



**▼B****REGULATION OF THE EUROPEAN CENTRAL BANK (EU)  
No 795/2014****of 3 July 2014****on oversight requirements for systemically important payment  
systems****(ECB/2014/28)***Article 1***Subject matter and scope**

1. This Regulation lays down oversight requirements for SIPS.
2. The Governing Council shall adopt a decision identifying the payment systems that are subject to this Regulation, their respective operators and competent authorities. This list shall be maintained on the ECB's website and updated after each change.
3. A payment system shall be identified as a SIPS if: (a) it is eligible to be notified as a system pursuant to Directive 98/26/EC by a Member State whose currency is the euro or its operator is established in the euro area, including establishment by means of a branch, through which the system is operated; and (b) at least two of the following occur over a calendar year:
  - (i) the total daily average value of euro-denominated payments processed exceeds EUR 10 billion;

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- (ii) the total euro-denominated payments processed represent at least one of the following:
  - 15 % of the total volume of euro-denominated payments in the Union,
  - 5 % of the total volume of euro-denominated cross-border payments in the Union,
  - a market share of 75 % of the total volume of euro-denominated payments at the level of a Member State whose currency is the euro;

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- (iii) its cross-border activity (i.e. participants established in a country other than that of the SIPS operator and/or cross border links with other payment systems) involves five or more countries and generates a minimum of 33 % of the total volume of euro-denominated payments processed by that SIPS;
- (iv) it is used for the settlement of other FMIs.

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An identification exercise shall be performed on an annual basis.

3a. A decision adopted under paragraph 2 shall remain in force until it has been repealed. Verification reviews of payment systems that have been identified as SIPS shall be carried out on an annual basis in order to verify that they continue to meet the criteria on the basis of which such identification was made.

4. SIPS operators shall cooperate, on a continuous basis, with the competent authority, and ensure compliance of the SIPS they operate with the requirements set out in Articles 3 to 21, including in terms of the overall effectiveness of their rules, procedures, processes and frameworks. SIPS operators shall further cooperate with the competent authority to facilitate the broader objective of promoting the smooth operation of payment systems at systemic level.

**▼ B***Article 2***Definitions**

For the purposes of this Regulation:

- (1) ‘payment system’ means a formal arrangement between three or more participants, not counting possible settlement banks, central counterparties, clearing houses or indirect participants, with common rules and standardised arrangements for the execution of transfer orders between the participants;
- (2) ‘transfer order’ has the same meaning as defined in Article 2(i) first indent of Directive 98/26/EC;
- (3) ‘systemic risk’ means the risk of a participant or the SIPS operator not meeting their respective obligations in a SIPS will cause other participants and/or the SIPS operator to be unable to meet their obligations when they become due, potentially with spillover effects threatening the stability of or confidence in the financial system;
- (4) ‘SIPS operator’ means the legal entity legally responsible for operating a SIPS;
- (5) ‘competent authority’ means the Eurosystem central bank with primary oversight responsibility identified as such pursuant to Article 1(2);
- (6) ‘Eurosystem SIPS’ means SIPS owned and operated by a Eurosystem central bank;
- (7) ‘legal risk’ means the risk arising from the application of law or regulation, usually resulting in a loss;

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- (8) ‘credit risk’ means the risk that a counterparty, whether a participant or other entity, will be unable to fully meet its financial obligations when they fall due or at any time in the future;
- (9) ‘liquidity risk’ means the risk that a counterparty, whether a participant or other entity, will have insufficient funds to meet its financial obligations when they fall due, although it may have sufficient funds to do so in the future;
- (10) ‘operational risk’ means the risk that deficiencies in information systems or internal processes, human error, management failures, or disruptions caused by external events or outsourced services will result in the reduction, deterioration or breakdown of services provided by a SIPS;
- (11) ‘custody risk’ means the risk of incurring a loss on assets held in custody in the event of a custodian's or sub-custodian's insolvency, negligence, fraud, poor administration or inadequate recordkeeping;
- (12) ‘investment risk’ means the risk of loss faced by a SIPS operator or participant when the SIPS operator invests its own or its participants' resources, e.g. collateral;
- (13) ‘market risk’ means the risk of losses, in both on- and off-balance sheet positions, arising from movements in market prices;

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- (14) ‘deferred net settlement system’ (DNS system) means a system in relation to which settlement in central bank money takes place on a net basis at the end of a predefined settlement cycle, e.g. at the end of, or during, a business day;

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- (15) ‘cross-border collateral’ means collateral for which, from the perspective of the country in which the assets are accepted as collateral, at least one of the following is foreign: (a) the currency of denomination; (b) the country in which the assets are located; or (c) the country in which the issuer is established;
- (16) ‘cross-border payment’ means a payment between participants established in different countries;
- (17) ‘financial market infrastructure’ (FMI) means a multilateral system among participating institutions, including the system operator, used to clear, settle, or record payments, securities, derivatives, or other financial transactions;

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- (18) ‘direct participant’ means a legal entity that has a contractual relationship with a SIPS operator, is bound by the relevant SIPS's rules, is allowed to send transfer orders to that system and is capable of receiving transfer orders from it;
- (18a) ‘indirect participant’ means a legal entity that does not have direct access to a SIPS's services and is typically not directly bound by the relevant SIPS's rules, and whose transfer orders are cleared, settled and recorded by the SIPS through a direct participant. An indirect participant has a contractual relationship with a direct participant. The relevant legal entities are limited to:
- (i) credit institutions as defined in point (1) of Article 4(1) of Regulation (EU) No 575/2013 of the European Parliament and of the Council <sup>(1)</sup>,
  - (ii) investment firms as defined in point (1) of Article 4(1) of Directive 2004/39/EC of the European Parliament and of the Council <sup>(2)</sup>,
  - (iii) any undertaking whose head office is outside the Union and whose functions correspond to those of a Union credit institution or investment firm, as defined in points (i) and (ii),
  - (iv) public authorities and publicly guaranteed undertakings, and central counterparties, settlement agents, clearing houses and system operators as defined in Article 2(c), (d), (e) and (p) of Directive 98/26/EC,
  - (v) payment institutions and e-money institutions as defined in point (4) of Article 4 of Directive (EU) 2015/2366 of the European Parliament and of the Council <sup>(3)</sup> and point (1) of Article 2 of Directive 2009/110/EC of the European Parliament and of the Council <sup>(4)</sup>;

<sup>(1)</sup> Regulation (EU) No 575/2013 of the European Parliament and of the Council of 26 June 2013 on prudential requirements for credit institutions and investment firms and amending Regulation (EU) No 648/2012 (OJ L 176, 27.6.2013, p. 1).

<sup>(2)</sup> Directive 2004/39/EC of the European Parliament and of the Council of 21 April 2004 on markets in financial instruments amending Council Directives 85/611/EEC and 93/6/EEC and Directive 2000/12/EC of the European Parliament and of the Council and repealing Council Directive 93/22/EEC (OJ L 145, 30.4.2004, p. 1).

<sup>(3)</sup> Directive (EU) 2015/2366 of the European Parliament and of the Council of 25 November 2015 on payment services in the internal market, amending Directives 2002/65/EC, 2009/110/EC and 2013/36/EU and Regulation (EU) No 1093/2010, and repealing Directive 2007/64/EC (OJ L 337, 23.12.2015, p. 35).

<sup>(4)</sup> Directive 2009/110/EC of the European Parliament and of the Council of 16 September 2009 on the taking up, pursuit and prudential supervision of the business of electronic money institutions amending Directives 2005/60/EC and 2006/48/EC and repealing Directive 2000/46/EC (OJ L 267, 10.10.2009, p. 7).

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- (19) ‘the Board’ means the administrative or supervisory board of a SIPS operator, or both, in accordance with national law;
- (20) ‘the Management’ means executive directors, i.e. members of a unitary board who are engaged in the daily management of the SIPS operator and members of a managerial board of the SIPS operator in a dual board system;
- (21) ‘relevant stakeholders’ means participants, FMIs that have an impact on the risk in a SIPS, and, on a case-by-case basis, other affected market actors;
- (22) ‘credit exposure’ means an amount or value at risk that a participant will not settle for full value, either when due or at any time thereafter;
- (23) ‘collateral’ means an asset or third-party commitment that is used by a collateral provider to secure an obligation vis-à-vis a collateral taker. Collateral includes both domestic and cross-border collateral;
- (24) ‘liquidity provider’ means a provider of cash under Articles 5(3), 6(5), 8(1), 8(9) and 8(11) or assets under Article 8(4), including a SIPS participant or external party;
- (25) ‘extreme but plausible market conditions’ means a comprehensive set of historical and hypothetical conditions, including the most-volatile periods that have been experienced by the markets the SIPS serves;
- (26) ‘intended settlement date’ means the date that is entered into SIPS as the settlement date by the sender of a transfer order;
- (27) ‘general business risk’ means any potential impairment of the financial position of the SIPS as a business concern as a consequence of a decline in its revenues or an increase in its expenses, such that expenses exceed revenues and result in a loss that must be charged against capital;
- (28) ‘recovery plan’ means a plan developed by a SIPS operator to re-establish the smooth operation of a SIPS;
- (29) ‘orderly wind-down plan’ means a plan developed by a SIPS operator for the orderly closure of a SIPS;
- (30) ‘material’ qualifies a risk, a dependency and/or a change which may affect the ability of an entity to perform or provide services as expected;
- (31) ‘relevant authorities’ means authorities who have a legitimate interest in accessing information from a SIPS to fulfil their statutory requirements, e.g. resolution authorities and supervisors of major participants;

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- (32) ‘principal risk’ means the risk that a counterparty will lose the full value involved in a transaction, i.e. either the risk that a seller of a financial asset will irrevocably deliver the asset, but not receive payment, or the risk that a buyer of a financial asset will irrevocably pay for, but not receive the asset;
- (33) ‘custodian bank’ means a bank holding and safeguarding the financial assets of third parties;
- (34) ‘settlement bank’ means a bank holding accounts with regards to payments, where the discharge of obligations arising from a payment system takes place;
- (35) ‘*nostro* agent’ means a bank used by the participants in a SIPS for settlement;
- (36) ‘one-sided payment’ means a payment involving only one funds transfer in one currency;
- (37) ‘two-sided payment’ means a payment involving two funds transfers in different currencies in an exchange-for-value settlement system;
- (38) ‘wrong-way risk’ means risk arising from exposure to a participant or issuer when the collateral provided by that participant or issued by that issuer is highly correlated with its credit risk;
- (39) ‘business day’ has the same meaning as defined in Article 2(n) of Directive 98/26/EC;

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- (40) ‘independent director’ means a non-executive member of the Board who has no business, family or other relationship that raises a conflict of interests regarding the SIPS or SIPS operator, their controlling shareholders, their management or their participants, and who has had no such relationship during the two years preceding their membership of the Board;
- (41) ‘affiliate’ means a company that controls, or is controlled by, or is under control with, the participant. Control of a company is defined as (a) ownership, control or holding of 20 % or more of a class of voting securities of the company; or (b) consolidation of the company for financial reporting purposes;
- (42) ‘emergency situation’ means an event, occurrence or circumstance that has the capacity to lead to the loss of or disruption to a SIPS's operations, services, or functions, including interfering with or preventing final settlement;

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- (43) ‘financial obligations’ means legal obligations arising, within the SIPS, between participants or between participants and the SIPS operator, as a consequence of transfer orders being entered into that SIPS;
- (44) ‘corrective measure’ means a specific measure or action, regardless of its form, duration or gravity, that is imposed on a SIPS operator by a competent authority to remedy, or avoid a repetition of, non-compliance with the requirements of Articles 3 to 21.

**▼ B***Article 3***Legal soundness**

1. A SIPS operator shall assess whether the applicable law in all relevant legal systems provides a high degree of certainty for and supports each material aspect of the activities of its SIPS.
2. A SIPS operator shall establish SIPS rules and procedures and enter into contracts, which are clear and consistent with the applicable law in all relevant legal systems.
3. A SIPS operator shall be able to specify the applicable law, rules, procedures and contracts for the operation of a SIPS to the competent authority, participants, and, where relevant, participants' customers, in a clear and understandable way.
4. A SIPS operator shall take measures to ensure that its rules, procedures, and contracts are enforceable in all relevant legal systems, and that the actions it takes under such rules, procedures and contracts will not be voided, reversed, or subject to stays.
5. A SIPS operator conducting business in more than one legal system shall identify and mitigate the risks arising from any potential conflict of laws.
6. A SIPS operator shall use its best efforts to ensure the SIPS's designation under Directive 98/26/EC.

*Article 4***Governance**

1. A SIPS operator shall have documented objectives which place a high priority on the safety and efficiency of the SIPS. The objectives shall explicitly support financial stability and other relevant public interest considerations, in particular open and efficient financial markets.

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2. A SIPS operator shall have effective and documented governance arrangements that provide clear and direct lines of responsibility and accountability. These arrangements shall be made available to the competent authority, owners and participants. The SIPS operator shall make abridged versions thereof available to the public.

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3. The Board's roles and responsibilities shall be clearly defined. The Board's roles and responsibilities shall include all of the following:

- (a) establishing clear strategic aims for the SIPS;
- (b) establishing documented procedures for the SIPS' functioning, including procedures to identify, address and manage conflicts of interest of its members;
- (c) with the exception of Eurosystem SIPS, ensuring the effective selection, monitoring, and, where appropriate, removal of members of Management;
- (d) with the exception of Eurosystem SIPS, establishing appropriate compensation policies, consistent with best practices and based on long-term achievements.

4. Except for Eurosystem SIPS, the Board shall review both its overall performance and the performance of its individual Board members at least annually.

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5. The Board's composition shall ensure integrity and, except for Eurosystem SIPS, an appropriate mix of technical skills, knowledge and experience both of SIPS and of the financial market in general, allowing the Board to fulfil its roles and responsibilities. The composition shall also take into account the allocation of competences in accordance with national law. Except for Eurosystem SIPS, and if permitted by national law, the Board shall include non-executive board members, including at least one independent director.

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6. Management's role, responsibilities and reporting lines shall be clearly defined. The composition shall ensure integrity and an appropriate mix of technical skills, knowledge and experience both of SIPS and of the financial market in general, allowing Management to fulfil its responsibilities for the operation and risk management of the SIPS operator. Management's responsibilities shall include, under Board direction, ensuring all of the following:

- (a) that the SIPS operator's activities are consistent with its objectives, strategy and risk tolerance;

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- (b) that internal controls and related procedures are appropriately designed, executed and overseen in order to promote the SIPS operator's objectives;
- (c) that internal controls and related procedures are subject to regular review and testing by well-trained and sufficiently staffed risk-management and internal-audit functions;
- (d) active involvement in the risk-control process;
- (e) that sufficient resources are allocated to the SIPS's risk-management framework.

7. The Board shall establish and oversee a documented risk-management framework, which shall:

- (a) include the SIPS operator's risk-tolerance policy;
- (b) assign responsibilities and accountability for risk decisions;
- (c) address decision making in crises and emergencies;
- (d) address internal control functions.

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The Board shall ensure that there are three clear and effective lines of defence (operations, risk management and internal audit), which are separate from each other and have sufficient authority, independence, resources and access to the Board.

7a. The Board's approval shall be required for decisions that have a significant impact on the SIPS's risk profile and for the key risk documents governing the SIPS's operations. As a minimum, the Board shall approve and annually review the comprehensive risk management framework referred to in Article 5(1), the operational risk framework and the associated business continuity plan referred to in Articles 15(1) and 15(5) respectively, the recovery and orderly wind-down plan and the capital plan referred to in Articles 5(4) and 13(6) respectively, the frameworks on credit and liquidity risk referred to in Articles 6(1) and 8(1) respectively, the collateral framework that governs the management of risks referred to in Article 7, the SIPS's investment strategy referred to in Article 14(4), and the cyber resilience framework referred to in Article 15(4a).

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8. The Board shall ensure that major decisions affecting the SIPS's technical and functional setup, rules and overall strategy, in particular, with regard to choice of a clearing and settlement arrangement, operating structure, scope of products cleared or settled, and use of technology and procedures, appropriately reflect the legitimate interests of the SIPS's relevant stakeholders. The relevant stakeholders and, where appropriate, the public shall be consulted reasonably in advance on such decisions.

**▼B***Article 5***Framework for the comprehensive management of risks**

1. A SIPS operator shall establish and maintain a sound risk-management framework to comprehensively identify, measure, monitor and manage the range of risks that arise in or are borne by the SIPS. It shall review the risk-management framework at least annually. The risk-management framework shall:

- (a) include the SIPS operator's risk-tolerance policy and appropriate risk-management tools;
- (b) assign responsibility and accountability for risk decisions;
- (c) address decision-making in emergency situations relating to a SIPS, including developments in financial markets potentially having an adverse effect on market liquidity and the stability of the financial system in any Member State whose currency is the euro where the SIPS operator or one of the participants are established.

2. A SIPS operator shall provide incentives to participants and, where relevant, their customers to manage and limit the risks they pose to and bear from the SIPS. With regard to participants, such incentives shall include an effective, proportionate and dissuasive financial penalties regime or loss-sharing arrangements, or both.

3. A SIPS operator shall review the material risks the SIPS bears from and poses to other entities, including, inter alia, FMIs, settlement banks, liquidity providers and service providers, as a result of interdependencies at least annually. The SIPS operator shall develop risk-management tools that are robust and proportionate to the identified level of risk.

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4. A SIPS operator shall define the SIPS's critical operations and services. The SIPS operator shall identify specific scenarios that may prevent it from being able to provide these critical operations and services as a going concern and shall assess the effectiveness of all options for recovery and, with the exception of Eurosystem SIPS, an orderly wind-down. It shall review the SIPS's critical operations and services at least annually. Based on this assessment, a SIPS operator shall prepare a viable plan for the SIPS's recovery and, except for Eurosystem SIPS, an orderly wind-down. The recovery and orderly wind-down plan shall contain, inter alia, a substantive summary of the key recovery and orderly wind-down strategies, a restatement of the SIPS's critical operations and services, and a description of the measures needed to implement the key strategies. A SIPS operator shall, where applicable, provide the relevant authorities with the information needed for the purposes of resolution planning.

**▼ M1***Article 6***Credit risk**

1. A SIPS operator shall establish a robust framework to measure, monitor and manage its credit exposures to its participants and credit exposures among participants arising from the SIPS payment, clearing and settlement processes.

2. A SIPS operator shall identify all sources of credit risk. The measurement and monitoring of credit exposures shall take place throughout the day, using timely information and appropriate risk management tools.

2a. A SIPS operator operating a DNS system shall ensure that

(a) financial obligations are established no later than the moment at which a transfer order is included in the calculation of the net settlement positions accessible to each participant; and

(b) sufficient resources are held to cover the resulting credit exposures in accordance with paragraphs 3 and 4 at the latest at the moment referred to in point (a).

3. A SIPS operator, including one operating a DNS system with a settlement guarantee, that in the course of SIPS operations incurs credit exposure vis-à-vis its participants, shall cover its credit exposure to each participant using collateral, guarantee funds, equity (after deduction of the amount dedicated to cover general business risk) or other equivalent financial resources.

4. A SIPS operator, including one operating a DNS system with no settlement guarantee, but in which participants face credit exposures arising from the SIPS payment, clearing and settlement processes, shall have in place rules or contractual arrangements with these participants. The rules or contractual arrangements shall ensure that the participants provide sufficient resources, as referred to in paragraph 3, to cover credit exposures resulting from the SIPS payment, clearing and settlement processes in relation to the two participants which, together with their affiliates, have the largest aggregate credit exposure.

5. A SIPS operator shall establish rules and procedures to address losses directly resulting from defaults by one or more participants on their obligations to the SIPS. These rules and procedures shall address the allocation of potentially uncovered losses, including the repayment of any funds a SIPS operator may borrow from liquidity providers. They shall include the SIPS operator's rules and procedures concerning the replenishment of any financial resources used by the SIPS during a stress event, to the level laid down in paragraphs 3 and 4.

**▼B***Article 7***Collateral**

1. A SIPS operator shall only accept the following assets as collateral: (a) cash; and (b) assets with low credit, liquidity and market risks, i.e. assets for which the SIPS operator can demonstrate to the competent authority based on an adequate internal assessment that they meet all of the following conditions:

- (i) they have been issued by an issuer with low credit risk;
- (ii) they are freely transferable without any legal constraint or third party claims;
- (iii) they are denominated in a currency the risk of which is managed by the SIPS operator;
- (iv) they have reliable price data published on a regular basis;
- (v) they are not otherwise subject to significant wrong-way risk;
- (vi) they are not issued by the participant providing the collateral or an entity that is part of the same group as that participant, except in the case of a covered bond and only where the assets in the cover pool are appropriately segregated within a robust legal framework and satisfy the requirements set out in points (i) to (v).

In performing the internal assessment of points (i) to (vi), the SIPS operator shall define, document and apply an objective methodology.

2. A SIPS operator shall establish and implement policies and procedures to monitor the credit quality, market liquidity and price volatility of each asset accepted as collateral. A SIPS operator shall monitor on a regular basis, and at least annually, the adequacy of its valuation policies and procedures. Such review shall also be carried out whenever a material change occurs that affects the SIPS's risk exposure. A SIPS operator shall mark-to-market its collateral at least on a daily basis.

3. A SIPS operator shall establish stable and conservative haircuts and shall test them at least annually and take into account stressed market conditions. Haircut procedures shall be validated by personnel other than those who created and applied the haircut procedures at least annually.

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4. A SIPS operator shall take measures to avoid concentrated holdings of certain assets where this would significantly impair the ability to liquidate such assets quickly without significant adverse price effects.
5. A SIPS operator that accepts cross-border collateral shall identify and mitigate the risks associated with its use and ensure that the cross-border collateral can be used in a timely manner.
6. A SIPS operator shall use an effective and operationally flexible collateral management system.
7. Paragraph 1 shall not apply to Eurosystem SIPS.

**▼M1***Article 8***Liquidity risk**

1. A SIPS operator shall establish a comprehensive framework to manage liquidity risks posed by the SIPS's participants, settlement banks, *nostro* agents, custodian banks, liquidity providers and other relevant entities. The SIPS operator shall provide the participants with adequate tools to effectively manage their liquidity and shall monitor and facilitate the smooth flow of liquidity in the system.
2. A SIPS operator shall put in place operational and analytical tools which enable it to identify, measure and monitor settlement and funding flows, including the use of intraday liquidity, on an ongoing and timely basis.
  - 2a. A SIPS operator operating a DNS system shall ensure that
    - (a) financial obligations are established no later than the moment at which a transfer order is included in the calculation of the net settlement positions accessible to each participant; and
    - (b) sufficient liquid resources are held in accordance with paragraphs 3 to 6 at the latest at the moment referred to in point (a).
3. A SIPS operator shall hold, or ensure that participants hold, sufficient liquid resources at all times as from the moment financial obligations are established, in all currencies in which it operates, to effect same-day settlement of financial obligations in a wide range of potential stress scenarios. Where appropriate, this shall include intraday or multiday settlement. The stress scenarios shall include: (a) the default, under extreme but plausible market conditions, of the participant which, together with its affiliates, has the largest aggregate financial obligation; and (b) other scenarios in accordance with paragraph 11.

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4. A SIPS operator settling one-sided payments in euro shall hold, or ensure that participants hold, sufficient liquid resources, in accordance with paragraph 3, to effect timely settlement of financial obligations in the event of a default of the participant which, together with its affiliates, has the largest aggregate financial obligation as determined by paragraph 3(a), in any of the following ways:

- (a) in cash with the Eurosystem; or
- (b) in eligible collateral as defined in the collateral framework of the Eurosystem laid down in Guideline (EU) 2015/510 of the European Central Bank (ECB/2014/60) <sup>(1)</sup> and Guideline ECB/2014/31 of the European Central Bank <sup>(2)</sup> provided that the SIPS operator can demonstrate that such collateral is readily available and convertible into cash on a same-day basis using prearranged and highly reliable funding arrangements, including in stressed market conditions.

5. A SIPS operator settling one-sided payments in euro shall hold, or ensure that participants hold, additional liquid resources, in accordance with paragraph 3(b), in the ways referred to in paragraph 4 or with a creditworthy commercial bank in one or more of the following instruments:

- (a) committed lines of credit;
- (b) committed foreign exchange swaps;
- (c) committed repos;
- (d) assets meeting the requirements of Article 7(1), which are held by a custodian;
- (e) investments.

All of these instruments must allow cash to be available within a timeframe that allows the completion of same-day settlement. In particular, the SIPS operator must be able to demonstrate that non-cash instruments are readily available and convertible into cash on a same-day basis using prearranged and highly reliable funding arrangements, including in stressed market conditions.

The SIPS operator shall be prepared to demonstrate to the competent authority, based on an adequate internal assessment, that the commercial bank is creditworthy.

<sup>(1)</sup> Guideline (EU) 2015/510 of the European Central Bank of 19 December 2014 on the implementation of the Eurosystem monetary policy framework (ECB/2014/60) (OJ L 91, 2.4.2015, p. 3).

<sup>(2)</sup> Guideline ECB/2014/31 of the European Central Bank of 9 July 2014 on additional temporary measures relating to Eurosystem refinancing operations and eligibility of collateral and amending Guideline ECB/2007/9 (OJ L 240, 13.8.2014, p. 28).

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6. A SIPS operator settling two-sided payments, or one-sided payments in currencies other than euro, shall hold, or ensure that participants hold, sufficient liquid resources, in accordance with paragraph 3, in the ways referred to in paragraph 5.

7. Where a SIPS operator supplements the resources referred to in paragraph 3 with other assets, these assets shall be likely to be marketable or acceptable as collateral (for, e.g., lines of credit, swaps, or repos) on an ad hoc basis following a default, even if this cannot be reliably prearranged or guaranteed under extreme but plausible market conditions. Where a participant supplements the resources referred to in paragraph 3 with other assets, the SIPS operator shall ensure that these other assets meet the requirements set out in the first sentence of this paragraph. Assets shall be presumed to be likely to be marketable or acceptable as collateral if the SIPS operator has taken into account the rules and practices of the relevant central bank on the eligibility of collateral.

8. A SIPS operator shall not assume that emergency central bank credit will be available.

9. A SIPS operator shall carry out due diligence to verify that each provider of the SIPS's liquid resources, as referred to in paragraph 3: (a) has sufficient and up-to-date information to understand and to manage the liquidity risks associated with the provision of cash or assets; and (b) has the capacity to provide cash or assets as required. The SIPS operator shall review its compliance with the due diligence obligation at least annually. Only entities with access to credit from the central bank of issue shall be accepted as liquidity providers. The SIPS operator shall regularly test the SIPS's procedures for accessing its liquid resources.

10. A SIPS operator with access to central bank accounts, payment services or securities services shall use these services, where practicable.

11. A SIPS operator shall, through rigorous stress testing, determine the amount and regularly test the sufficiency of its liquid resources to satisfy the requirements under paragraphs 3 and 4. In conducting stress testing, the SIPS operator shall consider a wide range of relevant scenarios, including one or more participant defaults on the same day and on two or more subsequent days.

When such scenarios are considered, the design and operation of the SIPS shall be taken into account and all entities that might pose material liquidity risks to the SIPS shall be examined, including settlement banks, *nostro* agents, custodian banks, liquidity providers and linked FMIs. Where appropriate, the scenarios shall cover a multiday period.

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12. A SIPS operator shall document its reasons for holding, and shall have appropriate governance arrangements relating to, the cash and other assets maintained by it or by participants. It shall establish clear procedures for reporting the results of its stress tests to the Board and shall use these results to evaluate the adequacy of and make adjustments to its liquidity risk-management framework.

13. A SIPS operator shall establish clear rules and procedures enabling the SIPS to effect same-day and, where appropriate, timely intraday and multiday settlement of financial obligations following the default of one or more of its participants. These rules and procedures shall:

- (a) address unforeseen and potentially uncovered liquidity shortfalls;
- (b) aim to avoid the unwinding, revocation or delay of same-day settlement of financial obligations;
- (c) indicate how to replenish the cash and other assets used by the SIPS during a stress event, to the extent required pursuant to paragraphs 3 to 5.

**▼ B***Article 9***Final settlement**

A SIPS operator shall establish rules and procedures to enable final settlement to take place no later than the end of the intended settlement date.

*Article 10***Money settlements****▼ M1**

1. A SIPS operator settling one-sided payments in euro shall ensure that final settlement takes place in central bank money. A SIPS operator settling payments for other SIPS shall endeavour to enable such other SIPS to settle even in emergency situations.

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2. A SIPS operator settling two-sided payments or one-sided payments in currencies other than euro shall ensure that final settlement takes place in central bank money where practicable and available.

3. If central bank money is not used, a SIPS operator shall ensure that money settlements take place using a settlement asset with little or no credit and liquidity risk.

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4. If a settlement takes place in commercial bank money, the SIPS operator shall monitor, manage, and limit credit and liquidity risks arising from the commercial settlement banks. In particular, the SIPS operator shall establish and monitor adherence to strict criteria for its settlement banks that take account of, among other things, their regulation and supervision, creditworthiness, capitalisation, access to liquidity, and operational reliability. The SIPS operator shall also monitor and manage the concentration of credit and liquidity exposures to the SIPS's commercial settlement banks.

5. If a SIPS operator conducts money settlements on its own books, it shall minimise and strictly control its credit and liquidity risks.

6. If a settlement takes place in commercial bank money, a SIPS operator's legal agreements with any commercial settlement banks shall state clearly:

- (a) when transfers on the books of individual settlement banks are expected to occur;
- (b) that transfers are to be final when effected;
- (c) that funds received shall be transferable as soon as possible, at least by the end of the day.

*Article 11***Payment versus payment**

A SIPS operator using a payment versus payment mechanism shall eliminate principal risk by ensuring that the final settlement of one obligation occurs if and only if the final settlement of the linked obligation also occurs. This rule shall be followed regardless of whether settlement takes place on a gross or net basis and when finality occurs.

*Article 12***Participant-default rules and procedures**

1. A SIPS operator shall establish a definition of participant default in the SIPS rules and procedures, which shall include, as a minimum, a participant's failure to meet its financial obligations when they fall due, as a result, inter alia, of operational reasons, breach of agreement, or the commencement of insolvency proceedings against such participant. A SIPS operator shall distinguish between automatic and discretionary default. In the case of discretionary default, the SIPS operator shall specify which entity shall exercise that discretion. It shall review this definition at least annually.

**▼ B**

2. A SIPS operator shall have default rules and procedures that enable it to continue to meet its obligations in the event of a participant default, which address the replenishment of resources following a default. The rules and procedures shall define, as a minimum, all of the following:

- (a) the actions that a SIPS operator can take when a default occurs;
- (b) whether taking such actions is automatic or discretionary and the means by which that discretion is exercised;
- (c) potential changes to a SIPS operator's normal settlement practices to ensure timely settlement;
- (d) the management of payments at different stages of processing;
- (e) the probable sequencing of actions;
- (f) the roles, obligations and responsibilities of the relevant parties, including non-defaulting participants;
- (g) other mechanisms to be activated to limit the impact of a default.

3. A SIPS operator shall be prepared to implement its default rules and procedures, including any appropriate discretionary procedures provided for in its rules. A SIPS operator shall ensure, inter alia, that:

- (a) it has the operational capacity, including sufficient well-trained personnel, to implement the procedures outlined in paragraph 2 in a timely manner; and
- (b) the SIPS's rules and procedures address documentation, information and communication needs, and, when more than one FMI or authority is involved, coordination.

4. A SIPS operator shall publicly disclose the key aspects of the rules and procedures outlined in paragraph 2, including, as a minimum, all of the following:

- (a) the circumstances in which action shall be taken;
- (b) who shall take those actions;
- (c) the scope of the actions which shall be taken;
- (d) the mechanisms to address a SIPS operator's obligations towards non-defaulting participants.

**▼B**

5. A SIPS operator shall test and review the SIPS rules and procedures outlined in paragraph 2 at least annually or after any material changes to the SIPS affecting those rules and procedures. A SIPS operator shall involve SIPS participants and relevant stakeholders in such testing and review.

**▼M1***Article 13***General business risk**

1. A SIPS operator shall establish robust management and control systems to identify, monitor and manage general business risks, including losses resulting from poor execution of business strategy, negative cash flows, or unexpected and excessively large operating expenses.

2. A SIPS operator shall maintain a viable recovery and, except for Eurosystem SIPS, orderly wind-down plan as required under Article 5(4).

3. A SIPS operator shall determine, based on its general business risk profile and the time required to achieve a recovery and/or orderly wind-down of its critical operations and services, the amount of assets required to implement the plan referred to in paragraph 2. This amount shall be no less than that represented by six months of current operating expenses.

4. To cover the amount referred to in paragraph 3, a SIPS operator shall hold liquid net assets funded by equity, e.g. common stock, disclosed reserves or other retained earnings, to enable it to continue operations and services as a going concern. These assets shall be in addition to resources held to cover participant default or other risks covered under Articles 6 and 8. Equity held under international risk-based capital standards may be included to avoid duplicate capital requirements.

5. Assets as referred to in paragraph 4 held to cover general business risk shall be of sufficient liquidity and quality to be available in a timely manner, and shall be segregated from the SIPS operator's assets used for daily operations. The SIPS operator shall be able to realise assets held to cover general business risk with little, if any, adverse price effect, to enable it to continue operations and services as a going concern if it incurs general business losses.

**▼M1**

6. A SIPS operator shall establish a viable capital plan for raising additional equity if its equity falls close to or below the amount referred to in paragraph 3.
7. Paragraphs 3 to 6 shall not apply to Eurosystem SIPS.

**▼B***Article 14***Custody and investment risks**

1. A SIPS operator shall hold its own and participants' assets with supervised and regulated entities (hereinafter the 'custodians'), that have accounting practices, safekeeping procedures and internal controls that fully protect these assets against the risk of loss in the event of a custodian's or sub-custodian's insolvency, negligence, fraud, poor administration or inadequate recordkeeping.
2. A SIPS operator shall have timely access to its assets and the assets provided by the participants.
3. A SIPS operator shall evaluate and understand its exposures to its custodian banks, taking into account the full scope of its relationships with each.
4. A SIPS operator shall establish its investment strategy, which shall be consistent with its overall risk-management strategy and fully disclosed to the participants. It shall review the investment strategy at least annually.
5. A SIPS operator's investments under its investment strategy shall be secured by, or be claims on, high-quality obligors. A SIPS operator shall define the criteria for high-quality obligors. Investments shall be in instruments with minimal credit, market and liquidity risks.
6. Paragraphs 3 to 5 shall not apply to Eurosystem SIPS.

*Article 15***Operational risk**

1. A SIPS operator shall establish a robust framework with appropriate systems, policies, procedures and controls to identify, monitor and manage operational risk.

**▼M1**

- 1a. A SIPS operator shall review, audit, and test systems, operational policies, procedures and controls periodically and after significant changes.

**▼ B**

2. A SIPS operator shall establish service level and operational reliability objectives and policies designed to achieve those objectives. It shall review the objectives and policies at least annually.

3. A SIPS operator shall ensure that a SIPS, at all times, has scalable capacity to handle increases in payment volumes that occur due to stress events, and that it can achieve its service level objectives.

4. A SIPS operator shall establish comprehensive physical and information security policies that adequately identify, assess and manage all potential vulnerabilities and threats. It shall review the policies at least annually.

**▼ M1**

4a. A SIPS operator shall establish an effective cyber resilience framework with appropriate governance measures in place to manage cyber risk. The SIPS operator shall identify its critical operations and supporting assets, and have appropriate measures in place to protect them from, detect, respond to and recover from cyber attacks. These measures shall be regularly tested. The SIPS operator shall ensure it has a sound level of situational awareness of cyber threats. The SIPS operator shall ensure that there is a process of continuous learning and evolving to enable it to adapt its cyber resilience framework to the dynamic nature of cyber risks, in a timely manner, whenever needed.

**▼ B**

5. A SIPS operator shall establish a business continuity plan that addresses events posing a significant risk of disrupting the SIPS' operations. The plan shall include the use of a secondary site and be designed to ensure that critical information technology systems can resume operations within two hours of those events. The plan shall be designed in such a way that the SIPS is always able to settle all payments due by the end of the business day on which the disruption occurs. The SIPS operator shall test the plan and review it at least annually.

6. A SIPS operator shall identify critical participants based, in particular, on payment volumes and values and their potential impact on other participants and the SIPS as a whole, in the event of a significant operational problem experienced by such participants.

7. A SIPS operator shall identify, monitor, and manage the risks that critical participants, other FMIs, and service and utility providers might pose to the SIPS' operations.

**▼ M1***Article 16***Access and participation criteria**

1. A SIPS operator shall establish and publicly disclose non-discriminatory access and participation criteria to the SIPS's services for direct and, where relevant, indirect participants and for other FMIs. It shall review the criteria at least annually.

2. The access and participation criteria referred to in paragraph 1 shall be justified in terms of the safety and efficiency of the SIPS and the markets it serves, and be tailored to and commensurate with the SIPS's specific risks. In compliance with the principle of proportionality, a SIPS operator shall set requirements that restrict access to the minimum possible extent. If a SIPS operator denies access to an applying entity, it shall give reasons in writing, based on a comprehensive risk analysis.

3. A SIPS operator shall monitor participants' compliance with the SIPS's access and participation criteria on an ongoing basis. It shall establish non-discriminatory procedures to facilitate the suspension and orderly termination of a participant's right of participation where the participant fails to comply with the criteria and shall publicly disclose relevant key aspects of such procedures. It shall review the procedures at least annually.

**▼ B***Article 17***Tiered participation arrangements****▼ M1**

1. For the purpose of risk management, a SIPS operator shall ensure that the SIPS's rules, procedures and contractual arrangements allow it to gather information about indirect participation in order to identify, monitor and manage any material risks to the SIPS arising from participation. This information shall, as a minimum, cover the following:

- (a) the activity that direct participants conduct on their own behalf and on behalf of indirect participants in proportion to the activity at system level;
- (b) the number of indirect participants that settle via individual direct participants;
- (c) the volumes and values of payments in the SIPS originating from each indirect participant;
- (d) the volumes and values of payments referred to in point (c) in proportion to those of the direct participant through which the indirect participant accesses the SIPS.

2. A SIPS operator shall identify material dependencies between direct and indirect participants that might affect the SIPS, taking into account the information referred to in paragraph 1.

**▼B**

3. A SIPS operator shall identify indirect participants who pose material risks to the SIPS and the direct participants through which they access the SIPS with a view to managing these risks.

4. A SIPS operator shall review the risks arising from tiered participation arrangements at least annually. It shall take mitigating action when needed to ensure that the risks are properly managed.

*Article 18***Efficiency and effectiveness**

1. A SIPS operator shall have a process to identify and meet the needs of the markets the SIPS serves, in particular, with regard to:

- (a) choice of a clearing and settlement arrangement;
- (b) operating structure;
- (c) scope of products cleared or settled;
- (d) use of technology and procedures.

2. A SIPS operator shall have clearly defined goals and objectives that are measurable and achievable, such as in the areas of minimum service levels, risk-management expectations and business priorities.

3. A SIPS operator shall have established mechanisms for the regular, at least annual, review of the requirements laid down in paragraphs 1 and 2.

*Article 19***Communication procedures and standards**

A SIPS operator shall use or accommodate, relevant internationally accepted communication procedures and standards in order to facilitate efficient payment, clearing, settlement and recording.

*Article 20***Disclosure of rules, key procedures and market data**

1. A SIPS operator shall adopt clear and comprehensive rules and procedures that are fully disclosed to participants. Relevant rules and key procedures shall also be publicly disclosed.

2. A SIPS operator shall disclose clear descriptions of the system's design and operations, as well as the SIPS operator's and participants' rights and obligations, so that participants can assess the risks they would incur by participating in the SIPS.

**▼ B**

3. A SIPS operator shall provide all necessary and appropriate documentation and training to facilitate participants' understanding of the SIPS' rules and procedures and the risks they face from participating in the SIPS.

4. A SIPS operator shall publicly disclose the SIPS's fees at the level of individual services it offers as well as its discount policies. The SIPS operator shall provide clear descriptions of priced services for comparability purposes.

5. A SIPS operator shall complete and disclose publicly responses to the CPSS-IOSCO Disclosure framework for financial market infrastructures. It shall update its responses following material changes to the system or its environment, but at least every two years. A SIPS operator shall also, at a minimum, disclose basic data on transaction volumes and values.

**▼ M1***Article 21***Powers of a competent authority**

1. A competent authority shall have the power to:
  - (a) obtain, at any time, from a SIPS operator all of the information and documents necessary to assess compliance with the requirements under this Regulation or to promote the smooth operation of payment systems at systemic level. The SIPS operator shall report the relevant information to the competent authority without undue delay;
  - (b) require a SIPS operator to appoint an independent expert to perform an investigation or independent review on the operation of the SIPS. The competent authority may impose requirements concerning the type of expert to be appointed, the content and scope of the report to be produced, the treatment of the report, including disclosure and publication of certain elements, and timing for the production of the report. A SIPS operator shall inform the competent authority how the imposed requirements have been satisfied;
  - (c) conduct on-site inspections or delegate the carrying out of on-site inspections. Where the proper conduct and efficiency of an inspection so requires, the competent authority may carry it out without prior announcement.
2. The ECB shall adopt a decision on the procedure and conditions for exercising the powers referred to in paragraph 1.

**▼ M1***Article 21a***Organisation of oversight activities**

A competent authority may carry out continuous and/or ad hoc oversight activities to assess the compliance by a SIPS operator with the requirements set out in Articles 3 to 21 or to promote the smooth operation of payment systems at systemic level.

*Article 21b***Confidentiality**

Information shared by a SIPS operator with a competent authority on a confidential basis may be shared within the European System of Central Banks (ESCB). Such information shall be treated as confidential by the members of the ESCB, in accordance with the duty of professional secrecy laid down in Article 37.1 of the Statute of the ESCB.

*Article 22***Corrective measures**

1. Where a SIPS operator has not complied with this Regulation or where there are reasonable grounds for suspecting that a SIPS operator has not complied with this Regulation, the competent authority shall:

- (a) give written notice to the SIPS operator of the nature of the non-compliance or suspected non-compliance; and
- (b) give the SIPS operator the opportunity to be heard and to provide explanations.

2. Taking into account the information provided by the SIPS operator, the competent authority may impose corrective measures on the SIPS operator to remedy the non-compliance and/or avoid repeating it.

3. The competent authority may impose corrective measures immediately if it finds that the non-compliance is serious enough to require immediate action. It shall provide reasons for its decision.

4. A competent authority other than the ECB shall inform the ECB of its intention to impose corrective measures on a SIPS operator without undue delay.

5. Corrective measures may be imposed independently of or in parallel to sanctions imposed under Council Regulation (EC) No 2532/98 <sup>(1)</sup>.

<sup>(1)</sup> Council Regulation (EC) No 2532/98 of 23 November 1998 concerning the powers of the European Central Bank to impose sanctions (OJ L 318, 27.11.1998, p. 4).

**▼ M1**

6. The ECB shall adopt a decision on the procedure to be followed if corrective measures are imposed.

*Article 23***Sanctions**

In the case of an infringement of this Regulation, the ECB may impose sanctions. Such sanctions shall be in accordance with Regulation (EC) No 2532/98 and Regulation (EC) No 2157/99 of the European Central Bank (ECB/1999/4) <sup>(1)</sup>. The ECB shall adopt a decision on the methodology for the calculation of the amount of the sanctions.

*Article 24***Review**

The Governing Council shall review the general application of this Regulation by no later than two years following the date on which it enters into force, and thereafter every three years, and assess whether it needs to be amended.

**▼ B***Article 25***Final provisions**

1. This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.
2. SIPS operators shall have one year from the date on which the decision of the Governing Council in accordance with Article 1(2) has been notified to them to comply with the requirements laid down in this Regulation.
3. This Regulation shall be binding in its entirety and directly applicable in the Member States in accordance with the Treaties.

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<sup>(1)</sup> Regulation (EC) No 2157/99 of the European Central Bank of 23 September 1999 on the powers of the European Central Bank to impose sanctions (ECB/1999/4) (OJ L 264, 12.10.1999, p. 21).