafter on the basis of that reason.

*Article 5***Matching and population of settlement instructions**

1. CSDs shall provide to participants a functionality that supports fully automated, continuous real-time matching of settlement instructions throughout each business day.
2. CSDs shall require participants to match their settlement instructions through the functionality referred to in paragraph 1 prior to their settlement, except in the following circumstances:
  - (a) where the CSD has accepted that the settlement instructions have already been matched by trading venues, CCPs or other entities;
  - (b) where the CSD itself has matched the settlement instructions;
  - (c) in the case of free of payment ('FoP') settlement instructions, referred to in point (g)(i) of Article 13(1), which consist of orders for transfers of financial instruments between different accounts opened in the name of the same participant or managed by the same account operator.

Account operators referred to in point (c) shall include entities that have a contractual relationship with a CSD and that operate securities accounts maintained by that CSD by means of recording book entries into those securities accounts.

3. CSDs shall require participants to use the following matching fields in their settlement instructions for the matching of settlement instructions:
  - (a) the type of settlement instruction, as referred to in point (g) of Article 13(1);
  - (b) the intended settlement date of the settlement instruction;
  - (c) the trade date;
  - (d) the currency, except in the case of FoP settlement instructions;
  - (e) the settlement amount, except in the case of FoP settlement instructions;
  - (f) the nominal value for debt instruments, or the quantity for other financial instruments;
  - (g) the delivery or receipt of the financial instruments or cash;
  - (h) the ISIN of the financial instrument;
  - (i) the identifier of the participant that delivers the financial instruments or cash;
  - (j) the identifier of the participant that receives the financial instruments or cash;
  - (k) the identifier of the CSD of the participant's counterparty, in the case of CSDs that use a common settlement infrastructure, including in the circumstances referred to in Article 30(5) of Regulation (EU) No 909/2014;
  - (l) other matching fields required by the CSD for facilitating the settlement of transactions.
4. In addition to the fields referred to in paragraph 3, CSDs shall require their participants to use a field indicating the transaction type in their settlement instructions based on the following taxonomy:
  - (a) purchase or sale of securities;
  - (b) collateral management operations;
  - (c) securities lending/borrowing operations;
  - (d) repurchase transactions;
  - (e) other transactions (which can be identified by more granular ISO codes as provided by the CSD).

*Article 6***Tolerance levels**

For the purpose of matching, CSDs shall set tolerance levels for settlement amounts.

The tolerance level shall represent the maximum difference between the settlement amounts in two corresponding settlement instructions that would still allow matching.

For settlement instructions in EUR, the tolerance level per settlement instruction shall be EUR 2 for settlement amounts of up to EUR 100 000 and EUR 25 for settlement amounts of more than EUR 100 000. For settlement instructions in other currencies, the tolerance level per settlement instruction shall be of equivalent amounts based on the official exchange rate of the ECB, where available.

*Article 7*

**Cancellation facility**

CSDs shall set up a bilateral cancellation facility that enables participants to bilaterally cancel matched settlement instructions that form part of the same transaction.

*Article 8*

**Hold and release mechanism**

CSDs shall set up a hold and release mechanism that consists of both of the following:

- (a) a hold mechanism that allows pending settlement instructions to be blocked by the instructing participant for the purpose of settlement;
- (b) a release mechanism that allows pending settlement instructions that have been blocked by the instructing participant to be released for the purpose of settlement.

*Article 9*

**Recycling**

CSDs shall recycle settlement instructions that have resulted in a settlement fail until they have been settled or bilaterally cancelled.

*Article 10*

**Partial settlement**

CSDs shall allow for the partial settlement of settlement instructions.

*Article 11*

**Additional facilities and information**

1. CSDs shall offer participants the possibility to be informed about a pending settlement instruction of their counterparties, either within one hour after the first unsuccessful attempt to match that instruction, or immediately after such an unsuccessful attempt where that attempt has been made within the five-hour period before the cut-off of the intended settlement date or after the intended settlement date.
2. CSDs shall provide participants with access to real-time information on the status of their settlement instructions in the securities settlement system, including information on:
  - (a) pending settlement instructions that can still be settled on the intended settlement date;
  - (b) failed settlement instructions that can no longer be settled on the intended settlement date;
  - (c) fully-settled settlement instructions;
  - (d) partially-settled settlement instructions, including both the settled and unsettled parts of either financial instruments or cash;
  - (e) cancelled settlement instructions, including information about whether those instructions have been cancelled by the system or by the participant.

3. The real-time information referred to in paragraph 2 shall include the following:

- (a) whether the settlement instruction has been matched;
- (b) whether the settlement instruction can still be partially settled;
- (c) whether the settlement instruction is on hold;
- (d) the reasons why instructions are pending or failing.

4. CSDs shall offer participants either real-time gross settlement throughout each business day or a minimum of three settlement batches per business day. The three settlement batches shall be spread across the business day in accordance with market needs, based on a request by the user committee of the CSD.

#### Article 12

##### **Derogation from certain measures to prevent settlement fails**

1. Articles 8 and 10 shall not apply where the securities settlement system operated by a CSD meets the following conditions:

- (a) the value of settlement fails does not exceed EUR 2,5 billion per year;
- (b) the rate of settlement fails, based either on the number of settlement instructions or on the value of settlement instructions, is lower than 0,5 % per year.

The rate of settlement fails based on the number of settlement instructions shall be calculated by dividing the number of settlement fails by the number of settlement instructions entered into the securities settlement system during the relevant period.

The rate of settlement fails based on the value of settlement instructions shall be calculated by dividing the value in EUR of settlement fails by the value of settlement instructions entered into the securities settlement system during the relevant period.

2. By 20 January of each year, CSDs shall assess whether the conditions referred to in paragraph 1 are met and shall notify the competent authority of the results of that assessment in accordance with Annex II.

Where the assessment confirms that at least one of the conditions referred to in paragraph 1 no longer applies, CSDs shall apply Article 8 and Article 10 within one year from the date of the notification referred to in the first subparagraph.

#### CHAPTER III

##### **Measures to address settlement fails**

#### Section I

##### **Monitoring settlement fails**

#### Article 13

##### **Details of the system monitoring settlement fails**

1. CSDs shall establish a system that enables them to monitor the number and value of settlement fails for every intended settlement date, including the length of each settlement fail expressed in business days. That system shall, for each settlement fail, collect the following information:

- (a) the reason for the settlement fail, based on the information available to the CSD;
- (b) any settlement restrictions such as the reservation, blocking or earmarking of financial instruments or cash that make those financial instruments or cash unavailable for settlement;

- (c) the type of financial instrument, within the following categories, affected by the settlement fail:
  - (i) transferable securities as defined in point (a) of Article 4(1)(44) of Directive 2014/65/EU;
  - (ii) sovereign debt as defined in Article 4(1)(61) of Directive 2014/65/EU;
  - (iii) transferable securities as defined in point (b) of Article 4(1)(44) of Directive 2014/65/EU, other than sovereign debt referred to in point (ii);
  - (iv) transferable securities as defined in point (c) of Article 4(1)(44) of Directive 2014/65/EU;
  - (v) exchange-traded funds (ETFs);
  - (vi) units in collective investment undertakings, other than ETFs;
  - (vii) money-market instruments, other than sovereign debt referred to in point (ii);
  - (viii) emission allowances;
  - (ix) other financial instruments;
- (d) the type of transaction, within the following categories, affected by the settlement fail:
  - (i) purchase or sale of financial instruments;
  - (ii) collateral management operations;
  - (iii) securities lending/borrowing operations;
  - (iv) repurchase transactions;
  - (v) other transactions, which can be identified by more granular ISO codes as provided by the CSD;
- (e) the place of trading and of clearing of the affected financial instruments, where applicable;
- (f) the type of settlement instruction, within the following categories, affected by the settlement fail:
  - (i) an intra-CSD settlement instruction, where the failing and the receiving parties are both participants in the same securities settlement system; or
  - (ii) a cross-CSD settlement instruction, where the failing and the receiving parties are participants in two different securities settlement systems or one of the participants is a CSD;
- (g) the type of settlement instruction, within the following categories, affected by the settlement fail:
  - (i) FoP settlement instructions that consist of deliver free of payment ('DFP') and receive free of payment ('RFP') settlement instructions;
  - (ii) delivery versus payment ('DVP') and receive versus payment ('RVP') settlement instructions;
  - (iii) delivery with payment ('DWP') and receive with payment ('RWP') settlement instructions; or
  - (iv) payment free of delivery ('PFOD') settlement instructions that consist of debiting payment free of delivery ('DPFOD') and crediting payment free of delivery ('CPFOD') settlement instructions;
- (h) the type of securities accounts connected to the settlement fail, including:
  - (i) a participant's own account;
  - (ii) a participant's client individual account;
  - (iii) a participant's client's omnibus account;
- (i) the currency in which the settlement instructions are denominated.

2. CSDs shall establish working arrangements with the participants referred to in fields 17 and 18 of Table 1 in Annex I which have the most significant impact on their securities settlement systems and, where applicable, with relevant CCPs and trading venues to analyse the main reasons for the settlement fails.

*Article 14***Reporting settlement fails**

1. CSDs shall communicate the information referred to in Annex I to the competent authority and the relevant authorities on a monthly basis and by close of business on the fifth business day of the following month.

That information shall include the relevant values in EUR. Any value conversion into EUR shall be carried out using the official exchange rate of the ECB of the last day of the reporting period where that official exchange rate of the ECB is available.

CSDs shall report more frequently and provide additional information on settlement fails if so requested by the competent authority.

2. By 20 January of each year, CSDs shall report to the competent authority and the relevant authorities the information referred to in Annex II, including the measures planned or taken by CSDs and their participants to improve the settlement efficiency of the security settlement systems it operates.

CSDs shall regularly monitor the application of the measures referred to in the first subparagraph and shall provide the competent authority and the relevant authorities, upon request, with any relevant findings resulting from such monitoring.

3. The information referred to in paragraphs 1 and 2 shall be provided in a machine-readable format.

4. The value of settlement instructions referred to in Annexes I to III shall be calculated as follows:

- (a) in the case of settlement instructions against payment, the settlement amount of the cash leg;
- (b) in the case of FoP settlement instructions, the market value of the financial instruments referred to in Article 32(3) or, where not available, the nominal value of the financial instruments.

*Article 15***Public disclosure on settlement fails**

CSDs shall publish the information set out in Annex III for the securities settlement system it operates on their website for free, including the relevant values in EUR.

Any value conversion into EUR shall be carried out using the official exchange rate of the ECB of the last day of the reporting period where that official exchange rate of the ECB is available.

The information referred to in the first subparagraph shall be published annually and in a language customary in the sphere of international finance and shall be machine-readable.

*Section 2***Cash penalties***Article 16***Calculation and application of cash penalties**

1. The cash penalties referred to in Article 7(2) of Regulation (EU) No 909/2014 shall be calculated and applied by CSDs for each settlement instruction that fails to settle.

The calculation referred to in the first subparagraph shall include settlement instructions that have been put on hold by a participant.

Where matching is required pursuant to Article 5(2), cash penalties shall only be applied to matched settlement instructions.

2. Cash penalties shall be calculated and applied at the end of each business day where the settlement instruction fails to settle.

3. Where a settlement instruction has been entered into the securities settlement system or has been matched after the intended settlement date, cash penalties shall be calculated and applied as from the intended settlement date.

Where new settlement instructions are entered into the securities settlement system for any non-delivered financial instruments in accordance with Article 27(10), Article 29(11) or Article 31(11), cash penalties shall apply to the new settlement instructions from the day those instructions are entered into the securities settlement system.

Where settlement instructions have been matched after the intended settlement date, cash penalties for the period between the intended settlement date and the business day prior to the day on which matching has taken place shall be paid by the last participant who has entered or modified the relevant settlement instruction in the securities settlement system.

4. CSDs shall provide each relevant participant with the details of the calculation of the penalties for each failed settlement instruction on a daily basis, including details on the account to which each failed settlement instruction refers.

#### *Article 17*

### **Collection and distribution of cash penalties**

1. CSDs shall charge and collect on at least a monthly basis the net amount of cash penalties to be paid by each failing participant.

Cash penalties shall be deposited into a dedicated cash account.

2. CSDs shall distribute on at least a monthly basis the net amount of cash penalties referred to in paragraph 1 to receiving participants affected by settlement fails.

#### *Article 18*

### **Costs of the penalty mechanism**

1. CSDs shall not use cash penalties to cover costs related to the penalty mechanism.

2. CSDs shall disclose, in detail, the amount of the costs referred to in paragraph 1 to participants.

3. CSDs shall charge participants separately for the costs of the penalty mechanism. Those costs shall not be charged on the basis of gross penalties applied to each participant.

#### *Article 19*

### **Penalty mechanism where the participant is a CCP**

Where the failing or the receiving participant is a CCP, CSDs shall ensure the following:

- (a) that CCPs are provided with the calculation of the cash penalties for the failed settlement instructions submitted by those CCPs;
- (b) that CCPs collect the cash penalties referred to in point (a) from the clearing members that caused the settlement fails;
- (c) that CCPs distributes the cash penalties referred to in point (b) to the clearing members that are affected by the settlement fails;
- (d) that CCPs report to the CSD on the penalties that they have collected and distributed, on a monthly basis.

#### *Article 20*

### **CSDs that use a common settlement infrastructure**

CSDs that use a common settlement infrastructure, including where some of their services or activities have been outsourced as referred to in Article 30(5) of Regulation (EU) No 909/2014, shall jointly establish the penalty mechanism referred to in Article 7(2) of Regulation (EU) No 909/2014 and jointly manage the modalities for the calculation, application, collection and distribution of cash penalties in accordance with this Regulation.

### Section 3

#### **Details of the buy-in process**

##### Sub-section 1

##### **General**

##### *Article 21*

##### **Buy-in not possible**

A buy-in shall only be considered not possible where:

- (a) the relevant financial instruments no longer exist;
- (b) for transactions not cleared by a CCP, the failing trading venue member or the failing trading party is subject to insolvency proceedings.

For the purposes of point (b), insolvency proceeding shall mean any collective measure provided for in the law of a Member State, or a third country, either to wind up the trading venue member or trading party or to reorganise it, where such measure involves the suspension or imposition of limitations on transfers or payments.

##### *Article 22*

##### **Ineffective buy-in process**

1. For the purposes of point (b) of Article 7(4) of Regulation (EU) No 909/2014, the following operations shall be considered to be composed of several transactions:

- (a) operations where one party sells financial instruments for cash ('first transaction'), with a commitment of the other party to sell equivalent financial instruments to the first party for a price that is determined or determinable ('second transaction');
- (b) operations where one party transfers financial instruments to another party ('first transaction'), with a commitment of that other party to return equivalent financial instruments to the first party ('second transaction').

2. Where paragraph 1 applies, the buy-in process shall be considered ineffective where the intended settlement date of the second transaction is set within 30 business days after the intended settlement date of the first transaction.

##### *Article 23*

##### **Application of partial settlement**

1. Where on the last business day of the extension period referred to in Article 7(3) of Regulation (EU) No 909/2014, some of the relevant financial instruments are available for delivery to the receiving participant, the receiving and failing clearing members, trading venue members or trading parties, as applicable, shall partially settle the initial settlement instruction unless the conditions set out in Article 12(1) of this Regulation are fulfilled.

2. The first subparagraph shall not apply where the relevant settlement instruction is put on hold in accordance with Article 8.

##### *Article 24*

##### **Buy-in agent**

A buy-in agent shall not have any conflict of interest in the execution of a buy-in and shall execute the buy-in on the terms most favourable to the failing clearing member, trading venue member or trading party, as applicable, in accordance with Article 27 of Directive 2014/65/EU.

##### *Article 25*

##### **Contractual arrangements and procedures**

1. Parties in the settlement chain shall establish contractual arrangements with their relevant counterparties that incorporate the buy-in process requirements specified in paragraph 2 and the procedures specified in paragraph 3.

2. The contractual arrangements referred to in paragraph 1 shall fully incorporate the applicable requirements set out in Article 7 of Regulation (EU) No 909/2014 and Articles 26 to 38 of this Regulation. Each party in the settlement chain shall ensure that the contractual arrangements established with its relevant counterparties are enforceable in all relevant jurisdictions.
3. CCPs, clearing members, trading venue members or trading parties shall establish the necessary procedures to execute the buy-in, pay the cash compensation, the price difference and the buy-in costs within the required timeframes. The contractual arrangements and the procedures referred to in this Article shall include the necessary provisions to ensure that the relevant parties in the settlement chain receive the information required to exercise their rights and obligations in accordance with the timeframes specified in Articles 26 to 35 of this Regulation.
4. The participants shall establish the necessary contractual arrangements with their clients to ensure that the buy-in requirements set out in this Regulation are enforceable in all the jurisdictions to which parties in the settlement chain belong.
5. The bought-in financial instruments may only be considered as delivered for the purposes of Article 27, Article 29 and Article 31 where those instruments have been received in the securities settlement system operated by the CSD by the receiving participants acting on behalf of the CCP, the receiving clearing members, trading venue members or trading parties.
6. The cash compensation referred to in Article 33 and the price difference referred to in Article 35(1) may only be considered as paid where the cash payment has been received by the receiving participants acting on behalf of the CCP, the receiving clearing members, trading venue members or trading parties.

#### Sub-section 2

### **Buy-in process for transactions cleared by a CCP**

#### *Article 26*

### **Initial verification**

1. On the business day following the expiry of the extension period, CCPs shall verify whether a buy-in is possible in accordance with Article 21(a) in relation to any of the transactions it has cleared.
2. Where a buy-in is not possible pursuant to Article 21(a), the CCP shall notify the failing clearing member of the cash compensation amount calculated in accordance with Article 32. The cash compensation shall be paid in accordance with Article 33(1).
3. Where a buy-in is possible, Article 27 shall apply.

#### *Article 27*

### **Buy-in procedure and notifications**

1. Where a buy-in is possible, CCPs shall launch an auction or appoint a buy-in agent on the business day following the expiry of the extension period and notify the failing and receiving clearing members thereof.
2. Upon receipt of the notification referred to in paragraph 1, the failing clearing member shall ensure that any relevant settlement instruction relating to the settlement fail is put on hold.
3. Upon receipt of the notification referred to in paragraph 1, the failing clearing member may only deliver the financial instruments as follows:
  - (a) to the buy-in agent where the buy-in agent gives prior consent;
  - (b) to the CCP where the auction has been awarded to that failing clearing member.

Prior to receipt of the notification referred to in paragraph 1, the failing clearing member may still deliver the financial instruments directly to the CCP.

4. The CCP shall notify the results of the buy-in to the failing and receiving clearing members and to the relevant CSD at the latest on the last business day of the period determined in accordance with Article 37.
5. Where the buy-in is successful in part or in full, the notification referred to in paragraph 4 shall include the quantity and price of the bought-in financial instruments.
6. Where the buy-in fails in part or in full, the notification referred to in paragraph 4 shall include the cash compensation amount calculated in accordance with Article 32 unless that notification specifies that the execution of the buy-in is deferred.
7. Where the execution of the buy-in is deferred, the CCP shall notify the results of that deferred buy-in to the failing and receiving clearing members and to the relevant CSD at the latest on the last business day of the deferral period referred to in Article 38.
8. Where the buy-in referred to in paragraph 7 is successful in part or in full, the notification referred to in that paragraph shall include the quantity and price of the bought-in financial instruments.
9. Where the buy-in referred to in paragraph 7 fails in part or in full, the notification referred to in that paragraph shall include the cash compensation amount calculated in accordance with Article 32.
10. The CCP shall accept and pay for the bought-in financial instruments referred to in paragraphs 5 and 8 and ensure that the following is carried out at the end of each business day on which the CCP receives those financial instruments:
  - (a) the bought-in financial instruments are delivered to the receiving clearing members;
  - (b) the settlement instructions relating to the settlement fail are cancelled;
  - (c) new settlement instructions are entered into the securities settlement system for any non-delivered financial instruments and the CSD receives the information necessary to identify such new settlement instructions accordingly.
11. The CCP shall ensure that the settlement instructions relating to the settlement fail are cancelled upon payment of the cash compensation referred to in paragraphs 6 and 9 or, at the latest, on the second business day after the notification referred to therein.

#### Sub-section 3

### **Buy-in process for transactions not cleared by a CCP and executed on a trading venue**

#### *Article 28*

#### **Initial verification**

1. For transactions not cleared by CCPs and executed on a trading venue, receiving participants, through their clients, shall inform receiving trading venue members of any settlement fails without undue delay.
2. The trading venue shall disclose to the receiving trading venue member the identity of the failing trading venue members upon request. On the business day following the expiry of the extension period, the receiving trading venue member shall verify whether a buy-in is possible in accordance with Article 21.
3. Where a buy-in is not possible pursuant to Article 21, the receiving trading venue member shall notify the failing trading venue member of the results of the verification and the cash compensation amount calculated in accordance with Article 32. The cash compensation shall be paid in accordance with Article 33(2).
4. Where a buy-in is possible, Article 29 shall apply.

#### *Article 29*

#### **Buy-in procedure and notifications**

1. Where a buy-in is possible, the receiving trading venue member shall appoint a buy-in agent on the business day following the expiry of the extension period and notify the failing trading venue member thereof.

2. Upon receipt of the notification referred to in paragraph 1, the failing trading venue member shall ensure that any relevant settlement instruction relating to the settlement fail is put on hold.

3. Upon receipt of the notification referred to in paragraph 1, the failing trading venue member may only deliver the financial instruments to the buy-in agent where the buy-in agent gives prior consent.

Prior to receipt of the notification referred to in paragraph 1, the failing trading venue member may still deliver the financial instruments directly to the receiving trading venue member.

4. The receiving trading venue member shall notify the results of the buy-in to the failing trading venue member and to the relevant CSD at the latest on the last business day of the period determined in accordance with Article 37.

5. Where the buy-in is successful in part or in full, the notification referred to in paragraph 4 shall include the quantity and price of the bought-in financial instruments.

6. Where the buy-in fails in part or in full, the notification referred to in paragraph 4 shall include the cash compensation amount calculated in accordance with Article 32 unless that notification specifies that the execution of the buy-in is deferred.

7. Where the execution of the buy-in is deferred, the receiving trading venue member shall notify the results of that deferred buy-in to the failing trading venue member and to the relevant CSD at the latest on the last business day of the deferral period referred to in Article 38.

8. Where the buy-in referred to in paragraph 7 is successful in part or in full, the notification referred to in that paragraph shall include the quantity and price of the bought-in financial instruments.

9. Where the buy-in referred to in paragraph 7 fails in part or in full, the notification referred to in that paragraph shall include the cash compensation amount calculated in accordance with Article 32.

10. The receiving trading venue member shall accept and pay for the bought-in financial instruments referred to in paragraphs 5 and 8.

11. The receiving and the failing trading venue members shall ensure that the following is carried out at the end of each business day on which the receiving trading venue member receives the instruments referred to in paragraphs 5 and 8:

- (a) the settlement instructions relating to the settlement fail are cancelled;
- (b) the new settlement instructions are entered into the securities settlement system for any non-delivered financial instruments and the CSD receives the information necessary to identify such new settlement instructions accordingly.

12. The failing trading venue member shall pay the cash compensation referred to in paragraphs 6 and 9 in accordance with Article 33(2).

13. The failing and receiving trading venue members shall ensure that the relevant settlement instructions relating to the settlement fail are cancelled upon payment of the cash compensation referred to in paragraphs 6 and 9 or at the latest on the second business day after the notification of the amount of cash compensation.

#### Sub-section 4

### **Buy-in process for transactions not cleared by a CCP and not executed on a trading venue**

#### *Article 30*

#### **Initial verification**

1. For transactions not cleared by a CCP and not executed on a trading venue, receiving participants, through their clients, shall inform receiving trading parties of any settlement fails without undue delay.

2. On the business day following the expiry of the extension period, receiving trading parties shall verify whether a buy-in is possible in accordance with Article 21.

3. Where buy-in is not possible pursuant to Article 21, receiving trading parties shall notify the failing trading party of the results of the verification and the cash compensation amount calculated in accordance with Article 32. The cash compensation shall be paid in accordance with Article 33(2).

4. Where the buy-in is possible, Article 31 shall apply.

#### Article 31

##### **Buy-in procedure and notifications**

1. Where the buy-in is possible, the receiving trading party shall appoint a buy-in agent on the business day following the expiry of the extension period and notify the failing trading party thereof.

2. Upon receipt of the notification referred to in paragraph 1, the failing trading party shall ensure that any relevant settlement instruction relating to the settlement fail is put on hold.

3. Upon receipt of the notification referred to in paragraph 1, the failing trading party may only deliver the financial instruments to the buy-in agent where the buy-in agent gives its prior consent.

Prior to the receipt of the notification referred to in paragraph 1, the failing trading party may still deliver the financial instruments directly to the receiving trading party.

4. The receiving trading party shall notify the results of the buy-in to the failing trading party at the latest on the last business day of the applicable period determined in accordance with Article 37. The receiving trading party shall ensure that the relevant CSD receives the information notified without undue delay.

5. Where the buy-in is successful in part or in full, the notification referred to in paragraph 4 shall include the quantity and price of the bought-in financial instruments.

6. Where the buy-in fails in part or in full, the notification referred to in paragraph 4 shall include the cash compensation amount calculated in accordance with Article 32, unless that notification specifies that the execution of the buy-in is deferred.

7. Where the execution of the buy-in is deferred, the receiving trading party shall notify the results of that deferred buy-in to the failing trading party at the latest on the last business day of the deferral period referred to in Article 38. The receiving trading party shall ensure that the relevant CSD receives the information notified without undue delay.

8. Where the buy-in referred to in paragraph 7 is successful in part or in full, the notification referred to in that paragraph shall include the quantity and price of the bought-in financial instruments.

9. Where the buy-in referred to in paragraph 7 fails in part or in full, the notification referred to in that paragraph shall include the cash compensation amount calculated in accordance with Article 32.

10. The receiving trading party shall accept and pay for the bought-in financial instruments referred to in paragraphs 5 and 8.

11. The receiving and the failing trading parties shall ensure that the following is carried out at the end of each business day on which the receiving trading party receives the instruments referred to in paragraphs 5 and 8:

- (a) the settlement instructions relating to the settlement fail are cancelled;
- (b) the new settlement instructions are entered into the securities settlement system for any non-delivered financial instruments and the CSD receives the information necessary to identify such new settlement instructions accordingly.

12. The failing trading party shall pay the cash compensation referred to in paragraphs 6 and 9 in accordance with Article 33(3).

13. The failing and receiving trading parties shall ensure that the relevant settlement instructions relating to the settlement fail are cancelled upon payment of the cash compensation referred to in paragraphs 6 and 9 or at the latest on the second business day after the notification of the amount of that cash compensation.

#### Sub-section 5

### **Calculation and payment of the cash compensation, of the buy-in costs and related price difference**

#### *Article 32*

### **Calculation of the cash compensation**

1. The cash compensation to be paid pursuant to Article 7(7) of Regulation (EU) No 909/2014 shall be calculated in either of the following ways:

- (a) for settlement instructions against payment, the difference between the market value of the relevant financial instruments on the business day before the payment of the cash compensation and the settlement amount included in the failed settlement instruction where that settlement amount is lower than that market value;
- (b) for settlement instructions free of payment, the difference between the market value of the relevant financial instruments on the business day before the payment of the cash compensation and the market value of those financial instruments on the day of their trade, where the market value of those financial instruments on the day of their trade is lower than on the business day before the payment of the cash compensation.

2. Where not already included in the market value of the financial instrument, the cash compensation to be paid pursuant to Article 7(7) of Regulation (EU) No 909/2014 shall include a component reflecting exchange rates variation, as well as corporate entitlements and accrued interest.

3. The market value referred to in paragraph 1 shall be determined as follows:

- (a) for financial instruments referred to in Article 3(1) of Regulation (EU) No 600/2014 of the European Parliament and of the Council <sup>(1)</sup> admitted to trading on a trading venue within the Union, the value determined on the basis of the closing price of the most relevant market in terms of liquidity referred to in Article 4(6)(b) of that Regulation;
- (b) for financial instruments admitted to trading on a trading venue within the Union other than those referred to in point (a), the value determined on the basis of the closing price of the trading venue within the Union with the highest turnover;
- (c) for financial instruments other than those referred to in points (a), and (b), the value determined on the basis of a price calculated using a pre-determined methodology approved by the competent authority of the CSD that refers to criteria related to market data, including market prices available across trading venues or investment firms.

4. The market value referred to in paragraph 1 and the component reflecting exchange rates variation, corporate entitlements and accrued interest, referred to in paragraph 2, shall be disclosed to clearing members, trading venue members and trading parties in a detailed breakdown.

#### *Article 33*

### **Payment of the cash compensation**

1. For transactions cleared by a CCP, the CCP shall collect the cash compensation from the failing clearing members and pay the cash compensation to the receiving clearing members.

2. Where transactions have not been cleared by a CCP but executed on a trading venue, the failing trading venue members shall pay the cash compensation to the receiving trading venue members.

3. Where transactions have not been cleared by a CCP and have not been executed on a trading venue, the failing trading parties shall pay the cash compensation to the receiving trading parties.

<sup>(1)</sup> Regulation (EU) No 600/2014 of the European Parliament and of the Council of 15 May 2014 on markets in financial instruments and amending Regulation (EU) No 648/2012 (OJ L 173, 12.6.2014, p. 84).

*Article 34***Payment of the costs of the buy-in**

The amounts referred to in Article 7(8) of Regulation (EU) No 909/2014 shall be paid by the failing clearing members, failing trading venue members or failing trading parties, as applicable.

*Article 35***Payment of the price difference**

1. Where the price of financial instruments referred to in Article 5(1) of Regulation (EU) No 909/2014 agreed at the time of the trade is lower than the price effectively paid for those financial instruments pursuant to Articles 27(10), 29(10), and 31(10), the failing clearing members, failing trading venue members or failing trading parties shall pay the price difference to the CCP, receiving trading venue members or receiving trading parties, as applicable.

Where transactions are cleared by a CCP, the price difference referred to in the first subparagraph shall be collected from failing clearing members by the CCP and paid to the receiving clearing members.

2. Where the price of the shares agreed at the time of the trade is higher than the price effectively paid for those shares pursuant to Article 27(10), Article 29(10) and Article 31(10), the corresponding difference referred to in Article 7(6) of Regulation (EU) No 909/2014 shall be deemed paid.

*Section 4***Timeframes for buy-in process***Article 36***Extension periods**

In accordance with point (a) of Article 7(4) of Regulation (EU) No 909/2014, the extension period for the financial instruments referred to in Article 5(1) of Regulation (EU) No 909/2014 shall be increased from four to seven business days for all financial instruments other than shares that have a liquid market as referred to in point (b) of Article 2(1)(17) of Regulation (EU) No 600/2014.

*Article 37***Timeframes for the delivery of financial instruments**

Following the buy-in process, the financial instruments referred to in the first subparagraph of Article 5(1) of Regulation (EU) No 909/2014 shall be delivered to the receiving participants which are acting on behalf of the CCP, the receiving clearing members, the trading venue members or the trading parties, within the following timeframes:

- (a) four business days after the extension period referred to in Article 36 for shares that have a liquid market;
- (b) seven business days after the extension period referred to in Article 36 for financial instruments other than shares that have a liquid market;
- (c) seven business days after the extension period referred to in the second subparagraph of Article 7(3) of Regulation (EU) No 909/2014 for financial instruments traded on SME growth markets;
- (d) where shares referred to in point (a) are traded on SME growth markets, point (c) shall apply.

*Article 38***Duration of deferral of the execution of a buy-in**

Where the CCP, the receiving trading venue member or the receiving trading party defers the execution of the buy-in, the duration of the deferral period referred to in Article 7(7) of Regulation (EU) No 909/2014 shall be determined in accordance with the timeframes referred to in Article 37.

## Section 5

**Systematic delivery failure***Article 39***Consistent and systematic failure to deliver securities**

1. A participant shall be considered as consistently and systematically failing to deliver in a security settlement system, as referred to in Article 7(9) of Regulation (EU) No 909/2014, where its rate of settlement efficiency, determined by reference to the number or to the value of settlement instructions, is at least 15 % lower than the rate of settlement efficiency of that securities settlement system, during at least a relevant number of days over the 12 previous months.

The relevant number of days shall be determined for each participant as 10 % of the number of days of activity of that participant in the security settlement system over the 12 previous months.

2. When calculating a participant's rate of settlement efficiency, exclusive reference shall be made to settlement fails caused by that participant.

## Section 6

**Settlement information***Article 40***Settlement information for CCPs and trading venues**

The settlement information referred to in the second subparagraph of Article 7(10) of Regulation (EU) No 909/2014 shall include the identification of the relevant transactions, of the participants and of the relevant settlement instructions. That information shall be based on the information in the securities settlement system the CSD operates.

*Article 41***Settlement information in the absence of direct transaction feed from the trading venue**

For transactions executed on a trading venue which are not cleared by a CCP, and in the absence of a direct transaction feed from the trading venue to the CSD, participants shall identify the trading venue and the transactions in their settlement instructions. In the absence of such information, CSDs shall consider the transactions as not having been executed on a trading venue.

## CHAPTER IV

**Final provisions***Article 42*

This Regulation shall enter into force 24 months following the day of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 25 May 2018.

*For the Commission*  
*The President*  
Jean-Claude JUNCKER

## ANNEX I

Table 1

**General information on settlement fails to be reported by CSDs to the competent authorities and relevant authorities on a monthly basis**

No.	Details to be reported	Format
1.	Country code for the jurisdiction in which the CSD is established	ISO 3166 2 character country code
2.	Securities settlement system operated by the CSD	Free text
3.	Reporting timestamp (CSD to competent authority/relevant authority)	ISO 8601 date in the UTC time format YYYY-MM-DDThh:mm:ssZ
4.	Reporting period: beginning and end dates of the period covered by the report	ISO 8601 date in the format YYYY-MM-DD-YYYY-MM-DD
5.	CSD Legal Entity Identifier	ISO 17442 Legal Entity Identifier (LEI) 20 alphanumerical character code
6.	Corporate name of the CSD	Free text
7.	Name of the person responsible for the report sent by the CSD	Free text
8.	Function of the person responsible for the report sent by the CSD	Free text
9.	Phone number of the person responsible for the report sent by the CSD	Only numeric characters may be used. The phone number must be provided with the country code and the local area code. No special characters may be used.
10.	Email address of the person responsible for the report sent by the CSD	Email addresses must be supplied using the standard email address convention.
11.	Number of settlement instructions during the period covered by the report	Up to 20 numerical characters reported as whole numbers without decimals.
12.	Number of settlement fails during the period covered by the report (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters reported as whole numbers without decimals.
13.	Rate of settlement fails based on volume (number of settlement fails/number of settlement instructions during the period covered by the report) (covering both settlement fails for lack of securities and lack of cash)	Percentage value up to 2 decimal places.

No.	Details to be reported	Format	
14.	Rate of settlement fails based on value (EUR) (value of settlement fails/value of settlement instructions during the period covered by the report) (covering both settlement fails for lack of securities and lack of cash)	Percentage value up to 2 decimal places.	
15.	Value of settlement instructions (EUR) during the period covered by the report	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character	
16.	Value of settlement fails (EUR) during the period covered by the report (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character	
17.	Top 10 participants with the highest rates of settlement fails during the period covered by the report (based on number of settlement instructions)	For each participant identified by LEI	
		Participant LEI	ISO 17442 Legal Entity Identifier (LEI) 20 alphanumerical character code
		Total number of settlement instructions per participant	Up to 20 numerical characters reported as whole numbers without decimals.
		Number of settlement fails per participant	Up to 20 numerical characters reported as whole numbers without decimals.
		Percentage of settlement fails	Percentage value up to 2 decimal places
		Total value (EUR) of settlement instructions per participant	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character
		Value (EUR) of settlement fails per participant	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character
Rate of settlement fails	Percentage value up to 2 decimal places.		
18.	Top 10 participants with the highest rates of settlement fails during the period covered by the report (based on value (EUR) of settlement instructions)	For each participant identified by LEI:	
		Participant LEI	ISO 17442 Legal Entity Identifier (LEI) 20 alphanumerical character code

No.	Details to be reported	Format	
		Total value (EUR) of settlement instructions per participant	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character
		Value (EUR) of settlement fails per participant	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character
		Percentage of settlement fails	Percentage value up to 2 decimal places
		Total number of settlement instructions per participant	Up to 20 numerical characters reported as whole numbers without decimals.
		Number of settlement fails per participant	Up to 20 numerical characters reported as whole numbers without decimals.
		Rate of settlement fails	Percentage value up to 2 decimal places.
19.	Number of settlement instructions per currency in which the settlement instructions are denominated during the period covered by the report	For each ISO 4217 3 character Currency Code the volume will be expressed using up to 20 numerical characters reported as whole numbers without decimals.	
20.	Number of settlement fails per currency in which the settlement instructions are denominated during the period covered by the report	For each ISO 4217 3 character Currency Code the volume will be expressed using up to 20 numerical characters reported as whole numbers without decimals.	
21.	Rate of settlement fails per currency in which the settlement instructions are denominated, based on volume (number of settlement fails/number of settlement instructions per currency, during the period covered by the report)	For each ISO 4217 3 character Currency Code the rate shall be expressed as a percentage value up to 2 decimal places.	
22.	Value of settlement instructions per currency in which the settlement instructions are denominated during the period covered by the report	For each ISO 4217 3 character Currency Code the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character	
23.	Value of settlement fails per currency in which the settlement instructions are denominated during the period covered by the report	For each ISO 4217 3 character Currency Code the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character	

No.	Details to be reported	Format
24.	Rate of settlement fails per currency in which the settlement instructions are denominated, based on value (value of settlement fails/value of settlement instructions per currency, during the period covered by the report)	For each ISO 4217 3 character Currency Code the rate shall be expressed as a percentage value up to 2 decimal places.
25.	Number of settlement instructions for each type of financial instruments during the period covered by the report	For each type of financial instruments: Up to 20 numerical characters reported as whole numbers without decimals.
26.	Number of settlement fails (covering both settlement fails for lack of securities and lack of cash) for each type of financial instruments during the period covered by the report	For each type of financial instruments: Up to 20 numerical characters reported as whole numbers without decimals.
27.	Rate of settlement fails for each type of financial instruments, based on volume (number of settlement fails/number of settlement instructions per each type of financial instruments, during the period covered by the report)	For each type of financial instruments the rate shall be expressed as a percentage value up to 2 decimal places.
28.	Value (EUR) of settlement instructions for each type of financial instruments	For each type of financial instruments the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
29.	Value (EUR) of settlement fails (covering both settlement fails for lack of securities and lack of cash) for each type of financial instruments	For each type of financial instruments the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
30.	Rate of settlement fails for each type of financial instrument, based on value (value of settlement fails/value of settlement instructions for each type of financial instrument, during the period covered by the report)	For each type of financial instruments the rate shall be expressed as a percentage value up to 2 decimal places.
31.	Number of settlement instructions for each type of transactions during the period covered by the report	For each type of transactions the volume shall be expressed using up to 20 numerical characters reported as whole numbers without decimals.
32.	Number of settlement fails (covering both settlement fails for lack of securities and lack of cash) for each type of transactions during the period covered by the report	For each type of transactions the volume shall be expressed using up to 20 numerical characters reported as whole numbers without decimals.

No.	Details to be reported	Format
33.	Rate of settlement fails for each type of transactions, based on volume (number of settlement fails/number of settlement instructions per each type of transactions, during the period covered by the report)	For each type of transactions the rate shall be expressed as a percentage value up to 2 decimal places.
34.	Value (EUR) of settlement instructions for each type of transactions	For each type of transactions the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
35.	Value (EUR) of settlement fails (covering both settlement fails for lack of securities and lack of cash) for each type of transactions	For each type of transactions the value shall be expressed using up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
36.	Rate of settlement fails for each type of transactions, based on value (value of settlement fails/value of settlement instructions for each type of transactions, during the period covered by the report)	For each type of transactions the rate shall be expressed as a percentage value up to 2 decimal places.
37.	Top 20 ISINs that are the object of settlement fails, based on the volume of settlement fails;	ISIN code
38.	Top 20 ISINs that are the object of settlement fails based on the value (EUR) of settlement fails.	ISIN Code
39.	Total number of penalties referred to in Article 7(2) of Regulation (EU) No 909/2014, imposed by the CSD	Up to 20 numerical characters reported as whole numbers without decimals.
40.	Total value (EUR) of penalties referred to in Article 7(2) of Regulation (EU) No 909/2014, imposed by the CSD	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
41.	Average duration of settlement fails as number of days (difference between actual settlement date and intended settlement date, weighted for the value of the settlement fail)	Number of days reported as a number with one decimal.
42.	Main reasons for settlement fails	Free text
43.	Measures to improve settlement efficiency	Free text

Table 2

## Daily data on settlement fails to be reported by CSDs to the competent authorities and relevant authorities on a monthly basis

Date (for each reporting day in the month)															
Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Transferable securities referred to in point (a) of Article 4(1)(44) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP <sup>(1)</sup>												
			DWP <sup>(2)</sup>												
			PFOD <sup>(3)</sup>												
			FoP <sup>(4)</sup>												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
	Collateral management operations	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Cross-CSD		DVP													
		DWP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
			PFOD												
			FoP												
	Securities lending and securities borrowing	Intra-CSD	DVP												
DWP															
PFOD															
FoP															
		Cross-CSD	DVP												
DWP															
PFOD															
FoP															
	Repurchase transactions	Intra-CSD	DVP												
DWP															
PFOD															
FoP															
		Cross-CSD	DVP												
DWP															
PFOD															
FoP															

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash							
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails			
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)		
	Other transactions	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
		Cross-CSD	DVP														
			DWP														
			PFOD														
			FoP														
Sovereign debt referred to in Article 4(1)(61) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
		Cross-CSD	DVP														
			DWP														
			PFOD														
			FoP														

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash							
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails			
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)		
	Repurchase transactions	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
		Cross-CSD	DVP														
			DWP														
			PFOD														
			FoP														
	Other transactions	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
Cross-CSD		DVP															
		DWP															
		PFOD															
		FoP															

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Transferable securities referred to in point (b) of Article 4(1)(44) of Directive 2014/65/EU other than sovereign debt referred to in Article 4(1)(61) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Repurchase transactions	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
	Other transactions	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Transferable securities referred to in point (c) of Article 4(1)(44) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
	Repurchase transactions	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
	Other transactions	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Cross-CSD		DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Exchange-traded funds as defined in point (46) of Article 4(1) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash						
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails		
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	
Securities lending and securities borrowing		Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													
Repurchase transactions		Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash							
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails			
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)		
	Other transactions	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
		Cross-CSD	DVP														
			DWP														
			PFOD														
			FoP														
Units in collective investment undertakings, other than ETFs	Purchase or sale of financial instruments	Intra-CSD	DVP														
			DWP														
			PFOD														
			FoP														
		Cross-CSD	DVP														
			DWP														
			PFOD														
			FoP														

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
	Repurchase transactions	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
	Other transactions	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Money market instruments other than Sovereign debt referred to in Article 4(1)(61) of Directive 2014/65/EU	Purchase or sale of financial instruments	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Repurchase transactions	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash						
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails		
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	
	Other transactions	Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													
Emission allowances	Purchase or sale of financial instruments	Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													
Securities lending and securities borrowing	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash						
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails		
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	
	Repurchase transactions	Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													
	Other transactions	Intra-CSD	DVP													
			DWP													
			PFOD													
			FoP													
		Cross-CSD	DVP													
			DWP													
			PFOD													
			FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Other financial instruments	Purchase or sale of financial instruments	Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Collateral management operations	Intra-CSD	DVP													
		DWP													
		PFOD													
		FoP													
	Cross-CSD	DVP													
		DWP													
		PFOD													
		FoP													

Date (for each reporting day in the month)

Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash					
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails	
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)
Securities lending and securities borrowing		Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												
Repurchase transactions		Intra-CSD	DVP												
			DWP												
			PFOD												
			FoP												
		Cross-CSD	DVP												
			DWP												
			PFOD												
			FoP												

Date (for each reporting day in the month)																
Type of financial instruments	Type of transaction	Internal vs Cross-system	Type of instruction	Failure to deliver securities						Failure to deliver cash						
				Settlement fails		Total Instructions		Rate of fails		Settlement fails		Total Instructions		Rate of fails		
				Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)	
	Other transactions	Intra-CSD	DVP													
DWP																
PFOD																
FoP																
		Cross-CSD	DVP													
DWP																
PFOD																
FoP																

(1) Covers DVP and RVP settlement instructions.

(2) Covers DWP and RWP settlement instructions.

(3) Covers DPFOD and CPFOD settlement instructions.

(4) Covers DFP and RFP settlement instructions.

## ANNEX II

**Information on settlement fails to be reported by CSDs to the competent authorities and relevant authorities on an annual basis**

Table 1

No	Details to be reported	Format
1.	Country code for the jurisdiction in which the CSD is established	ISO 3166 2 character country code
2.	Securities settlement system operated by the CSD	Free text
3.	Reporting timestamp (CSD to competent authority/relevant authority)	ISO 8601 date in the UTC time format YYYY-MM-DDThh:mm:ssZ
4.	Reporting period: beginning and end dates of the period covered by the report	ISO 8601 date in the format YYYY-MM-DD-YYYY-MM-DD
5.	CSD Legal Entity Identifier	ISO 17442 Legal Entity Identifier (LEI) 20 alphanumeric character code
6.	Corporate name of the CSD	Free text
7.	Name of the person responsible for the report sent by the CSD	Free text
8.	Function of the person responsible for the report sent by the CSD	Free text
9.	Phone number of the person responsible for the report sent by the CSD	Only numerical characters may be used. The phone number must be provided with the country code and the local area code. No special characters may be used.
10.	Email address of the person responsible for the report sent by the CSD	Email addresses must be supplied using the standard email address convention.
11.	Measures to improve settlement efficiency	Free text
12.	Main reasons for settlement fails (annual summary of the reasons for settlement fails included in the monthly reports)	Free text
13.	Annual volume of settlement instructions	Up to 20 numerical characters reported as whole numbers without decimals.
14.	Annual volume of settlement fails (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters reported as whole numbers without decimals.
15.	Annual rate of settlement fails based on volume (annual number of settlement fails/annual number of settlement instructions) (covering both settlement fails for lack of securities and lack of cash)	Percentage value up to 2 decimal places
16.	Annual value (EUR) of settlement instructions	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character

No	Details to be reported	Format
17.	Annual value (EUR) of settlement fails (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character
18.	Annual rate of settlement fails based on value (annual value of settlement fails/annual value of settlement instructions) (covering both settlement fails for lack of securities and lack of cash)	Percentage value up to 2 decimal places
19.	Eligible for derogation under Article 12 of the delegated regulation on settlement discipline, including the justification	YES/NO Free text

## ANNEX III

**Report on settlement fails to be made public on an annual basis**

Table 1

No.	Details to be published	Format
1.	Reporting period	ISO 8601 date in the format YYYY-MM-DD-YYYY-MM-DD
2.	CSD Legal Entity Identifier	ISO 17442 Legal Entity Identifier (LEI) 20 alphanumeric character code
3.	Securities settlement system operated by the CSD	Free text
4.	Number of settlement instructions during the period covered by the report	Up to 20 numerical characters reported as whole numbers without decimals.
5.	Value (EUR) of settlement instructions during the period covered by the report	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
Data on failure to deliver securities		
6.	Number of settlement fails due to failure to deliver securities	Up to 20 numerical characters reported as whole numbers without decimals.
7.	Value (EUR) of settlement fails due to failure to deliver securities	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
8.	Rate of settlement fails based on volume of settlement instructions	Percentage value up to 2 decimal places.
9.	Rate of settlement fails based on value of settlement instructions	Percentage value up to 2 decimal places.
Data on failure to deliver cash		
10.	Number of settlement fails due to failure to deliver cash	Up to 20 numerical characters reported as whole numbers without decimals.
11.	Value (EUR) of settlement fails due to failure to deliver cash	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
12.	Rate of settlement fails based on volume of settlement instructions	Percentage value up to 2 decimal places.
13.	Rate of settlement fails based on value (EUR) of settlement instructions	Percentage value up to 2 decimal places
Data covering both settlement fails for lack of securities and lack of cash		
14.	Total number of settlement fails (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters reported as whole numbers without decimals.

No.	Details to be published	Format
15.	Total value (EUR) of settlement fails (covering both settlement fails for lack of securities and lack of cash)	Up to 20 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
16.	Rate of settlement fails based on volume of settlement instructions	Percentage value up to 2 decimals places
17.	Rate of settlement fails based on value of settlement instructions	Up to 5 numerical characters including decimals. At least one character before and one character after the decimal mark shall be populated. The decimal mark is not counted as a numerical character.
18.	Measures to improve settlement efficiency	Free text