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THE EUROPEAN PARLIAMENT

THE COUNCIL

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**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
ON MARKETS IN CRYPTO-ASSETS,
AND AMENDING REGULATIONS (EU) No 1093/2010 AND (EU) No 1095/2010
AND DIRECTIVES 2013/36/EU AND (EU) 2019/1937**

REGULATION (EU) 2023/...
OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 31 May 2023

on markets in crypto-assets,
and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010
and Directives 2013/36/EU and (EU) 2019/1937

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 114 thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Central Bank¹,

Having regard to the opinion of the European Economic and Social Committee²,

Acting in accordance with the ordinary legislative procedure³,

¹ OJ C 152, 29.4.2021, p. 1.

² OJ C 155, 30.4.2021, p. 31.

³ Position of the European Parliament of 20 April 2023 (not yet published in the Official Journal and decision of the Council of 16 May 2023.

Whereas:

- (1) It is important to ensure that Union legislative acts on financial services are fit for the digital age, and contribute to a future-proof economy that works for people, including by enabling the use of innovative technologies. The Union has a policy interest in developing and promoting the uptake of transformative technologies in the financial sector, including the uptake of distributed ledger technology (DLT). It is expected that many applications of distributed ledger technology, including blockchain technology, that have not yet been fully studied will continue to result in new types of business activity and business models that, together with the crypto-asset sector itself, will lead to economic growth and new employment opportunities for Union citizens.
- (2) Crypto-assets are one of the main applications of distributed ledger technology. Crypto-assets are digital representations of value or of rights that have the potential to bring significant benefits to market participants, including retail holders of crypto-assets. Representations of value include external, non-intrinsic value attributed to a crypto-asset by the parties concerned or by market participants, meaning the value is subjective and based only on the interest of the purchaser of the crypto-asset. By streamlining capital-raising processes and enhancing competition, offers of crypto-assets could allow for an innovative and inclusive way of financing, including for small and medium-sized enterprises (SMEs). When used as a means of payment, crypto-assets can present opportunities in terms of cheaper, faster and more efficient payments, in particular on a cross-border basis, by limiting the number of intermediaries.

- (3) Some crypto-assets, in particular those that qualify as financial instruments as defined in Directive 2014/65/EU of the European Parliament and of the Council¹, fall within the scope of existing Union legislative acts on financial services. Therefore, a full set of Union rules already applies to issuers of such crypto-assets and to firms conducting activities related to such crypto-assets.
- (4) Other crypto-assets, however, fall outside of the scope of Union legislative acts on financial services. At present, there are no rules, other than those in respect of anti-money laundering, for the provision of services related to such unregulated crypto-assets, including for the operation of trading platforms for crypto-assets, the exchange of crypto-assets for funds or other crypto-assets, and providing custody and administration of crypto-assets on behalf of clients. The absence of such rules leaves holders of those crypto-assets exposed to risks, in particular in fields not covered by consumer protection rules. The absence of such rules can also result in substantial risks to market integrity, including in terms of market abuse as well as in terms of financial crime. To address those risks, some Member States have put in place specific rules for all, or a subset of, crypto-assets that fall outside the scope of Union legislative acts on financial services, and other Member States are considering whether to legislate in the field of crypto-assets.

¹ 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).

- (5) The absence of an overall Union framework for markets in crypto-assets can lead to a lack of user confidence in those assets, which could significantly hinder the development of a market in those assets and lead to missed opportunities in terms of innovative digital services, alternative payment instruments or new funding sources for Union companies. In addition, companies using crypto-assets would have no legal certainty on how their crypto-assets would be treated in the various Member States, which would undermine their efforts to use crypto-assets for digital innovation. The lack of an overall Union framework for markets in crypto-assets could also lead to regulatory fragmentation, which would distort competition in the internal market, make it more difficult for crypto-asset service providers to scale up their activities on a cross-border basis and would give rise to regulatory arbitrage. Markets in crypto-assets are still modest in size and do not at present pose a threat to financial stability. It is, however, possible that types of crypto-assets that aim to stabilise their price in relation to a specific asset or a basket of assets could in the future be widely adopted by retail holders, and such a development could raise additional challenges in terms of financial stability, the smooth operation of payment systems, monetary policy transmission or monetary sovereignty.

- (6) A dedicated and harmonised framework for markets in crypto-assets is therefore necessary at Union level in order to provide specific rules for crypto-assets and related services and activities that are not yet covered by Union legislative acts on financial services. Such a framework should support innovation and fair competition, while ensuring a high level of protection of retail holders and the integrity of markets in crypto-assets. A clear framework should enable crypto-asset service providers to scale up their businesses on a cross-border basis and facilitate their access to banking services to enable them to run their activities smoothly. A Union framework for markets in crypto-assets should provide for the proportionate treatment of issuers of crypto-assets and crypto-asset service providers, thereby giving rise to equal opportunities in respect of market entry and the ongoing and future development of markets in crypto-assets. It should also promote financial stability and the smooth operation of payment systems, and address monetary policy risks that could arise from crypto-assets that aim to stabilise their price in relation to a specific asset or basket of assets. Proper regulation maintains the competitiveness of the Member States on international financial and technological markets and provides clients with significant benefits in terms of access to cheaper, faster and safer financial services and asset management. The Union framework for markets in crypto-assets should not regulate the underlying technology. Union legislative acts should avoid imposing an unnecessary and disproportionate regulatory burden on the use of technology, since the Union and the Member States seek to maintain competitiveness on a global market.

- (7) The consensus mechanisms used for the validation of transactions in crypto-assets might have principal adverse impacts on the climate and other environment-related adverse impacts. Such consensus mechanisms should therefore deploy more environmentally-friendly solutions and ensure that any principal adverse impact that they might have on the climate, and any other environment-related adverse impact, are adequately identified and disclosed by issuers of crypto-assets and crypto-asset service providers. When determining whether adverse impacts are principal, account should be taken of the principle of proportionality and the size and volume of the crypto-asset issued. The European Supervisory Authority (European Securities and Markets Authority) (ESMA) established by Regulation (EU) No 1095/2010 of the European Parliament and of the Council¹, in cooperation with the European Supervisory Authority (European Banking Authority) (EBA) established by Regulation (EU) No 1093/2010 of the European Parliament and of the Council², should therefore be mandated to develop draft regulatory technical standards to further specify the content, methodologies and presentation of information in relation to sustainability indicators with regard to adverse impacts on climate and other environment-related adverse impacts, and to outline key energy indicators. The draft regulatory technical standards should also ensure coherence of disclosures by issuers of crypto-assets and by crypto-asset service providers. When developing the draft regulatory technical standards, ESMA should take into account the various types of consensus mechanisms used for the validation of transactions in crypto-assets, their characteristics and the differences between them. ESMA should also take into account existing disclosure requirements, ensure complementarity and consistency, and avoid increasing the burden on companies.

¹ 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).

² Regulation (EU) No 1093/2010 of the European Parliament and of the Council of 24 November 2010 establishing a European Supervisory Authority (European Banking Authority), amending Decision No 716/2009/EC and repealing Commission Decision 2009/78/EC (OJ L 331, 15.12.2010, p. 12).

- (8) Markets in crypto-assets are global and thus inherently cross-border. Therefore, the Union should continue to support international efforts to promote convergence in the treatment of crypto-assets and crypto-asset services through international organisations or bodies such as the Financial Stability Board, the Basel Committee on Banking Supervision and the Financial Action Task Force.

- (9) Union legislative acts on financial services should be guided by the principles of ‘same activities, same risks, same rules’ and of technology neutrality. Therefore, crypto-assets that fall under existing Union legislative acts on financial services should remain regulated under the existing regulatory framework, regardless of the technology used for their issuance or their transfer, rather than this Regulation. Accordingly, this Regulation expressly excludes from its scope crypto-assets that qualify as financial instruments as defined in Directive 2014/65/EU, those that qualify as deposits as defined in Directive 2014/49/EU of the European Parliament and of the Council¹, including structured deposits as defined in Directive 2014/65/EU, those that qualify as funds as defined in Directive (EU) 2015/2366 of the European Parliament and of the Council², except if they qualify as electronic money tokens (‘e-money tokens’), those that qualify as securitisation positions as defined in Regulation (EU) 2017/2402 of the European Parliament and of the Council³, and those that qualify as non-life or life insurance contracts, pension products or schemes and social security schemes. Having regard to the fact that electronic money and funds received in exchange for electronic money should not be treated as deposits in accordance with Directive 2009/110/EC of the European Parliament and of the Council⁴, e-money tokens cannot be treated as deposits that are excluded from the scope of this Regulation.

¹ Directive 2014/49/EU of the European Parliament and of the Council of 16 April 2014 on deposit guarantee schemes (OJ L 173, 12.6.2014, p. 149).

² 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).

³ Regulation (EU) 2017/2402 of the European Parliament and of the Council of 12 December 2017 laying down a general framework for securitisation and creating a specific framework for simple, transparent and standardised securitisation, and amending Directives 2009/65/EC, 2009/138/EC and 2011/61/EU and Regulations (EC) No 1060/2009 and (EU) No 648/2012 (OJ L 347, 28.12.2017, p. 35).

⁴ 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).

- (10) This Regulation should not apply to crypto-assets that are unique and not fungible with other crypto-assets, including digital art and collectibles. The value of such unique and non-fungible crypto-assets is attributable to each crypto-asset's unique characteristics and the utility it gives to the holder of the token. Nor should this Regulation apply to crypto-assets representing services or physical assets that are unique and non-fungible, such as product guarantees or real estate. While unique and non-fungible crypto-assets might be traded on the marketplace and be accumulated speculatively, they are not readily interchangeable and the relative value of one such crypto-asset in relation to another, each being unique, cannot be ascertained by means of comparison to an existing market or equivalent asset. Such features limit the extent to which those crypto-assets can have a financial use, thus limiting risks to holders and the financial system and justifying their exclusion from the scope of this Regulation.

- (11) The fractional parts of a unique and non-fungible crypto-asset should not be considered unique and non-fungible. The issuance of crypto-assets as non-fungible tokens in a large series or collection should be considered an indicator of their fungibility. The mere attribution of a unique identifier to a crypto-asset is not, in and of itself, sufficient to classify it as unique and non-fungible. The assets or rights represented should also be unique and non-fungible in order for the crypto-asset to be considered unique and non-fungible. The exclusion of crypto-assets that are unique and non-fungible from the scope of this Regulation is without prejudice to the qualification of such crypto-assets as financial instruments. This Regulation should also apply to crypto-assets that appear to be unique and non-fungible, but whose *de facto* features or whose features that are linked to their *de facto* uses, would make them either fungible or not unique. In that regard, when assessing and classifying crypto-assets, competent authorities should adopt a substance over form approach whereby the features of the crypto-asset in question determine the classification and not its designation by the issuer.
- (12) It is appropriate to exclude certain intragroup transactions and some public entities from the scope of this Regulation as they do not pose risks to investor protection, market integrity, financial stability, the smooth operation of payment systems, monetary policy transmission or monetary sovereignty. Public international organisations that are exempt include the International Monetary Fund and the Bank for International Settlements.

- (13) Digital assets issued by central banks acting in their monetary authority capacity, including central bank money in digital form, or crypto-assets issued by other public authorities, including central, regional and local administrations, should not be subject to the Union framework for markets in crypto-assets. Nor should related services provided by such central banks when acting in their monetary authority capacity or other public authorities be subject to that Union framework.

- (14) For the purposes of ensuring a clear delineation between, on the one hand, crypto-assets covered by this Regulation and, on the other hand, financial instruments, ESMA should be mandated to issue guidelines on the criteria and conditions for the qualification of crypto-assets as financial instruments. Those guidelines should also allow for a better understanding of the cases where crypto-assets that are otherwise considered unique and not fungible with other crypto-assets might qualify as financial instruments. In order to promote a common approach towards the classification of crypto-assets, EBA, ESMA and the European Supervisory Authority (European Insurance and Occupational Pensions Authority) (EIOPA), established by Regulation (EU) No 1094/2010 of the European Parliament and of the Council¹ (the ‘European Supervisory Authorities’ or ‘ESAs’) should promote discussions on such classification. Competent authorities should be able to request opinions from the ESAs on the classification of crypto-assets, including classifications proposed by offerors or persons seeking admission to trading. Offerors or persons seeking admission to trading are primarily responsible for the correct classification of crypto-assets, which might be challenged by the competent authorities, both before the date of publication of the offer and at any time thereafter. Where the classification of a crypto-asset appears to be inconsistent with this Regulation or other relevant Union legislative acts on financial services, the ESAs should make use of their powers under Regulations (EU) No 1093/2010, (EU) No 1094/2010 and (EU) No 1095/2010 in order to ensure a consistent and coherent approach to such classification.

¹ Regulation (EU) No 1094/2010 of the European Parliament and of the Council of 24 November 2010 establishing a European Supervisory Authority (European Insurance and Occupational Pensions Authority), amending Decision No 716/2009/EC and repealing Commission Decision 2009/79/EC (OJ L 331, 15.12.2010, p. 48).

(15) Pursuant to Article 127(2), fourth indent, of the Treaty on the Functioning of the European Union (TFEU), one of the basic tasks to be carried out through the European System of Central Banks (ESCB) is to promote the smooth operation of payment systems. The European Central Bank (ECB) may, pursuant to Article 22 of Protocol No 4 on the Statute of the European System of Central Banks and of the European Central Bank attached to the Treaties, make regulations to ensure efficient and sound clearing and payment systems within the Union and with other countries. To that end, the ECB has adopted regulations concerning requirements for systemically important payment systems. This Regulation is without prejudice to the responsibilities of the ECB and the national central banks in the ESCB to ensure efficient and sound clearing and payment systems within the Union and with third countries. Consequently, and in order to prevent the possible creation of parallel sets of rules, EBA, ESMA and the ECB should cooperate closely when preparing the relevant draft technical standards under this Regulation. Furthermore, it is crucial for the ECB and the national central banks to have access to information when fulfilling their tasks relating to the oversight of payment systems, including clearing of payments. In addition, this Regulation should be without prejudice to Council Regulation (EU) No 1024/2013¹ and should be interpreted in such a way that it is not in conflict with that Regulation.

¹ Council Regulation (EU) No 1024/2013 of 15 October 2013 conferring specific tasks on the European Central Bank concerning policies relating to the prudential supervision of credit institutions (OJ L 287, 29.10.2013, p. 63).

- (16) Any legislative act adopted in the field of crypto-assets should be specific and future-proof, be able to keep pace with innovation and technological developments and be founded on an incentive-based approach. The terms ‘crypto-assets’ and ‘distributed ledger technology’ should therefore be defined as widely as possible to capture all types of crypto-assets that currently fall outside the scope of Union legislative acts on financial services. Any legislative act adopted in the field of crypto-assets should also contribute to the objective of combating money laundering and terrorist financing. For that reason, entities offering services falling within the scope of this Regulation should also comply with applicable anti-money laundering and counter-terrorist financing rules of the Union, which integrate international standards.
- (17) Digital assets that cannot be transferred to other holders do not fall within the definition of crypto-assets. Therefore, digital assets that are accepted only by the issuer or the offeror and that are technically impossible to transfer directly to other holders should be excluded from the scope of this Regulation. An example of such digital assets includes loyalty schemes where the loyalty points can be exchanged for benefits only with the issuer or offeror of those points.

- (18) This Regulation classifies crypto-assets into three types, which should be distinguished from one another and subject to different requirements depending on the risks they entail. The classification is based on whether the crypto-assets seek to stabilise their value by reference to other assets. The first type consists of crypto-assets that aim to stabilise their value by referencing only one official currency. The function of such crypto-assets is very similar to the function of electronic money as defined in Directive 2009/110/EC. Like electronic money, such crypto-assets are electronic surrogates for coins and banknotes and are likely to be used for making payments. Those crypto-assets should be defined in this Regulation as ‘e-money tokens’. The second type of crypto-assets concerns ‘asset-referenced tokens’, which aim to stabilise their value by referencing another value or right, or combination thereof, including one or several official currencies. That second type covers all other crypto-assets, other than e-money tokens, whose value is backed by assets, so as to avoid circumvention and to make this Regulation future-proof. Finally, the third type consists of crypto-assets other than asset-referenced tokens and e-money tokens, and covers a wide variety of crypto-assets, including utility tokens.

(19) At present, despite their similarities, electronic money and crypto-assets referencing an official currency differ in some important aspects. Holders of electronic money as defined in Directive 2009/110/EC are always provided with a claim against the electronic money issuer and have a contractual right to redeem, at any moment and at par value, the monetary value of the electronic money held. By contrast, some crypto-assets referencing an official currency do not provide their holders with such a claim against the issuers of such crypto-assets and could fall outside the scope of Directive 2009/110/EC. Other crypto-assets referencing an official currency do not provide a claim at par value with the currency they are referencing or they limit the redemption period. The fact that holders of such crypto-assets do not have a claim against the issuers of such crypto-assets, or that such claim is not at par value with the currency those crypto-assets are referencing, could undermine the confidence of holders of those crypto-assets. Accordingly, to avoid circumvention of the rules laid down in Directive 2009/110/EC, any definition of e-money tokens should be as wide as possible to capture all types of crypto-assets referencing a single official currency. In addition, strict conditions on the issuance of e-money tokens should be laid down, including an obligation for e-money tokens to be issued either by a credit institution authorised under Directive 2013/36/EU of the European Parliament and of the Council¹, or by an electronic money institution authorised under Directive 2009/110/EC. For the same reason, issuers of e-money tokens should ensure that holders of such tokens can exercise their right to redeem their tokens at any time and at par value against the currency referencing those tokens. Because e-money tokens are crypto-assets and can raise new challenges in terms of protection of retail holders and market integrity that are specific to crypto-assets, they should also be subject to the rules laid down in this Regulation to address those challenges.

¹ Directive 2013/36/EU of the European Parliament and of the Council of 26 June 2013 on access to the activity of credit institutions and the prudential supervision of credit institutions, amending Directive 2002/87/EC and repealing Directives 2006/48/EC and 2006/49/EC (OJ L 176, 27.6.2013, p. 338).

- (20) Given the different risks and opportunities raised by crypto-assets, it is necessary to lay down rules for offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens and e-money tokens, as well as for issuers of asset-referenced tokens and e-money tokens. Issuers of crypto-assets are entities that have control over the creation of crypto-assets.
- (21) It is necessary to lay down specific rules for entities that provide services related to crypto-assets. A first category of such services consists of ensuring the operation of a trading platform for crypto-assets, exchanging crypto-assets for funds or other crypto-assets, providing custody and administration of crypto-assets on behalf of clients, and providing transfer services for crypto-assets on behalf of clients. A second category of such services consists of the placing of crypto-assets, the reception or transmission of orders for crypto-assets on behalf of clients, the execution of orders for crypto-assets on behalf of clients, providing advice on crypto-assets and providing portfolio management of crypto-assets. Any person that provides crypto-asset services on a professional basis in accordance with this Regulation should be deemed to be a ‘crypto-asset service provider’.

- (22) This Regulation should apply to natural and legal persons and certain other undertakings and to the crypto-asset services and activities performed, provided or controlled, directly or indirectly, by them, including when part of such activities or services is performed in a decentralised manner. Where crypto-asset services are provided in a fully decentralised manner without any intermediary, they should not fall within the scope of this Regulation. This Regulation covers the rights and obligations of issuers of crypto-assets, offerors, persons seeking admission to trading of crypto-assets and crypto-asset service providers. Where crypto-assets have no identifiable issuer, they should not fall within the scope of Title II, III or IV of this Regulation. Crypto-asset service providers providing services in respect of such crypto-assets should, however, be covered by this Regulation.
- (23) To ensure that all offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens, which can potentially have a financial use, or all admissions of crypto-assets to trading on a trading platform for crypto-assets (‘admission to trading’), in the Union, are properly monitored and supervised by competent authorities, all offerors or persons seeking admission to trading should be legal persons.

- (24) In order to ensure their protection, prospective retail holders of crypto-assets should be informed of the characteristics, functions and risks of the crypto-assets that they intend to purchase. When making an offer to the public of crypto-assets other than asset-referenced tokens or e-money tokens or when seeking admission to trading of such crypto-assets in the Union, offerors or persons seeking admission to trading should draw up, notify to their competent authority and publish an information document containing mandatory disclosures ('a crypto-asset white paper'). A crypto-asset white paper should contain general information on the issuer, offeror or person seeking admission to trading, on the project to be carried out with the capital raised, on the offer to the public of crypto-assets or on their admission to trading, on the rights and obligations attached to the crypto-assets, on the underlying technology used for such crypto-assets and on the related risks. However, the crypto-asset white paper should not contain a description of risks that are unforeseeable and very unlikely to materialise. The information contained in the crypto-asset white paper as well as in the relevant marketing communications, such as advertising messages and marketing material, and including through new channels such as social media platforms, should be fair, clear and not misleading. Advertising messages and marketing material should be consistent with the information provided in the crypto-asset white paper.

- (25) Crypto-asset white papers, including their summaries, and the operating rules of trading platforms for crypto-assets should be drawn up in at least one of the official languages of the home Member State and of any host Member State or, alternatively, in a language customary in the sphere of international finance. At the time of adoption of this Regulation, the English language is the language customary in the sphere of international finance but that could evolve in the future.

- (26) In order to ensure a proportionate approach, no requirements of this Regulation should apply to offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens that are offered for free or that are automatically created as a reward for the maintenance of a distributed ledger or the validation of transactions in the context of a consensus mechanism. In addition, no requirements should apply to offers of utility tokens providing access to an existing good or service, enabling the holder to collect the good or use the service, or when the holder of the crypto-assets has the right to use them only in exchange for goods and services in a limited network of merchants with contractual arrangements with the offeror. Such exemptions should not include crypto-assets representing stored goods that are not intended to be collected by the purchaser following the purchase. Neither should the limited network exemption apply to crypto-assets that are typically designed for a continuously growing network of service providers. The limited network exemption should be evaluated by the competent authority each time that an offer, or the aggregate value of more than one offer, exceeds a certain threshold, meaning that a new offer should not automatically benefit from an exemption of a previous offer. Those exemptions should cease to apply when the offeror, or another person acting on the offeror's behalf, communicates the offeror's intention of seeking admission to trading or the exempted crypto-assets are admitted to trading.

- (27) In order to ensure a proportionate approach, the requirements of this Regulation to draw up and publish a crypto-asset white paper should not apply to offers of crypto-assets other than asset-referenced tokens or e-money tokens that are made to fewer than 150 persons per Member State, or that are addressed solely to qualified investors where the crypto-assets can only be held by such qualified investors. SMEs and start-ups should not be subject to excessive and disproportionate administrative burden. Accordingly, offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens in the Union whose total consideration does not exceed EUR 1 000 000 over a period of 12 months should also be exempt from the obligation to draw up a crypto-asset white paper.
- (28) The mere admission to trading or the publication of bid and offer prices should not, in and of itself, be regarded as an offer to the public of crypto-assets. Such admission or publication should only constitute an offer to the public of crypto-assets where it includes a communication constituting an offer to the public under this Regulation.

- (29) Even though some offers of crypto-assets other than asset-referenced tokens or e-money tokens are exempt from various obligations of this Regulation, Union legislative acts that ensure consumer protection, such as Directive 2005/29/EC of the European Parliament and of the Council¹ or Council Directive 93/13/EEC², including any information obligations contained therein, remain applicable to offers to the public of crypto-assets where they concern business-to-consumer relationships.
- (30) Where an offer to the public concerns utility tokens for goods that do not yet exist or services that are not yet in operation, the duration of the offer to the public as described in the crypto-asset white paper should not exceed 12 months. That limitation on the duration of the offer to the public is unrelated to the moment when the goods or services come into existence or become operational and can be used by the holder of a utility token after the expiry of the offer to the public.

¹ Directive 2005/29/EC of the European Parliament and of the Council of 11 May 2005 concerning unfair business-to-consumer commercial practices in the internal market and amending Council Directive 84/450/EEC, Directives 97/7/EC, 98/27/EC and 2002/65/EC of the European Parliament and of the Council and Regulation (EC) No 2006/2004 of the European Parliament and of the Council (Unfair Commercial Practices Directive) (OJ L 149, 11.6.2005, p. 22).

² Council Directive 93/13/EEC of 5 April 1993 on unfair terms in consumer contracts (OJ L 95, 21.4.1993, p. 29).

- (31) In order to enable supervision, offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens should, before making any offer to the public of crypto-assets in the Union or before those crypto-assets are admitted to trading, notify their crypto-asset white paper and, upon request of the competent authority, their marketing communications, to the competent authority of the Member State where they have their registered office or, where they have no registered office in the Union, of the Member State where they have a branch. Offerors that are established in a third country should notify their crypto-asset white paper and, upon request of the competent authority, their marketing communications, to the competent authority of the Member State where they intend to offer the crypto-assets.
- (32) The operator of a trading platform should be responsible for complying with the requirements of Title II of this Regulation where crypto-assets are admitted to trading on its own initiative and the crypto-asset white paper has not already been published in the cases required by this Regulation. The operator of a trading platform should also be responsible for complying with those requirements where it has concluded a written agreement to that end with the person seeking admission to trading. The person seeking admission to trading should remain responsible when it provides misleading information to the operator of the trading platform. The person seeking admission to trading should also remain responsible for matters not delegated to the operator of the trading platform.

- (33) In order to avoid undue administrative burden, competent authorities should not be required to approve a crypto-asset white paper before its publication. Competent authorities should, however, have the power to request amendments to the crypto-asset white paper and to any marketing communications and, where necessary, to request the inclusion of additional information in the crypto-asset white paper.
- (34) Competent authorities should be able to suspend or prohibit an offer to the public of crypto-assets other than asset-referenced tokens or e-money tokens, or the admission of such crypto-assets to trading, where such an offer to the public or admission to trading does not comply with the applicable requirements of this Regulation, including where the crypto-asset white paper or the marketing communications are not fair, not clear or are misleading. Competent authorities should also have the power to publish a warning that the offeror or person seeking admission to trading has failed to meet those requirements, either on its website or through a press release.
- (35) Crypto-asset white papers that have been duly notified to a competent authority and marketing communications should be published. After such publication, offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens should be allowed to offer those crypto-assets throughout the Union and to seek admission to trading of such crypto-assets in the Union.

- (36) Offerors of crypto-assets other than asset-referenced tokens or e-money tokens should have effective arrangements in place to monitor and safeguard the funds or other crypto-assets raised during their offer to the public. Those arrangements should also ensure that any funds or other crypto-assets collected from holders or prospective holders are duly returned as soon as possible where an offer to the public is cancelled for any reason. The offeror should ensure that the funds or other crypto-assets collected during the offer to the public are safeguarded by a third party.
- (37) In order to further ensure protection of retail holders of crypto-assets, retail holders that acquire crypto-assets other than asset-referenced tokens or e-money tokens directly from the offeror, or from a crypto-asset service provider placing the crypto-assets on behalf of the offeror, should be provided with a right of withdrawal during a period of 14 days after their acquisition. In order to ensure the smooth completion of a time-limited offer to the public of crypto-assets, the right of withdrawal should not be exercised by retail holders after the end of the subscription period. Furthermore, the right of withdrawal should not apply where crypto-assets other than asset-referenced tokens or e-money tokens are admitted to trading prior to the purchase by the retail holder because, in such a case, the price of such crypto-assets depends on the fluctuations of the markets in crypto-assets. Where the retail holder has a right of withdrawal under this Regulation, the right of withdrawal under Directive 2002/65/EC of the European Parliament and of the Council¹ should not apply.

¹ Directive 2002/65/EC of the European Parliament and of the Council of 23 September 2002 concerning the distance marketing of consumer financial services and amending Council Directive 90/619/EEC and Directives 97/7/EC and 98/27/EC (OJ L 271, 9.10.2002, p. 16).

- (38) Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens should act honestly, fairly and professionally, should communicate with holders and prospective holders of crypto-assets in a manner that is fair, clear and not misleading, should identify, prevent, manage and disclose conflicts of interest, and should have effective administrative arrangements to ensure that their systems and security protocols meet Union standards. In order to assist competent authorities in their supervisory tasks, ESMA, in close cooperation with EBA, should be mandated to issue guidelines on those systems and security protocols in order to further specify those Union standards.
- (39) To further protect holders of crypto-assets, civil liability rules should apply to offerors and persons seeking admission to trading and to the members of their management body for the information provided to the public in the crypto-asset white paper.
- (40) Asset-referenced tokens could be widely adopted by holders to transfer value or as a means of exchange and thus pose increased risks in terms of protection of holders of crypto-assets, in particular retail holders, and in terms of market integrity, as compared to other crypto-assets. Issuers of asset-referenced tokens should therefore be subject to more stringent requirements than issuers of other crypto-assets.

- (41) Where a crypto-asset falls within the definition of an asset-referenced token or e-money token, Title III or IV of this Regulation should apply, irrespective of how the issuer intends to design the crypto-asset, including the mechanism for maintaining a stable value of the crypto-asset. The same applies to so-called algorithmic ‘stablecoins’ that aim to maintain a stable value in relation to an official currency, or in relation to one or several assets, via protocols, that provide for the increase or decrease in the supply of such crypto-assets in response to changes in demand. Offerors or persons seeking admission to trading of algorithmic crypto-assets that do not aim to stabilise the value of the crypto-assets by referencing one or several assets should in any event comply with Title II of this Regulation.
- (42) To ensure the proper supervision and monitoring of offers to the public of asset-referenced tokens, issuers of asset-referenced tokens should have a registered office in the Union.

- (43) Offers to the public of asset-referenced tokens in the Union or seeking admission to trading of such crypto-assets should be permitted only where the competent authority has authorised the issuer of such crypto-assets to do so and has approved the relevant crypto-asset white paper. The authorisation requirement should however not apply where the asset-referenced tokens are addressed solely to qualified investors or where the offer to the public of the asset-referenced tokens is below EUR 5 000 000. In those cases, the issuer of the asset-referenced tokens should still be required to draw up a crypto-asset white paper to inform buyers about the characteristics and risks of the asset-referenced tokens and should also be required to notify the crypto-asset white paper to the competent authority before its publication.

(44) Credit institutions authorised under Directive 2013/36/EU should not need another authorisation under this Regulation in order to offer or seek the admission to trading of asset-referenced tokens. National procedures established under that Directive should apply but should be complemented by a requirement to notify the competent authority of the home Member State designated under this Regulation of the elements that enable that authority to verify the issuer's ability to offer or seek the admission to trading of asset-referenced tokens. Credit institutions that offer or seek the admission to trading of asset-referenced tokens should be subject to all requirements that apply to issuers of asset-referenced tokens with the exception of authorisation requirements, own funds requirements and the approval procedure with respect to qualifying shareholders, as those matters are covered by Directive 2013/36/EU and by Regulation (EU) No 575/2013 of the European Parliament and of the Council¹. A crypto-asset white paper drawn up by such credit institution should be approved by the competent authority of the home Member State before publication. Credit institutions authorised under the provisions of national law transposing Directive 2013/36/EU and which offer or seek the admission to trading of asset-referenced tokens should be subject to the administrative powers set out under that Directive and also those under this Regulation, including a restriction or limitation of a credit institution's business and a suspension or prohibition of an offer to the public of asset-referenced tokens. Where the obligations applying to such credit institutions under this Regulation overlap with those of Directive 2013/36/EU, the credit institutions should comply with the more specific or stricter requirements, thereby ensuring compliance with both sets of rules. The notification procedure for credit institutions intending to offer or seek the admission to trading of asset-referenced tokens under this Regulation should be without prejudice to the provisions of national law transposing Directive 2013/36/EU that set out procedures for the authorisation of credit institutions to provide the services listed in Annex I to that Directive.

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

(45) A competent authority should refuse authorisation on objective and demonstrable grounds, including where the business model of the applicant issuer of asset-referenced tokens might pose a serious threat to market integrity, financial stability or the smooth operation of payment systems. The competent authority should consult EBA, ESMA, the ECB and, where the issuer is established in a Member State whose official currency is not the euro or where an official currency of a Member State that is not the euro is referenced by the asset-referenced token, the central bank of that Member State before granting or refusing an authorisation. Non-binding opinions of EBA and ESMA should address the classification of the crypto-asset, while the ECB and, where applicable, the central bank of the Member State concerned should provide the competent authority with an opinion on the risks to financial stability, the smooth operation of payment systems, monetary policy transmission or monetary sovereignty. The competent authorities should refuse authorisation in cases where the ECB or the central bank of a Member State gives a negative opinion on the grounds of a risk posed to the smooth operation of payment systems, monetary policy transmission, or monetary sovereignty. Where authorisation is granted to an applicant issuer of asset-referenced tokens, the crypto-asset white paper drawn up by that issuer should also be deemed approved. The authorisation by the competent authority should be valid throughout the Union and should allow the issuer of asset-referenced tokens to offer those crypto-assets on the internal market and to seek an admission to trading. In the same way, the crypto-asset white paper should also be valid for the entire Union, without any possibility for Member States to impose additional requirements.

- (46) In several cases where the ECB is consulted under this Regulation, its opinion should be binding insofar as it obliges a competent authority to refuse, withdraw or limit an authorisation of the issuer of asset-referenced tokens or to impose specific measures on the issuer of asset-referenced tokens. Article 263, first paragraph, TFEU provides that the Court of Justice of the European Union (the ‘Court of Justice’) should review the legality of acts of the ECB other than recommendations or opinions. It should be recalled, however, that it is for the Court of Justice to interpret that provision in light of the substance and effects of an opinion of the ECB.
- (47) To ensure protection of retail holders, issuers of asset-referenced tokens should always provide holders of such tokens with information that is complete, fair, clear and not misleading. Crypto-asset white papers for asset-referenced tokens should include information on the stabilisation mechanism, on the investment policy of the reserve assets, on the custody arrangements for the reserve assets and on the rights provided to holders.
- (48) In addition to the information provided in the crypto-asset white paper, issuers of asset-referenced tokens should also provide holders of such tokens with information on an ongoing basis. In particular, they should disclose on their website the amount of asset-referenced tokens in circulation and the value and composition of the reserve assets. Issuers of asset-referenced tokens should also disclose any event that has or is likely to have a significant impact on the value of the asset-referenced tokens or on the reserve assets, irrespective of whether such crypto-assets are admitted to trading.

- (49) To ensure protection of retail holders, issuers of asset-referenced tokens should always act honestly, fairly and professionally and in the best interests of the holders of asset-referenced tokens. Issuers of asset-referenced tokens should also put in place a clear procedure for handling complaints received from holders of asset-referenced tokens.
- (50) Issuers of asset-referenced tokens should put in place a policy to identify, prevent, manage and disclose conflicts of interest that can arise from their relationships with their shareholders or members, or with any shareholder or member, whether direct or indirect, that has a qualifying holding in the issuers, or with the members of their management body, their employees, holders of asset-referenced tokens or third-party service providers.

(51) Issuers of asset-referenced tokens should have robust governance arrangements, including a clear organisational structure with well-defined, transparent and consistent lines of responsibility and effective processes to identify, manage, monitor and report the risks to which they are or to which they might be exposed. The members of the management body of such issuers should be fit and proper and should, in particular, not have been convicted of any offence in the field of money laundering or terrorist financing or of any other offence that would affect their good repute. The shareholders or members, whether direct or indirect, natural or legal persons, that have qualifying holdings in such issuers, should be of sufficiently good repute and should, in particular, not have been convicted of any offence in the field of money laundering or terrorist financing or of any other offence that would affect their good repute. Issuers of asset-referenced tokens should also employ resources proportionate to the scale of their activities and should always ensure continuity and regularity in the performance of their activities. For that purpose, issuers of asset-referenced tokens should establish a business continuity policy that aims to ensure, in the case of an interruption to their systems and procedures, the performance of their core activities related to the asset-referenced tokens. Issuers of asset-referenced tokens should also have strong internal control mechanisms and effective procedures for risk management, as well as a system that guarantees the integrity and confidentiality of information received. Those obligations aim to ensure the protection of holders of asset-referenced tokens, in particular retail holders, while not creating unnecessary barriers.

- (52) Issuers of asset-referenced tokens are usually at the centre of a network of entities that ensure the issuance of such crypto-assets, their transfer and their distribution to holders. Issuers of asset-referenced tokens should therefore be required to establish and maintain appropriate contractual arrangements with third-party entities for ensuring the stabilisation mechanism and the investment of the reserve assets backing the value of the tokens, the custody of such reserve assets and, where applicable, the distribution of the asset-referenced tokens to the public.
- (53) To address the risks to the financial stability of the wider financial system, issuers of asset-referenced tokens should be subject to own funds requirements. Those requirements should be proportionate to the issuance size of the asset-referenced tokens and therefore calculated as a percentage of the reserve of assets that back the value of the asset-referenced tokens. Competent authorities should however be able to increase the amount of own funds required based on, inter alia, the evaluation of the risk-management process and internal control mechanisms of the issuer, the quality and volatility of the reserve assets backing the asset-referenced tokens, or the aggregate value and number of transactions settled in asset-referenced tokens.

(54) In order to cover their liability against holders of asset-referenced tokens, issuers of asset-referenced tokens should constitute and maintain a reserve of assets matching the risks reflected in such liability. The reserve of assets should be used for the benefit of the holders of the asset-referenced tokens when the issuer is not able to fulfil its obligations towards the holders, such as in insolvency. The reserve of assets should be composed and managed in such a way that market and currency risks are covered. Issuers of asset-referenced tokens should ensure the prudent management of the reserve of assets and should, in particular, ensure that the value of the reserve amounts at least to the corresponding value of tokens in circulation and that changes in the reserve are adequately managed to avoid adverse impacts on the markets of the reserve assets. Issuers of asset-referenced tokens should therefore have clear and detailed policies that describe, inter alia, the composition of the reserve of assets, the allocation of assets included therein, a comprehensive assessment of the risks raised by the reserve assets, the procedure for the issuance and redemption of the asset-referenced tokens, the procedure to increase and decrease the reserve assets and, where the reserve assets are invested, the investment policy that is followed by the issuers. Issuers of asset-referenced tokens that are marketed both in the Union and in third countries should ensure that their reserve of assets is available to cover the issuers' liability towards Union holders. The requirement to hold the reserve of assets with firms subject to Union law should therefore apply in proportion to the share of asset-referenced tokens that is expected to be marketed in the Union.

- (55) To prevent the risk of loss for asset-referenced tokens and to preserve the value of those assets, issuers of asset-referenced tokens should have an adequate custody policy for their reserve assets. That policy should ensure that the reserve assets are fully segregated from the issuer's own assets at all times, that the reserve assets are not encumbered or pledged as collateral, and that the issuer of asset-referenced tokens has prompt access to those reserve assets. The reserve assets should, depending on their nature, be held in custody by a crypto-asset service provider, by a credit institution authorised under Directive 2013/36/EU or by an investment firm authorised under Directive 2014/65/EU. That should not exclude the possibility of delegating the holding of the physical assets to another entity. Crypto-asset service providers, credit institutions or investment firms that act as custodians of reserve assets should be responsible for the loss of such reserve assets vis-à-vis the issuer or the holders of the asset-referenced tokens, unless they prove that such loss has arisen as a result of an external event beyond their reasonable control. Concentrations of the custodians of reserve assets should be avoided. However, in certain situations, that might not be possible due to a lack of suitable alternatives. In such cases, a temporary concentration should be deemed acceptable.
- (56) To protect holders of asset-referenced tokens against a decrease in value of the assets backing the value of the tokens, issuers of asset-referenced tokens should only invest the reserve assets in secure, low-risk assets with minimal market, concentration and credit risk. As the asset-referenced tokens could be used as a means of exchange, all profits or losses resulting from the investment of the reserve assets should be borne by the issuer of the asset-referenced tokens.

- (57) Holders of asset-referenced tokens should have a permanent right of redemption so that the issuer is required to redeem the asset-referenced tokens at any time, upon request by the holders of the asset-referenced tokens. The issuer of asset-referenced tokens should redeem either by paying an amount in funds, other than electronic money, equivalent to the market value of the assets referenced by the asset-referenced tokens, or by delivering the assets referenced by the tokens. The issuer of asset-referenced tokens should always provide the holder with the option of redeeming the asset-referenced tokens in funds other than electronic money denominated in the same official currency that the issuer accepted when selling the tokens. The issuer should provide sufficiently detailed and easily understandable information on the different forms of redemption available.
- (58) To reduce the risk that asset-referenced tokens are used as a store of value, issuers of asset-referenced tokens and crypto-asset service providers, when providing crypto-asset services related to asset-referenced tokens, should not grant interest to holders of asset-referenced tokens related to the length of time during which such holders are holding those asset-referenced tokens.

- (59) Asset-referenced tokens and e-money tokens should be deemed significant when they meet, or are likely to meet, certain criteria, including a large customer base, a high market capitalisation, or a large number of transactions. As such, they could be used by a large number of holders and their use could raise specific challenges in terms of financial stability, monetary policy transmission or monetary sovereignty. Those significant asset-referenced tokens and e-money tokens should, therefore, be subject to more stringent requirements than asset-referenced tokens or e-money tokens that are not deemed significant. In particular, issuers of significant asset-referenced tokens should be subject to higher capital requirements, to interoperability requirements and they should establish a liquidity management policy. The appropriateness of the thresholds to classify an asset-referenced token or e-money token as significant should be reviewed by the Commission as part of its review of the application of this Regulation. That review should, where appropriate, be accompanied by a legislative proposal.
- (60) A comprehensive monitoring of the entire ecosystem of issuers of asset-referenced tokens is important in order to determine the true size and impact of such tokens. To capture all transactions that are conducted in relation to any given asset-referenced token, the monitoring of such tokens therefore includes the monitoring of all transactions that are settled, whether they are settled on the distributed ledger ('on-chain') or outside the distributed ledger ('off-chain'), and including transactions between clients of the same crypto-asset service provider.

- (61) It is particularly important to estimate transactions settled with asset-referenced tokens associated to uses as a means of exchange within a single currency area, namely, those associated to payments of debts including in the context of transactions with merchants. Those transactions should not include transactions associated with investment functions and services, such as a means of exchange for funds or other crypto-assets, unless there is evidence that the asset-referenced token is used for settlement of transactions in other crypto-assets. A use for settlement of transactions in other crypto-assets would be present in cases where a transaction involving two legs of crypto-assets, which are different from the asset-referenced tokens, is settled in the asset-referenced tokens. Moreover, where asset-referenced tokens are used widely as a means of exchange within a single currency area, issuers should be required to reduce the level of activity. An asset-referenced token should be considered to be used widely as a means of exchange when the average number and average aggregate value of transactions per day associated to uses as a means of exchange within a single currency area is higher than 1 million transactions and EUR 200 000 000 respectively.
- (62) Where asset-referenced tokens pose a serious threat to the smooth operation of payment systems, monetary policy transmission or monetary sovereignty, central banks should be able to request the competent authority to withdraw the authorisation of the issuer of those asset-referenced tokens. Where asset-referenced tokens pose a threat to the smooth operation of payment systems, monetary policy transmission or monetary sovereignty, central banks should be able to request the competent authority to limit the amount of those asset-referenced tokens to be issued, or to impose a minimum denomination amount.

- (63) This Regulation is without prejudice to national law regulating the use of domestic and foreign currencies in operations between residents, adopted by non-euro area Member States in exercising their prerogative of monetary sovereignty.
- (64) Issuers of asset-referenced tokens should prepare a recovery plan providing for measures to be taken by the issuer to restore compliance with the requirements applicable to the reserve of assets, including in cases where the fulfilment of requests for redemption creates temporary unbalances in the reserve of assets. The competent authority should have the power to temporarily suspend the redemption of asset-referenced tokens in order to protect the interests of the holders of the asset-referenced tokens and financial stability.

(65) Issuers of asset-referenced tokens should have a plan for the orderly redemption of the tokens to ensure that the rights of the holders of the asset-referenced tokens are protected where the issuers are not able to comply with their obligations, including in the event of discontinuation of issuing of the asset-referenced tokens. Where the issuer of asset-referenced tokens is a credit institution or an entity falling within the scope of Directive 2014/59/EU of the European Parliament and of the Council¹, the competent authority should consult the responsible resolution authority. That resolution authority should be permitted to examine the redemption plan with a view to identifying any elements in it that might adversely affect the resolvability of the issuer, the resolution strategy of the issuer, or any actions foreseen in the resolution plan of the issuer, and make recommendations to the competent authority with regard to those matters. In doing so, the resolution authority should also be permitted to consider whether any changes are required to the resolution plan or the resolution strategy, in accordance with the provisions of Directive 2014/59/EU and Regulation (EU) No 806/2014 of the European Parliament and of the Council², as applicable. Such examination by the resolution authority should not affect the powers of the prudential supervisory authority or of the resolution authority, as applicable, to take crisis prevention measures or crisis management measures.

¹ Directive 2014/59/EU of the European Parliament and of the Council of 15 May 2014 establishing a framework for the recovery and resolution of credit institutions and investment firms and amending Council Directive 82/891/EEC, and Directives 2001/24/EC, 2002/47/EC, 2004/25/EC, 2005/56/EC, 2007/36/EC, 2011/35/EU, 2012/30/EU and 2013/36/EU, and Regulations (EU) No 1093/2010 and (EU) No 648/2012, of the European Parliament and of the Council (OJ L 173, 12.6.2014, p. 190).

² Regulation (EU) No 806/2014 of the European Parliament and of the Council of 15 July 2014 establishing uniform rules and a uniform procedure for the resolution of credit institutions and certain investment firms in the framework of a Single Resolution Mechanism and a Single Resolution Fund and amending Regulation (EU) No 1093/2010 (OJ L 225, 30.7.2014, p. 1).

- (66) Issuers of e-money tokens should be authorised either as a credit institution under Directive 2013/36/EU or as an electronic money institution under Directive 2009/110/EC. E-money tokens should be deemed to be ‘electronic money’ as that term is defined in Directive 2009/110/EC and their issuers should, unless specified otherwise in this Regulation, comply with the relevant requirements set out in Directive 2009/110/EC for the taking up, pursuit and prudential supervision of the business of electronic money institutions and the requirements on issuance and redeemability of e-money tokens. Issuers of e-money tokens should draw up a crypto-asset white paper and notify it to their competent authority. Exemptions regarding limited networks, regarding certain transactions by providers of electronic communications networks and regarding electronic money institutions issuing only a limited maximum amount of electronic money, based on the optional exemptions specified in Directive 2009/110/EC, should also apply to e-money tokens. However, issuers of e-money tokens should still be required to draw up a crypto-asset white paper in order to inform buyers about the characteristics and risks of the e-money tokens and should also be required to notify the crypto-asset white paper to the competent authority before its publication.
- (67) Holders of e-money tokens should be provided with a claim against the issuer of the e-money tokens. Holders of e-money tokens should always be granted a right of redemption at par value for funds denominated in the official currency that the e-money token is referencing. The provisions of Directive 2009/110/EC on the possibility of charging a fee in relation to redemption are not relevant in the context of e-money tokens.

- (68) To reduce the risk that e-money tokens are used as store of value, issuers of e-money tokens and crypto-asset service providers when they provide crypto-asset services related to e-money tokens, should not grant interest to holders of e-money tokens, including interest not related to the length of time that such holders hold those e-money tokens.
- (69) The crypto-asset white paper drawn up by an issuer of e-money tokens should contain all information concerning that issuer and the offer of e-money tokens or their admission to trading that is necessary to enable prospective buyers to make an informed purchase decision and understand the risks relating to the offer of e-money tokens. The crypto-asset white paper should also expressly refer to the right of holders of e-money tokens to redeem their e-money tokens for funds denominated in the official currency that the e-money tokens reference at par value and at any time.
- (70) Where an issuer of e-money tokens invests the funds received in exchange for e-money tokens, such funds should be invested in assets denominated in the same official currency as the one that the e-money token is referencing in order to avoid cross-currency risks.

- (71) Significant e-money tokens could pose greater risks to financial stability than e-money tokens that are not significant and traditional electronic money. Issuers of significant e-money tokens that are electronic money institutions should therefore be subject to additional requirements. Such issuers of significant e-money tokens should in particular be subject to higher capital requirements than issuers of other e-money tokens, be subject to interoperability requirements and establish a liquidity management policy. They should also comply with some of the same requirements that apply to issuers of asset-referenced tokens with regard to reserve of assets, such as those on custody and investment of the reserve of assets. Those requirements for issuers of significant e-money tokens should apply instead of Articles 5 and 7 of Directive 2009/110/EC. As those provisions of Directive 2009/110/EC do not apply to credit institutions when issuing e-money, neither should the additional requirements for significant e-money tokens under this Regulation.
- (72) Issuers of e-money tokens should have in place recovery and redemption plans to ensure that the rights of the holders of the e-money tokens are protected when issuers are not able to comply with their obligations.
- (73) In most Member States, the provision of crypto-asset services is not yet regulated despite the potential risks that they pose to investor protection, market integrity and financial stability. To address such risks, this Regulation provides operational, organisational and prudential requirements at Union level applicable to crypto-asset service providers.

(74) In order to enable effective supervision and to eliminate the possibility of evading or circumventing supervision, crypto-asset services should only be provided by legal persons that have a registered office in a Member State in which they carry out substantive business activities, including the provision of crypto-asset services. Undertakings that are not legal persons, such as commercial partnerships, should under certain conditions also be permitted to provide crypto-asset services. It is essential that providers of crypto-asset services maintain effective management of their activities in the Union in order to avoid undermining effective prudential supervision and to ensure the enforcement of requirements under this Regulation intended to ensure investor protection, market integrity and financial stability. Regular close direct contact between supervisors and the responsible management of crypto-asset service providers should be an essential element of such supervision. Crypto-asset service providers should therefore have their place of effective management in the Union, and at least one of the directors should be resident in the Union. The place of effective management means the place where the key management and commercial decisions that are necessary for the conduct of the business are taken.

- (75) This Regulation should not affect the possibility for persons established in the Union to receive crypto-asset services by a third-country firm on their own initiative. Where a third-country firm provides crypto-asset services on the own initiative of a person established in the Union, the crypto-asset services should not be deemed to be provided in the Union. Where a third-country firm solicits clients or prospective clients in the Union or promotes or advertises crypto-asset services or activities in the Union, its services should not be deemed to be crypto-asset services provided on the own initiative of the client. In such a case, the third-country firm should be authorised as a crypto-asset service provider.
- (76) Given the relatively small scale to date of crypto-asset service providers, the power to authorise and supervise such service providers should be conferred upon national competent authorities. Authorisation as a crypto-asset service provider should be granted, refused or withdrawn by the competent authority of the Member State where the entity has its registered office. Where an authorisation is granted, it should indicate the crypto-asset services for which the crypto-asset service provider is authorised and should be valid for the entire Union.

(77) In order to ensure the continued protection of the financial system of the Union against the risks of money laundering and terrorist financing, it is necessary to ensure that crypto-asset service providers carry out increased checks on financial operations involving customers and financial institutions from third countries listed as high-risk third countries because they are jurisdictions which have strategic deficiencies in their national anti-money laundering and counter-terrorist financing regimes that pose significant threats to the financial system of the Union as referred to in Directive (EU) 2015/849 of the European Parliament and of the Council¹.

¹ Directive (EU) 2015/849 of the European Parliament and of the Council of 20 May 2015 on the prevention of the use of the financial system for the purposes of money laundering or terrorist financing, amending Regulation (EU) No 648/2012 of the European Parliament and of the Council, and repealing Directive 2005/60/EC of the European Parliament and of the Council and Commission Directive 2006/70/EC (OJ L 141, 5.6.2015, p. 73).

(78) Certain firms subject to Union legislative acts on financial services should be allowed to provide all or some crypto-asset services without being required to obtain an authorisation as a crypto-asset service provider under this Regulation if they notify their competent authorities with certain information before providing those services for the first time. In such cases, those firms should be deemed to be crypto-asset service providers and the relevant administrative powers provided in this Regulation, including the power to suspend or prohibit certain crypto-asset services, should apply with respect to them. Those firms should be subject to all requirements applicable to crypto-asset service providers under this Regulation with the exception of authorisation requirements, own funds requirements and the approval procedure regarding shareholders and members that have qualifying holdings, as those matters are covered by the respective Union legislative acts under which they were authorised. The notification procedure for credit institutions intending to provide crypto-asset services under this Regulation should be without prejudice to the provisions of national law transposing Directive 2013/36/EU that set out procedures for the authorisation of credit institutions to provide the services listed in Annex I to that Directive.

- (79) In order to ensure consumer protection, market integrity and financial stability, crypto-asset service providers should always act honestly, fairly and professionally and in the best interests of their clients. Crypto-asset services should be deemed ‘financial services’ as defined in Directive 2002/65/EC in cases where they meet the criteria of that Directive. Where marketed at distance, the contracts between crypto-asset service providers and consumers should be subject to Directive 2002/65/EC as well, unless expressly stated otherwise in this Regulation. Crypto-asset service providers should provide their clients with information that is complete, fair, clear and not misleading and warn them about the risks associated with crypto-assets. Crypto-asset service providers should make their pricing policies public, should establish complaints-handling procedures and should have a robust policy for the identification, prevention, management and disclosure of conflicts of interest.
- (80) To ensure consumer protection, crypto-asset service providers authorised under this Regulation should comply with certain prudential requirements. Those prudential requirements should be set as a fixed amount or in proportion to the fixed overheads of crypto-asset service providers of the preceding year, depending on the types of services they provide.

(81) Crypto-asset service providers should be subject to strong organisational requirements. The members of the management body of crypto-asset service providers should be fit and proper and should, in particular, not have been convicted of any offence in the field of money laundering or terrorist financing or of any other offence that would affect their good reputation. The shareholders or members, whether direct or indirect, natural or legal persons, that have qualifying holdings in crypto-asset service providers should be of sufficiently good reputation and should, in particular, not have been convicted of any offence in the field of money laundering or terrorist financing or of any other offence that would affect their good reputation. In addition, where the influence exercised by shareholders and members that have qualifying holdings in crypto-asset service providers is likely to be prejudicial to the sound and prudent management of the crypto-asset service provider taking into account, amongst others, their previous activities, the risk of them engaging in illicit activities, or the influence or control by a government of a third country, competent authorities should have the power to address those risks. Crypto-asset service providers should employ management and staff with adequate knowledge, skills and expertise and should take all reasonable steps to perform their functions, including through the preparation of a business continuity plan. They should have sound internal control and risk assessment mechanisms as well as adequate systems and procedures to ensure the integrity and confidentiality of the information received. Crypto-asset service providers should have appropriate arrangements to keep records of all transactions, orders and services related to the crypto-asset services that they provide. They should also have systems in place to detect potential market abuse committed by clients.

- (82) In order to ensure protection of their clients, crypto-asset service providers should have adequate arrangements to safeguard the clients' ownership rights with respect to the crypto-assets they hold. Where their business model requires them to hold funds as defined in Directive (EU) 2015/2366 in the form of banknotes, coins, scriptural money or electronic money belonging to their clients, crypto-asset service providers should place such funds with a credit institution or a central bank, where an account with the central bank is available. Crypto-asset service providers should be authorised to make payment transactions in connection with the crypto-asset services they offer only where they are authorised as payment institutions in accordance with that Directive.

(83) Depending on the services they provide and due to the specific risks raised by each type of services, crypto-asset service providers should be subject to requirements specific to those services. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients should conclude an agreement with their clients with certain mandatory provisions and should establish and implement a custody policy, which should be made available to clients upon their request in an electronic format. Such agreement should specify, inter alia, the nature of the service provided, which could include the holding of crypto-assets belonging to clients or the means of access to such crypto-assets, in which case the client might keep control of the crypto-assets in custody. Alternatively, the crypto-assets or the means of access to them could be transferred to the full control of the crypto-asset service provider. Crypto-asset service providers that hold crypto-assets belonging to clients, or the means of access to such crypto-assets, should ensure that those crypto-assets are not used for their own account. The crypto-asset service providers should ensure that all crypto-assets held are always unencumbered. Those crypto-asset service providers should also be held liable for any losses resulting from an incident related to information and communication technology ('ICT'), including an incident resulting from a cyber-attack, theft or any malfunctions. Hardware or software providers of non-custodial wallets should not fall within the scope of this Regulation.

- (84) To ensure the orderly functioning of markets in crypto-assets, crypto-asset service providers operating a trading platform for crypto-assets should have detailed operating rules, should ensure that their systems and procedures are sufficiently resilient, should be subject to pre-trade and post-trade transparency requirements adapted to the markets in crypto-assets, and should set transparent and non-discriminatory rules, based on objective criteria, governing access to their platforms. Crypto-asset service providers operating a trading platform for crypto-assets should also have a transparent fee structure for the services provided to avoid the placing of orders that could contribute to market abuse or disorderly trading conditions. Crypto-asset service providers operating a trading platform for crypto-assets should be able to settle transactions executed on trading platforms on-chain and off-chain, and should ensure a timely settlement. The settlement of transactions should be initiated within 24 hours of a transaction being executed on the trading platform. In the case of an off-chain settlement, the settlement should be initiated on the same business day whereas in the case of an on-chain settlement, the settlement might take longer as it is not controlled by the crypto-asset service provider operating the trading platform.
- (85) To ensure consumer protection, crypto-asset service providers that exchange crypto-assets for funds or other crypto-assets by using their own capital should draw up a non-discriminatory commercial policy. They should publish either firm quotes or the methodology they are using for determining the price of the crypto-assets they wish to exchange, and they should publish any limits they wish to establish on the amount to be exchanged. They should also be subject to post-trade transparency requirements.

- (86) Crypto-asset service providers that execute orders for crypto-assets on behalf of clients should draw up an execution policy and should always aim to obtain the best possible result for their clients, including when they act as a client's counterparty. They should take all necessary steps to avoid the misuse by their employees of information related to client orders. Crypto-asset service providers that receive orders and transmit those orders to other crypto-asset service providers should implement procedures for the prompt and proper sending of those orders. Crypto-asset service providers should not receive any monetary or non-monetary benefits for transmitting those orders to any particular trading platform for crypto-assets or any other crypto-asset service providers. They should monitor the effectiveness of their order execution arrangements and execution policy, assessing whether the execution venues included in the order execution policy provide for the best possible result for the client or whether they need to make changes to their execution arrangements, and should notify clients with whom they have an ongoing client relationship of any material changes to their order execution arrangements or execution policy.

- (87) When a crypto-asset service provider executing orders for crypto-assets on behalf of clients is the client's counterparty, there might be similarities with the services of exchanging crypto-assets for funds or other crypto-assets. However, in exchanging crypto-assets for funds or other crypto-assets, the price for such exchanges is freely determined by the crypto-asset service provider as a currency exchange. Yet in the execution of orders for crypto-assets on behalf of clients, the crypto-asset service provider should always ensure that it obtains the best possible result for its client, including when it acts as the client's counterparty, in line with its best execution policy. The exchange of crypto-assets for funds or other crypto-assets when made by the issuer or offeror should not be a crypto-asset service.
- (88) Crypto-asset service providers that place crypto-assets for potential holders should, before the conclusion of a contract, communicate to those persons information on how they intend to perform their service. To ensure the protection of their clients, crypto-asset service providers that are authorised for the placing of crypto-assets should have in place specific and adequate procedures to prevent, monitor, manage and disclose any conflicts of interest arising from the placing of crypto-assets with their own clients and arising where the proposed price for the placing of crypto-assets has been overestimated or underestimated. The placing of crypto-assets on behalf of an offeror should not be deemed to be a separate offer.

- (89) To ensure consumer protection, crypto-asset service providers that provide advice on crypto-assets, either at the request of a client or on their own initiative, or that provide portfolio management of crypto-assets, should make an assessment whether those crypto-asset services or crypto-assets are suitable for the clients, having regard to their clients' experience, knowledge, objectives and ability to bear losses. Where the clients do not provide information to the crypto-asset service providers on their experience, knowledge, objectives and ability to bear losses, or it is clear that the crypto-assets are not suitable for the clients, the crypto-asset service providers should not recommend such crypto-asset services or crypto-assets to those clients, nor begin providing portfolio management of crypto-assets. When providing advice on crypto-assets, crypto-asset service providers should provide clients with a report, which should include the suitability assessment specifying the advice given and how it meets the preferences and objectives of clients. When providing portfolio management of crypto-assets, crypto-asset service providers should provide periodic statements to their clients, which should include a review of their activities and of the performance of the portfolio as well as an updated statement on the suitability assessment.
- (90) Some crypto-asset services, in particular providing custody and administration of crypto-assets on behalf of clients, the placing of crypto-assets, and transfer services for crypto-assets on behalf of clients, might overlap with payment services as defined in Directive (EU) 2015/2366.

- (91) The tools provided by issuers of electronic money to their clients to manage an e-money token might not be distinguishable from the activity of providing custody and administration services as regulated by this Regulation. Electronic money institutions should therefore be able to provide custody services, without prior authorisation under this Regulation to provide crypto-asset services, only in relation to the e-money tokens issued by them.
- (92) The activity of traditional electronic money distributors, namely, that of distributing electronic money on behalf of issuers, would amount to the activity of placing of crypto-assets for the purposes of this Regulation. However, natural or legal persons allowed to distribute electronic money under Directive 2009/110/EC should also be able to distribute e-money tokens on behalf of issuers of e-money tokens without being required to obtain prior authorisation under this Regulation to provide crypto-asset services. Such distributors should, therefore, be exempt from the requirement to seek authorisation as a crypto-asset service provider for the activity of the placing of crypto-assets.

- (93) A provider of transfer services for crypto-assets should be an entity that provides for the transfer, on behalf of a client, of crypto-assets from one distributed ledger address or account to another. Such transfer service should not include the validators, nodes or miners that might be part of confirming a transaction and updating the state of the underlying distributed ledger. Many crypto-asset service providers also offer some kind of transfer service for crypto-assets as part of, for example, the service of providing custody and administration of crypto-assets on behalf of clients, exchange of crypto-assets for funds or other crypto-assets, or execution of orders for crypto-assets on behalf of clients. Depending on the precise features of the services associated to the transfer of e-money tokens, such services could fall under the definition of payment services in Directive (EU) 2015/2366. In such cases, those transfers should be provided by an entity authorised to provide such payment services in accordance with that Directive.
- (94) This Regulation should not address the lending and borrowing of crypto-assets, including e-money tokens, and therefore should not prejudice applicable national law. The feasibility and necessity of regulating such activities should be further assessed.

- (95) It is important to ensure confidence in markets in crypto-assets and the integrity of those markets. It is therefore necessary to lay down rules to deter market abuse for crypto-assets that are admitted to trading. However, as issuers of crypto-assets and crypto-asset service providers are very often SMEs, it would be disproportionate to apply all of the provisions of Regulation (EU) No 596/2014 of the European Parliament and of the Council¹ to them. It is therefore necessary to lay down specific rules prohibiting certain behaviours that are likely to undermine user confidence in markets in crypto-assets and the integrity of those markets, including insider dealing, unlawful disclosure of inside information and market manipulation related to crypto-assets. Those bespoke rules on market abuse committed in relation to crypto-assets should also be applied in cases where crypto-assets are admitted to trading.
- (96) Legal certainty for participants in markets in crypto-assets should be enhanced through a characterisation of two elements essential to the specification of inside information, namely, the precise nature of that information and the significance of its potential effect on the prices of crypto-assets. Those elements should also be considered for the prevention of market abuse in the context of markets in crypto-assets and their functioning, taking into account, for instance, the use of social media, the use of smart contracts for order executions and the concentration of mining pools.

¹ Regulation (EU) No 596/2014 of the European Parliament and of the Council of 16 April 2014 on market abuse (market abuse regulation) and repealing Directive 2003/6/EC of the European Parliament and of the Council and Commission Directives 2003/124/EC, 2003/125/EC and 2004/72/EC (OJ L 173, 12.6.2014, p. 1).

- (97) Derivatives that qualify as financial instruments as defined in Directive 2014/65/EU, and whose underlying asset is a crypto-asset, are subject to Regulation (EU) No 596/2014 when traded on a regulated market, multilateral trading facility or organised trading facility. Crypto-assets falling within the scope of this Regulation, which are underlying assets of those derivatives, should be subject to the market abuse provisions of this Regulation.
- (98) Competent authorities should be conferred with sufficient powers to supervise the issuance, offer to the public and admission to trading of crypto-assets, including asset-referenced tokens or e-money tokens, as well as to supervise crypto-asset service providers. Those powers should include the power to suspend or prohibit an offer to the public or an admission to trading of crypto-assets or the provision of a crypto-asset service, and to investigate infringements of the rules on market abuse. Issuers of crypto-assets other than asset-referenced tokens or e-money tokens should not be subject to supervision under this Regulation when the issuer is not an offeror or a person seeking admission to trading.
- (99) Competent authorities should also have the power to impose penalties on issuers, offerors or persons seeking admission to trading of crypto-assets, including asset-referenced tokens or e-money tokens, and on crypto-asset service providers. When determining the type and level of an administrative penalty or other administrative measure, competent authorities should take into account all relevant circumstances, including the gravity and the duration of the infringement and whether it was committed intentionally.

- (100) Given the cross-border nature of markets in crypto-assets, competent authorities should cooperate with each other to detect and deter any infringements of this Regulation.
- (101) To facilitate transparency regarding crypto-assets and crypto-asset service providers, ESMA should establish a register of crypto-asset white papers, issuers of asset-referenced tokens, issuers of e-money tokens and crypto-asset service providers.
- (102) Significant asset-referenced tokens can be used as a means of exchange and to make large volumes of payment transactions. Since such large volumes can pose specific risks to monetary transmission channels and monetary sovereignty, it is appropriate to assign to EBA the task of supervising the issuers of asset-referenced tokens, once such tokens have been classified as significant. Such assignment should address the very specific nature of the risks posed by asset-referenced tokens, and should not set a precedent for any other Union legislative acts on financial services.

- (103) Competent authorities in charge of supervision under Directive 2009/110/EC should supervise issuers of e-money tokens. However, given the potential widespread use of significant e-money tokens as a means of payment and the risks they can pose to financial stability, a dual supervision both by competent authorities and by EBA of issuers of significant e-money tokens is necessary. EBA should supervise the compliance by issuers of significant e-money tokens with the specific additional requirements set out in this Regulation for such tokens. Since the specific additional requirements should apply only to electronic money institutions issuing significant e-money tokens, credit institutions issuing significant e-money tokens, to which such requirements do not apply, should remain supervised by their respective competent authorities. The dual supervision should address the very specific nature of the risks posed by e-money tokens, and should not set a precedent for any other Union legislative acts on financial services.
- (104) Significant e-money tokens denominated in an official currency of a Member State other than the euro which are used as a means of exchange and in order to settle large volumes of payment transactions can, although unlikely to occur, pose specific risks to the monetary sovereignty of the Member State in whose official currency they are denominated. Where at least 80 % of the number of holders and of the volume of transactions of those significant e-money tokens are concentrated in the home Member State, the supervisory responsibilities should not be transferred to EBA.

- (105) EBA should establish a college of supervisors for each issuer of significant asset-referenced tokens and of significant e-money tokens. Since issuers of significant asset-referenced tokens and of significant e-money tokens are usually at the centre of a network of entities that ensure the issuance, transfer and distribution of such crypto-assets, the members of the college of supervisors for each issuer should therefore include, amongst others, the competent authorities of the most relevant trading platforms for crypto-assets, in cases where the significant asset-referenced tokens or the significant e-money tokens are admitted to trading, and the competent authorities of the most relevant entities and crypto-asset service providers ensuring the custody and administration of the significant asset-referenced tokens and of significant e-money tokens on behalf of holders. The college of supervisors for issuers of significant asset-referenced tokens and of significant e-money tokens should facilitate the cooperation and exchange of information among its members and should issue non-binding opinions on, amongst others, changes to the authorisation of, or supervisory measures concerning, such issuers.
- (106) To supervise issuers of significant asset-referenced tokens and of significant e-money tokens, EBA should have the powers, amongst others, to carry out on-site inspections, take supervisory measures and impose fines.

- (107) EBA should charge fees to issuers of significant asset-referenced tokens and of significant e-money tokens to cover its costs, including for overheads. For issuers of significant asset-referenced tokens, the fee should be proportionate to the size of their reserve of assets. For issuers of significant e-money tokens, the fee should be proportionate to the amount of funds received in exchange for the significant e-money tokens.

(108) In order to ensure the effectiveness of this Regulation, the power to adopt acts in accordance with Article 290 TFEU should be delegated to the Commission in respect of further specifying technical elements of the definitions set out in this Regulation in order to adjust them to market and technological developments, further specifying certain criteria to determine whether an asset-referenced token or an e-money token should be classified as significant, determining when there is a significant investor protection concern or a threat to the proper functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system of the Union, further specifying the procedural rules for the exercise of the power of EBA to impose fines or periodic penalty payments, including provisions on the rights of the defence, temporal provisions, and the collection of fines or periodic penalty payments, and the limitation periods for the imposition and enforcement of fines and periodic penalty payments, and further specifying the type and amount of supervisory fees that EBA can charge to the issuers of significant asset-referenced tokens or significant e-money tokens. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making¹. In particular, to ensure equal participation in the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts.

¹ OJ L 123, 12.5.2016, p. 1.

(109) In order to promote the consistent application of this Regulation across the Union, including the adequate protection of holders of crypto-assets and clients of crypto-asset service providers, in particular when they are consumers, technical standards should be developed. It is efficient and appropriate to entrust EBA and ESMA, as bodies with highly specialised expertise, with the development of draft regulatory technical standards, which do not involve policy choices, for submission to the Commission.

- (110) The Commission should be empowered to adopt regulatory technical standards developed by EBA and ESMA with regard to: the content, methodologies and presentation of information in a crypto-asset white paper on principal adverse impacts on the climate and other environment- related adverse impacts of the consensus mechanism used to issue the crypto-asset; the procedure for approval of crypto-asset white papers submitted by credit institutions when issuing asset-referenced tokens; the information that an application for authorisation as an issuer of asset-referenced tokens should contain; the methodology to estimate the quarterly average number and average aggregate value of transactions per day associated to uses of asset-referenced tokens and e-money tokens denominated in a currency which is not an official currency of a Member State as a means of exchange in each single currency area; the requirements, templates and procedures for handling complaints of holders of asset-referenced tokens and of clients of crypto-asset service providers; the requirements for the policies and procedures to identify, prevent, manage and disclose conflicts of interest of issuers of asset-referenced tokens and the details and methodology for the content of that disclosure; the procedure and timeframe for an issuer of asset-referenced tokens and significant e-money tokens to adjust to higher own funds requirements, the criteria for requiring higher own funds, the minimum requirements for the design of stress testing programmes; the liquidity requirements for the reserve of assets; the financial instruments into which the reserve of assets can be invested; detailed content of information necessary to carry out the assessment of the proposed acquisition of the qualifying holding in an issuer of asset-referenced tokens; requirements for additional obligations for issuers of significant asset-referenced tokens; the information that credit institutions, central securities depositories, investment firms, market operators, electronic money institutions, UCITS management companies and alternative investment fund managers who intend to provide crypto-asset services notify to competent authorities;

the information that an application for the authorisation of crypto-asset service provider contains; the content, methodologies and presentation of information that the crypto-assets service provider makes publicly available and that is related to principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism used to issue each crypto-asset in relation to which they provide services; measures ensuring continuity and regularity in the performance of the crypto-asset services and the records to be kept of all crypto-asset services, orders and transactions that they undertake; the requirements for the policies to identify, prevent, manage and disclose conflicts of interest of crypto-asset service providers and the details and methodology for the content of that disclosure; the manner in which transparency data of the operator of a trading platform is to be offered and the content and format of order book records regarding the trading platform; the detailed content of the information necessary to carry out the assessment of the proposed acquisition of the qualifying holding in a crypto-asset service provider; the appropriate arrangements, systems and procedures for monitoring and detecting market abuse; the notification template for reporting suspicions of market abuse and coordination procedures between the relevant competent authorities for the detection of market abuse; the information to be exchanged between the competent authorities; a template document for cooperation arrangements between the competent authorities of Member States and supervisory authorities of third countries; the data necessary for the classification of crypto-asset white papers in ESMA's register and the practical arrangements to ensure that such data is machine-readable; the conditions under which certain members of college of supervisors for issuers of significant asset-referenced tokens and issuers of significant e-money tokens are to be considered most relevant in their category; and the conditions under which it is considered that asset-referenced tokens or e-money tokens are used at a large scale for the purposes of qualifying certain members of that college and details of the practical arrangements for the functioning of that college. The Commission should adopt those regulatory technical standards by means of delegated acts pursuant to Article 290 TFEU and in accordance with Articles 10 to 14 of Regulations (EU) No 1093/2010 and of (EU) No 1095/2010, respectively.

(111) The Commission should be empowered to adopt implementing technical standards developed by EBA and ESMA, with regard to: establishing standard forms, formats and templates for crypto-asset white papers; establishing standard forms, templates and procedures to transmit information for the purposes of the application for authorisation as an issuer of asset-referenced tokens; establishing standard forms, formats and templates for the purposes of reporting on asset-referenced tokens and e-money tokens denominated in a currency which is not an official currency of a Member State that are issued with a value higher than EUR 100 000 000; establishing standard forms, templates and procedures for the notification of information to competent authorities by credit institutions, central securities depositories, investment firms, market operators, electronic money institutions, UCITS management companies and alternative investment fund managers who intend to provide crypto-asset services; establishing standard forms, templates and procedures for the application for authorisation as crypto-asset service providers; determining the technical means for public disclosure of inside information and for delaying the public disclosure of inside information; and establishing standard forms, templates and procedures for the cooperation and exchange of information between competent authorities and between competent authorities, EBA and ESMA. The Commission should adopt those implementing technical standards by means of implementing acts pursuant to Article 291 TFEU and in accordance with Article 15 of Regulation (EU) No 1093/2010 and Article 15 of Regulation (EU) No 1095/2010.

(112) Since the objectives of this Regulation, namely addressing the fragmentation of the legal framework applicable to offerors or persons seeking the admission to trading of crypto-assets other than asset-referenced tokens and e-money tokens, to issuers of asset-referenced tokens and e-money tokens and to crypto-asset service providers, and ensuring the proper functioning of markets in crypto-assets while ensuring the protection of holders of crypto-assets and clients of crypto-asset service providers, in particular retail holders, as well as the protection of market integrity and financial stability, cannot be sufficiently achieved by the Member States but can rather, by creating a framework on which a larger cross-border market in crypto-assets and crypto-asset service providers could develop, be better achieved at Union level, the Union may adopt measures, in accordance with the principle of subsidiarity as set out in Article 5 of the Treaty on European Union. In accordance with the principle of proportionality as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve those objectives.

- (113) In order to avoid disrupting market participants that provide services and activities in relation to crypto-assets other than asset-referenced tokens and e-money tokens that have been issued before the date of application of this Regulation, issuers of such crypto-assets should be exempt from the obligation to publish a crypto-asset white paper and certain other requirements of this Regulation. However, certain obligations should apply when such crypto-assets were admitted to trading before the date of application of this Regulation. In order to avoid disruption to existing market participants, transitional provisions are necessary for issuers of asset-referenced tokens that were in operation at the time of entry into application of this Regulation.
- (114) Since the national regulatory frameworks applicable to crypto-asset service providers before the entry into application of this Regulation differ among Member States, it is essential that those Member States that do not, at present, have in place strong prudential requirements for crypto-asset service providers currently operating under their regulatory frameworks have the possibility of requiring such crypto-asset service providers to be subject to stricter requirements than those under the national regulatory frameworks. In such cases, Member States should be permitted to not apply, or to reduce, the 18-month transitional period that would otherwise allow crypto-asset service providers to provide services based on their existing national regulatory framework. Such an option for Member States should not set a precedent for any other Union legislative acts on financial services.

- (115) Whistleblowers should be able to bring new information to the attention of competent authorities that helps them in detecting infringements of this Regulation and imposing penalties. This Regulation should therefore ensure that adequate arrangements are in place to enable whistleblowers to alert competent authorities to actual or potential infringements of this Regulation and to protect them from retaliation. That should be done by amending Directive (EU) 2019/1937 of the European Parliament and of the Council¹ in order to make it applicable to infringements of this Regulation.
- (116) Given that EBA should be mandated with the direct supervision of issuers of significant asset-referenced tokens and of significant e-money tokens, and ESMA should be mandated to make use of its powers in relation to significant crypto-asset service providers, it is necessary to ensure that EBA and ESMA are able to exercise all of their powers and tasks in order to fulfil their objectives of protecting the public interest by contributing to the short-, medium- and long-term stability and effectiveness of the financial system for the Union economy, its citizens and businesses and to ensure that issuers of crypto-assets and crypto-asset service providers are covered by Regulations (EU) No 1093/2010 and (EU) No 1095/2010. Those Regulations should therefore be amended accordingly.

¹ Directive (EU) 2019/1937 of the European Parliament and of the Council of 23 October 2019 on the protection of persons who report breaches of Union law (OJ L 305, 26.11.2019, p. 17).

- (117) The issuance, offer or seeking of admission to trading of crypto-assets and the provision of crypto-asset services could involve the processing of personal data. Any processing of personal data under this Regulation should be carried out in accordance with applicable Union law on the protection of personal data. This Regulation is without prejudice to the rights and obligations under Regulation (EU) 2016/679 of the European Parliament and of the Council¹ and Regulation (EU) 2018/1725 of the European Parliament and of the Council².
- (118) The European Data Protection Supervisor was consulted in accordance with Article 42(1) of Regulation (EU) 2018/1725 and delivered an opinion on 24 June 2021³.
- (119) The date of application of this Regulation should be deferred in order to allow for the adoption of regulatory technical standards, implementing technical standards and delegated acts that are necessary to further specify certain elements of this Regulation,

HAVE ADOPTED THIS REGULATION:

¹ Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation) (OJ L 119, 4.5.2016, p. 1).

² Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data, and repealing Regulation (EC) No 45/2001 and Decision No 1247/2002/EC (OJ L 295, 21.11.2018, p. 39).

³ OJ C 337, 23.8.2021, p. 4.

TITLE I

SUBJECT MATTER, SCOPE AND DEFINITIONS

Article 1

Subject matter

1. This Regulation lays down uniform requirements for the offer to the public and admission to trading on a trading platform of crypto-assets other than asset-referenced tokens and e-money tokens, of asset-referenced tokens and of e-money tokens, as well as requirements for crypto-asset service providers.
2. In particular, this Regulation lays down the following:
 - (a) transparency and disclosure requirements for the issuance, offer to the public and admission of crypto-assets to trading on a trading platform for crypto-assets ('admission to trading');
 - (b) requirements for the authorisation and supervision of crypto-asset service providers, issuers of asset-referenced tokens and issuers of e-money tokens, as well as for their operation, organisation and governance;

- (c) requirements for the protection of holders of crypto-assets in the issuance, offer to the public and admission to trading of crypto-assets;
- (d) requirements for the protection of clients of crypto-asset service providers;
- (e) measures to prevent insider dealing, unlawful disclosure of inside information and market manipulation related to crypto-assets, in order to ensure the integrity of markets in crypto-assets.

Article 2

Scope

1. This Regulation applies to natural and legal persons and certain other undertakings that are engaged in the issuance, offer to the public and admission to trading of crypto-assets or that provide services related to crypto-assets in the Union.
2. This Regulation does not apply to:
 - (a) persons who provide crypto-asset services exclusively for their parent companies, for their own subsidiaries or for other subsidiaries of their parent companies;
 - (b) a liquidator or an administrator acting in the course of an insolvency procedure, except for the purposes of Article 47;

- (c) the ECB, central banks of the Member States when acting in their capacity as monetary authorities, or other public authorities of the Member States;
 - (d) the European Investment Bank and its subsidiaries;
 - (e) the European Financial Stability Facility and the European Stability Mechanism;
 - (f) public international organisations.
3. This Regulation does not apply to crypto-assets that are unique and not fungible with other crypto-assets.
4. This Regulation does not apply to crypto-assets that qualify as one or more of the following:
- (a) financial instruments;
 - (b) deposits, including structured deposits;
 - (c) funds, except if they qualify as e-money tokens;
 - (d) securitisation positions in the context of a securitisation as defined in Article 2, point (1), of Regulation (EU) 2017/2402;

- (e) non-life or life insurance products falling within the classes of insurance listed in Annexes I and II to Directive 2009/138/EC of the European Parliament and of the Council¹ or reinsurance and retrocession contracts referred to in that Directive;
- (f) pension products that, under national law, are recognised as having the primary purpose of providing the investor with an income in retirement and that entitle the investor to certain benefits;
- (g) officially recognised occupational pension schemes falling within the scope of Directive (EU) 2016/2341 of the European Parliament and of the Council² or Directive 2009/138/EC;
- (h) individual pension products for which a financial contribution from the employer is required by national law and where the employer or the employee has no choice as to the pension product or provider;

¹ Directive 2009/138/EC of the European Parliament and of the Council of 25 November 2009 on the taking-up and pursuit of the business of Insurance and Reinsurance (Solvency II) (OJ L 335, 17.12.2009, p. 1).

² Directive (EU) 2016/2341 of the European Parliament and of the Council of 14 December 2016 on the activities and supervision of institutions for occupational retirement provision (IORPs) ((OJ L 354, 23.12.2016, p. 37).

- (i) a pan-European Personal Pension Product as defined in Article 2, point (2), of Regulation (EU) 2019/1238 of the European Parliament and of the Council¹;
 - (j) social security schemes covered by Regulations (EC) No 883/2004² and (EC) No 987/2009 of the European Parliament and of the Council³.
5. By ... [18 months after the date of entry into force of this Regulation], ESMA shall, for the purposes of paragraph 4, point (a), of this Article issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 on the conditions and criteria for the qualification of crypto-assets as financial instruments.
6. This Regulation shall be without prejudice to Regulation (EU) No 1024/2013.

Article 3

Definitions

1. For the purposes of this Regulation, the following definitions apply:
- (1) ‘distributed ledger technology’ or ‘DLT’ means a technology that enables the operation and use of distributed ledgers;

¹ Regulation (EU) 2019/1238 of the European Parliament and of the Council of 20 June 2019 on a pan-European Personal Pension Product (PEPP) (OJ L 198, 25.7.2019, p. 1).

² Regulation (EC) No 883/2004 of the European Parliament and of the Council of 29 April 2004 on the coordination of social security systems (OJ L 166, 30.4.2004, p. 1).

³ Regulation (EC) No 987/2009 of the European Parliament and of the Council of 16 September 2009 laying down the procedure for implementing Regulation (EC) No 883/2004 on the coordination of social security systems (OJ L 284, 30.10.2009, p. 1).

- (2) ‘distributed ledger’ means an information repository that keeps records of transactions and that is shared across, and synchronised between, a set of DLT network nodes using a consensus mechanism;
- (3) ‘consensus mechanism’ means the rules and procedures by which an agreement is reached, among DLT network nodes, that a transaction is validated;
- (4) ‘DLT network node’ means a device or process that is part of a network and that holds a complete or partial replica of records of all transactions on a distributed ledger;
- (5) ‘crypto-asset’ means a digital representation of a value or of a right that is able to be transferred and stored electronically using distributed ledger technology or similar technology;
- (6) ‘asset-referenced token’ means a type of crypto-asset that is not an electronic money token and that purports to maintain a stable value by referencing another value or right or a combination thereof, including one or more official currencies;
- (7) ‘electronic money token’ or ‘e-money token’ means a type of crypto-asset that purports to maintain a stable value by referencing the value of one official currency;
- (8) ‘official currency’ means an official currency of a country that is issued by a central bank or other monetary authority;

- (9) ‘utility token’ means a type of crypto-asset that is only intended to provide access to a good or a service supplied by its issuer;
- (10) ‘issuer’ means a natural or legal person, or other undertaking, who issues crypto-assets;
- (11) ‘applicant issuer’ means an issuer of asset-referenced tokens or e-money tokens who applies for authorisation to offer to the public or seeks the admission to trading of those crypto-assets;
- (12) ‘offer to the public’ means a communication to persons in any form, and by any means, presenting sufficient information on the terms of the offer and the crypto-assets to be offered so as to enable prospective holders to decide whether to purchase those crypto-assets;
- (13) ‘offeror’ means a natural or legal person, or other undertaking, or the issuer, who offers crypto-assets to the public;
- (14) ‘funds’ means funds as defined in Article 4, point (25), of Directive (EU) 2015/2366;
- (15) ‘crypto-asset service provider’ means a legal person or other undertaking whose occupation or business is the provision of one or more crypto-asset services to clients on a professional basis, and that is allowed to provide crypto-asset services in accordance with Article 59;

- (16) ‘crypto-asset service’ means any of the following services and activities relating to any crypto-asset:
- (a) providing custody and administration of crypto-assets on behalf of clients;
 - (b) operation of a trading platform for crypto-assets;
 - (c) exchange of crypto-assets for funds;
 - (d) exchange of crypto-assets for other crypto-assets;
 - (e) execution of orders for crypto-assets on behalf of clients;
 - (f) placing of crypto-assets;
 - (g) reception and transmission of orders for crypto-assets on behalf of clients;
 - (h) providing advice on crypto-assets;
 - (i) providing portfolio management on crypto-assets;
 - (j) providing transfer services for crypto-assets on behalf of clients;

- (17) ‘providing custody and administration of crypto-assets on behalf of clients’ means the safekeeping or controlling, on behalf of clients, of crypto-assets or of the means of access to such crypto-assets, where applicable in the form of private cryptographic keys;
- (18) ‘operation of a trading platform for crypto-assets’ means the management of one or more multilateral systems, which bring together or facilitate the bringing together of multiple third-party purchasing and selling interests in crypto-assets, in the system and in accordance with its rules, in a way that results in a contract, either by exchanging crypto-assets for funds or by the exchange of crypto-assets for other crypto-assets;
- (19) ‘exchange of crypto-assets for funds’ means the conclusion of purchase or sale contracts concerning crypto-assets with clients for funds by using proprietary capital;
- (20) ‘exchange of crypto-assets for other crypto-assets’ means the conclusion of purchase or sale contracts concerning crypto-assets with clients for other crypto-assets by using proprietary capital;

- (21) ‘execution of orders for crypto-assets on behalf of clients’ means the conclusion of agreements, on behalf of clients, to purchase or sell one or more crypto-assets or the subscription on behalf of clients for one or more crypto-assets, and includes the conclusion of contracts to sell crypto-assets at the moment of their offer to the public or admission to trading;
- (22) ‘placing of crypto-assets’ means the marketing, on behalf of or for the account of the offeror or a party related to the offeror, of crypto-assets to purchasers;
- (23) ‘reception and transmission of orders for crypto-assets on behalf of clients’ means the reception from a person of an order to purchase or sell one or more crypto-assets or to subscribe for one or more crypto-assets and the transmission of that order to a third party for execution;
- (24) ‘providing advice on crypto-assets’ means offering, giving or agreeing to give personalised recommendations to a client, either at the client’s request or on the initiative of the crypto-asset service provider providing the advice, in respect of one or more transactions relating to crypto-assets, or the use of crypto-asset services;
- (25) ‘providing portfolio management of crypto-assets’ means managing portfolios in accordance with mandates given by clients on a discretionary client-by-client basis where such portfolios include one or more crypto-assets;

- (26) ‘providing transfer services for crypto-assets on behalf of clients’ means providing services of transfer, on behalf of a natural or legal person, of crypto-assets from one distributed ledger address or account to another;
- (27) ‘management body’ means the body or bodies of an issuer, offeror or person seeking admission to trading, or of a crypto-asset service provider, which are appointed in accordance with national law, which are empowered to set the entity’s strategy, objectives and overall direction, and which oversee and monitor management decision-making in the entity and include the persons who effectively direct the business of the entity;
- (28) ‘credit institution’ means a credit institution as defined in Article 4(1), point (1), of Regulation (EU) No 575/2013 and authorised under Directive 2013/36/EU;
- (29) ‘investment firm’ means an investment firm as defined in Article 4(1), point (2), of Regulation (EU) No 575/2013 and authorised under Directive 2014/65/EU;
- (30) ‘qualified investors’ means persons or entities that are listed in Section I, points (1) to (4), of Annex II to Directive 2014/65/EU;
- (31) ‘close links’ means close links as defined in Article 4(1), point (35), of Directive 2014/65/EU;

- (32) ‘reserve of assets’ means the basket of reserve assets securing the claim against the issuer;
- (33) ‘home Member State’ means:
- (a) where the offeror or person seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens has its registered office in the Union, the Member State where that offeror or person has its registered office;
 - (b) where the offeror or person seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens has no registered office in the Union but does have one or more branches in the Union, the Member State chosen by that offeror or person from among the Member States where it has branches;
 - (c) where the offeror or person seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens is established in a third country and has no branch in the Union, either the Member State where the crypto-assets are intended to be offered to the public for the first time or, at the choice of the offeror or person seeking admission to trading, the Member State where the first application for admission to trading of those crypto-assets is made;
 - (d) in the case of an issuer of asset-referenced tokens, the Member State where the issuer of asset-referenced tokens has its registered office;

- (e) in the case of an issuer of e-money tokens, the Member State where the issuer of e-money tokens is authorised as a credit institution under Directive 2013/36/EU or as an electronic money institution under Directive 2009/110/EC;
 - (f) in the case of crypto-asset service providers, the Member State where the crypto-asset service provider has its registered office;
- (34) ‘host Member State’ means the Member State where an offeror or person seeking admission to trading has made an offer to the public of crypto-assets or is seeking admission to trading, or where a crypto-asset service provider provides crypto-asset services, where different from the home Member State;
- (35) ‘competent authority’ means one or more authorities:
- (a) designated by each Member State in accordance with Article 93 concerning offerors, persons seeking admission to trading of crypto-assets other than asset-referenced tokens and e-money tokens, issuers of asset-referenced tokens, or crypto-asset service providers;
 - (b) designated by each Member State for the application of Directive 2009/110/EC concerning issuers of e-money tokens;

- (36) ‘qualifying holding’ means any direct or indirect holding in an issuer of asset-referenced tokens or in a crypto-asset service provider which represents at least 10 % of the capital or of the voting rights, as set out in Articles 9 and 10 of Directive 2004/109/EC of the European Parliament and of the Council¹, respectively, taking into account the conditions for the aggregation thereof laid down in Article 12(4) and (5) of that Directive, or which makes it possible to exercise a significant influence over the management of the issuer of asset-referenced tokens or the management of the crypto-asset service provider in which that holding subsists;
- (37) ‘retail holder’ means any natural person who is acting for purposes which are outside that person’s trade, business, craft or profession;
- (38) ‘online interface’ means any software, including a website, part of a website or an application, that is operated by or on behalf of an offeror or crypto-asset service provider, and which serves to give holders of crypto-assets access to their crypto-assets and to give clients access to crypto-asset services;
- (39) ‘client’ means any natural or legal person to whom a crypto-asset service provider provides crypto-asset services;
- (40) ‘matched principal trading’ means matched principal trading as defined in Article 4(1), point (38), of Directive 2014/65/EU;

¹ Directive 2004/109/EC of the European Parliament and of the Council of 15 December 2004 on the harmonisation of transparency requirements in relation to information about issuers whose securities are admitted to trading on a regulated market and amending Directive 2001/34/EC (OJ L 390, 31.12.2004, p. 38).

- (41) ‘payment services’ means payment services as defined in Article 4, point (3), of Directive (EU) 2015/2366;
- (42) ‘payment service provider’ means a payment service provider as defined in Article 4, point (11), of Directive (EU) 2015/2366;
- (43) ‘electronic money institution’ means an electronic money institution as defined in Article 2, point (1), of Directive 2009/110/EC;
- (44) ‘electronic money’ means electronic money as defined in Article 2, point (2), of Directive 2009/110/EC;
- (45) ‘personal data’ means personal data as defined in Article 4, point (1), of Regulation (EU) 2016/679;
- (46) ‘payment institution’ means a payment institution as defined in Article 4, point (4), of Directive (EU) 2015/2366;
- (47) ‘UCITS management company’ means a management company as defined in Article 2(1), point (b), of Directive 2009/65/EC of the European Parliament and of the Council¹;

¹ Directive 2009/65/EC of the European Parliament and of the Council of 13 July 2009 on the coordination of laws, regulations and administrative provisions relating to undertakings for collective investment in transferable securities (UCITS) (OJ L 302, 17.11.2009, p. 32).

- (48) ‘alternative investment fund manager’ means an AIFM as defined in Article 4(1), point (b), of Directive 2011/61/EU of the European Parliament and of the Council¹;
- (49) ‘financial instrument’ means financial instruments as defined in Article 4(1), point (15), of Directive 2014/65/EU;
- (50) ‘deposit’ means a deposit as defined in Article 2(1), point (3), of Directive 2014/49/EU;
- (51) ‘structured deposit’ means a structured deposit as defined in Article 4(1), point (43), of Directive 2014/65/EU.

2. The Commission shall adopt delegated acts in accordance with Article 139 to supplement this Regulation by further specifying technical elements of the definitions laid down in paragraph 1 of this Article, and to adjust those definitions to market developments and technological developments.

¹ Directive 2011/61/EU of the European Parliament and of the Council of 8 June 2011 on Alternative Investment Fund Managers and amending Directives 2003/41/EC and 2009/65/EC and Regulations (EC) No 1060/2009 and (EU) No 1095/2010 (OJ L 174, 1.7.2011, p. 1).

TITLE II
CRYPTO-ASSETS OTHER THAN ASSET-REFERENCED
TOKENS OR E-MONEY TOKENS

Article 4

Offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens

1. A person shall not make an offer to the public of a crypto-asset other than an asset-referenced token or e-money token in the Union unless that person:
 - (a) is a legal person;
 - (b) has drawn up a crypto-asset white paper in respect of that crypto-asset in accordance with Article 6;
 - (c) has notified the crypto-asset white paper in accordance with Article 8;
 - (d) has published the crypto-asset white paper in accordance with Article 9;
 - (e) has drafted the marketing communications, if any, in respect of that crypto-asset in accordance with Article 7;

- (f) has published the marketing communications, if any, in respect of that crypto-asset in accordance with Article 9;
 - (g) complies with the requirements for offerors laid down in Article 14.
2. Paragraph 1, points (b), (c), (d) and (f), shall not apply to any of the following offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens:
- (a) an offer to fewer than 150 natural or legal persons per Member State where such persons are acting on their own account;
 - (b) over a period of 12 months, starting with the beginning of the offer, the total consideration of an offer to the public of a crypto-asset in the Union does not exceed EUR 1 000 000, or the equivalent amount in another official currency or in crypto-assets;
 - (c) an offer of a crypto-asset addressed solely to qualified investors where the crypto-asset can only be held by such qualified investors.
3. This Title shall not apply to offers to the public of crypto-assets other than asset-referenced tokens or e-money tokens where any of the following apply:
- (a) the crypto-asset is offered for free;

- (b) the crypto-asset is automatically created as a reward for the maintenance of the distributed ledger or the validation of transactions;
- (c) the offer concerns a utility token providing access to a good or service that exists or is in operation;
- (d) the holder of the crypto-asset has the right to use it only in exchange for goods and services in a limited network of merchants with contractual arrangements with the offeror.

For the purposes of point (a) of the first subparagraph, a crypto-asset shall not be considered to be offered for free where purchasers are required to provide, or to undertake to provide, personal data to the offeror in exchange for that crypto-asset, or where the offeror of a crypto-asset receives from prospective holders of that crypto-asset any fees, commissions, or monetary or non-monetary benefits in exchange for that crypto-asset.

Where, for each 12-month period starting from the beginning of the initial offer to the public, the total consideration of an offer to the public of a crypto-asset in the circumstances referred to in the first subparagraph, point (d), in the Union exceeds EUR 1 000 000, the offeror shall send a notification to the competent authority containing a description of the offer and explaining why the offer is exempt from this Title pursuant to the first subparagraph, point (d).

Based on the notification referred to in the third subparagraph, the competent authority shall take a duly justified decision where it considers that the activity does not qualify for an exemption as a limited network under the first subparagraph, point (d), and shall inform the offeror accordingly.

4. The exemptions listed in paragraphs 2 and 3 shall not apply where the offeror, or another person acting on the offeror's behalf, makes known in any communication its intention to seek admission to trading of a crypto-asset other than an asset-referenced token or e-money token.
5. Authorisation as a crypto-asset service provider pursuant to Article 59 is not required for providing custody and administration of crypto-assets on behalf of clients or for providing transfer services for crypto-assets in relation to crypto-assets whose offers to the public are exempt pursuant to paragraph 3 of this Article, unless:
 - (a) there exists another offer to the public of the same crypto-asset and that offer does not benefit from the exemption; or
 - (b) the crypto-asset offered is admitted to a trading platform.
6. Where the offer to the public of the crypto-asset other than an asset-referenced token or e-money token concerns a utility token providing access to goods and services that do not yet exist or are not yet in operation, the duration of the offer to the public as described in the crypto-asset white paper shall not exceed 12 months from the date of publication of the crypto-asset white paper.

7. Any subsequent offer to the public of the crypto-asset other than an asset-referenced token or e-money token shall be deemed a separate offer to the public to which the requirements of paragraph 1 apply, without prejudice to the possible application of paragraph 2 or 3 to the subsequent offer to the public.

No additional crypto-asset white paper shall be required for any subsequent offer to the public of the crypto-asset other than an asset-referenced token or e-money token so long as a crypto-asset white paper has been published in accordance with Articles 9 and 12, and the person responsible for drawing up such white paper consents to its use in writing.

8. Where an offer to the public of a crypto-asset other than an asset-referenced token or e-money token is exempt from the obligation to publish a crypto-asset white paper under paragraph 2 or 3, but a white paper is nevertheless drawn up voluntarily, this Title shall apply.

Article 5

Admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens

1. A person shall not seek admission to trading of a crypto-asset other than an asset-referenced token or e-money token within the Union unless that person:
 - (a) is a legal person;

- (b) has drawn up a crypto-asset white paper in respect of that crypto-asset in accordance with Article 6;
- (c) has notified the crypto-asset white paper in accordance with Article 8;
- (d) has published the crypto-asset white paper in accordance with Article 9;
- (e) has drafted the marketing communications, if any, in respect of that crypto-asset in accordance with Article 7;
- (f) has published the marketing communications, if any, in respect of that crypto-asset in accordance with Article 9;
- (g) complies with the requirements for persons seeking admission to trading laid down in Article 14.

2. When a crypto-asset is admitted to trading on the initiative of the operator of a trading platform and a crypto-asset white paper has not been published in accordance with Article 9 in the cases required by this Regulation, the operator of that trading platform for crypto-assets shall comply with the requirements set out in paragraph 1 of this Article.

3. By way of derogation from paragraph 1, a person seeking admission to trading of a crypto-asset other than an asset-referenced token or e-money token and the respective operator of the trading platform may agree in writing that it shall be the operator of the trading platform who is required to comply with all or part of the requirements referred to in paragraph 1, points (b) to (g).

The agreement in writing referred to in the first subparagraph of this paragraph shall clearly state that the person seeking admission to trading is required to provide the operator of the trading platform with all necessary information to enable that operator to satisfy the requirements referred to in paragraph 1, points (b) to (g), as applicable.

4. Paragraph 1, points (b), (c) and (d), shall not apply where:
 - (a) the crypto-asset is already admitted to trading on another trading platform for crypto-assets in the Union; and
 - (b) the crypto-asset white paper is drawn up in accordance with Article 6, updated in accordance with Article 12, and the person responsible for drawing up such white paper consents to its use in writing.

Article 6

Content and form of the crypto-asset white paper

1. A crypto-asset white paper shall contain all of the following information, as further specified in Annex I:
 - (a) information about the offeror or the person seeking admission to trading;
 - (b) information about the issuer, if different from the offeror or person seeking admission to trading;
 - (c) information about the operator of the trading platform in cases where it draws up the crypto-asset white paper;
 - (d) information about the crypto-asset project;
 - (e) information about the offer to the public of the crypto-asset or its admission to trading;
 - (f) information about the crypto-asset;
 - (g) information on the rights and obligations attached to the crypto-asset;
 - (h) information on the underlying technology;

- (i) information on the risks;
- (j) information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism used to issue the crypto-asset.

In cases where the crypto-asset white paper is not drawn up by the persons referred to in the first subparagraph, points (a), (b) and (c), the crypto-asset white paper shall also include the identity of the person that drew up the crypto-asset white paper and the reason why that particular person drew it up.

2. All of the information listed in paragraph 1 shall be fair, clear and not misleading. The crypto-asset white paper shall not contain material omissions and shall be presented in a concise and comprehensible form.
3. The crypto-asset white paper shall contain the following clear and prominent statement on the first page:

‘This crypto-asset white paper has not been approved by any competent authority in any Member State of the European Union. The offeror of the crypto-asset is solely responsible for the content of this crypto-asset white paper.’.

Where the crypto-asset white paper is drawn up by the person seeking admission to trading or by an operator of a trading platform, then, instead of ‘offeror’, a reference to ‘person seeking admission to trading’ or ‘operator of the trading platform’ shall be included in the statement referred to in the first subparagraph.

4. The crypto-asset white paper shall not contain any assertions as regards the future value of the crypto-asset, other than the statement referred to in paragraph 5.
5. The crypto-asset white paper shall contain a clear and unambiguous statement that:
 - (a) the crypto-asset may lose its value in part or in full;
 - (b) the crypto-asset may not always be transferable;
 - (c) the crypto-asset may not be liquid;
 - (d) where the offer to the public concerns a utility token, that utility token may not be exchangeable against the good or service promised in the crypto-asset white paper, especially in the case of a failure or discontinuation of the crypto-asset project;
 - (e) the crypto-asset is not covered by the investor compensation schemes under Directive 97/9/EC of the European Parliament and of the Council¹;
 - (f) the crypto-asset is not covered by the deposit guarantee schemes under Directive 2014/49/EU.

¹ Directive 97/9/EC of the European Parliament and of the Council of 3 March 1997 on investor-compensation schemes (OJ L 84, 26.3.1997, p. 22).

6. The crypto-asset white paper shall contain a statement from the management body of the offeror, the person seeking admission to trading or the operator of the trading platform. That statement, which shall be inserted after the statement referred to in paragraph 3, shall confirm that the crypto-asset white paper complies with this Title and that, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.
7. The crypto-asset white paper shall contain a summary, inserted after the statement referred to in paragraph 6, which shall in brief and non-technical language provide key information about the offer to the public of the crypto-asset or the intended admission to trading. The summary shall be easily understandable and presented and laid out in a clear and comprehensive format, using characters of readable size. The summary of the crypto-asset white paper shall provide appropriate information about the characteristics of the crypto-asset concerned in order to help prospective holders of the crypto-asset to make an informed decision.

The summary shall contain a warning that:

- (a) it should be read as an introduction to the crypto-asset white paper;
- (b) the prospective holder should base any decision to purchase the crypto-asset on the content of the crypto-asset white paper as a whole and not on the summary alone;

- (c) the offer to the public of the crypto-asset does not constitute an offer or solicitation to purchase financial instruments and that any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law;
- (d) the crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 of the European Parliament and of the Council¹ or any other offer document pursuant to Union or national law.

8. The crypto-asset white paper shall contain the date of its notification and a table of contents.
9. The crypto-asset white paper shall be drawn up in an official language of the home Member State, or in a language customary in the sphere of international finance.

Where the crypto-asset is also offered in a Member State other than the home Member State, the crypto-asset white paper shall also be drawn up in an official language of the host Member State, or in a language customary in the sphere of international finance.

10. The crypto-asset white paper shall be made available in a machine-readable format.

¹ Regulation (EU) 2017/1129 of the European Parliament and of the Council of 14 June 2017 on the prospectus to be published when securities are offered to the public or admitted to trading on a regulated market, and repealing Directive 2003/71/EC (OJ L 168, 30.6.2017, p. 12).

11. ESMA, in cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, formats and templates for the purposes of paragraph 10.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

12. ESMA, in cooperation with EBA, shall develop draft regulatory technical standards on the content, methodologies and presentation of the information referred to in paragraph 1, first subparagraph, point (j), in respect of the sustainability indicators in relation to adverse impacts on the climate and other environment- related adverse impacts.

When developing the draft regulatory technical standards referred to in the first subparagraph, ESMA shall consider the various types of consensus mechanisms used to validate transactions in crypto-assets, their incentive structures and the use of energy, renewable energy and natural resources, the production of waste and greenhouse gas emissions. ESMA shall update those regulatory technical standards in the light of regulatory and technological developments.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 7

Marketing communications

1. Any marketing communications relating to an offer to the public of a crypto-asset other than an asset-referenced token or e-money token, or to the admission to trading of such crypto-asset, shall comply with all of the following requirements:
 - (a) the marketing communications are clearly identifiable as such;
 - (b) the information in the marketing communications is fair, clear and not misleading;
 - (c) the information in the marketing communications is consistent with the information in the crypto-asset white paper, where such crypto-asset white paper is required pursuant to Article 4 or 5;

- (d) the marketing communications clearly state that a crypto-asset white paper has been published and clearly indicate the address of the website of the offeror, the person seeking admission to trading, or the operator of the trading platform for the crypto-asset concerned, as well as a telephone number and an email address to contact that person;
- (e) the marketing communications contain the following clear and prominent statement:

‘This crypto-asset marketing communication has not been reviewed or approved by any competent authority in any Member State of the European Union. The offeror of the crypto-asset is solely responsible for the content of this crypto-asset marketing communication.’.

Where the marketing communication is prepared by the person seeking admission to trading or the operator of a trading platform, then, instead of ‘offeror’, a reference to ‘person seeking admission to trading’ or ‘operator of the trading platform’ shall be included in the statement referred to in the first subparagraph, point (e).

2. Where a crypto-asset white paper is required pursuant to Article 4 or 5, no marketing communications shall be disseminated prior to the publication of the crypto-asset white paper. The ability of the offeror, the person seeking admission to trading or the operator of a trading platform, to conduct market soundings shall not be affected.

3. The competent authority of the Member State where the marketing communications are disseminated shall have the power to assess compliance with paragraph 1 in respect of those marketing communications.

Where necessary, the competent authority of the home Member State shall assist the competent authority of the Member State where the marketing communications are disseminated with assessing the consistency of the marketing communications with the information in the crypto-asset white paper.

4. The use of any of the supervisory and investigatory powers set out in Article 94 in relation to the enforcement of this Article by the competent authority of a host Member State shall be notified without undue delay to the competent authority of the home Member State of the offeror, the person seeking admission to trading or the operator of the trading platform for the crypto-assets.

Article 8

Notification of the crypto-asset white paper and of the marketing communications

1. Offerors, persons seeking admission to trading, or operators of trading platforms for crypto-assets other than asset-referenced tokens or e-money tokens shall notify their crypto-asset white paper to the competent authority of their home Member State.

2. Marketing communications shall, upon request, be notified to the competent authority of the home Member State and to the competent authority of the host Member State, when addressing prospective holders of crypto-assets other than asset-referenced tokens or e-money tokens in those Member States.
3. Competent authorities shall not require prior approval of crypto-asset white papers, nor of any marketing communications relating thereto, before their respective publication.
4. The notification of the crypto-asset white paper referred to in paragraph 1 shall be accompanied by an explanation of why the crypto-asset described in the crypto-asset white paper should not be considered to be:
 - (a) a crypto-asset excluded from the scope of this Regulation pursuant to Article 2(4);
 - (b) an e-money token; or
 - (c) an asset-referenced token.
5. The elements referred in paragraphs 1 and 4 shall be notified to the competent authority of the home Member State at least 20 working days before the date of publication of the crypto-asset white paper.

6. Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens shall, together with the notification referred to in paragraph 1, provide the competent authority of their home Member State with a list of the host Member States, if any, where they intend to offer their crypto-assets to the public or intend to seek admission to trading. They shall also inform the competent authority of their home Member State of the starting date of the intended offer to the public or intended admission to trading and of any change to that date.

The competent authority of the home Member State shall notify the single point of contact of the host Member States of the intended offer to the public or the intended admission to trading and communicate to that single point of contact the corresponding crypto-asset white paper within five working days of receipt of the list of host Member States referred to in the first subparagraph.

7. The competent authority of the home Member State shall communicate to ESMA the information referred to in paragraphs 1, 2 and 4 as well as the starting date of the intended offer to the public or intended admission to trading and of any change to that date. It shall communicate such information within five working days of receipt thereof from the offeror or the person seeking admission to trading.

ESMA shall make the crypto-asset white paper available in the register, under Article 109(2), by the starting date of the offer to the public or admission to trading.

Article 9

Publication of the crypto-asset white paper and of the marketing communications

1. Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens shall publish their crypto-asset white papers and, where applicable, their marketing communications, on their website, which shall be publicly accessible, at a reasonable time in advance of, and in any event before the starting date of, the offer to the public of those crypto-assets or the admission to trading of those crypto-assets. The crypto-asset white papers and, where applicable, the marketing communications, shall remain available on the website of the offerors or persons seeking admission trading for as long as the crypto-assets are held by the public.
2. The published crypto-asset white papers and, where applicable, the marketing communications, shall be identical to the version notified to the competent authority in accordance with Article 8 or, where applicable, to the version modified in accordance with Article 12.

Article 10

Result of the offer to the public and safeguarding arrangements

1. Offerors of crypto-assets other than asset-referenced tokens or e-money tokens that set a time limit on their offer to the public of those crypto-assets shall publish on their website the result of the offer to the public within 20 working days of the end of the subscription period.
2. Offerors of crypto-assets other than asset-referenced tokens or e-money tokens that do not set a time limit on their offer to the public of those crypto-assets shall publish on their website on an ongoing basis, at least monthly, the number of units of the crypto-assets in circulation.
3. Offerors of crypto-assets other than asset-referenced tokens or e-money tokens that set a time limit on their offer to the public of crypto-assets shall have effective arrangements in place to monitor and safeguard the funds or other crypto-assets raised during the offer to the public. For that purpose, those offerors shall ensure that the funds or crypto-assets collected during the offer to the public are kept in custody by one or both of the following:
 - (a) a credit institution, where funds are raised during the offer to the public;
 - (b) a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients.

4. When the offer to the public has no time limit, the offeror shall comply with paragraph 3 of this Article until the right of withdrawal of the retail holder pursuant to Article 13 has expired.

Article 11

*Rights of offerors and persons seeking admission to trading of crypto-assets
other than asset-referenced tokens or e-money tokens*

1. After publication of the crypto-asset white paper in accordance with Article 9 and, where applicable, of the modified crypto-asset white paper in accordance with Article 12, offerors may offer crypto-assets other than asset-referenced tokens or e-money tokens throughout the Union and such crypto-assets may be admitted to trading on a trading platform for crypto-assets in the Union.
2. Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens that have published a crypto-asset white paper in accordance with Article 9 and, where applicable, a modified crypto-asset white paper pursuant to Article 12, shall not be subject to any further information requirements with regard to the offer to the public or the admission to trading of that crypto-asset.

Article 12

*Modification of published crypto-asset white papers
and of published marketing communications*

1. Offerors, persons seeking admission to trading or operators of a trading platform for crypto-assets other than asset-referenced tokens or e-money tokens shall modify their published crypto-asset white papers and, where applicable, their published marketing communications, whenever there is a significant new factor, material mistake or material inaccuracy that is capable of affecting the assessment of the crypto-assets. That requirement shall apply for the duration of the offer to the public or for as long as the crypto-asset is admitted to trading.
2. Offerors, persons seeking admission to trading or operators of a trading platform for crypto-assets other than asset-referenced tokens or e-money tokens shall notify their modified crypto-asset white papers and, where applicable, modified marketing communications, and the intended publication date, to the competent authority of their home Member State, including the reasons for such modification, at least seven working days before their publication.

3. On the date of publication, or earlier if required by the competent authority, the offeror, the person seeking admission to trading or the operator of the trading platform shall immediately inform the public on its website of the notification of a modified crypto-asset white paper with the competent authority of its home Member State and shall provide a summary of the reasons for which it has notified a modified crypto-asset white paper.
4. The order of the information in a modified crypto-asset white paper and, where applicable, in modified marketing communications, shall be consistent with that of the crypto-asset white paper or marketing communications published in accordance with Article 9.
5. Within five working days of receipt of the modified crypto-asset white paper and, where applicable, of the modified marketing communications, the competent authority of the home Member State shall notify the modified crypto-asset white paper and, where applicable, the modified marketing communications to the competent authority of the host Member States referred to in Article 8(6) and communicate the notification and the date of publication to ESMA.

ESMA shall make the modified crypto-asset white paper available in the register, under Article 109(2), upon publication.

6. Offerors, persons seeking admission to trading or operators of trading platforms for crypto-assets other than asset-referenced tokens or e-money tokens shall publish the modified crypto-asset white paper and, where applicable, the modified marketing communications, including the reasons for such modification, on their website in accordance with Article 9.
7. The modified crypto-asset white paper and, where applicable, the modified marketing communications, shall be time-stamped. The most recent modified crypto-asset white paper and, where applicable, the modified marketing communications shall be marked as the applicable version. All modified crypto-asset white papers and, where applicable, modified marketing communications shall remain available for as long as the crypto-assets are held by the public.
8. Where the offer to the public concerns a utility token providing access to goods and services that do not yet exist or are not yet in operation, changes made in the modified crypto-asset white paper and, where applicable, the modified marketing communications, shall not extend the time limit of 12 months referred to in Article 4(6).

9. Older versions of the crypto-asset white paper and the marketing communications shall remain publicly available on the website of the offerors, persons seeking admission to trading, or operators of trading platforms, for at least 10 years after the date of publication of those older versions, with a prominent warning stating that they are no longer valid and with a hyperlink to the dedicated section on the website where the most recent version of those documents is published.

Article 13

Right of withdrawal

1. Retail holders who purchase crypto-assets other than asset-referenced tokens and e-money tokens either directly from an offeror or from a crypto-asset service provider placing crypto-assets on behalf of that offeror shall have a right of withdrawal.

Retail holders shall have a period of 14 calendar days within which to withdraw from their agreement to purchase crypto-assets other than asset-referenced tokens and e-money tokens without incurring any fees or costs and without being required to give reasons. The period of withdrawal shall begin from the date of the agreement of the retail holder to purchase those crypto-assets.

2. All payments received from a retail holder including, if applicable, any charges, shall be reimbursed without undue delay and in any event no later than 14 days from the date on which the offeror or the crypto-asset service provider placing crypto-assets on behalf of that offeror is informed of the retail holder's decision to withdraw from the agreement to purchase those crypto-assets.

Such reimbursement shall be carried out using the same means of payment as that used by the retail holder for the initial transaction, unless the retail holder expressly agrees otherwise and provided that the retail holder does not incur any fees or costs as a result of such reimbursement.

3. Offerors of crypto-assets shall provide information on the right of withdrawal referred to in paragraph 1 in their crypto-asset white paper.
4. The right of withdrawal referred to in paragraph 1 shall not apply where the crypto-assets have been admitted to trading prior to their purchase by the retail holder.
5. Where offerors have set a time limit on their offer to the public of such crypto-assets in accordance with Article 10, the right of withdrawal shall not be exercised after the end of the subscription period.

Article 14

*Obligations of offerors and persons seeking admission to trading of crypto-assets
other than asset-referenced tokens or e-money tokens*

1. Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens shall:
 - (a) act honestly, fairly and professionally;
 - (b) communicate with holders and prospective holders of the crypto-assets in a fair, clear and not misleading manner;
 - (c) identify, prevent, manage and disclose any conflicts of interest that might arise;
 - (d) maintain all of their systems and security access protocols in conformity with the appropriate Union standards.

For the purposes of point (d) of the first subparagraph, ESMA, in cooperation with EBA, shall by ... [18 months after the date of entry into force of this Regulation] issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 to specify those Union standards.

2. Offerors and persons seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens shall act in the best interests of the holders of such crypto-assets and shall treat them equally, unless any preferential treatment of specific holders and the reasons for that preferential treatment are disclosed in the crypto-asset white paper and, where applicable, the marketing communications.
3. Where an offer to the public of a crypto-asset other than an asset-referenced token or e-money token is cancelled, offerors of such crypto-asset shall ensure that any funds collected from holders or prospective holders are duly returned to them no later than 25 calendar days after the date of cancellation.

Article 15

Liability for the information given in a crypto-asset white paper

1. Where an offeror, person seeking admission to trading or operator of a trading platform, has infringed Article 6 by providing in its crypto-asset white paper or in a modified crypto-asset white paper information that is not complete, fair or clear or that is misleading, that offeror, person seeking admission to trading or operator of a trading platform and the members of its administrative, management or supervisory body shall be liable to a holder of the crypto-asset for any loss incurred due to that infringement.

2. Any contractual exclusion or limitation of civil liability as referred to in paragraph 1 shall be deprived of legal effect.
3. Where the crypto-asset white paper and marketing communications are prepared by the operator of the trading platform in accordance with Article 5(3), the person seeking admission to trading shall also be held responsible when it provides information that is not complete, fair or clear, or that is misleading to the operator of the trading platform.
4. It shall be the responsibility of the holder of the crypto-asset to present evidence indicating that the offeror, person seeking admission to trading, or operator of the trading platform for crypto-assets other than asset-referenced tokens or e-money tokens has infringed Article 6 by providing information that is not complete, fair or clear, or that is misleading and that reliance on such information had an impact on the holder's decision to purchase, sell or exchange that crypto-asset.
5. The offeror, person seeking admission to trading, or operator of the trading platform and the members of its administrative, management or supervisory body shall not be liable to a holder of a crypto-asset for loss incurred as a result of reliance on the information provided in a summary as referred to in Article 6(7), including any translation thereof, except where the summary:
 - (a) is misleading, inaccurate or inconsistent when read together with the other parts of the crypto-asset white paper; or

(b) does not provide, when read together with the other parts of the crypto-asset white paper, key information in order to aid prospective holders of the crypto-asset when considering whether to purchase such crypto-asset.

6. This Article is without prejudice to any other civil liability pursuant to national law.

TITLE III
ASSET-REFERENCED TOKENS

Chapter 1

**Authorisation to offer asset-referenced tokens to the public
and to seek their admission to trading**

Article 16

Authorisation

1. A person shall not make an offer to the public, or seek the admission to trading, of an asset-referenced token, within the Union, unless that person is the issuer of that asset-referenced token and is:
 - (a) a legal person or other undertaking that is established in the Union and has been authorised in accordance with Article 21 by the competent authority of its home Member State; or
 - (b) a credit institution that complies with Article 17.

Notwithstanding the first subparagraph, upon the written consent of the issuer of an asset-referenced token, other persons may offer to the public or seek the admission to trading of that asset-referenced token. Those persons shall comply with Articles 27, 29 and 40.

For the purposes of point (a) of the first subparagraph, other undertakings may issue asset-referenced tokens only if their legal form ensures a level of protection for third parties' interests equivalent to that afforded by legal persons and if they are subject to equivalent prudential supervision appropriate to their legal form.

2. Paragraph 1 shall not apply where:

- (a) over a period of 12 months, calculated at the end of each calendar day, the average outstanding value of the asset-referenced token issued by an issuer never exceeds EUR 5 000 000, or the equivalent amount in another official currency, and the issuer is not linked to a network of other exempt issuers; or
- (b) the offer to the public of the asset-referenced token is addressed solely to qualified investors and the asset-referenced token can only be held by such qualified investors.

Where this paragraph applies, issuers of asset-referenced tokens shall draw up a crypto-asset white paper as provided for in Article 19 and notify that crypto-asset white paper and, upon request, any marketing communications, to the competent authority of their home Member State.

3. The authorisation granted by the competent authority to a person referred to in paragraph 1, first subparagraph, point (a), shall be valid for the entire Union and shall allow an issuer of an asset-referenced token to offer to the public, throughout the Union, the asset-referenced token for which it has been authorised, or to seek an admission to trading of such asset-referenced token.
4. The approval granted by the competent authority of an issuer's crypto-asset white paper under Article 17(1) or Article 21(1) or of the modified crypto-asset white paper under Article 25 shall be valid for the entire Union.

Article 17

Requirements for credit institutions

1. An asset-referenced token issued by a credit institution may be offered to the public or admitted to trading if the credit institution:
 - (a) draws up a crypto-asset white paper as referred to in Article 19 for the asset-referenced token, submits that crypto-asset white paper for approval by the competent authority of its home Member State in accordance with the procedure set out in the regulatory technical standards adopted pursuant to paragraph 8 of this Article, and has the crypto-asset white paper approved by the competent authority;

- (b) notifies the respective competent authority, at least 90 working days before issuing the asset-referenced token for the first time, by providing it with the following information:
 - (i) a programme of operations, setting out the business model that the credit institution intends to follow;
 - (ii) a legal opinion that the asset-referenced token does not qualify as either of the following:
 - a crypto-asset excluded from the scope of this Regulation pursuant to Article 2(4);
 - an e-money token;
 - (iii) a detailed description of the governance arrangements referred to in Article 34(1);
 - (iv) the policies and procedures listed in Article 34(5), first subparagraph;
 - (v) a description of the contractual arrangements with third-party entities as referred to in Article 34(5), second subparagraph;

- (vi) a description of the business continuity policy referred to in Article 34(9);
- (vii) a description of the internal control mechanisms and risk management procedures referred to in Article 34(10);
- (viii) a description of the systems and procedures in place to safeguard the availability, authenticity, integrity and confidentiality of data referred to in Article 34(11).

2. A credit institution that has previously notified the competent authority in accordance with paragraph 1, point (b), when issuing another asset-referenced token shall not be required to submit any information that was previously submitted by it to the competent authority where such information would be identical. When submitting the information listed in paragraph 1, point (b), the credit institution shall expressly confirm that any information not resubmitted is still up-to-date.
3. The competent authority receiving a notification referred to in paragraph 1, point (b), shall, within 20 working days of receipt of the information listed therein, assess whether the information required under that point has been provided. Where the competent authority concludes that a notification is not complete because information is missing, it shall immediately inform the notifying credit institution thereof and set a deadline by which that credit institution is required to provide the missing information.

The deadline for providing any missing information shall not exceed 20 working days from the date of the request. Until the expiry of that deadline, the period set by paragraph 1, point (b), shall be suspended. Any further requests by the competent authority for completion or clarification of the information shall be at its discretion but shall not result in a suspension of the period set by paragraph 1, point (b).

The credit institution shall not make an offer to the public or seek the admission to trading of the asset-referenced token as long as the notification is incomplete.

4. A credit institution that issues asset-referenced tokens, including significant asset-referenced tokens, shall not be subject to Articles 16, 18, 20, 21, 24, 35, 41 and 42.
5. The competent authority shall communicate to the ECB without delay the complete information received under paragraph 1 and, where the credit institution is established in a Member State whose official currency is not the euro or where an official currency of a Member State that is not the euro is referenced by the asset-referenced token, also to the central bank of that Member State.

The ECB and, where applicable, the central bank of the Member State as referred to in the first subparagraph shall, within 20 working days of receipt of the complete information, issue an opinion on that information and transmit that opinion to the competent authority.

The competent authority shall require the credit institution not to offer to the public or seek the admission to trading of the asset-referenced token in cases where the ECB or, where applicable, the central bank of the Member State as referred to in first subparagraph, gives a negative opinion on the grounds of a risk posed to the smooth operation of payment systems, monetary policy transmission or monetary sovereignty.

6. The competent authority shall communicate to ESMA the information specified in Article 109(3) after verifying the completeness of the information received under paragraph 1 of this Article.

ESMA shall make such information available in the register, under Article 109(3), by the starting date of the offer to the public or admission to trading.

7. The relevant competent authority shall, within two working days of withdrawing authorisation, communicate to ESMA the withdrawal of authorisation of a credit institution that issues asset-referenced tokens. ESMA shall make the information on such withdrawal available in the register, under Article 109(3), without undue delay.
8. EBA, in close cooperation with ESMA and the ECB, shall develop draft regulatory technical standards to further specify the procedure for the approval of a crypto-asset white paper referred to in paragraph 1, point (a).

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Article 18

Application for authorisation

1. Legal persons or other undertakings that intend to offer to the public or seek the admission to trading of asset-referenced tokens shall submit their application for an authorisation referred to in Article 16 to the competent authority of their home Member State.
2. The application referred to in paragraph 1 shall contain all of the following information:
 - (a) the address of the applicant issuer;
 - (b) the legal entity identifier of the applicant issuer;
 - (c) the articles of association of the applicant issuer, where applicable;

- (d) a programme of operations, setting out the business model that the applicant issuer intends to follow;
- (e) a legal opinion that the asset-referenced token does not qualify as either of the following:
 - (i) a crypto-asset excluded from the scope of this Regulation pursuant to Article 2(4); or
 - (ii) an e-money token;
- (f) a detailed description of the applicant issuer's governance arrangements as referred to in Article 34(1);
- (g) where cooperation arrangements with specific crypto-asset service providers exist, a description of their internal control mechanisms and procedures to ensure compliance with the obligations in relation to the prevention of money laundering and terrorist financing under Directive (EU) 2015/849;
- (h) the identity of the members of the management body of the applicant issuer;
- (i) proof that the persons referred to in point (h) are of sufficiently good repute and possess the appropriate knowledge, skills and experience to manage the applicant issuer;

- (j) proof that any shareholder or member, whether direct or indirect, that has a qualifying holding in the applicant issuer is of sufficiently good repute;
- (k) a crypto-asset white paper as referred to in Article 19;
- (l) the policies and procedures referred to in Article 34(5), first subparagraph;
- (m) a description of the contractual arrangements with the third-party entities as referred to in Article 34(5), second subparagraph;
- (n) a description of the applicant issuer's business continuity policy referred to in Article 34(9);
- (o) a description of the internal control mechanisms and risk management procedures referred to in Article 34(10);
- (p) a description of the systems and procedures in place to safeguard the availability, authenticity, integrity and confidentiality of data as referred to in Article 34(11);
- (q) a description of the applicant issuer's complaints-handling procedures as referred to in Article 31;
- (r) where applicable, a list of host Member States where the applicant issuer intends to offer the asset-referenced token to the public or intends to seek admission to trading of the asset-referenced token.

3. Issuers that have already been authorised in respect of one asset-referenced token shall not be required to submit, for the purposes of authorisation in respect of another asset-referenced token, any information that was previously submitted by them to the competent authority where such information would be identical. When submitting the information listed in paragraph 2, the issuer shall expressly confirm that any information not resubmitted is still up-to-date.
4. The competent authority shall promptly, and in any event within two working days of receipt of an application pursuant to paragraph 1, acknowledge receipt thereof in writing to the applicant issuer.
5. For the purposes of paragraph 2, points (i) and (j), the applicant issuer of the asset-referenced token shall provide proof of all of the following:
 - (a) for all members of the management body, the absence of a criminal record in respect of convictions or the absence of penalties imposed under the applicable commercial law, insolvency law and financial services law, or in relation to anti-money laundering and counter-terrorist financing, to fraud or to professional liability;
 - (b) that the members of the management body of the applicant issuer of the asset-referenced token collectively possess the appropriate knowledge, skills and experience to manage the issuer of the asset-referenced token and that those persons are required to commit sufficient time to perform their duties;

(c) for all shareholders and members, whether direct or indirect, that have qualifying holdings in the applicant issuer, the absence of a criminal record in respect of convictions and the absence of penalties imposed under the applicable commercial law, insolvency law and financial services law, or in relation to anti-money laundering and counter-terrorist financing, to fraud or to professional liability.

6. EBA, in close cooperation with ESMA and the ECB, shall develop draft regulatory technical standards to further specify the information referred to in paragraph 2.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

7. EBA, in close cooperation with ESMA, shall develop draft implementing technical standards to establish standard forms, templates and procedures for the information to be included in the application in order to ensure uniformity across the Union.

EBA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph in accordance with Article 15 of Regulation (EU) No 1093/2010.

Article 19

Content and form of the crypto-asset white paper for asset-referenced tokens

1. A crypto-asset white paper for an asset-referenced token shall contain all of the following information, as further specified in Annex II:
 - (a) information about the issuer of the asset-referenced token;
 - (b) information about the asset-referenced token;
 - (c) information about the offer to the public of the asset-referenced token or its admission to trading;
 - (d) information on the rights and obligations attached to the asset-referenced token;

- (e) information on the underlying technology;
- (f) information on the risks;
- (g) information on the reserve of assets;
- (h) information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism used to issue the asset-referenced token.

The crypto-asset white paper shall also include the identity of the person other than the issuer that offers to the public or seeks admission to trading pursuant to Article 16(1), second subparagraph, and the reason why that particular person offers that asset-referenced token or seeks its admission to trading. In cases where the crypto-asset white paper is not drawn up by the issuer, the crypto-asset white paper shall also include the identity of the person that drew up the crypto-asset white paper and the reason why that particular person drew it up.

2. All information listed in paragraph 1 shall be fair, clear and not misleading. The crypto-asset white paper shall not contain material omissions and shall be presented in a concise and comprehensible form.

3. The crypto-asset white paper shall not contain any assertions as regards the future value of the crypto-assets, other than the statement referred to in paragraph 4.
4. The crypto-asset white paper shall contain a clear and unambiguous statement that:
 - (a) the asset-referenced token may lose its value in part or in full;
 - (b) the asset-referenced token may not always be transferable;
 - (c) the asset-referenced token may not be liquid;
 - (d) the asset-referenced token is not covered by the investor compensation schemes under Directive 97/9/EC;
 - (e) the asset-referenced token is not covered by the deposit guarantee schemes under Directive 2014/49/EU.
5. The crypto-asset white paper shall contain a statement from the management body of the issuer of the asset-referenced token. That statement shall confirm that the crypto-asset white paper complies with this Title and that, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.

6. The crypto-asset white paper shall contain a summary, inserted after the statement referred to in paragraph 5, which shall in brief and non-technical language provide key information about the offer to the public of the asset-referenced token or the intended admission to trading of the asset-referenced token. The summary shall be easily understandable and presented and laid out in a clear and comprehensive format, using characters of readable size. The summary of the crypto-asset white paper shall provide appropriate information about the characteristics of the asset-referenced token concerned in order to help prospective holders of that asset-referenced token to make an informed decision.

The summary shall contain a warning that:

- (a) it should be read as an introduction to the crypto-asset white paper;
- (b) the prospective holder should base any decision to purchase the asset-referenced token on the content of the crypto-asset white paper as a whole and not on the summary alone;
- (c) the offer to the public of the asset-referenced token does not constitute an offer or solicitation to purchase financial instruments and that any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law;

- (d) the crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 or any other offer document pursuant to Union or national law.

The summary shall state that the holders of asset-referenced tokens have a right of redemption at any time, and the conditions for such redemption.

7. The crypto-asset white paper shall contain the date of its notification and a table of contents.
8. The crypto-asset white paper shall be drawn up in an official language of the home Member State, or in a language customary in the sphere of international finance.

Where the asset-referenced token is also offered in a Member State other than the issuer's home Member State, the crypto-asset white paper shall also be drawn up in an official language of the host Member State, or in a language customary in the sphere of international finance.

9. The crypto-asset white paper shall be made available in a machine-readable format.
10. ESMA, in cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, formats and templates for the purposes of paragraph 9.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

11. ESMA, in cooperation with EBA, shall develop draft regulatory technical standards on the content, methodologies and presentation of information referred to in paragraph 1, first subparagraph, point (h), in respect of the sustainability indicators in relation to adverse impacts on the climate and other environment- related adverse impacts.

When developing the draft regulatory technical standards referred to in the first subparagraph, ESMA shall consider the various types of consensus mechanisms used to validate transactions in crypto-assets, their incentive structures and the use of energy, renewable energy and natural resources, the production of waste and greenhouse gas emissions. ESMA shall update those regulatory technical standards in the light of regulatory and technological developments.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 20

Assessment of the application for authorisation

1. Competent authorities receiving an application for authorisation as referred to in Article 18 shall, within 25 working days of receipt of such application, assess whether that application, including the crypto-asset white paper referred to in Article 19, comprises all of the required information. They shall immediately notify the applicant issuer whether the application, including the crypto-asset white paper, is missing required information. Where the application, including the crypto-asset white paper, is not complete, competent authorities shall set a deadline by which the applicant issuer is to provide any missing information.
2. Competent authorities shall, within 60 working days of receipt of a complete application, assess whether the applicant issuer complies with the requirements of this Title and take a fully reasoned draft decision granting or refusing authorisation. Within those 60 working days, competent authorities may request from the applicant issuer any information on the application, including on the crypto-asset white paper referred in Article 19.

During the assessment process, competent authorities may cooperate with competent authorities for anti-money laundering and counter-terrorist financing, financial intelligence units or other public bodies.

3. The assessment period under paragraphs 1 and 2 shall be suspended for the period between the date of request for missing information by the competent authorities and the receipt by them of a response thereto from the applicant issuer. The suspension shall not exceed 20 working days. Any further requests by the competent authorities for completion or clarification of the information shall be at their discretion but shall not result in a suspension of the assessment period under paragraphs 1 and 2.
4. Competent authorities shall, after the period of 60 working days referred to in paragraph 2, transmit their draft decision and the application to EBA, ESMA and the ECB. Where the applicant issuer is established in a Member State whose official currency is not the euro, or where an official currency of a Member State that is not the euro is referenced by the asset-referenced token, the competent authorities shall transmit their draft decision and the application also to the central bank of that Member State.
5. EBA and ESMA shall, at the request of the competent authority, and within 20 working days of receipt of the draft decision and the application, issue an opinion as regards their evaluation of the legal opinion referred to in Article 18(2), point (e), and transmit their respective opinions to the competent authority concerned.

The ECB or, where applicable, the central bank referred to in paragraph 4 shall, within 20 working days of receipt of the draft decision and the application, issue an opinion as regards its evaluation of the risks that issuing that asset-referenced token might pose to financial stability, the smooth operation of payment systems, monetary policy transmission and monetary sovereignty, and transmit its opinion to the competent authority concerned.

Without prejudice to Article 21(4), the opinions referred to in the first and second subparagraphs of this paragraph shall be non-binding.

The competent authority shall, however, duly consider the opinions referred in the first and second subparagraphs of this paragraph.

Article 21

Grant or refusal of the authorisation

1. Competent authorities shall, within 25 working days of receipt of the opinions referred to in Article 20(5), take a fully reasoned decision granting or refusing authorisation to the applicant issuer and, within five working days of taking that decision, notify it to the applicant issuer. Where an applicant issuer is authorised, its crypto-asset white paper shall be deemed to be approved.

2. Competent authorities shall refuse authorisation where there are objective and demonstrable grounds that:
- (a) the management body of the applicant issuer might pose a threat to its effective, sound and prudent management and business continuity and to the adequate consideration of the interest of its clients and the integrity of the market;
 - (b) members of the management body do not meet the criteria set out in Article 34(2);
 - (c) shareholders and members, whether direct or indirect, that have qualifying holdings do not meet the criteria of sufficiently good repute set out in Article 34(4);
 - (d) the applicant issuer fails to meet or is likely to fail to meet any of the requirements of this Title;
 - (e) the applicant issuer's business model might pose a serious threat to market integrity, financial stability, the smooth operation of payment systems, or exposes the issuer or the sector to serious risks of money laundering and terrorist financing.

3. EBA and ESMA shall, by ... [12 months after the date of entry into force of this Regulation], jointly issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010 and Article 16 of Regulation (EU) No 1095/2010, respectively, on the assessment of the suitability of the members of the management body of issuers of asset-referenced tokens and of the shareholders and members, whether direct or indirect, that have qualifying holdings in issuers of asset-referenced tokens.
4. Competent authorities shall also refuse authorisation if the ECB or, where applicable, the central bank gives a negative opinion under Article 20(5) on the grounds of a risk posed to the smooth operation of payment systems, monetary policy transmission, or monetary sovereignty.
5. Competent authorities shall, within two working days of granting authorisation, communicate to the single point of contact of the host Member States, to ESMA, to EBA, to the ECB and, where applicable, to the central bank referred to in Article 20(4), the information specified in Article 109(3).

ESMA shall make such information available in the register, under Article 109(3), by the starting date of the offer to the public or admission to trading.

6. Competent authorities shall inform EBA, ESMA, the ECB and, where applicable, the central bank referred to in Article 20(4), of all requests for authorisations refused, and provide the underlying reasoning for the decision and, where applicable, an explanation for any deviation from the opinions referred to in Article 20(5).

Article 22

Reporting on asset-referenced tokens

1. For each asset-referenced token with an issue value that is higher than EUR 100 000 000, the issuer shall report on a quarterly basis to the competent authority the following information:
 - (a) the number of holders;
 - (b) the value of the asset-referenced token issued and the size of the reserve of assets;
 - (c) the average number and average aggregate value of transactions per day during the relevant quarter;
 - (d) an estimate of the average number and average aggregate value of transactions per day during the relevant quarter that are associated to its uses as a means of exchange within a single currency area.

For the purposes of points (c) and (d) of the first subparagraph, ‘transaction’ shall mean any change of the natural or legal person entitled to the asset-referenced token as a result of the transfer of the asset-referenced token from one distributed ledger address or account to another.

Transactions that are associated with the exchange for funds or other crypto-assets with the issuer or with a crypto-asset service provider shall not be considered associated to uses of the asset-referenced token as a means of exchange, unless there is evidence that the asset-referenced token is used for the settlement of transactions in other crypto-assets.

2. The competent authority may require issuers of asset-referenced tokens to comply with the reporting obligation referred to in paragraph 1 in respect of asset-referenced tokens issued with a value of less than EUR 100 000 000.
3. Crypto-asset service providers that provide services related to asset-referenced tokens shall provide the issuer of the asset-referenced token with the information necessary to prepare the report referred to in paragraph 1, including by reporting transactions outside the distributed ledger.
4. The competent authority shall share the information received with the ECB and, where applicable, the central bank referred to in Article 20(4) and the competent authorities of host Member States.

5. The ECB and, where applicable, the central bank referred to in Article 20(4) may provide to the competent authority their own estimates of the quarterly average number and average aggregate value of transactions per day that are associated to uses of the asset-referenced token as a means of exchange within a single currency area.
6. EBA, in close cooperation with the ECB, shall develop draft regulatory technical standards to specify the methodology to estimate the quarterly average number and average aggregate value of transactions per day that are associated to uses of the asset-referenced token as a means of exchange within a single currency area.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

7. EBA shall develop draft implementing technical standards to establish standard forms, formats and templates for the purposes of reporting referred to in paragraph 1 and the provision of the information referred to in paragraph 3.

EBA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1093/2010.

Article 23

Restrictions on the issuance of asset-referenced tokens used widely as a means of exchange

1. Where, for an asset-referenced token, the estimated quarterly average number and average aggregate value of transactions per day associated to its uses as a means of exchange within a single currency area is higher than 1 million transactions and EUR 200 000 000, respectively, the issuer shall:
 - (a) stop issuing that asset-referenced token; and
 - (b) within 40 working days of reaching that threshold, submit a plan to the competent authority to ensure that the estimated quarterly average number and average aggregate value of those transactions per day is kept below 1 million transactions and EUR 200 000 000 respectively.

2. The competent authority shall use the information provided by the issuer, its own estimates, or the estimates provided by the ECB or, where applicable, by the central bank referred to in Article 20(4), whichever is higher, in order to assess whether the threshold referred to in paragraph 1 is reached.
3. Where several issuers issue the same asset-referenced token, the criteria referred in paragraph 1 shall be assessed by the competent authority after aggregating the data from all issuers.
4. The issuer shall submit the plan referred to in paragraph 1, point (b), for approval to the competent authority. Where necessary, the competent authority shall require modifications, such as imposing a minimum denomination amount, in order to ensure a timely decrease of the use as a means of exchange of the asset-referenced token.
5. The competent authority shall only allow the issuer to issue the asset-referenced token again when it has evidence that the estimated quarterly average number and average aggregated value of transactions per day associated to its uses as a means of exchange within a single currency area is lower than 1 million transactions and EUR 200 000 000 respectively.

Article 24

Withdrawal of the authorisation

1. Competent authorities shall withdraw the authorisation of an issuer of an asset-referenced token in any of the following situations:
 - (a) the issuer has ceased to engage in business for six consecutive months, or has not used its authorisation for 12 consecutive months;
 - (b) the issuer has obtained its authorisation by irregular means, such as by making false statements in the application for authorisation referred to in Article 18 or in any crypto-asset white paper modified in accordance with Article 25;
 - (c) the issuer no longer meets the conditions under which the authorisation was granted;
 - (d) the issuer has seriously infringed the provisions of this Title;
 - (e) the issuer has been subject to a redemption plan;
 - (f) the issuer has expressly renounced its authorisation or has decided to cease operations;

- (g) the issuer's activity poses a serious threat to market integrity, financial stability, the smooth operation of payment systems or exposes the issuer or the sector to serious risks of money laundering and terrorist financing.

The issuer of the asset-referenced token shall notify its competent authority of any of the situations referred to in the first subparagraph, points (e) and (f).

2. Competent authorities shall also withdraw the authorisation of an issuer of an asset-referenced token when the ECB or, where applicable, the central bank referred to in Article 20(4), issues an opinion that the asset-referenced token poses a serious threat to the smooth operation of payment systems, monetary policy transmission or monetary sovereignty.
3. Competent authorities shall limit the amount of an asset-referenced token to be issued or impose a minimum denomination amount in respect of the asset-referenced token when the ECB or, where applicable, the central bank referred to in Article 20(4), issues an opinion that the asset-referenced token poses a threat to the smooth operation of payment systems, monetary policy transmission or monetary sovereignty, and specify the applicable limit or minimum denomination amount.

4. The relevant competent authorities shall notify the competent authority of an issuer of an asset-referenced token, without delay, of the following situations:
- (a) a third-party entity as referred to in Article 34(5), first subparagraph, point (h), of this Regulation has lost its authorisation as a credit institution as referred to in Article 8 of Directive 2013/36/EU, as a crypto-asset service provider as referred to in Article 59 of this Regulation, as a payment institution, or as an electronic money institution;
 - (b) the members of the issuer's management body or shareholders or members, whether direct or indirect, that have qualifying holdings in the issuer have infringed the provisions of national law transposing Directive (EU) 2015/849.
5. Competent authorities shall withdraw the authorisation of an issuer of an asset-referenced token where they are of the opinion that the situations referred to in paragraph 4 of this Article affect the good repute of the members of the management body of that issuer or the good repute of any shareholders or members, whether direct or indirect, that have qualifying holdings in the issuer, or if there is an indication of a failure of the governance arrangements or internal control mechanisms as referred to in Article 34.

When the authorisation is withdrawn, the issuer of the asset-referenced token shall implement the procedure under Article 47.

6. Competent authorities shall, within two working days of withdrawing authorisation, communicate to ESMA the withdrawal of the authorisation of the issuer of the asset-referenced token. ESMA shall make the information on such withdrawal available in the register referred to in Article 109 without undue delay.

Article 25

Modification of published crypto-asset white papers for asset-referenced tokens

1. Issuers of asset-referenced tokens shall notify the competent authority of their home Member State of any intended change of their business model likely to have a significant influence on the purchase decision of any holders or prospective holders of asset-referenced tokens, which occurs after the authorisation pursuant to Article 21 or after the approval of the crypto-asset white paper pursuant to Article 17, as well as in the context of Article 23. Such changes include, amongst others, any material modifications to:
 - (a) the governance arrangements, including reporting lines to the management body and risk management framework;
 - (b) the reserve assets and the custody of the reserve assets;

- (c) the rights granted to the holders of asset-referenced tokens;
- (d) the mechanism through which an asset-referenced token is issued and redeemed;
- (e) the protocols for validating the transactions in asset-referenced tokens;
- (f) the functioning of issuers' proprietary distributed ledger technology, where the asset-referenced tokens are issued, transferred and stored using such a distributed ledger technology;
- (g) the mechanisms to ensure the liquidity of asset-referenced tokens, including the liquidity management policy and procedures for issuers of significant asset-referenced tokens referred to in Article 45;
- (h) the arrangements with third-party entities, including for managing the reserve assets and the investment of the reserve, the custody of reserve assets, and, where applicable, the distribution of the asset-referenced tokens to the public;
- (i) the complaints-handling procedures;
- (j) the money laundering and terrorist financing risk assessment and general policies and procedures related thereto.

Issuers of asset-referenced tokens shall notify the competent authority of their home Member State at least 30 working days before the intended changes take effect.

2. Where any intended change as referred to in paragraph 1 has been notified to the competent authority, the issuer of an asset-referenced token shall draw up a draft modified crypto-asset white paper and shall ensure that the order of the information appearing therein is consistent with that of the original crypto-asset white paper.

The issuer of the asset-referenced token shall notify the draft modified crypto-asset white paper to the competent authority of the home Member State.

The competent authority shall electronically acknowledge receipt of the draft modified crypto-asset white paper as soon as possible, and at the latest five working days from receipt thereof.

The competent authority shall grant approval of, or refuse to approve, the draft modified crypto-asset white paper within 30 working days of acknowledgement of receipt thereof. During the examination of the draft modified crypto-asset white paper, the competent authority may request any additional information, explanations or justifications concerning the draft modified crypto-asset white paper. When the competent authority makes such request, the time limit of 30 working days shall commence only when the competent authority has received the additional information requested.

3. Where the competent authority considers that the modifications to a crypto-asset white paper are potentially relevant for the smooth operation of payment systems, monetary policy transmission and monetary sovereignty, it shall consult the ECB and, where applicable, the central bank referred to in Article 20(4). The competent authority may also consult EBA and ESMA in such cases.

The ECB or the relevant central bank and, where applicable, EBA and ESMA, shall provide an opinion within 20 working days of receipt of the consultation referred to in the first subparagraph.

4. Where the competent authority approves the modified crypto-asset white paper, it may require the issuer of the asset-referenced token:
- (a) to put in place mechanisms to ensure the protection of holders of the asset-referenced token, when a potential modification of the issuer's operations can have a material effect on the value, stability, or risks of the asset-referenced token or the reserve assets;
 - (b) to take any appropriate corrective measures to address concerns related to market integrity, financial stability or the smooth operation of payment systems.

The competent authority shall require the issuer of the asset-referenced token to take any appropriate corrective measures to address concerns related to the smooth operation of payment systems, monetary policy transmission, or monetary sovereignty, if such corrective measures are proposed by the ECB or, where applicable, the central bank referred to in Article 20(4) in the consultations referred to in paragraph 3 of this Article.

Where the ECB or the central bank referred to in Article 20(4) has proposed different measures than the ones required by the competent authority, the measures proposed shall be combined or, if not possible, the more stringent measure shall be required.

5. The competent authority shall communicate the modified crypto-asset white paper to ESMA, the single points of contact of the host Member States, EBA, the ECB and, where applicable, the central bank of the Member State concerned within two working days of granting approval.

ESMA shall make the modified crypto-asset white paper available in the register referred to in Article 109 without undue delay.

Article 26

*Liability of issuers of asset-referenced tokens
for the information given in a crypto-asset white paper*

1. Where an issuer has infringed Article 19 by providing in its crypto-asset white paper or in a modified crypto-asset white paper information that is not complete, fair or clear, or that is misleading, that issuer and the members of its administrative, management or supervisory body shall be liable to a holder of such asset-referenced token for any loss incurred due to that infringement.
2. Any contractual exclusion or limitation of civil liability as referred to in paragraph 1 shall be deprived of legal effect.
3. It shall be the responsibility of the holder of the asset-referenced token to present evidence indicating that the issuer of that asset-referenced token has infringed Article 19 by providing in its crypto-asset white paper or in a modified crypto-asset white paper information that is not complete, fair or clear, or that is misleading and that reliance on such information had an impact on the holder's decision to purchase, sell or exchange that asset-referenced token.

4. The issuer and the members of its administrative, management or supervisory body shall not be liable for loss suffered as a result of reliance on the information provided in a summary pursuant to Article 19, including any translation thereof, except where the summary:
 - (a) is misleading, inaccurate or inconsistent when read together with the other parts of the crypto-asset white paper; or
 - (b) does not provide, when read together with the other parts of the crypto-asset white paper, key information in order to aid prospective holders when considering whether to purchase the asset-referenced token.
5. This Article is without prejudice to any other civil liability pursuant to national law.

Chapter 2

Obligations of issuers of asset-referenced tokens

Article 27

Obligation to act honestly, fairly and professionally in the best interest of the holders of asset-referenced tokens

1. Issuers of asset-referenced tokens shall act honestly, fairly and professionally and shall communicate with the holders and prospective holders of asset-referenced tokens in a fair, clear and not misleading manner.
2. Issuers of asset-referenced tokens shall act in the best interests of the holders of such tokens and shall treat them equally, unless any preferential treatment is disclosed in the crypto-asset white paper and, where applicable, the marketing communications.

Article 28

Publication of the crypto-asset white paper

An issuer of an asset-referenced token shall publish on its website the approved crypto-asset white paper referred to in Article 17(1) or Article 21(1) and, where applicable, the modified crypto-asset white paper referred to in Article 25. The approved crypto-asset white paper shall be publicly accessible by the starting date of the offer to the public of the asset-referenced token or the admission to trading of that token. The approved crypto-asset white paper and, where applicable, the modified crypto-asset white paper shall remain available on the issuer's website for as long as the asset-referenced token is held by the public.

Article 29

Marketing communications

1. Any marketing communications relating to an offer to the public of an asset-referenced token, or to the admission to trading of such asset-referenced token, shall comply with all of the following requirements:
 - (a) the marketing communications are clearly identifiable as such;
 - (b) the information in the marketing communications is fair, clear and not misleading;

- (c) the information in the marketing communications is consistent with the information in the crypto-asset white paper;
 - (d) the marketing communications clearly state that a crypto-asset white paper has been published and clearly indicate the address of the website of the issuer of the asset-referenced token, as well as a telephone number and an email address to contact the issuer.
2. Marketing communications shall contain a clear and unambiguous statement that the holders of the asset-referenced token have a right of redemption against the issuer at any time.
 3. Marketing communications and any modifications thereto shall be published on the issuer's website.
 4. Competent authorities shall not require prior approval of marketing communications before their publication.
 5. Marketing communications shall be notified to competent authorities upon request.
 6. No marketing communications shall be disseminated prior to the publication of the crypto-asset white paper. Such restriction does not affect the ability of the issuer of the asset-referenced token to conduct market soundings.

Article 30

Ongoing information to holders of asset-referenced tokens

1. Issuers of asset-referenced tokens shall in a clear, accurate and transparent manner disclose, in a publicly and easily accessible place on their website, the amount of asset-referenced tokens in circulation, and the value and composition of the reserve of assets referred to in Article 36. Such information shall be updated at least monthly.
2. Issuers of asset-referenced tokens shall publish as soon as possible in a publicly and easily accessible place on their website a brief, clear, accurate and transparent summary of the audit report, as well as the full and unredacted audit report, in relation to the reserve of assets referred to in Article 36.
3. Without prejudice to Article 88, issuers of asset-referenced tokens shall as soon as possible and in a clear, accurate and transparent manner disclose, in a publicly and easily accessible place, on their website any event that has or is likely to have a significant effect on the value of the asset-referenced tokens or on the reserve of assets referred to in Article 36.

Article 31

Complaints-handling procedures

1. Issuers of asset-referenced tokens shall establish and maintain effective and transparent procedures for the prompt, fair and consistent handling of complaints received from holders of asset-referenced tokens and other interested parties, including consumer associations that represent holders of asset-referenced tokens, and shall publish descriptions of those procedures. Where the asset-referenced tokens are distributed, totally or partially, by third-party entities as referred to in Article 34(5), first subparagraph, point (h), issuers of the asset-referenced tokens shall establish procedures to also facilitate the handling of such complaints between holders of the asset-referenced tokens and such third-party entities.
2. Holders of asset-referenced tokens shall be able to file complaints free of charge with the issuers of their asset-referenced tokens or, where applicable, with the third-party entities as referred to in paragraph 1.
3. Issuers of asset-referenced tokens and, where applicable, the third-party entities as referred to in paragraph 1, shall develop and make available to holders of asset-referenced tokens a template for filing complaints and shall keep a record of all complaints received and any measures taken in response thereto.

4. Issuers of asset-referenced tokens shall investigate all complaints in a timely and fair manner and communicate the outcome of such investigations to the holders of their asset-referenced tokens within a reasonable period.
5. EBA, in close cooperation with ESMA, shall develop draft regulatory technical standards to further specify the requirements, templates and procedures for handling complaints.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Article 32

Identification, prevention, management and disclosure of conflicts of interest

1. Issuers of asset-referenced tokens shall implement and maintain effective policies and procedures to identify, prevent, manage and disclose conflicts of interest between themselves and:
 - (a) their shareholders or members;

- (b) any shareholder or member, whether direct or indirect, that has a qualifying holding in the issuers;
 - (c) the members of their management body;
 - (d) their employees;
 - (e) the holders of asset-referenced tokens; or
 - (f) any third party providing one of the functions as referred in Article 34(5), first subparagraph, point (h).
2. Issuers of asset-referenced tokens shall, in particular, take all appropriate steps to identify, prevent, manage and disclose conflicts of interest arising from the management and investment of the reserve of assets referred to in Article 36.
 3. Issuers of asset-referenced tokens shall, in a prominent place on their website, disclose to the holders of their asset-referenced tokens the general nature and sources of conflicts of interest referred to in paragraph 1 and the steps taken to mitigate them.
 4. The disclosure referred to in paragraph 3 shall be sufficiently precise to enable the prospective holders of their asset-referenced tokens to take an informed purchasing decision about the asset-referenced tokens.

5. EBA shall develop draft regulatory technical standards to further specify:
- (a) the requirements for the policies and procedures referred to in paragraph 1;
 - (b) the details and methodology for the content of the disclosure referred to in paragraph 3.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Article 33

Notification of changes to management body

Issuers of asset-referenced tokens shall notify immediately their competent authority of any changes to their management body, and shall provide their competent authority with all of the necessary information to assess compliance with Article 34(2).

Article 34

Governance arrangements

1. Issuers of asset-referenced tokens shall have robust governance arrangements, including a clear organisational structure with well-defined, transparent and consistent lines of responsibility, effective processes to identify, manage, monitor and report the risks to which they are or might be exposed, and adequate internal control mechanisms, including sound administrative and accounting procedures.
2. Members of the management body of issuers of asset-referenced tokens shall be of sufficiently good reputation and possess the appropriate knowledge, skills and experience, both individually and collectively, to perform their duties. In particular, they shall not have been convicted of offences relating to money laundering or terrorist financing or of any other offences that would affect their good reputation. They shall also demonstrate that they are capable of committing sufficient time to effectively perform their duties.
3. The management body of issuers of asset-referenced tokens shall assess and periodically review the effectiveness of the policy arrangements and procedures put in place to comply with Chapters 2, 3, 5 and 6 of this Title and take appropriate measures to address any deficiencies in that respect.

4. Shareholders or members, whether direct or indirect, that have qualifying holdings in issuers of asset-referenced tokens shall be of sufficiently good repute and, in particular, shall not have been convicted of offences relating to money laundering or terrorist financing or of any other offences that would affect their good repute.
5. Issuers of asset-referenced tokens shall adopt policies and procedures that are sufficiently effective to ensure compliance with this Regulation. Issuers of asset-referenced tokens shall establish, maintain and implement, in particular, policies and procedures on:
 - (a) the reserve of assets referred to in Article 36;
 - (b) the custody of the reserve assets, including the segregation of assets, as specified in Article 37;
 - (c) the rights granted to the holders of asset-referenced tokens, as specified in Article 39;
 - (d) the mechanism through which asset-referenced tokens are issued and redeemed;
 - (e) the protocols for validating transactions in asset-referenced tokens;
 - (f) the functioning of the issuers' proprietary distributed ledger technology, where the asset-referenced tokens are issued, transferred and stored using such distributed ledger technology or similar technology that is operated by the issuers or a third party acting on their behalf;

- (g) the mechanisms to ensure the liquidity of asset-referenced tokens, including the liquidity management policy and procedures for issuers of significant asset-referenced tokens referred to in Article 45;
- (h) arrangements with third-party entities for operating the reserve of assets, and for the investment of the reserve assets, the custody of the reserve assets and, where applicable, the distribution of the asset-referenced tokens to the public;
- (i) the written consent of the issuers of asset-referenced tokens given to other persons that might offer or seek the admission to trading of the asset-referenced tokens;
- (j) complaints-handling, as specified in Article 31;
- (k) conflicts of interest, as specified in Article 32.

Where issuers of asset-referenced tokens enter into arrangements as referred to in the first subparagraph, point (h), those arrangements shall be set out in a contract with the third-party entities. Those contractual arrangements shall set out the roles, responsibilities, rights and obligations both of the issuers of asset-referenced tokens and of the third-party entities. Any contractual arrangement with cross-jurisdictional implications shall provide for an unambiguous choice of applicable law.

6. Unless they have initiated a redemption plan referred to in Article 47, issuers of asset-referenced tokens shall employ appropriate and proportionate systems, resources and procedures to ensure the continued and regular performance of their services and activities. To that end, issuers of asset-referenced tokens shall maintain all of their systems and security access protocols in conformity with the appropriate Union standards.
7. If the issuer of an asset-referenced token decides to discontinue the provision of its services and activities, including by discontinuing the issue of that asset-referenced token, it shall submit a plan to the competent authority for approval of such discontinuation.
8. Issuers of asset-referenced tokens shall identify sources of operational risk and minimise those risks through the development of appropriate systems, controls and procedures.
9. Issuers of asset-referenced tokens shall establish a business continuity policy and plans to ensure, in the case of an interruption of their ICT systems and procedures, the preservation of essential data and functions and the maintenance of their activities or, where that is not possible, the timely recovery of such data and functions and the timely resumption of their activities.

10. Issuers of asset-referenced tokens shall have in place internal control mechanisms and effective procedures for risk management, including effective control and safeguard arrangements for managing ICT systems as required by Regulation (EU) 2022/2554 of the European Parliament and of the Council¹. The procedures shall provide for a comprehensive assessment relating to the reliance on third-party entities as referred to in paragraph 5, first subparagraph, point (h), of this Article. Issuers of asset-referenced tokens shall monitor and evaluate on a regular basis the adequacy and effectiveness of the internal control mechanisms and procedures for risk assessment and take appropriate measures to address any deficiencies in that respect.
11. Issuers of asset-referenced tokens shall have systems and procedures in place that are adequate to safeguard the availability, authenticity, integrity and confidentiality of data as required by Regulation (EU) 2022/2554 and in line with Regulation (EU) 2016/679. Those systems shall record and safeguard relevant data and information collected and produced in the course of the issuers' activities.
12. Issuers of asset-referenced tokens shall ensure that they are regularly audited by independent auditors. The results of those audits shall be communicated to the management body of the issuer concerned and made available to the competent authority.

¹ Regulation (EU) 2022/2554 of the European Parliament and of the Council of 14 December 2022 on digital operational resilience for the financial sector and amending Regulations (EC) No 1060/2009, (EU) No 648/2012, (EU) No 600/2014 and (EU) No 909/2014 and (EU) 2016/1011 (OJ L 333, 27.12.2022, p.1).

13. By ... [12 months after the date of entry into force of this Regulation], EBA, in close cooperation with ESMA and the ECB, shall issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010 specifying the minimum content of the governance arrangements on:

- (a) the monitoring tools for the risks referred to in paragraph 8;
- (b) the business continuity plan referred to in paragraph 9;
- (c) the internal control mechanism referred to in paragraph 10;
- (d) the audits referred to in paragraph 12, including the minimum documentation to be used in the audit.

When issuing the guidelines referred to in the first subparagraph, EBA shall take into account the provisions on governance requirements in other Union legislative acts on financial services, including Directive 2014/65/EU.

Article 35
Own funds requirements

1. Issuers of asset-referenced tokens shall, at all times, have own funds equal to an amount of at least the highest of the following:
 - (a) EUR 350 000;
 - (b) 2 % of the average amount of the reserve of assets referred to in Article 36;
 - (c) a quarter of the fixed overheads of the preceding year.

For the purposes of point (b) of the first subparagraph, the average amount of the reserve of assets shall mean the average amount of the reserve assets at the end of each calendar day, calculated over the preceding six months.

Where an issuer offers more than one asset-referenced token, the amount referred to in point (b) of the first subparagraph shall be the sum of the average amount of the reserve assets backing each asset-referenced token.

The amount referred to in point (c) of the first subparagraph shall be reviewed annually and calculated in accordance with Article 67(3).

2. The own funds referred to in paragraph 1 of this Article shall consist of the Common Equity Tier 1 items and instruments referred to in Articles 26 to 30 of Regulation (EU) No 575/2013 after the deductions in full pursuant to Article 36 of that Regulation, without the application of the threshold exemptions referred to in Article 46(4) and Article 48 of that Regulation.

3. The competent authority of the home Member State may require an issuer of an asset-referenced token to hold an amount of own funds which is up to 20 % higher than the amount resulting from the application of paragraph 1, first subparagraph, point (b), where an assessment of any of the following indicates a higher degree of risk:
 - (a) the evaluation of the risk-management processes and internal control mechanisms of the issuer of the asset-referenced token as referred to in Article 34 (1), (8) and (10);
 - (b) the quality and volatility of the reserve of assets referred to in Article 36;
 - (c) the types of rights granted by the issuer of the asset-referenced token to holders of the asset-referenced token in accordance with Article 39;
 - (d) where the reserve of assets includes investments, the risks posed by the investment policy on the reserve of assets;
 - (e) the aggregate value and number of transactions settled in the asset-referenced token;

- (f) the importance of the markets on which the asset-referenced token is offered and marketed;
 - (g) where applicable, the market capitalisation of the asset-referenced token.
4. The competent authority of the home Member State may require an issuer of an asset-referenced token that is not significant to comply with any requirement set out in Article 45, where necessary to address the higher degree of risks identified in accordance with paragraph 3 of this Article, or any other risks that Article 45 aims to address, such as liquidity risks.
5. Without prejudice to paragraph 3, issuers of asset-referenced tokens shall conduct, on a regular basis, stress testing that takes into account severe but plausible financial stress scenarios, such as interest rate shocks, and non-financial stress scenarios, such as operational risk. Based on the outcome of such stress testing, the competent authority of the home Member State shall require the issuer of the asset-referenced token to hold an amount of own funds that is between 20 % and 40 % higher than the amount resulting from the application of paragraph 1, first subparagraph, point (b), in certain circumstances having regard to the risk outlook and stress testing results.

6. EBA, in close cooperation with ESMA and the ECB, shall develop draft regulatory technical standards further specifying:
- (a) the procedure and timeframe for an issuer of an asset-referenced token to adjust to higher own funds requirements as set out in paragraph 3;
 - (b) the criteria for requiring a higher amount of own funds as set out in paragraph 3;
 - (c) the minimum requirements for the design of stress testing programmes, taking into account the size, complexity and nature of the asset-referenced token, including but not limited to:
 - (i) the types of stress testing and their main objectives and applications;
 - (ii) the frequency of the different stress testing exercises;
 - (iii) the internal governance arrangements;
 - (iv) the relevant data infrastructure;
 - (v) the methodology and the plausibility of assumptions;
 - (vi) the application of the proportionality principle to all of the minimum requirements, whether quantitative or qualitative; and

- (vii) the minimum periodicity of the stress tests and the common reference parameters of the stress test scenarios.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Chapter 3

Reserve of assets

Article 36

Obligation to have a reserve of assets, and composition and management of such reserve of assets

1. Issuers of asset-referenced tokens shall constitute and at all times maintain a reserve of assets.

The reserve of assets shall be composed and managed in such a way that:

- (a) the risks associated to the assets referenced by the asset-referenced tokens are covered; and
 - (b) the liquidity risks associated to the permanent rights of redemption of the holders are addressed.
2. The reserve of assets shall be legally segregated from the issuers' estate, as well as from the reserve of assets of other asset-referenced tokens, in the interests of the holders of asset-referenced tokens in accordance with applicable law, so that creditors of the issuers have no recourse to the reserve of assets, in particular in the event of insolvency.

3. Issuers of asset-referenced tokens shall ensure that the reserve of assets is operationally segregated from their estate, as well as from the reserve of assets of other tokens.
4. EBA, in close cooperation with ESMA and the ECB, shall develop draft regulatory technical standards further specifying the liquidity requirements, taking into account the size, complexity and nature of the reserve of assets and of the asset-referenced token itself.

The regulatory technical standards shall establish in particular:

- (a) the relevant percentage of the reserve of assets according to daily maturities, including the percentage of reverse repurchase agreements that are able to be terminated by giving prior notice of one working day, or the percentage of cash that is able to be withdrawn by giving prior notice of one working day;
- (b) the relevant percentage of the reserve of assets according to weekly maturities, including the percentage of reverse repurchase agreements that are able to be terminated by giving prior notice of five working days, or the percentage of cash that is able to be withdrawn by giving prior notice of five working days;
- (c) other relevant maturities, and overall techniques for liquidity management;
- (d) the minimum amounts in each official currency referenced to be held as deposits in credit institutions, which cannot be lower than 30 % of the amount referenced in each official currency.

For the purposes of points (a), (b) and (c) of the second subparagraph, EBA shall take into account, amongst others, the relevant thresholds laid down in Article 52 of Directive 2009/65/EC.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

5. Issuers that offer two or more asset-referenced tokens to the public shall operate and maintain segregated pools of reserves of assets for each asset-referenced token. Each of those pools of reserves of assets shall be managed separately.

Where different issuers of asset-referenced tokens offer the same asset-referenced token to the public, those issuers shall operate and maintain only one reserve of assets for that asset-referenced token.

6. The management bodies of issuers of asset-referenced tokens shall ensure the effective and prudent management of the reserve of assets. The issuers shall ensure that the issuance and redemption of asset-referenced tokens is always matched by a corresponding increase or decrease in the reserve of assets.
7. The issuer of an asset-referenced token shall determine the aggregate value of the reserve of assets by using market prices. Its aggregate value shall be at least equal to the aggregate value of the claims against the issuer from the holders of the asset-referenced token in circulation.
8. Issuers of asset-referenced tokens shall have a clear and detailed policy describing the stabilisation mechanism of such tokens. That policy shall in particular:
 - (a) list the assets referenced by the asset-referenced tokens and the composition of those assets;
 - (b) describe the type of assets and the precise allocation of assets that are included in the reserve of assets;
 - (c) contain a detailed assessment of the risks, including credit risk, market risk, concentration risk and liquidity risk resulting from the reserve of assets;

- (d) describe the procedure by which the asset-referenced tokens are issued and redeemed, and the procedure by which such issuance and redemption will result in a corresponding increase and decrease in the reserve of assets;
 - (e) mention whether a part of the reserve of assets is invested as provided in Article 38;
 - (f) where issuers of asset-referenced tokens invest a part of the reserve of assets as provided in Article 38, describe in detail the investment policy and contain an assessment of how that investment policy can affect the value of the reserve of assets;
 - (g) describe the procedure to purchase asset-referenced tokens and to redeem such tokens against the reserve of assets, and list the persons or categories of persons who are entitled to do so.
9. Without prejudice to Article 34(12), issuers of asset-referenced tokens shall mandate an independent audit of the reserve of assets every six months, assessing compliance with the rules of this Chapter, as of the date of their authorisation pursuant to Article 21 or as of the date of approval of the crypto-asset white paper pursuant to Article 17.

10. The issuer shall notify the results of the audit referred to in paragraph 9 to the competent authority without delay, and at the latest within six weeks of the reference date of the valuation. The issuer shall publish the result of the audit within two weeks of the date of notification to the competent authority. The competent authority may instruct an issuer to delay the publication of the results of the audit in the event that:
- (a) the issuer has been required to implement a recovery arrangement or measures in accordance with Article 46(3);
 - (b) the issuer has been required to implement a redemption plan in accordance with Article 47;
 - (c) it is deemed necessary to protect the economic interests of holders of the asset-referenced token;
 - (d) it is deemed necessary to avoid a significant adverse effect on the financial system of the home Member State or another Member State.
11. The valuation at market prices referred to in paragraph 7 of this Article shall be made by using mark-to-market, as defined in Article 2, point (8), of Regulation (EU) 2017/1131 of the European Parliament and of the Council¹ whenever possible.

¹ Regulation (EU) 2017/1131 of the European Parliament and of the Council of 14 June 2017 on money market funds (OJ L 169, 30.6.2017, p. 8).

When using mark-to-market valuation the reserve asset shall be valued at the more prudent side of the bid and offer unless the reserve asset can be closed out at mid-market. Only market data of good quality shall be used, and such data shall be assessed based on all of the following factors:

- (a) the number and quality of the counterparties;
- (b) the volume and turnover in the market of the reserve asset;
- (c) the size of the reserve of assets.

12. Where use of mark-to-market as referred to in paragraph 11 of this Article is not possible or the market data is not of sufficiently good quality, the reserve asset shall be valued conservatively by using mark-to-model, as defined in Article 2, point (9), of Regulation (EU) 2017/1131.

The model shall accurately estimate the intrinsic value of the reserve asset, based on all of the following up-to-date key factors:

- (a) the volume and turnover in the market of that reserve asset;
- (b) the size of the reserve of assets;

- (c) the market risk, interest rate risk and credit risk attached to the reserve asset.

When using mark-to-model, the amortised cost method, as defined in Article 2, point (10), of Regulation (EU) 2017/1131, shall not be used.

Article 37

Custody of reserve assets

1. Issuers of asset-referenced tokens shall establish, maintain and implement custody policies, procedures and contractual arrangements that ensure at all times that:
 - (a) the reserve assets are not encumbered nor pledged as a financial collateral arrangement as defined in Article 2(1), point (a), of Directive 2002/47/EC of the European Parliament and of the Council¹;
 - (b) the reserve assets are held in custody in accordance with paragraph 6 of this Article;
 - (c) the issuers of asset-referenced tokens have prompt access to the reserve assets to meet any requests for redemption from the holders of asset-referenced tokens;
 - (d) concentrations of the custodians of reserve assets are avoided;
 - (e) risk of concentration of reserve assets is avoided.

¹ Directive 2002/47/EC of the European Parliament and of the Council of 6 June 2002 on financial collateral arrangements (OJ L 168, 27.6.2002, p. 43).

2. Issuers of asset-referenced tokens that issue two or more asset-referenced tokens in the Union shall have a custody policy in place for each pool of reserve of assets. Different issuers of asset-referenced tokens that have issued the same asset-referenced token shall operate and maintain a single custody policy.
3. The reserve assets shall be held in custody by no later than five working days after the date of issuance of the asset-referenced token by one or more of the following:
 - (a) a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients, where the reserve assets take the form of crypto-assets;
 - (b) a credit institution, for all types of reserve assets;
 - (c) an investment firm that provides the ancillary service of safekeeping and administration of financial instruments for the account of clients as referred to in Section B, point (1), of Annex I to Directive 2014/65/EU, where the reserve assets take the form of financial instruments.
4. Issuers of asset-referenced tokens shall exercise all due skill, care and diligence in the selection, appointment and review of crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets as referred to in paragraph 3. The custodian shall be a legal person different from the issuer.

Issuers of asset-referenced tokens shall ensure that the crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets as referred to in paragraph 3 have the necessary expertise and market reputation to act as custodians of such reserve assets, taking into account the accounting practices, safekeeping procedures and internal control mechanisms of those crypto-asset service providers, credit institutions and investment firms. The contractual arrangements between the issuers of asset-referenced tokens and the custodians shall ensure that the reserve assets held in custody are protected against claims of the custodians' creditors.

5. The custody policies and procedures referred to in paragraph 1 shall set out the selection criteria for the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets and the procedure for reviewing such appointment.

Issuers of asset-referenced tokens shall review the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets on a regular basis. For the purpose of that review, issuers of asset-referenced tokens shall evaluate their exposures to such custodians, taking into account the full scope of their relationship with them, and monitor the financial conditions of such custodians on an ongoing basis.

6. Custodians of the reserve assets as referred to in paragraph 4 shall ensure that the custody of those reserve assets is carried out in the following manner:
- (a) credit institutions shall hold in custody funds in an account opened in the credit institutions' books;
 - (b) for financial instruments that can be held in custody, credit institutions or investment firms shall hold in custody all financial instruments that can be registered in a financial instruments account opened in the credit institutions' or investments firms' books and all financial instruments that can be physically delivered to such credit institutions or investment firms;
 - (c) for crypto-assets that can be held in custody, the crypto-asset service providers shall hold in custody the crypto-assets included in the reserve assets or the means of access to such crypto-assets, where applicable, in the form of private cryptographic keys;
 - (d) for other assets, the credit institutions shall verify the ownership of the issuers of the asset-referenced tokens and shall maintain a record of those reserve assets for which they are satisfied that the issuers of the asset-referenced tokens own those reserve assets.

For the purposes of point (a) of the first subparagraph, credit institutions shall ensure that funds are registered in the credit institutions' books on a segregated account in accordance with the provisions of national law transposing Article 16 of Commission Directive 2006/73/EC¹. That account shall be opened in the name of the issuer of the asset-referenced tokens for the purposes of managing the reserve assets of each asset-referenced token, so that the funds held in custody can be clearly identified as belonging to each reserve of assets.

For the purposes of point (b) of the first subparagraph, credit institutions and investment firms shall ensure that all financial instruments that can be registered in a financial instruments account opened in the credit institutions' books and investment firms' books are registered in the credit institutions' and investment firms' books on segregated accounts in accordance with the provisions of national law transposing Article 16 of Directive 2006/73/EC. The financial instruments account shall be opened in the name of the issuers of the asset-referenced tokens for the purposes of managing the reserve assets of each asset-referenced token, so that the financial instruments held in custody can be clearly identified as belonging to each reserve of assets.

¹ Commission Directive 2006/73/EC of 10 August 2006 implementing Directive 2004/39/EC of the European Parliament and of the Council as regards organisational requirements and operating conditions for investment firms and defined terms for the purposes of that Directive (OJ L 241, 2.9.2006, p. 26).

For the purposes of point (c) of the first subparagraph, crypto-asset service providers shall open a register of positions in the name of the issuers of the asset-referenced tokens for the purposes of managing the reserve assets of each asset-referenced token, so that the crypto-assets held in custody can be clearly identified as belonging to each reserve of assets.

For the purposes of point (d) of the first subparagraph, the assessment whether issuers of asset-referenced tokens own the reserve assets shall be based on information or documents provided by the issuers of the asset-referenced tokens and, where available, on external evidence.

7. The appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets as referred to in paragraph 4 of this Article shall be evidenced by a contractual arrangement as referred to in Article 34(5), second subparagraph. Those contractual arrangements shall, amongst others, regulate the flow of information necessary to enable the issuers of the asset-referenced tokens and the crypto-asset service providers, credit institutions and investment firms to perform their functions as custodians.

8. The crypto-asset service providers, credit institutions and investment firms appointed as custodians in accordance with paragraph 4 shall act honestly, fairly, professionally, independently and in the interest of the issuers of the asset-referenced tokens and the holders of such tokens.
9. The crypto-asset service providers, credit institutions and investment firms appointed as custodians in accordance with paragraph 4 shall not carry out activities with regard to the issuers of the asset-referenced tokens that might create conflicts of interest between those issuers, the holders of the asset-referenced tokens and themselves unless all of the following conditions are met:
 - (a) the crypto-asset service providers, credit institutions or investment firms have functionally and hierarchically separated the performance of their custody tasks from their potentially conflicting tasks;
 - (b) the potential conflicts of interest have been properly identified, monitored, managed and disclosed by the issuers of the asset-referenced tokens to the holders of the asset-referenced tokens, in accordance with Article 32.

10. In the case of a loss of a financial instrument or a crypto-asset held in custody pursuant to paragraph 6, the crypto-asset service provider, credit institution or investment firm that lost that financial instrument or crypto-asset shall compensate, or make restitution, to the issuer of the asset-referenced token with a financial instrument or a crypto-asset of an identical type or the corresponding value without undue delay. The crypto-asset service provider, credit institution or investment firm concerned shall not be liable for compensation or restitution where it can prove that the loss has occurred as a result of an external event beyond its reasonable control, the consequences of which were unavoidable despite all reasonable efforts to the contrary.

Article 38

Investment of the reserve of assets

1. Issuers of asset-referenced tokens that invest a part of the reserve of assets shall only invest those assets in highly liquid financial instruments with minimal market risk, credit risk and concentration risk. The investments shall be capable of being liquidated rapidly with minimal adverse price effect.

2. Units in an undertaking for collective investment in transferable securities (UCITS) shall be deemed to be assets with minimal market risk, credit risk and concentration risk for the purposes of paragraph 1, where that UCITS invests solely in assets as further specified by EBA in accordance with paragraph 5 and where the issuer of the asset-referenced token ensures that the reserve of assets is invested in such a way that the concentration risk is minimised.
3. The financial instruments in which the reserve of assets is invested shall be held in custody in accordance with Article 37.
4. All profits or losses, including fluctuations in the value of the financial instruments referred to in paragraph 1, and any counterparty or operational risks that result from the investment of the reserve of assets shall be borne by the issuer of the asset-referenced token.
5. EBA, in cooperation with ESMA and the ECB, shall develop draft regulatory technical standards specifying the financial instruments that can be considered highly liquid and bearing minimal market risk, credit risk and concentration risk as referred to in paragraph 1. When specifying those financial instruments, EBA shall take into account:
 - (a) the various types of assets that can be referenced by an asset-referenced token;

- (b) the correlation between the assets referenced by the asset-referenced token and the highly liquid financial instruments that the issuer might invest in;
- (c) the liquidity coverage requirement as referred to in Article 412 of Regulation (EU) No 575/2013 and as further specified in Commission Delegated Regulation (EU) 2015/61¹;
- (d) constraints on concentration preventing the issuer from:
 - (i) investing more than a certain percentage of reserve assets in highly liquid financial instruments with minimal market risk, credit risk and concentration risk issued by a single entity;
 - (ii) holding in custody more than a certain percentage of crypto-assets or assets with crypto-asset service providers or credit institutions which belong to the same group, as defined in Article 2, point (11), of Directive 2013/34/EU of the European Parliament and of the Council², or investment firms.

¹ Commission Delegated Regulation (EU) 2015/61 of 10 October 2014 to supplement Regulation (EU) No 575/2013 of the European Parliament and the Council with regard to liquidity coverage requirement for Credit Institutions (OJ L 11, 17.1.2015, p. 1).

² Directive 2013/34/EU of the European Parliament and of the Council of 26 June 2013 on the annual financial statements, consolidated financial statements and related reports of certain types of undertakings, amending Directive 2006/43/EC of the European Parliament and of the Council and repealing Council Directives 78/660/EEC and 83/349/EEC (OJ L 182, 29.6.2013, p. 19).

For the purposes of point (d)(i) of the first subparagraph, EBA shall devise suitable limits to determine concentration requirements. Those limits shall take into account, amongst others, the relevant thresholds laid down in Article 52 of Directive 2009/65/EC.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Article 39

Right of redemption

1. Holders of asset-referenced tokens shall have a right of redemption at all times against the issuers of the asset-referenced tokens, and in respect of the reserve assets when issuers are not able to meet their obligations as referred to in Chapter 6 of this Title. Issuers shall establish, maintain and implement clear and detailed policies and procedures in respect of such permanent right of redemption.

2. Upon request by a holder of an asset-referenced token, an issuer of such token shall redeem either by paying an amount in funds, other than electronic money, equivalent to the market value of the assets referenced by the asset-referenced token held or by delivering the assets referenced by the token. Issuers shall establish a policy on such permanent right of redemption setting out:
- (a) the conditions, including thresholds, periods and timeframes, for holders of asset-referenced tokens to exercise such right of redemption;
 - (b) the mechanisms and procedures to ensure the redemption of the asset-referenced tokens, including in stressed market circumstances, as well as in the context of the implementation of the recovery plan set out in Article 46 or, in the case of an orderly redemption of asset-referenced tokens, under Article 47;
 - (c) the valuation, or the principles of valuation, of the asset-referenced tokens and of the reserve assets when the right of redemption is exercised by the holder of asset-referenced tokens, including by using the valuation methodology set out in Article 36(11);
 - (d) the conditions for settlement of the redemption; and

- (e) measures that the issuers take to adequately manage increases or decreases in the reserve of assets in order to avoid any adverse impacts on the market of the reserve assets.

Where issuers, when selling an asset-referenced token, accept a payment in funds other than electronic money, denominated in an official currency, they shall always provide an option to redeem the token in funds other than electronic money, denominated in the same official currency.

- 3. Without prejudice to Article 46, the redemption of asset-referenced tokens shall not be subject to a fee.

Article 40

Prohibition of granting interest

- 1. Issuers of asset-referenced tokens shall not grant interest in relation to asset-referenced tokens.
- 2. Crypto-asset service providers shall not grant interest when providing crypto-asset services related to asset-referenced tokens.

3. For the purposes of paragraphs 1 and 2, any remuneration or any other benefit related to the length of time during which a holder of asset-referenced tokens holds such asset-referenced tokens shall be treated as interest. That includes net compensation or discounts, with an effect equivalent to that of interest received by the holder of asset-referenced tokens, directly from the issuer or from third parties, and directly associated to the asset-referenced tokens or from the remuneration or pricing of other products.

Chapter 4

Acquisitions of issuers of asset-referenced tokens

Article 41

Assessment of proposed acquisitions of issuers of asset-referenced tokens

1. Any natural or legal persons or such persons acting in concert who intend to acquire, directly or indirectly (the ‘proposed acquirer’), a qualifying holding in an issuer of an asset-referenced token or to increase, directly or indirectly, such a qualifying holding so that the proportion of the voting rights or of the capital held would reach or exceed 20 %, 30 % or 50 %, or so that the issuer of the asset-referenced token would become its subsidiary, shall notify the competent authority of that issuer thereof in writing, indicating the size of the intended holding and the information required by the regulatory technical standards adopted by the Commission in accordance with Article 42(4).
2. Any natural or legal person who has taken a decision to dispose, directly or indirectly, of a qualifying holding in an issuer of an asset-referenced token shall, prior to disposing of that holding, notify in writing the competent authority of its decision and indicate the size of such holding. That person shall also notify the competent authority where it has taken a decision to reduce a qualifying holding so that the proportion of the voting rights or of the capital held would fall below 10 %, 20 %, 30 % or 50 %, or so that the issuer of the asset-referenced token would cease to be that person’s subsidiary.

3. The competent authority shall promptly and in any event within two working days following receipt of a notification pursuant to paragraph 1 acknowledge receipt thereof in writing.
4. The competent authority shall assess the proposed acquisition referred to in paragraph 1 of this Article and the information required by the regulatory technical standards adopted by the Commission in accordance with Article 42(4), within 60 working days of the date of the written acknowledgement of receipt referred to in paragraph 3 of this Article. When acknowledging receipt of the notification, the competent authority shall inform the proposed acquirer of the date of expiry of the assessment period.
5. When performing the assessment referred to in paragraph 4, the competent authority may request from the proposed acquirer any additional information that is necessary to complete that assessment. Such request shall be made before the assessment is finalised, and in any case no later than on the 50th working day from the date of the written acknowledgement of receipt referred to in paragraph 3. Such requests shall be made in writing and shall specify the additional information needed.

The competent authority shall suspend the assessment period referred to in paragraph 4 until it has received the additional information referred to in the first subparagraph of this paragraph. The suspension shall not exceed 20 working days. Any further requests by the competent authority for additional information or for clarification of the information received shall not result in an additional suspension of the assessment period.

The competent authority may extend the suspension referred to in the second subparagraph of this paragraph by up to 30 working days if the proposed acquirer is situated outside the Union or regulated under the law of a third country.

6. A competent authority that, upon completion of the assessment referred to in paragraph 4, decides to oppose the proposed acquisition referred to in paragraph 1 shall notify the proposed acquirer thereof within two working days, and in any event before the date referred to in paragraph 4 extended, where applicable, in accordance with paragraph 5, second and third subparagraphs. The notification shall provide the reasons for such a decision.
7. Where the competent authority does not oppose the proposed acquisition referred to in paragraph 1 before the date referred to in paragraph 4 extended, where applicable, in accordance with paragraph 5, second and third subparagraphs, the proposed acquisition shall be deemed to be approved.

8. The competent authority may set a maximum period for concluding the proposed acquisition referred to in paragraph 1, and extend that maximum period where appropriate.

Article 42

Content of the assessment of proposed acquisitions of issuers of asset-referenced tokens

1. When performing the assessment referred to in Article 41(4), the competent authority shall appraise the suitability of the proposed acquirer and the financial soundness of the proposed acquisition referred to in Article 41(1) against all of the following criteria:
 - (a) the reputation of the proposed acquirer;
 - (b) the reputation, knowledge, skills and experience of any person who will direct the business of the issuer of the asset-referenced token as a result of the proposed acquisition;
 - (c) the financial soundness of the proposed acquirer, in particular in relation to the type of business envisaged and pursued in respect of the issuer of the asset-referenced token in which the acquisition is proposed;
 - (d) whether the issuer of the asset-referenced token will be able to comply and continue to comply with the provisions of this Title;

- (e) whether there are reasonable grounds to suspect that, in connection with the proposed acquisition, money laundering or terrorist financing within the meaning of, respectively, Article 1(3) and (5) of Directive (EU) 2015/849 is being or has been committed or attempted, or that the proposed acquisition could increase the risk thereof.
2. The competent authority may oppose the proposed acquisition only where there are reasonable grounds for doing so based on the criteria set out in paragraph 1 of this Article or where the information provided in accordance with Article 41(4) is incomplete or false.
3. Member States shall not impose any prior conditions in respect of the level of qualifying holding that is required to be acquired under this Regulation nor allow their competent authorities to examine the proposed acquisition in terms of the economic needs of the market.
4. EBA, in close cooperation with ESMA, shall develop draft regulatory technical standards specifying the detailed content of the information that is necessary to carry out the assessment referred to in Article 41(4), first subparagraph. The information required shall be relevant for a prudential assessment, proportionate and adapted to the nature of the proposed acquirer and the proposed acquisition referred to in Article 41(1).

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

Chapter 5

Significant asset-referenced tokens

Article 43

Classification of asset-referenced tokens as significant asset-referenced tokens

1. The criteria for classifying asset-referenced tokens as significant asset-referenced tokens shall be the following, as further specified by the delegated acts adopted pursuant to paragraph 11:
 - (a) the number of holders of the asset-referenced token is larger than 10 million;
 - (b) the value of the asset-referenced token issued, its market capitalisation or the size of the reserve of assets of the issuer of the asset-referenced token is higher than EUR 5 000 000 000;
 - (c) the average number and average aggregate value of transactions in that asset-referenced token per day during the relevant period, is higher than 2,5 million transactions and EUR 500 000 000 respectively;

- (d) the issuer of the asset-referenced token is a provider of core platform services designated as a gatekeeper in accordance with Regulation (EU) 2022/1925 of the European Parliament and of the Council¹;
- (e) the significance of the activities of the issuer of the asset-referenced token on an international scale, including the use of the asset-referenced token for payments and remittances;
- (f) the interconnectedness of the asset-referenced token or its issuers with the financial system;
- (g) the fact that the same issuer issues at least one additional asset-referenced token or e-money token, and provides at least one crypto-asset service.

2. EBA shall classify asset-referenced tokens as significant asset-referenced tokens where at least three of the criteria set out in paragraph 1 of this Article are met:

- (a) during the period covered by the first report of information as referred to in paragraph 4 of this Article, following authorisation pursuant to Article 21 or after approval of the crypto-asset white paper pursuant to Article 17; or

¹ Regulation (EU) 2022/1925 of the European Parliament and of the Council of 14 September 2022 on contestable and fair markets in the digital sector and amending Directives (EU) 2019/1937 and (EU) 2020/1828 (Digital Markets Act) (OJ L 265, 12.10.2022, p. 1).

(b) during the period covered by at least two consecutive reports of information as referred to in paragraph 4 of this Article.

3. Where several issuers issue the same asset-referenced token, the fulfilment of the criteria set out in paragraph 1 shall be assessed after aggregating the data from those issuers.
4. Competent authorities of the issuer's home Member State shall report to EBA and the ECB information relevant for the assessment of the fulfilment of the criteria set out in paragraph 1 of this Article, including, if applicable, the information received under Article 22, at least twice a year.

Where the issuer is established in a Member State whose official currency is not the euro, or where an official currency of a Member State that is not the euro is referenced by the asset-referenced token, competent authorities shall transmit the information referred to in the first subparagraph also to the central bank of that Member State.

5. Where EBA concludes that an asset-referenced token fulfils the criteria set out in paragraph 1 in accordance with paragraph 2, EBA shall prepare a draft decision to classify the asset-referenced token as a significant asset-referenced token and notify that draft decision to the issuer of that asset-referenced token, to the competent authority of the issuer's home Member State, to the ECB and, in the cases referred to in paragraph 4, second subparagraph, to the central bank of the Member State concerned.

Issuers of such asset-referenced tokens, their competent authorities, the ECB and, where applicable, the central bank of the Member State concerned shall have 20 working days from the date of notification of EBA's draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

6. EBA shall take its final decision on whether to classify an asset-referenced token as a significant asset-referenced token within 60 working days of the date of notification referred to in paragraph 5 and immediately notify that decision to the issuer of such asset-referenced token and its competent authority.
7. Where an asset-referenced token has been classified as significant pursuant to a decision of EBA taken in accordance with paragraph 6, the supervisory responsibilities with respect to the issuer of that significant asset-referenced token shall be transferred from the competent authority of the issuer's home Member State to EBA within 20 working days of the date of notification of that decision.

EBA and the competent authority shall cooperate in order to ensure the smooth transition of supervisory competences.

8. EBA shall annually reassess the classification of significant asset-referenced tokens on the basis of the available information, including from the reports referred to in paragraph 4 or the information received under Article 22.

Where EBA concludes that certain asset-referenced tokens no longer fulfil the criteria set out in paragraph 1 in accordance with paragraph 2, EBA shall prepare a draft decision to no longer classify the asset-referenced tokens as significant and notify that draft decision to the issuers of those asset-referenced tokens and the competent authority of their home Member State, to the ECB and, in the cases referred to in paragraph 4, second subparagraph, to the central bank of the Member State concerned.

Issuers of such asset-referenced tokens, their competent authorities, the ECB and the central bank referred in paragraph 4 shall have 20 working days from the date of notification of that draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

9. EBA shall take its final decision on whether to no longer classify an asset-referenced token as significant within 60 working days from the date of the notification referred to in paragraph 8 and immediately notify that decision to the issuer of such asset-referenced tokens and its competent authority.

10. Where an asset-referenced token is no longer classified as significant pursuant to a decision of EBA taken in accordance with paragraph 9, the supervisory responsibilities with respect to the issuer of that asset-referenced token shall be transferred from EBA to the competent authority of the issuer's home Member State within 20 working days from the date of notification of that decision.

EBA and the competent authority shall cooperate in order to ensure the smooth transition of supervisory competences.

11. The Commission shall adopt delegated acts in accordance with Article 139 to supplement this Regulation by further specifying the criteria set out in paragraph 1 for an asset-referenced token to be classified as significant and determine:
- (a) the circumstances under which the activities of the issuer of the asset-referenced token are deemed significant on an international scale outside the Union;
 - (b) the circumstances under which asset-referenced tokens and their issuers shall be considered to be interconnected with the financial system;
 - (c) the content and format of information provided by competent authorities to EBA and the ECB under paragraph 4 of this Article and Article 56(3).

Article 44

Voluntary classification of asset-referenced tokens as significant asset-referenced tokens

1. Applicant issuers of asset-referenced tokens may indicate in their application for authorisation pursuant to Article 18, or in their notification pursuant to Article 17, that they wish for their asset-referenced tokens to be classified as significant asset-referenced tokens. In that case, the competent authority shall immediately notify such request of the applicant issuer to EBA, to the ECB and, in the cases referred to in Article 43(4), to the central bank of the Member State concerned.

In order for an asset-referenced token to be classified as significant under this Article, the applicant issuer of the asset-referenced token shall demonstrate, through a detailed programme of operations referred to in Article 17(1), point (b)(i), and Article 18(2), point (d), that it is likely to fulfil at least three of the criteria set out in Article 43(1).

2. EBA shall, within 20 working days of the notification referred to in paragraph 1 of this Article, prepare a draft decision containing its opinion based on the programme of operations whether the asset-referenced token fulfils or is likely to fulfil at least three of the criteria set out in Article 43(1) and notify that draft decision to the competent authority of the applicant issuer's home Member State, to the ECB and, in the cases referred to in Article 43(4), second subparagraph, to the central bank of the Member State concerned.

Competent authorities of issuers of such asset-referenced tokens, the ECB and, where applicable, the central bank of the Member State concerned, shall have 20 working days from the date of notification of that draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

3. EBA shall take its final decision on whether to classify an asset-referenced token as a significant asset-referenced token within 60 working days of the notification referred to in paragraph 1 and immediately notify that decision to the applicant issuer of such asset-referenced token and its competent authority.
4. Where asset-referenced tokens have been classified as significant pursuant to a decision of EBA taken in accordance with paragraph 3 of this Article, the supervisory responsibilities with respect to issuers of those asset-referenced tokens shall be transferred from the competent authority to EBA on the date of the decision of the competent authority to grant the authorisation referred to in Article 21(1) or on the date of approval of the crypto-asset white paper pursuant to Article 17.

Article 45

Specific additional obligations for issuers of significant asset-referenced tokens

1. Issuers of significant asset-referenced tokens shall adopt, implement and maintain a remuneration policy that promotes the sound and effective risk management of such issuers and that does not create incentives to relax risk standards.
2. Issuers of significant asset-referenced tokens shall ensure that such tokens can be held in custody by different crypto-asset service providers authorised for providing custody and administration of crypto-assets on behalf of clients, including by crypto-asset service providers that do not belong to the same group, as defined in Article 2, point (11), of Directive 2013/34/EU, on a fair, reasonable and non-discriminatory basis.
3. Issuers of significant asset-referenced tokens shall assess and monitor the liquidity needs to meet requests for redemption of asset-referenced tokens by their holders. For that purpose, issuers of significant asset-referenced tokens shall establish, maintain and implement a liquidity management policy and procedures. That policy and those procedures shall ensure that the reserve assets have a resilient liquidity profile that enables issuers of significant asset-referenced tokens to continue operating normally, including under scenarios of liquidity stress.

4. Issuers of significant asset-referenced tokens shall, on a regular basis, conduct liquidity stress testing. Depending on the outcome of such tests, EBA may decide to strengthen the liquidity requirements referred to in paragraph 7, first subparagraph, point (b), of this Article and in Article 36(6).

Where issuers of significant asset-referenced tokens offer two or more asset-referenced tokens or provide crypto-asset services, those stress tests shall cover all of those activities in a comprehensive and holistic manner.

5. The percentage referred to in Article 35(1), first subparagraph, point (b), shall be set at 3 % of the average amount of the reserve assets for issuers of significant asset-referenced tokens.
6. Where several issuers offer the same significant asset-referenced token, paragraphs 1 to 5 shall apply to each issuer.

Where an issuer offers two or more asset-referenced tokens in the Union and at least one of those asset-referenced tokens is classified as significant, paragraphs 1 to 5 shall apply to that issuer.

7. EBA, in close cooperation with ESMA, shall develop draft regulatory technical standards specifying:

- (a) the minimum content of the governance arrangements on the remuneration policy referred to in paragraph 1;
- (b) the minimum contents of the liquidity management policy and procedures as set out in paragraph 3, and liquidity requirements, including by specifying the minimum amount of deposits in each official currency referenced, which cannot be lower than 60 % of the amount referenced in each official currency;
- (c) the procedure and timeframe for an issuer of a significant asset-referenced token to adjust the amount of its own funds as required by paragraph 5.

In the case of credit institutions, EBA shall calibrate the technical standards taking into consideration any possible interactions between the regulatory requirements established by this Regulation and the regulatory requirements established by other Union legislative acts.

EBA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1093/2010.

8. EBA, in close cooperation with ESMA and the ECB, shall issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010 with a view to establishing the common reference parameters of the stress test scenarios to be included in the stress tests referred to in paragraph 4 of this Article. Those guidelines shall be updated periodically taking into account the latest market developments.

Chapter 6

Recovery and redemption plans

Article 46

Recovery plan

1. An issuer of an asset-referenced token shall draw up and maintain a recovery plan providing for measures to be taken by the issuer to restore compliance with the requirements applicable to the reserve of assets in cases where the issuer fails to comply with those requirements.

The recovery plan shall also include the preservation of the issuer's services related to the asset-referenced token, the timely recovery of operations and the fulfilment of the issuer's obligations in the case of events that pose a significant risk of disrupting operations.

The recovery plan shall include appropriate conditions and procedures to ensure the timely implementation of recovery actions as well as a wide range of recovery options, including:

- (a) liquidity fees on redemptions;

(b) limits on the amount of the asset-referenced token that can be redeemed on any working day;

(c) suspension of redemptions.

2. The issuer of the asset-referenced token shall notify the recovery plan to the competent authority within six months of the date of authorisation pursuant to Article 21 or within six months of the date of approval of the crypto-asset white paper pursuant to Article 17. The competent authority shall require amendments to the recovery plan where necessary to ensure its proper implementation and shall notify its decision requesting those amendments to the issuer within 40 working days of the date of notification of that plan. That decision shall be implemented by the issuer within 40 working days of the date of notification of that decision. The issuer shall regularly review and update the recovery plan.

Where applicable, the issuer shall also notify the recovery plan to its resolution and prudential supervisory authorities in parallel to the competent authority.

3. Where the issuer fails to comply with the requirements applicable to the reserve of assets as referred to in Chapter 3 of this Title or, due to a rapidly deteriorating financial condition, is likely in the near future to not comply with those requirements, the competent authority, in order to ensure compliance with the applicable requirements, shall have the power to require the issuer to implement one or more of the arrangements or measures set out in the recovery plan or to update such a recovery plan when the circumstances are different from the assumptions set out in the initial recovery plan and implement one or more of the arrangements or measures set out in the updated plan within a specific timeframe.
4. In the circumstances referred to in paragraph 3, the competent authority shall have the power to temporarily suspend the redemption of asset-referenced tokens, provided that the suspension is justified having regard to the interests of the holders of asset-referenced tokens and financial stability.
5. Where applicable, the competent authority shall notify the issuer's resolution and prudential supervisory authorities of any measure taken pursuant to paragraphs 3 and 4.
6. EBA, after consultation with ESMA, shall issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010 to specify the format of the recovery plan and the information to be provided in the recovery plan.

Article 47
Redemption plan

1. An issuer of an asset-referenced token shall draw up and maintain an operational plan to support the orderly redemption of each asset-referenced token, which is to be implemented upon a decision by the competent authority that the issuer is unable or likely to be unable to fulfil its obligations, including in the case of insolvency or, where applicable, resolution or in the case of withdrawal of authorisation of the issuer, without prejudice to the commencement of a crisis prevention measure or crisis management measure as defined in Article 2(1), points (101) and (102), respectively, of Directive 2014/59/EU or a resolution action as defined in Article 2, point (11), of Regulation (EU) 2021/23 of the European Parliament and of the Council¹.
2. The redemption plan shall demonstrate the ability of the issuer of the asset-referenced token to carry out the redemption of the outstanding asset-referenced token issued without causing undue economic harm to its holders or to the stability of the markets of the reserve assets.

¹ Regulation (EU) 2021/23 of the European Parliament and of the Council of 16 December 2020 on a framework for the recovery and resolution of central counterparties and amending Regulations (EU) No 1095/2010, (EU) No 648/2012, (EU) No 600/2014, (EU) No 806/2014 and (EU) 2015/2365 and Directives 2002/47/EC, 2004/25/EC, 2007/36/EC, 2014/59/EU and (EU) 2017/1132 (OJ L 22, 22.1.2021, p. 1).

The redemption plan shall include contractual arrangements, procedures and systems, including the designation of a temporary administrator in accordance with applicable law, to ensure the equitable treatment of all holders of asset-referenced tokens and to ensure that holders of asset-referenced tokens are paid in a timely manner with the proceeds from the sale of the remaining reserve assets.

The redemption plan shall ensure the continuity of any critical activities that are necessary for the orderly redemption and that are performed by issuers or by any third-party entity.

3. The issuer of the asset-referenced token shall notify the redemption plan to the competent authority within six months of the date of authorisation pursuant to Article 21 or within six months of the date of approval of the crypto-asset white paper pursuant to Article 17. The competent authority shall require amendments to the redemption plan where necessary to ensure its proper implementation and shall notify its decision requesting those amendments to the issuer within 40 working days of the date of notification of that plan. That decision shall be implemented by the issuer within 40 working days of the date of notification of that decision. The issuer shall regularly review and update the redemption plan.
4. Where applicable, the competent authority shall notify the redemption plan to the resolution authority and prudential supervisory authority of the issuer.

The resolution authority may examine the redemption plan with a view to identifying any actions in the redemption plan that might adversely impact the resolvability of the issuer, and may make recommendations to the competent authority in respect thereof.

5. EBA shall issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010 to specify:
 - (a) the content of the redemption plan and the periodicity for review, taking into account the size, complexity and nature of the asset-referenced token and the business model of its issuer; and
 - (b) the triggers for implementation of the redemption plan.

TITLE IV

E-MONEY TOKENS

Chapter 1

Requirements to be fulfilled by all issuers of e-money tokens

Article 48

Requirements for the offer to the public or admission to trading of e-money tokens

1. A person shall not make an offer to the public or seek the admission to trading of an e-money token, within the Union, unless that person is the issuer of such e-money token and:
 - (a) is authorised as a credit institution or as an electronic money institution; and
 - (b) has notified a crypto-asset white paper to the competent authority and has published that crypto-asset white paper in accordance with Article 51.

Notwithstanding the first subparagraph, upon the written consent of the issuer, other persons may offer to the public or seek the admission to trading of the e-money token. Those persons shall comply with Articles 50 and 53.

2. E-money tokens shall be deemed to be electronic money.

An e-money token that references an official currency of a Member State shall be deemed to be offered to the public in the Union.

3. Titles II and III of Directive 2009/110/EC shall apply with respect to e-money tokens unless otherwise stated in this Title.

4. Paragraph 1 of this Article shall not apply to issuers of e-money tokens exempted in accordance with Article 9(1) of Directive 2009/110/EC.

5. This Title, with the exception of paragraph 7 of this Article and Article 51, shall not apply in respect of e-money tokens exempt pursuant to Article 1(4) and (5) of Directive 2009/110/EC.

6. Issuers of e-money tokens shall, at least 40 working days before the date on which they intend to offer to the public those e-money tokens or seek their admission to trading, notify their competent authority of that intention.

7. Where paragraph 4 or 5 applies, the issuers of e-money tokens shall draw up a crypto-asset white paper and notify such crypto-asset white paper to the competent authority in accordance with Article 51.

Article 49

Issuance and redeemability of e-money tokens

1. By way of derogation from Article 11 of Directive 2009/110/EC, in respect of the issuance and redeemability of e-money tokens only the requirements set out in this Article shall apply to issuers of e-money tokens.
2. Holders of e-money tokens shall have a claim against the issuers of those e-money tokens.
3. Issuers of e-money tokens shall issue e-money tokens at par value and on the receipt of funds.
4. Upon request by a holder of an e-money token, the issuer of that e-money token shall redeem it, at any time and at par value, by paying in funds, other than electronic money, the monetary value of the e-money token held to the holder of the e-money token.
5. Issuers of e-money tokens shall prominently state the conditions for redemption in the crypto-asset white paper as referred to in Article 51(1), first subparagraph, point (d).
6. Without prejudice to Article 46, the redemption of e-money tokens shall not be subject to a fee.

Article 50

Prohibition of granting interest

1. Notwithstanding Article 12 of Directive 2009/110/EC, issuers of e-money tokens shall not grant interest in relation to e-money tokens.
2. Crypto-asset service providers shall not grant interest when providing crypto-asset services related to e-money tokens.
3. For the purposes of paragraphs 1 and 2, any remuneration or any other benefit related to the length of time during which a holder of an e-money token holds such e-money token shall be treated as interest. That includes net compensation or discounts, with an effect equivalent to that of interest received by the holder of the e-money token, directly from the issuer or from third parties, and directly associated to the e-money token or from the remuneration or pricing of other products.

Article 51

Content and form of the crypto-asset white paper for e-money tokens

1. A crypto-asset white paper for an e-money token shall contain all of the following information, as further specified in Annex III:
 - (a) information about the issuer of the e-money token;

- (b) information about the e-money token;
- (c) information about the offer to the public of the e-money token or its admission to trading;
- (d) information on the rights and obligations attached to the e-money token;
- (e) information on the underlying technology;
- (f) information on the risks;
- (g) information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism used to issue the e-money token.

The crypto-asset white paper shall also include the identity of the person other than the issuer that offers the e-money token to the public or seeks its admission to trading pursuant to Article 48(1), second subparagraph, and the reason why that particular person offers that e-money token or seeks its admission to trading.

2. All the information listed in paragraph 1 shall be fair, clear and not misleading. The crypto-asset white paper shall not contain material omissions and shall be presented in a concise and comprehensible form.

3. The crypto-asset white paper shall contain the following clear and prominent statement on the first page:

‘This crypto-asset white paper has not been approved by any competent authority in any Member State of the European Union. The issuer of the crypto-asset is solely responsible for the content of this crypto-asset white paper.’.
4. The crypto-asset white paper shall contain a clear warning that:
 - (a) the e-money token is not covered by the investor compensation schemes under Directive 97/9/EC;
 - (b) the e-money token is not covered by the deposit guarantee schemes under Directive 2014/49/EU.
5. The crypto-asset white paper shall contain a statement from the management body of the issuer of the e-money token. That statement, which shall be inserted after the statement referred to in paragraph 3, shall confirm that the crypto-asset white paper complies with this Title and that, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is complete, fair, clear and not misleading and that the crypto-asset white paper makes no omission likely to affect its import.

6. The crypto-asset white paper shall contain a summary, inserted after the statement referred to in paragraph 5, which shall in brief and non-technical language provide key information about the offer to the public of the e-money token or the intended admission to trading of such e-money token. The summary shall be easily understandable and presented and laid out in a clear and comprehensive format, using characters of readable size. The summary of the crypto-asset white paper shall provide appropriate information about the characteristics of the crypto-assets concerned in order to help prospective holders of the crypto-assets to make an informed decision.

The summary shall contain a warning that:

- (a) it should be read as an introduction to the crypto-asset white paper;
- (b) the prospective holder should base any decision to purchase the e-money token on the content of the crypto-asset white paper as a whole and not on the summary alone;
- (c) the offer to the public of the e-money token does not constitute an offer or solicitation to purchase financial instruments and that any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law;

- (d) the crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 or any other offer document pursuant to Union or national law.

The summary shall state that holders of the e-money token have a right of redemption at any time and at par value as well as the conditions for redemption.

- 7. The crypto-asset white paper shall contain the date of its notification and a table of contents.
- 8. The crypto-asset white paper shall be drawn up in an official language of the home Member State or in a language customary in the sphere of international finance.

Where the e-money token is also offered in a Member State other than the home Member State, the crypto-asset white paper shall also be drawn up in an official language of the host Member State or in a language customary in the sphere of international finance.

- 9. The crypto-asset white paper shall be made available in a machine-readable format.
- 10. ESMA, in cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, formats and templates for the purposes of paragraph 9.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

11. Issuers of e-money tokens shall notify their crypto-asset white paper to their competent authority at least 20 working days before the date of their publication.

Competent authorities shall not require prior approval of crypto-asset white papers before their publication.

12. Any significant new factor, any material mistake or any material inaccuracy that is capable of affecting the assessment of the e-money token shall be described in a modified crypto-asset white paper drawn up by the issuers, notified to the competent authorities and published on the issuers' websites.
13. Before offering the e-money token to the public in the Union or seeking an admission to trading of the e-money token, the issuer of such e-money token shall publish a crypto-asset white paper on its website.

14. The issuer of the e-money token shall together with the notification of the crypto-asset white paper pursuant to paragraph 11 of this Article provide the competent authority with the information referred to in Article 109(4). The competent authority shall communicate to ESMA, within five working days of receipt of the information from the issuer, the information specified in Article 109(4).

The competent authority shall also communicate to ESMA any modified crypto-asset white paper and any withdrawal of the authorisation of the issuer of the e-money token.

ESMA shall make such information available in the register, under Article 109(4), by the starting date of the offer to the public or admission to trading or, in the case of a modified crypto-asset white paper, or withdrawal of the authorisation, without undue delay.

15. ESMA, in cooperation with EBA, shall develop draft regulatory technical standards on the content, methodologies and presentation of the information referred to in paragraph 1, point (g), in respect of the sustainability indicators in relation to adverse impacts on the climate and other environment- related adverse impacts.

When developing the draft regulatory technical standards referred to in the first subparagraph, ESMA shall consider the various types of consensus mechanisms used to validate transactions in crypto-assets, their incentive structures and the use of energy, renewable energy and natural resources, the production of waste, and greenhouse gas emissions. ESMA shall update the regulatory technical standards in the light of regulatory and technological developments.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 52

Liability of issuers of e-money tokens

for the information given in a crypto-asset white paper

1. Where an issuer of an e-money token has infringed Article 51, by providing in its crypto-asset white paper or in a modified crypto-asset white paper, information that is not complete, fair or clear, or that is misleading, that issuer and the members of its administrative, management or supervisory body shall be liable to a holder of such e-money token for any loss incurred due to that infringement.
2. Any contractual exclusion or limitation of civil liability as referred to in paragraph 1 shall be deprived of legal effect.
3. It shall be the responsibility of the holder of the e-money token to present evidence indicating that the issuer of that e-money token has infringed Article 51 by providing in its crypto-asset white paper or in a modified crypto-asset white paper information that is not complete, fair or clear, or that is misleading and that reliance on such information had an impact on the holder's decision to purchase, sell or exchange that e-money token.

4. The issuer and the members of its administrative, management or supervisory bodies shall not be liable for loss suffered as a result of reliance on the information provided in a summary pursuant to Article 51(6), including any translation thereof, except where the summary:
 - (a) is misleading, inaccurate or inconsistent when read together with the other parts of the crypto-asset white paper; or
 - (b) does not provide, when read together with the other parts of the crypto-asset white paper, key information in order to aid prospective holders when considering whether to purchase such e-money tokens.
5. This Article is without prejudice to any other civil liability pursuant to national law.

Article 53

Marketing communications

1. Marketing communications relating to an offer to the public of an e-money token, or to the admission to trading of such e-money token, shall comply with all the following requirements:
 - (a) the marketing communications are clearly identifiable as such;

- (b) the information in the marketing communications is fair, clear and not misleading;
 - (c) the information in the marketing communications is consistent with the information in the crypto-asset white paper;
 - (d) the marketing communications clearly state that a crypto-asset white paper has been published and clearly indicate the address of the website of the issuer of the e-money token, as well as a telephone number and an e-mail address to contact the issuer.
2. Marketing communications shall contain a clear and unambiguous statement that the holders of the e-money token have a right of redemption against the issuer at any time and at par value.
 3. Marketing communications and any modifications thereto shall be published on the issuer's website.
 4. Competent authorities shall not require prior approval of marketing communications before their publication.
 5. Marketing communications shall be notified to the competent authorities upon request.
 6. No marketing communications shall be disseminated prior to the publication of the crypto-asset white paper. Such restriction does not affect the ability of the issuer of the e-money token to conduct market soundings.

Article 54

Investment of funds received in exchange for e-money tokens

Funds received by issuers of e-money tokens in exchange for e-money tokens and safeguarded in accordance with Article 7(1) of Directive 2009/110/EC shall comply with the following:

- (a) at least 30 % of the funds received is always deposited in separate accounts in credit institutions;
- (b) the remaining funds received are invested in secure, low-risk assets that qualify as highly liquid financial instruments with minimal market risk, credit risk and concentration risk, in accordance with Article 38(1) of this Regulation, and are denominated in the same official currency as the one referenced by the e-money token.

Article 55

Recovery and redemption plans

Title III, Chapter 6 shall apply *mutatis mutandis* to issuers of e-money tokens.

By way of derogation from Article 46(2), the date by which the recovery plan is to be notified to the competent authority shall, in respect of issuers of e-money tokens, be within six months of the date of the offer to the public or admission to trading.

By way of derogation from Article 47(3), the date by which the redemption plan is to be notified to the competent authority shall, in respect of issuers of e-money tokens, be within six months of the date of the offer to the public or admission to trading.

Chapter 2

Significant e-money tokens

Article 56

Classification of e-money tokens as significant e-money tokens

1. EBA shall classify e-money tokens as significant e-money tokens where at least three of the criteria set out in Article 43(1) are met:
 - (a) during the period covered by the first report of information as referred to in paragraph 3 of this Article, following the offer to the public or the seeking admission to trading of those tokens; or
 - (b) during the period covered by at least two consecutive reports of information as referred to in paragraph 3 of this Article.
2. Where several issuers issue the same e-money token, the fulfilment of the criteria set out in Article 43(1) shall be assessed after aggregating the data from those issuers.

3. Competent authorities of the issuer's home Member State shall report to EBA and the ECB information relevant for the assessment of the fulfilment of the criteria set out in Article 43(1), including, if applicable, the information received under Article 22, at least twice a year.

Where the issuer is established in a Member State whose official currency is not the euro, or where an official currency of a Member State that is not the euro is referenced by the e-money token, competent authorities shall transmit the information referred to in the first subparagraph also to the central bank of that Member State.

4. Where EBA concludes that an e-money token fulfils the criteria set out in Article 43(1) in accordance with paragraph 1 of this Article, EBA shall prepare a draft decision to classify the e-money token as a significant e-money token and notify that draft decision to the issuer of the e-money token, the competent authority of the issuer's home Member State, to the ECB and, in the cases referred to in paragraph 3, second subparagraph, of this Article, to the central bank of the Member State concerned.

Issuers of such e-money tokens, their competent authorities, the ECB and, where applicable, the central bank of the Member State concerned shall have 20 working days from the date of notification of that draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

5. EBA shall take its final decision on whether to classify an e-money token as a significant e-money token within 60 working days from the date of notification referred to in paragraph 4 and immediately notify that decision to the issuer of such e-money token and its competent authority.

6. Where an e-money token has been classified as significant pursuant to a decision of EBA taken in accordance with paragraph 5, the supervisory responsibilities with respect to the issuer of that e e-money token shall be transferred from the competent authority of the issuer's home Member State to EBA in accordance with Article 117(4) within 20 working days from the date of notification of that decision.

EBA and the competent authority shall cooperate in order to ensure the smooth transition of supervisory competences.

7. By way of derogation from paragraph 6, the supervisory responsibilities with respect to the issuers of significant e-money tokens denominated in an official currency of a Member State other than the euro, where at least 80 % of the number of holders and of the volume of transactions of those significant e-money tokens are concentrated in the home Member State, shall not be transferred to EBA.

The competent authority of the issuer's home Member State shall provide EBA annually with information on any cases where the derogation referred to in the first subparagraph is applied.

For the purposes of the first subparagraph, a transaction shall be considered to take place in the home Member State when the payer or the payee is established in that Member State.

8. EBA shall annually reassess the classification of significant e-money tokens on the basis of the available information, including from the reports referred to in paragraph 3 of this Article or the information received under Article 22.

Where EBA concludes that certain e-money tokens no longer meet the criteria set out in Article 43(1), in accordance with paragraph 1 of this Article, EBA shall prepare a draft decision to no longer classify the e-money token as significant and notify that draft decision to the issuers of those e-money tokens, to the competent authorities of their home Member State, to the ECB and, in the cases referred to in paragraph 3, second subparagraph, of this Article, to the central bank of the Member State concerned.

Issuers of such e-money tokens, their competent authorities, the ECB and the central bank of the Member State concerned shall have 20 working days from the date of notification of that draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

9. EBA shall take its final decision on whether to no longer classify an e-money token as significant within 60 working days from the date of the notification referred to in paragraph 8 and immediately notify that decision to the issuer of that e-money token and its competent authority.

10. Where an e-money token is no longer classified as significant pursuant to a decision of EBA taken in accordance with paragraph 9, the supervisory responsibilities with respect to the issuer of that e-money token shall be transferred from EBA to the competent authority of the issuer's home Member State within 20 working days from the date of notification of that decision.

EBA and the competent authority shall cooperate in order to ensure the smooth transition of supervisory competences.

Article 57

Voluntary classification of e-money tokens as significant e-money tokens

1. An issuer of an e-money token, authorised as a credit institution or as an electronic money institution, or applying for such authorisation, may indicate that it wishes for its e-money token to be classified as a significant e-money token. In that case, the competent authority shall immediately notify such request of the issuer to EBA, to the ECB and, in the cases referred to in Article 56(3), second subparagraph, to the central bank of the Member State concerned.

In order for the e-money token to be classified as significant under this Article, the issuer of the e-money token shall demonstrate, through a detailed programme of operations, that it is likely to meet at least three of the criteria set out in Article 43(1).

2. EBA shall, within 20 working days from the date of notification referred to in paragraph 1 of this Article, prepare a draft decision containing its opinion based on the issuer's programme of operations whether the e-money token fulfils or is likely to fulfil at least three of the criteria set out in Article 43(1) and notify that draft decision to the competent authority of the issuer's home Member State, to the ECB and, in the cases referred to in Article 56(3), second subparagraph, to the central bank of the Member State concerned.

The competent authorities of issuers of such e-money tokens, the ECB and, where applicable, the central bank of the Member State concerned shall have 20 working days from the date of notification of that draft decision to provide observations and comments in writing. EBA shall duly consider those observations and comments before adopting a final decision.

3. EBA shall take its final decision on whether to classify an e-money token as a significant e-money token within 60 working days of the date of notification referred to in paragraph 1 and immediately notify that decision to the issuer of such e-money token and its competent authority.

4. Where an e-money token has been classified as significant pursuant to a decision of EBA taken in accordance with paragraph 3 of this Article, the supervisory responsibilities with respect to issuers of those e-money tokens shall be transferred from the competent authority to EBA in accordance with Article 117(4) within 20 working days from the date of notification of that decision.

EBA and the competent authorities shall cooperate in order to ensure the smooth transition of supervisory competences.

5. By way of derogation from paragraph 4, the supervisory responsibilities with respect to issuers of significant e-money tokens denominated in an official currency of a Member State other than the euro shall not be transferred to EBA, where at least 80 % of the number of holders and of the volume of transactions of those significant e-money tokens are or are expected to be concentrated in the home Member State.

The competent authority of the issuer's home Member State shall provide EBA annually with information on the application of the derogation referred to in the first subparagraph.

For the purposes of the first subparagraph, a transaction shall be considered to take place in the home Member State when the payer or the payee are established in that Member State.

Article 58

Specific additional obligations for issuers of e-money tokens

1. Electronic money institutions issuing significant e-money tokens shall be subject to:
 - (a) the requirements referred to in Articles 36, 37, 38 and Article 45, (1) to (4) of this Regulation, instead of Article 7 of Directive 2009/110/EC;
 - (b) the requirements referred to in Article 35(2), (3) and (5) and Article 45(5) of this Regulation, instead of Article 5 of Directive 2009/110/EC.

By way of derogation from Article 36(9), the independent audit shall, in respect of issuers of significant e-money tokens, be mandated every six months as of the date of the decision to classify the e-money tokens as significant pursuant to Article 56 or 57, as applicable.

2. Competent authorities of the home Member States may require electronic money institutions issuing e-money tokens that are not significant to comply with any requirement referred to in paragraph 1 where necessary to address the risks that those provisions aim to address, such as liquidity risks, operational risks, or risks arising from non-compliance with requirements for management of reserve of assets.
3. Articles 22, 23 and 24(3) shall apply to e-money tokens denominated in a currency that is not an official currency of a Member State.

TITLE V
AUTHORISATION AND OPERATING CONDITIONS FOR
CRYPTO-ASSET SERVICE PROVIDERS

Chapter 1
Authorisation of crypto-asset service providers

Article 59

Authorisation

1. A person shall not provide crypto-asset services, within the Union, unless that person is:
 - (a) a legal person or other undertaking that has been authorised as crypto-asset service provider in accordance with Article 63; or
 - (b) a credit institution, central securities depository, investment firm, market operator, electronic money institution, UCITS management company, or an alternative investment fund manager that is allowed to provide crypto-asset services pursuant to Article 60.

2. Crypto-asset service providers authorised in accordance with Article 63 shall have a registered office in a Member State where they carry out at least part of their crypto-asset services. They shall have their place of effective management in the Union and at least one of the directors shall be resident in the Union.
3. For the purposes of paragraph 1, point (a), other undertakings that are not legal persons shall only provide crypto-asset services if their legal form ensures a level of protection for third parties' interests equivalent to that afforded by legal persons and if they are subject to equivalent prudential supervision appropriate to their legal form.
4. Crypto-asset service providers authorised in accordance with Article 63 shall at all times meet the conditions for their authorisation.
5. A person who is not a crypto-asset service provider shall not use a name, or a corporate name, or issue marketing communications or undertake any other process suggesting that it is a crypto-asset service provider or that is likely to create confusion in that respect.
6. Competent authorities that grant authorisations in accordance with Article 63 shall ensure that such authorisations specify the crypto-asset services that crypto-asset service providers are authorised to provide.

7. Crypto-asset service providers shall be allowed to provide crypto-asset services throughout the Union, either through the right of establishment, including through a branch, or through the freedom to provide services. Crypto-asset service providers that provide crypto-asset services on a cross-border basis shall not be required to have a physical presence in the territory of a host Member State.
8. Crypto-asset service providers seeking to add crypto-asset services to their authorisation as referred to in Article 63 shall request the competent authorities that granted their initial authorisation for an extension of their authorisation by complementing and updating the information referred to in Article 62. The request for extension shall be processed in accordance with Article 63.

Article 60

Provision of crypto-asset services by certain financial entities

1. A credit institution may provide crypto-asset services if it notifies the information referred to in paragraph 7 to the competent authority of its home Member State at least 40 working days before providing those services for the first time.

2. A central securities depository authorised under Regulation (EU) No 909/2014 of the European Parliament and of the Council¹ shall only provide custody and administration of crypto-assets on behalf of clients if it notifies the information referred to in paragraph 7 of this Article to the competent authority of the home Member State, at least 40 working days before providing that service for the first time.

For the purposes of the first subparagraph of this paragraph, providing custody and administration of crypto-assets on behalf of clients is deemed equivalent to providing, maintaining or operating securities accounts in relation to the settlement service referred to in Section B, point (3), of the Annex to Regulation (EU) No 909/2014.

3. An investment firm may provide crypto-asset services in the Union equivalent to the investment services and activities for which it is specifically authorised under Directive 2014/65/EU if it notifies the competent authority of the home Member State of the information referred to in paragraph 7 of this Article at least 40 working days before providing those services for the first time.

For the purposes of this paragraph:

- (a) providing custody and administration of crypto-assets on behalf of clients is deemed equivalent to the ancillary service referred to in Section B, point (1), of Annex I to Directive 2014/65/EU;

¹ 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 Directive 98/26/EC and 2014/65/EU and Regulation (EU) No 236/2012 (OJ L 257, 28.8.2014, p. 1).

- (b) the operation of a trading platform for crypto-assets is deemed equivalent to the operation of a multilateral trading facility and operation of an organised trading facility referred to in Section A, points (8) and (9), respectively, of Annex I to Directive 2014/65/EU;
- (c) the exchange of crypto-assets for funds and other crypto-assets is deemed equivalent to dealing on own account referred to in Section A, point (3), of Annex I to Directive 2014/65/EU;
- (d) the execution of orders for crypto-assets on behalf of clients is deemed equivalent to the execution of orders on behalf of clients referred to in Section A, point (2), of Annex I to Directive 2014/65/EU;
- (e) the placing of crypto-assets is deemed equivalent to the underwriting or placing of financial instruments on a firm commitment basis and placing of financial instruments without a firm commitment basis referred to in Section A, points (6) and (7), respectively, of Annex I to Directive 2014/65/EU;
- (f) the reception and transmission of orders for crypto-assets on behalf of clients is deemed equivalent to the reception and transmission of orders in relation to one or more financial instruments referred to in Section A, point (1), of Annex I to Directive 2014/65/EU;

- (g) providing advice on crypto-assets is deemed equivalent to investment advice referred to in Section A, point (5), of Annex I to Directive 2014/65/EU;
 - (h) providing portfolio management on crypto-assets is deemed equivalent to portfolio management referred to in Section A, point (4), of Annex I to Directive 2014/65/EU.
4. An electronic money institution authorised under Directive 2009/110/EC shall only provide custody and administration of crypto-assets on behalf of clients and transfer services for crypto-assets on behalf of clients with regard to the e-money tokens it issues if it notifies the competent authority of the home Member State of the information referred to in paragraph 7 of this Article at least 40 working days before providing those services for the first time.
5. A UCITS management company or an alternative investment fund manager may provide crypto-asset services equivalent to the management of portfolios of investment and non-core services for which it is authorised under Directive 2009/65/EC or Directive 2011/61/EU if it notifies the competent authority of the home Member State of the information referred to in paragraph 7 of this Article at least 40 working days before providing those services for the first time.

For the purposes of this paragraph:

- (a) the reception and transmission of orders for crypto-assets on behalf of clients is deemed equivalent to the reception and transmission of orders in relation to financial instruments referred in Article 6(4), point (b)(iii), of Directive 2011/61/EU;

- (b) providing advice on crypto-assets is deemed equivalent to investment advice referred to in Article 6(4), point (b)(i), of Directive 2011/61/EU and in Article 6(3), point (b)(i), of Directive 2009/65/EC;
 - (c) providing portfolio management on crypto-assets is deemed equivalent to the services referred to in Article 6(4), point (a), of Directive 2011/61/EU and in Article 6(3), point (a), of Directive 2009/65/EC.
6. A market operator authorised under Directive 2014/65/EU may operate a trading platform for crypto-assets if it notifies the competent authority of the home Member State of the information referred to in paragraph 7 of this Article at least 40 working days before providing those services for the first time.
7. For the purposes of paragraphs 1 to 6, the following information shall be notified:
- (a) a programme of operations setting out the types of crypto-asset services that the applicant crypto-asset service provider intends to provide, including where and how those services are to be marketed;
 - (b) a description of:
 - (i) the internal control mechanisms, policies and procedures to ensure compliance with the provisions of national law transposing Directive (EU) 2015/849;

- (ii) the risk assessment framework for the management of money laundering and terrorist financing risks; and
- (iii) the business continuity plan;
- (c) the technical documentation of the ICT systems and security arrangements, and a description thereof in non-technical language;
- (d) a description of the procedure for the segregation of clients' crypto-assets and funds;
- (e) a description of the custody and administration policy, where it is intended to provide custody and administration of crypto-assets on behalf of clients;
- (f) a description of the operating rules of the trading platform and of the procedures and system to detect market abuse, where it is intended to operate a trading platform for crypto-assets;
- (g) a description of the non-discriminatory commercial policy governing the relationship with clients as well as a description of the methodology for determining the price of the crypto-assets they propose to exchange for funds or other crypto-assets, where it is intended to exchange crypto-assets for funds or other crypto-assets;
- (h) a description of the execution policy, where it is intended to execute orders for crypto-assets on behalf of clients;

- (i) evidence that the natural persons giving advice on behalf of the applicant crypto-asset service provider or managing portfolios on behalf of the applicant crypto-asset service provider have the necessary knowledge and expertise to fulfil their obligations, where it is intended to provide advice on crypto-assets or provide portfolio management on crypto-assets;
- (j) whether the crypto-asset service relates to asset-referenced tokens, e-money tokens or other crypto-assets;
- (k) information on the manner in which such transfer services will be provided, where it is intended to provide transfer services for crypto-assets on behalf of clients.

8. A competent authority receiving a notification as referred to in paragraphs 1 to 6 shall, within 20 working days of receipt of such notification, assess whether all required information has been provided. Where the competent authority concludes that a notification is not complete, it shall immediately inform the notifying entity thereof and set a deadline by which that entity is required to provide the missing information.

The deadline for providing any missing information shall not exceed 20 working days from the date of the request. Until the expiry of that deadline, each period as set out in paragraphs 1 to 6 shall be suspended. Any further requests by the competent authority for completion or clarification of the information shall be at its discretion but shall not result in a suspension of any period set out in paragraphs 1 to 6.

The crypto-asset service provider shall not begin providing the crypto-asset services as long as the notification is incomplete.

9. The entities referred to in paragraphs 1 to 6 shall not be required to submit any information referred to in paragraph 7 that was previously submitted by them to the competent authority where such information would be identical. When submitting the information referred to in paragraph 7, the entities referred to in paragraphs 1 to 6 shall expressly state that any information that was submitted previously is still up-to-date.
10. Where the entities referred to in paragraphs 1 to 6 of this Article provide crypto-asset services, they shall not be subject to Articles 62, 63, 64, 67, 83 and 84.
11. The right to provide crypto-asset services referred to in paragraphs 1 to 6 of this Article shall be revoked upon the withdrawal of the relevant authorisation that enabled the respective entity to provide the crypto-asset services without being required to obtain an authorisation pursuant to Article 59.
12. Competent authorities shall communicate to ESMA the information specified in Article 109(5), after verifying the completeness of the information referred to in paragraph 7.

ESMA shall make such information available in the register referred to in Article 109 by the starting date of the intended provision of crypto-asset services.

13. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards to further specify the information referred to in paragraph 7.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

14. ESMA, in close cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, templates and procedures for the notification pursuant to paragraph 7.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

Article 61

Provision of crypto-asset services at the exclusive initiative of the client

1. Where a client established or situated in the Union initiates at its own exclusive initiative the provision of a crypto-asset service or activity by a third- country firm, the requirement for authorisation under Article 59 shall not apply to the provision of that crypto-asset service or activity by the third- country firm to that client, including a relationship specifically relating to the provision of that crypto-asset service or activity.

Without prejudice to intragroup relationships, where a third- country firm, including through an entity acting on its behalf or having close links with such third- country firm or any other person acting on behalf of such entity, solicits clients or prospective clients in the Union, regardless of the means of communication used for the solicitation, promotion or advertising in the Union, it shall not be deemed to be a service provided on the client's own exclusive initiative.

The second subparagraph shall apply notwithstanding any contractual clause or disclaimer purporting to state otherwise, including any clause or disclaimer that the provision of services by a third-country firm is deemed to be a service provided on the client's own exclusive initiative.

2. A client's own exclusive initiative as referred to in paragraph 1 shall not entitle a third-country firm to market new types of crypto-assets or crypto-asset services to that client.
3. ESMA shall by ... [18 months after the date of entry into force of this Regulation] issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 to specify the situations in which a third-country firm is deemed to solicit clients established or situated in the Union.

In order to foster convergence and promote consistent supervision in respect of the risk of abuse of this Article, ESMA shall also issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 on supervision practices to detect and prevent circumvention of this Regulation.

Article 62

Application for authorisation as a crypto-asset service provider

1. Legal persons or other undertakings that intend to provide crypto-asset services shall submit their application for an authorisation as a crypto-asset service provider to the competent authority of their home Member State.

2. The application referred to in paragraph 1 shall contain all of the following information:
- (a) the name, including the legal name and any other commercial name used, the legal entity identifier of the applicant crypto-asset service provider, the website operated by that provider, a contact e-mail address, a contact telephone number and its physical address;
 - (b) the legal form of the applicant crypto-asset service provider;
 - (c) the articles of association of the applicant crypto-asset service provider, where applicable;
 - (d) a programme of operations, setting out the types of crypto-asset services that the applicant crypto-asset service provider intends to provide, including where and how those services are to be marketed;
 - (e) proof that the applicant crypto-asset service provider meets the requirements for prudential safeguards set out in Article 67;
 - (f) a description of the applicant crypto-asset service provider's governance arrangements;
 - (g) proof that members of the management body of the applicant crypto-asset service provider are of sufficiently good repute and possess the appropriate knowledge, skills and experience to manage that provider;

- (h) the identity of any shareholders and members, whether direct or indirect, that have qualifying holdings in the applicant crypto-asset service provider and the amounts of those holdings, as well as proof that those persons are of sufficiently good repute;
- (i) a description of the applicant crypto-asset service provider's internal control mechanisms, policies and procedures to identify, assess and manage risks, including money laundering and terrorist financing risks, and business continuity plan;
- (j) the technical documentation of the ICT systems and security arrangements, and a description thereof in non-technical language;
- (k) a description of the procedure for the segregation of clients' crypto-assets and funds;
- (l) a description of the applicant crypto-asset service provider's complaints-handling procedures;
- (m) where the applicant crypto-asset service provider intends to provide custody and administration of crypto-assets on behalf of clients, a description of the custody and administration policy;
- (n) where the applicant crypto-asset service provider intends to operate a trading platform for crypto-assets, a description of the operating rules of the trading platform and of the procedure and system to detect market abuse;

- (o) where the applicant crypto-asset service provider intends to exchange crypto-assets for funds or other crypto-assets, a description of the commercial policy, which shall be non-discriminatory, governing the relationship with clients as well as a description of the methodology for determining the price of the crypto-assets that the applicant crypto-asset service provider proposes to exchange for funds or other crypto-assets;
- (p) where the applicant crypto-asset service provider intends to execute orders for crypto-assets on behalf of clients, a description of the execution policy;
- (q) where the applicant crypto-asset service provider intends to provide advice on crypto-assets or portfolio management of crypto-assets, proof that the natural persons giving advice on behalf of the applicant crypto-asset service provider or managing portfolios on behalf of the applicant crypto-asset service provider have the necessary knowledge and expertise to fulfil their obligations;
- (r) where the applicant crypto-asset service provider intends to provide transfer services for crypto-assets on behalf of clients, information on the manner in which such transfer services will be provided;
- (s) the type of crypto-asset to which the crypto-asset service relates.

3. For the purposes of paragraph 2, points (g) and (h), an applicant crypto-asset service provider shall provide proof of all of the following:
- (a) for all members of the management body of the applicant crypto-asset service provider, the absence of a criminal record in respect of convictions and the absence of penalties imposed under the applicable commercial law, insolvency law and financial services law, or in relation to anti-money laundering, and counter-terrorist financing, to fraud or to professional liability;
 - (b) that the members of the management body of the applicant crypto-asset service provider collectively possess the appropriate knowledge, skills and experience to manage the crypto-asset service provider and that those persons are required to commit sufficient time to perform their duties;
 - (c) for all shareholders and members, whether direct or indirect, that have qualifying holdings in the applicant crypto-asset service provider, the absence of a criminal record in respect of convictions or the absence of penalties imposed under the applicable commercial law, insolvency law and financial services law, or in relation to anti-money laundering and counter-terrorist financing, to fraud or to professional liability.

4. Competent authorities shall not require an applicant crypto-asset service provider to provide any information referred to in paragraphs 2 and 3 of this Article that they have already received under the respective authorisation procedures in accordance with Directive 2009/110/EC, 2014/65/EU or (EU) 2015/2366, or pursuant to national law applicable to crypto-asset services prior to ... [the date of entry into force of this Regulation], provided that such previously submitted information or documents are still up-to-date.
5. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards to further specify the information referred to in paragraphs 2 and 3.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

6. ESMA, in close cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, templates and procedures for the information to be included in the application for authorisation as a crypto-asset service provider.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

Article 63

Assessment of the application for authorisation and grant or refusal of authorisation

1. Competent authorities shall promptly, and in any event within five working days of receipt of an application under Article 62(1), acknowledge receipt thereof in writing to the applicant crypto-asset service provider.
2. Competent authorities shall, within 25 working days of receipt of an application under Article 62(1), assess whether that application is complete by checking that the information listed in Article 62(2) has been submitted.

Where the application is not complete, competent authorities shall set a deadline by which the applicant crypto-asset service provider is to provide any missing information.

3. Competent authorities may refuse to review applications where such applications remain incomplete after the expiry of the deadline set by them in accordance with paragraph 2, second subparagraph.
4. Once an application is complete, competent authorities shall promptly notify the applicant crypto-asset service provider thereof.
5. Before granting or refusing authorisation as a crypto-asset service provider, competent authorities shall consult the competent authorities of another Member State where the applicant crypto-asset service provider is in one of the following positions in relation to a credit institution, a central securities depository, an investment firm, a market operator, a UCITS management company, an alternative investment fund manager, a payment institution, an insurance undertaking, an electronic money institution or an institution for occupational retirement provision, authorised in that other Member State:
 - (a) it is its subsidiary;
 - (b) it is a subsidiary of the parent undertaking of that entity; or
 - (c) it is controlled by the same natural or legal persons who control that entity.

6. Before granting or refusing an authorisation as a crypto-asset service provider, competent authorities:
 - (a) may consult the competent authorities for anti-money laundering and counter-terrorist financing, and financial intelligence units, in order to verify that the applicant crypto-asset service provider has not been the subject of an investigation into conduct relating to money laundering or terrorist financing;
 - (b) shall ensure that the applicant crypto-asset service provider that operates establishments or relies on third parties established in high-risk third countries identified pursuant to Article 9 of Directive (EU) 2015/849 complies with the provisions of national law transposing Articles 26(2), 45(3) and 45(5) of that Directive;
 - (c) shall, where appropriate, ensure that the applicant crypto-asset service provider has put in place appropriate procedures to comply with the provisions of national law transposing Article 18a(1) and (3) of Directive (EU) 2015/849.
7. Where close links exist between the applicant crypto-asset service provider and other natural or legal persons, competent authorities shall grant authorisation only if those links do not prevent the effective exercise of their supervisory functions.

8. Competent authorities shall refuse authorisation if the laws, regulations or administrative provisions of a third country governing one or more natural or legal persons with which the applicant crypto-asset service provider has close links, or difficulties involved in their enforcement, prevent the effective exercise of their supervisory functions.
9. Competent authorities shall, within 40 working days from the date of receipt of a complete application, assess whether the applicant crypto-asset service provider complies with this Title and shall adopt a fully reasoned decision granting or refusing an authorisation as a crypto-asset service provider. Competent authorities shall notify the applicant of their decision within five working days of the date of that decision. That assessment shall take into account the nature, scale and complexity of the crypto-asset services that the applicant crypto-asset service provider intends to provide.
10. Competent authorities shall refuse authorisation as a crypto-asset service provider where there are objective and demonstrable grounds that:
 - (a) the management body of the applicant crypto-asset service provider poses a threat to its effective, sound and prudent management and business continuity, and to the adequate consideration of the interest of its clients and the integrity of the market, or exposes the applicant crypto-asset service provider to a serious risk of money laundering or terrorist financing;

- (b) the members of the management body of the applicant crypto-asset service provider do not meet the criteria set out in Article 68(1);
- (c) the shareholders or members, whether direct or indirect, that have qualifying holdings in the applicant crypto-asset service provider do not meet the criteria of sufficiently good repute set out in Article 68(2);
- (d) the applicant crypto-asset service provider fails to meet or is likely to fail to meet any of the requirements of this Title.

11. ESMA and EBA shall jointly issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 and Article 16 of Regulation (EU) No 1093/2010, respectively, on the assessment of the suitability of the members of the management body of the applicant crypto-asset service provider and of the shareholders or members, whether direct or indirect, that have qualifying holdings in the applicant crypto-asset service provider.

ESMA and EBA shall issue the guidelines referred to in the first subparagraph by ... [12 months after the date of entry into force of this Regulation].

12. Competent authorities may, during the assessment period provided for in paragraph 9, and no later than on the 20th working day of that period, request any further information that is necessary to complete the assessment. Such request shall be made in writing to the applicant crypto-asset service provider and shall specify the additional information needed.

The assessment period under paragraph 9 shall be suspended for the period between the date of request for missing information by the competent authorities and the receipt by them of a response thereto from the applicant crypto-asset service provider. The suspension shall not exceed 20 working days. Any further requests by the competent authorities for completion or clarification of the information shall be at their discretion but shall not result in a suspension of the assessment period under paragraph 9.

13. Competent authorities shall, within two working days of granting authorisation, communicate to ESMA the information specified in Article 109(5). Competent authorities shall also inform ESMA of any refusals of authorisations. ESMA shall make the information referred to in Article 109(5) available in the register referred to in that Article by the starting date of the provision of crypto-asset services.

Article 64

Withdrawal of authorisation of a crypto-asset service provider

1. Competent authorities shall withdraw the authorisation of a crypto-asset service provider if the crypto-asset service provider does any of the following:
 - (a) has not used its authorisation within 12 months of the date of the authorisation;
 - (b) has expressly renounced its authorisation;

- (c) has not provided crypto-asset services for nine consecutive months;
- (d) has obtained its authorisation by irregular means, such as by making false statements in its application for authorisation;
- (e) no longer meets the conditions under which the authorisation was granted and has not taken the remedial action requested by the competent authority within the specified timeframe;
- (f) fails to have in place effective systems, procedures and arrangements to detect and prevent money laundering and terrorist financing in accordance with Directive (EU) 2015/849;
- (g) has seriously infringed this Regulation, including the provisions relating to the protection of holders of crypto-assets or of clients of crypto-asset service providers, or market integrity.

2. Competent authorities may withdraw authorisation as a crypto-asset service provider in any of the following situations:

- (a) the crypto-asset service provider has infringed the provisions of national law transposing Directive (EU) 2015/849;

- (b) the crypto-asset service provider has lost its authorisation as a payment institution or its authorisation as an electronic money institution, and that crypto-asset service provider has failed to remedy the situation within 40 calendar days.
- 3. Where a competent authority withdraws an authorisation as a crypto-asset service provider, it shall notify ESMA and the single points of contact of the host Member States without undue delay. ESMA shall make such information available in the register referred to in Article 109.
- 4. Competent authorities may limit the withdrawal of authorisation to a particular crypto-asset service.
- 5. Before withdrawing an authorisation as a crypto-asset service provider, competent authorities shall consult the competent authority of another Member State where the crypto-asset service provider concerned is:
 - (a) a subsidiary of a crypto-asset service provider authorised in that other Member State;
 - (b) a subsidiary of the parent undertaking of a crypto-asset service provider authorised in that other Member State;
 - (c) controlled by the same natural or legal persons who control a crypto-asset service provider authorised in that other Member State.

6. Before withdrawing an authorisation as a crypto-asset service provider, competent authorities may consult the authority competent for supervising compliance of the crypto-asset service provider with the rules on anti-money laundering and counter-terrorist financing.
7. EBA, ESMA and any competent authority of a host Member State may at any time request that the competent authority of the home Member State examine whether the crypto-asset service provider still complies with the conditions under which the authorisation was granted, when there are grounds to suspect it may no longer be the case.
8. Crypto-asset service providers shall establish, implement and maintain adequate procedures ensuring the timely and orderly transfer of their clients' crypto-assets and funds to another crypto-asset service provider when an authorisation is withdrawn.

Article 65

Cross-border provision of crypto-asset services

1. A crypto-asset service provider that intends to provide crypto-asset services in more than one Member State shall submit the following information to the competent authority of the home Member State:
 - (a) a list of the Member States in which the crypto-asset service provider intends to provide crypto-asset services;

- (b) the crypto-asset services that the crypto-asset service provider intends to provide on a cross-border basis;
 - (c) the starting date of the intended provision of the crypto-asset services;
 - (d) a list of all other activities provided by the crypto-asset service provider not covered by this Regulation.
2. The competent authority of the home Member State shall, within 10 working days of receipt of the information referred to in paragraph 1, communicate that information to the single points of contact of the host Member States, to ESMA and to EBA.
 3. The competent authority of the Member State that granted authorisation shall inform the crypto-asset service provider concerned of the communication referred to in paragraph 2 without delay.
 4. The crypto-asset service provider may begin to provide crypto-asset services in a Member State other than its home Member State from the date of receipt of the communication referred to in paragraph 3 or at the latest from the 15th calendar day after having submitted the information referred to in paragraph 1.

Chapter 2

Obligations for all crypto-asset service providers

Article 66

Obligation to act honestly, fairly and professionally in the best interests of clients

1. Crypto-asset service providers shall act honestly, fairly and professionally in accordance with the best interests of their clients and prospective clients.
2. Crypto-asset service providers shall provide their clients with information that is fair, clear and not misleading, including in marketing communications, which shall be identified as such. Crypto-asset service providers shall not, deliberately or negligently, mislead a client in relation to the real or perceived advantages of any crypto-assets.
3. Crypto-asset service providers shall warn clients of the risks associated with transactions in crypto-assets.

When operating a trading platform for crypto-assets, exchanging crypto-assets for funds or other crypto-assets, providing advice on crypto-assets or providing portfolio management on crypto-assets, crypto-asset service providers shall provide their clients with hyperlinks to any crypto-asset white papers for the crypto-assets in relation to which they are providing those services.

4. Crypto-asset service providers shall make their policies on pricing, costs and fees publicly available, in a prominent place on their website.
5. Crypto-asset service providers shall make publicly available, in a prominent place on their website, information related to the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism used to issue each crypto-asset in relation to which they provide services. That information may be obtained from the crypto-asset white papers.
6. ESMA, in cooperation with EBA, shall develop draft regulatory technical standards on the content, methodologies and presentation of information referred to in paragraph 5 in respect of the sustainability indicators in relation to adverse impacts on the climate and other environment- related adverse impacts.

When developing the draft regulatory technical standards referred to in the first subparagraph, ESMA shall consider the various types of consensus mechanisms used to validate crypto-asset transactions, their incentive structures and the use of energy, renewable energy and natural resources, the production of waste and greenhouse gas emissions. ESMA shall update the regulatory technical standards in the light of regulatory and technological developments.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 67

Prudential requirements

1. Crypto-asset service providers shall, at all times, have in place prudential safeguards equal to an amount of at least the higher of the following:
 - (a) the amount of permanent minimum capital requirements indicated in Annex IV, depending on the type of the crypto-asset services provided;
 - (b) one quarter of the fixed overheads of the preceding year, reviewed annually.
2. Crypto-asset service providers that have not been in business for one year from the date on which they began providing services shall use, for the calculation referred to in paragraph 1, point (b), the projected fixed overheads included in their projections for the first 12 months of service provision, as submitted with their application for authorisation.

3. For the purposes of paragraph 1, point (b), crypto-asset service providers shall calculate their fixed overheads for the preceding year, using figures resulting from the applicable accounting framework, by subtracting the following items from the total expenses after distribution of profits to shareholders or members in their most recently audited annual financial statements or, where audited statements are not available, in annual financial statements validated by national supervisors:
- (a) staff bonuses and other remuneration, to the extent that those bonuses and that remuneration depend on a net profit of the crypto-asset service providers in the relevant year;
 - (b) employees', directors' and partners' shares in profits;
 - (c) other appropriations of profits and other variable remuneration, to the extent that they are fully discretionary;
 - (d) non-recurring expenses from non-ordinary activities.

4. The prudential safeguards referred to in paragraph 1 shall take any of the following forms or a combination thereof:
- (a) own funds, consisting of Common Equity Tier 1 items and instruments referred to in Articles 26 to 30 of Regulation (EU) No 575/2013 after the deductions in full, pursuant to Article 36 of that Regulation, without the application of threshold exemptions pursuant to Articles 46 and 48 of that Regulation;
 - (b) an insurance policy covering the territories of the Union where crypto-asset services are provided or a comparable guarantee.
5. The insurance policy referred to in paragraph 4, point (b), shall be disclosed to the public on the crypto-asset service provider's website and shall have at least the following characteristics:
- (a) it has an initial term of not less than one year;
 - (b) the notice period for its cancellation is at least 90 days;
 - (c) it is taken out from an undertaking authorised to provide insurance, in accordance with Union or national law;
 - (d) it is provided by a third-party entity.

6. The insurance policy referred to in paragraph 4, point (b), shall include coverage against the risk of all of the following:
- (a) loss of documents;
 - (b) misrepresentations or misleading statements made;
 - (c) acts, errors or omissions resulting in a breach of:
 - (i) legal and regulatory obligations;
 - (ii) the obligation to act honestly, fairly and professionally towards clients;
 - (iii) obligations of confidentiality;
 - (d) failure to establish, implement and maintain appropriate procedures to prevent conflicts of interest;
 - (e) losses arising from business disruption or system failures;
 - (f) where applicable to the business model, gross negligence in the safeguarding of clients' crypto-assets and funds;
 - (g) liability of the crypto-asset service providers towards clients pursuant to Article 75(8).

Article 68

Governance arrangements

1. Members of the management body of crypto-asset service providers shall be of sufficiently good repute and possess the appropriate knowledge, skills and experience, both individually and collectively, to perform their duties. In particular, members of the management body of crypto-asset service providers shall not have been convicted of offences relating to money laundering or terrorist financing or of any other offences that would affect their good repute. They shall also demonstrate that they are capable of committing sufficient time to effectively perform their duties.
2. Shareholders and members, whether direct or indirect, that have qualifying holdings in crypto-asset service providers shall be of sufficiently good repute and, in particular, shall not have been convicted of offences relating to money laundering or terrorist financing or of any other offences that would affect their good repute.
3. Where the influence exercised by the shareholders or members, whether direct or indirect, that have qualifying holdings in a crypto-asset service provider is likely to be prejudicial to the sound and prudent management of that crypto-asset service provider, competent authorities shall take appropriate measures to address those risks.

Such measures may include applications for judicial orders or the imposition of penalties against directors and those responsible for management, or the suspension of the exercise of the voting rights attaching to the shares held by the shareholders or members, whether direct or indirect, that have the qualifying holdings.

4. Crypto-asset service providers shall adopt policies and procedures that are sufficiently effective to ensure compliance with this Regulation.
5. Crypto-asset service providers shall employ personnel with the knowledge, skills and expertise necessary for the discharge of the responsibilities allocated to them, taking into account the scale, nature and range of crypto-asset services provided.
6. The management body of crypto-asset service providers shall assess and periodically review the effectiveness of the policy arrangements and procedures put in place to comply with Chapters 2 and 3 of this Title and take appropriate measures to address any deficiencies in that respect.
7. Crypto-asset service providers shall take all reasonable steps to ensure continuity and regularity in the performance of their crypto-asset services. To that end, crypto-asset service providers shall employ appropriate and proportionate resources and procedures, including resilient and secure ICT systems as required by Regulation (EU) 2022/2554.

Crypto-asset service providers shall establish a business continuity policy, which shall include ICT business continuity plans as well as ICT response and recovery plans set up pursuant to Articles 11 and 12 of Regulation (EU) 2022/2554 that aim to ensure, in the case of an interruption to their ICT systems and procedures, the preservation of essential data and functions and the maintenance of crypto-asset services or, where that is not possible, the timely recovery of such data and functions and the timely resumption of crypto-asset services.

8. Crypto-asset service providers shall have in place mechanisms, systems and procedures as required by Regulation (EU) 2022/2554, as well as effective procedures and arrangements for risk assessment, to comply with the provisions of national law transposing Directive (EU) 2015/849. They shall monitor and, on a regular basis, evaluate the adequacy and effectiveness of those mechanisms, systems and procedures, taking into account the scale, the nature and range of crypto-asset services provided, and shall take appropriate measures to address any deficiencies in that respect.

Crypto-asset service providers shall have systems and procedures to safeguard the availability, authenticity, integrity and confidentiality of data pursuant to Regulation (EU) 2022/2554.

9. Crypto-asset service providers shall arrange for records to be kept of all crypto-asset services, activities, orders, and transactions undertaken by them. Those records shall be sufficient to enable competent authorities to fulfil their supervisory tasks and to take enforcement measures, and in particular to ascertain whether crypto-asset service providers have complied with all obligations including those with respect to clients or prospective clients and to the integrity of the market.

The records kept pursuant to the first subparagraph shall be provided to clients upon request and shall be kept for a period of five years and, where requested by the competent authority before five years have elapsed, for a period of up to seven years.

10. ESMA shall develop draft regulatory technical standards to further specify:
- (a) the measures ensuring continuity and regularity in the performance of the crypto-asset services referred to in paragraph 7;
 - (b) the records to be kept of all crypto-asset services, activities, orders and transactions undertaken referred to in paragraph 9.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 69

Information to competent authorities

Crypto-asset service providers shall notify their competent authority without delay of any changes to their management body, prior to the exercise of activities by any new members, and shall provide their competent authority with all of the necessary information to assess compliance with Article 68.

Article 70

Safekeeping of clients' crypto-assets and funds

1. Crypto-asset service providers that hold crypto-assets belonging to clients or the means of access to such crypto-assets shall make adequate arrangements to safeguard the ownership rights of clients, especially in the event of the crypto-asset service provider's insolvency, and to prevent the use of clients' crypto-assets for their own account.

2. Where their business models or the crypto-asset services require holding clients' funds other than e-money tokens, crypto-asset service providers shall have adequate arrangements in place to safeguard the ownership rights of clients and prevent the use of clients' funds for their own account.
3. Crypto-asset service providers shall, by the end of the business day following the day on which clients' funds other than e-money tokens were received, place those funds with a credit institution or a central bank.

Crypto-asset service providers shall take all necessary steps to ensure that clients' funds other than e-money tokens held with a credit institution or a central bank are held in an account separately identifiable from any accounts used to hold funds belonging to the crypto-asset service providers.

4. Crypto-asset service providers may themselves, or through a third party, provide payment services related to the crypto-asset service they offer provided that the crypto-asset service provider itself, or the third party, is authorised to provide those services under Directive (EU) 2015/2366.

Where payment services are provided, crypto-asset service providers shall inform their clients of all of the following:

- (a) the nature and terms and conditions of those services, including references to the applicable national law and to the rights of clients;

- (b) whether those services are provided by them directly or by a third party.
5. Paragraphs 2 and 3 of this Article shall not apply to crypto-asset service providers that are electronic money institutions, payment institutions or credit institutions.

Article 71

Complaints-handling procedures

1. Crypto-asset service providers shall establish and maintain effective and transparent procedures for the prompt, fair and consistent handling of complaints received from clients and shall publish descriptions of those procedures.
2. Clients shall be able to file complaints free of charge with crypto-asset service providers.
3. Crypto-asset service providers shall inform clients of the possibility of filing a complaint. Crypto-asset service providers shall make available to clients a template for filing complaints and shall keep a record of all complaints received and any measures taken in response thereto.
4. Crypto-asset service providers shall investigate all complaints in a timely and fair manner and communicate the outcome of such investigations to their clients within a reasonable period.

5. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards to further specify the requirements, templates and procedures for handling complaints.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 72

Identification, prevention, management and disclosure of conflicts of interest

1. Crypto-asset service providers shall implement and maintain effective policies and procedures, taking into account the scale, the nature and range of crypto-asset services provided, to identify, prevent, manage and disclose conflicts of interest between:
 - (a) themselves and:
 - (i) their shareholders or members;
 - (ii) any person directly or indirectly linked to the crypto-asset service providers or their shareholders or members by control;

(iii) members of their management body;

(iv) their employees; or

(v) their clients; or

(b) two or more clients whose mutual interests conflict.

2. Crypto-asset service providers shall, in a prominent place on their website, disclose to their clients and prospective clients the general nature and sources of conflicts of interest referred to in paragraph 1 and the steps taken to mitigate them.
3. The disclosure referred to in paragraph 2 shall be made in an electronic format and shall include sufficient detail, taking into account the nature of each client, in order to enable each client to take an informed decision about the crypto-asset service in the context of which the conflicts of interest arise.
4. Crypto-asset service providers shall assess and, at least annually, review their policy on conflicts of interest and take all appropriate measures to address any deficiencies in that respect.

5. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards to further specify:
- (a) the requirements for the policies and procedures referred to in paragraph 1, taking into account the scale, the nature and the range of crypto-asset services provided;
 - (b) the details and methodology for the content of the disclosure referred to in paragraph 2.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 73
Outsourcing

1. Crypto-asset service providers that outsource services or activities to third parties for the performance of operational functions shall take all reasonable steps to avoid additional operational risk. They shall remain fully responsible for discharging all of their obligations pursuant to this Title and shall ensure at all times that the following conditions are met:
 - (a) outsourcing does not result in the delegation of the responsibility of the crypto-asset service providers;
 - (b) outsourcing does not alter the relationship between the crypto-asset service providers and their clients, nor the obligations of the crypto-asset service providers towards their clients;
 - (c) outsourcing does not alter the conditions for the authorisation of the crypto-asset service providers;
 - (d) third parties involved in the outsourcing cooperate with the competent authority of the crypto-asset service providers' home Member State and the outsourcing does not prevent the exercise of the supervisory functions of competent authorities, including on-site access to acquire any relevant information needed to fulfil those functions;

- (e) crypto-asset service providers retain the expertise and resources necessary for evaluating the quality of the services provided, for supervising the outsourced services effectively and for managing the risks associated with the outsourcing on an ongoing basis;
- (f) crypto-asset service providers have direct access to the relevant information of the outsourced services;
- (g) crypto-asset service providers ensure that third parties involved in the outsourcing meet the data protection standards of the Union.

For the purposes of point (g) of the first subparagraph, crypto-asset service providers are responsible for ensuring that the data protection standards are set out in the written agreements referred to in paragraph 3.

2. Crypto-asset service providers shall have a policy on their outsourcing, including on contingency plans and exit strategies, taking into account the scale, the nature and the range of crypto-asset services provided.
3. Crypto-asset service providers shall define in a written agreement their rights and obligations and those of the third parties to which they are outsourcing services or activities. Outsourcing agreements shall give crypto-asset service providers the right to terminate those agreements.

4. Crypto-asset service providers and third parties shall, upon request, make available to the competent authorities and other relevant authorities all information necessary to enable those authorities to assess compliance of the outsourced activities with the requirements of this Title.

Article 74

Orderly wind-down of crypto-asset service providers

Crypto-asset service providers that provide the services referred to in Articles 75 to 79 shall have in place a plan that is appropriate to support an orderly wind-down of their activities under applicable national law, including the continuity or recovery of any critical activities performed by those service providers. That plan shall demonstrate the ability of crypto-asset service providers to carry out an orderly wind-down without causing undue economic harm to their clients.

Chapter 3

Obligations in respect of specific crypto-asset services

Article 75

Providing custody and administration of crypto-assets on behalf of clients

1. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall conclude an agreement with their clients to specify their duties and their responsibilities. Such an agreement shall include at least the following:
 - (a) the identity of the parties to the agreement;
 - (b) the nature of the crypto-asset service provided and a description of that service;
 - (c) the custody policy;
 - (d) the means of communication between the crypto-asset service provider and the client, including the client's authentication system;
 - (e) a description of the security systems used by the crypto-asset service provider;

(f) the fees, costs and charges applied by the crypto-asset service provider;

(g) the applicable law.

2. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall keep a register of positions, opened in the name of each client, corresponding to each client's rights to the crypto-assets. Where relevant, crypto-asset service providers shall record as soon as possible in that register any movements following instructions from their clients. In such cases, their internal procedures shall ensure that any movement affecting the registration of the crypto-assets is evidenced by a transaction regularly registered in the client's register of positions.
3. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall establish a custody policy with internal rules and procedures to ensure the safekeeping or the control of such crypto-assets, or the means of access to the crypto-assets.

The custody policy referred to in the first subparagraph shall minimise the risk of a loss of clients' crypto-assets or the rights related to those crypto-assets or the means of access to the crypto-assets due to fraud, cyber threats or negligence.

A summary of the custody policy shall be made available to clients at their request in an electronic format.

4. Where applicable, crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall facilitate the exercise of the rights attached to the crypto-assets. Any event likely to create or modify the rights of a client shall immediately be recorded in the client's register of positions.

Where there are changes to the underlying distributed ledger technology or any other event likely to create or modify a client's rights, the client shall be entitled to any crypto-assets or any rights newly created on the basis and to the extent of the client's positions at the time of the occurrence of that change or event, except when a valid agreement signed with the crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients pursuant to paragraph 1 prior to that change or event expressly provides otherwise.

5. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall provide their clients, at least once every three months and at the request of the client concerned, with a statement of position of the crypto-assets recorded in the name of those clients. That statement of position shall be made in an electronic format. The statement of position shall identify the crypto-assets concerned, their balance, their value and the transfer of crypto-assets made during the period concerned.

Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall provide their clients as soon as possible with any information about operations on crypto-assets that require a response from those clients.

6. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall ensure that necessary procedures are in place to return crypto-assets held on behalf of their clients, or the means of access, as soon as possible to those clients.
7. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall segregate holdings of crypto-assets on behalf of their clients from their own holdings and ensure that the means of access to crypto-assets of their clients is clearly identified as such. They shall ensure that, on the distributed ledger, their clients' crypto-assets are held separately from their own crypto-assets.

The crypto-assets held in custody shall be legally segregated from the crypto-asset service provider's estate in the interest of the clients of the crypto-asset service provider in accordance with applicable law, so that creditors of the crypto-asset service provider have no recourse to crypto-assets held in custody by the crypto-asset service provider, in particular in the event of insolvency.

Crypto-asset service provider shall ensure that the crypto-assets held in custody are operationally segregated from the crypto-asset service provider's estate.

8. Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients shall be liable to their clients for the loss of any crypto-assets or of the means of access to the crypto-assets as a result of an incident that is attributable to them. The liability of the crypto-asset service provider shall be capped at the market value of the crypto-asset that was lost, at the time the loss occurred.

Incidents not attributable to the crypto-asset service provider include any event in respect of which the crypto-asset service provider demonstrates that it occurred independently of the provision of the relevant service, or independently of the operations of the crypto-asset service provider, such as a problem inherent in the operation of the distributed ledger that the crypto-asset service provider does not control.

9. If crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients make use of other crypto-asset service providers of that service, they shall only make use of crypto-asset service providers authorised in accordance with Article 59.

Crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients and that make use of other crypto-asset service providers of that service shall inform their clients thereof.

Article 76

Operation of a trading platform for crypto-assets

1. Crypto-asset service providers operating a trading platform for crypto-assets shall lay down, maintain and implement clear and transparent operating rules for the trading platform. Those operating rules shall at least:
 - (a) set the approval processes, including customer due diligence requirements commensurate to the money laundering or terrorist financing risk presented by the applicant in accordance with Directive (EU) 2015/849, that are applied before admitting crypto-assets to the trading platform;
 - (b) define exclusion categories, if any, of the types of crypto-assets that are not admitted to trading;
 - (c) set out the policies, procedures and the level of fees, if any, for the admission to trading;
 - (d) set objective, non-discriminatory rules and proportionate criteria for participation in the trading activities, which promote fair and open access to the trading platform for clients willing to trade;
 - (e) set non-discretionary rules and procedures to ensure fair and orderly trading and objective criteria for the efficient execution of orders;

- (f) set conditions for crypto-assets to remain accessible for trading, including liquidity thresholds and periodic disclosure requirements;
- (g) set conditions under which trading of crypto-assets can be suspended;
- (h) set procedures to ensure efficient settlement of both crypto-assets and funds.

For the purposes of point (a) of the first subparagraph, the operating rules shall clearly state that a crypto-asset is not to be admitted to trading where no corresponding crypto-asset white paper has been published in the cases required by this Regulation.

2. Before admitting a crypto-asset to trading, crypto-asset service providers operating a trading platform for crypto-assets shall ensure that the crypto-asset complies with the operating rules of the trading platform and shall assess the suitability of the crypto-asset concerned. When assessing the suitability of a crypto-asset, the crypto-asset service providers operating a trading platform shall evaluate, in particular, the reliability of the technical solutions used and the potential association to illicit or fraudulent activities, taking into account the experience, track record and reputation of the issuer of those crypto-assets and its development team. The crypto-asset service providers operating a trading platform shall also assess the suitability of the crypto-assets other than asset-referenced tokens or e-money tokens referred to in Article 4(3), first subparagraph, points (a) to (d).

3. The operating rules of the trading platform for crypto-assets shall prevent the admission to trading of crypto-assets that have an inbuilt anonymisation function unless the holders of those crypto-assets and their transaction history can be identified by the crypto-asset service providers operating a trading platform for crypto-assets.

4. The operating rules referred to in paragraph 1 shall be drawn up in an official language of the home Member State, or in a language customary in the sphere of international finance.

If the operation of a trading platform for crypto-assets is provided in another Member State, the operating rules referred to in paragraph 1 shall be drawn up in an official language of the host Member State, or in a language customary in the sphere of international finance.

5. Crypto-asset service providers operating a trading platform for crypto-assets shall not deal on own account on the trading platform for crypto-assets they operate, including where they provide the exchange of crypto-assets for funds or other crypto-assets.

6. Crypto-asset service providers operating a trading platform for crypto-assets shall only be allowed to engage in matched principal trading where the client has consented to that process. Crypto-asset service providers shall provide the competent authority with information explaining their use of matched principal trading. The competent authority shall monitor the engagement of crypto-asset service providers in matched principal trading, and ensure that their engagement in matched principal trading continues to fall within the definition of such trading and does not give rise to conflicts of interest between the crypto-asset service providers and their clients.

7. Crypto-asset service providers operating a trading platform for crypto-assets shall have in place effective systems, procedures and arrangements to ensure that their trading systems:
 - (a) are resilient;
 - (b) have sufficient capacity to deal with peak order and message volumes;
 - (c) are able to ensure orderly trading under conditions of severe market stress;
 - (d) are able to reject orders that exceed pre-determined volume and price thresholds or are clearly erroneous;
 - (e) are fully tested to ensure that the conditions under points (a) to (d) are met;

- (f) are subject to effective business continuity arrangements to ensure the continuity of their services if there is any failure of the trading system;
 - (g) are able to prevent or detect market abuse;
 - (h) are sufficiently robust to prevent their abuse for the purposes of money laundering or terrorist financing.
8. Crypto-asset service providers operating a trading platform for crypto-assets shall inform their competent authority when they identify cases of market abuse or attempted market abuse occurring on or through their trading systems.
9. Crypto-asset service providers operating a trading platform for crypto-assets shall make public any bid and ask prices and the depth of trading interests at those prices which are advertised for crypto-assets through their trading platforms. The crypto-asset service providers concerned shall make that information available to the public on a continuous basis during trading hours.
10. Crypto-asset service providers operating a trading platform for crypto-assets shall make public the price, volume and time of the transactions executed in respect of crypto-assets traded on their trading platforms. They shall make those details for all such transactions public as close to real-time as is technically possible.

11. Crypto-asset service providers operating a trading platform for crypto-assets shall make the information published in accordance with paragraphs 9 and 10 available to the public on a reasonable commercial basis and ensure non-discriminatory access to that information. That information shall be made available free of charge 15 minutes after publication in a machine-readable format and it shall remain published for at least two years.
12. Crypto-asset service providers operating a trading platform for crypto-assets shall initiate the final settlement of a crypto-asset transaction on the distributed ledger within 24 hours of the transaction being executed on the trading platform or, in the case of transactions settled outside the distributed ledger, by the closing of the day at the latest.
13. Crypto-asset service providers operating a trading platform for crypto-assets shall ensure that their fee structures are transparent, fair and non-discriminatory and that they do not create incentives to place, modify or cancel orders or to execute transactions in a way that contributes to disorderly trading conditions or market abuse as referred to in Title VI.
14. Crypto-asset service providers operating a trading platform for crypto-assets shall maintain resources and have back-up facilities in place to enable them to report to their competent authority at all times.

15. Crypto-asset service providers operating a trading platform shall keep at the disposal of the competent authority, for at least five years, the relevant data relating to all orders in crypto-assets that are advertised through their systems, or give the competent authority access to the order book so that the competent authority is able to monitor the trading activity. That relevant data shall contain the characteristics of the order, including those that link an order with the executed transactions that stem from that order.
16. ESMA shall develop draft regulatory technical standards to further specify:
 - (a) the manner in which transparency data, including the level of disaggregation of the data to be made available to the public as referred to in paragraphs 1, 9 and 10, is to be presented;
 - (b) the content and format of order book records to be maintained as specified in paragraph 15.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 77

Exchange of crypto-assets for funds or other crypto-assets

1. Crypto-asset service providers exchanging crypto-assets for funds or other crypto-assets shall establish a non-discriminatory commercial policy that indicates, in particular, the type of clients they agree to transact with and the conditions that shall be met by such clients.
2. Crypto-asset service providers exchanging crypto-assets for funds or other crypto-assets shall publish a firm price of the crypto-assets or a method for determining the price of the crypto-assets that they propose to exchange for funds or other crypto-assets, and any applicable limit determined by that crypto-asset service provider on the amount to be exchanged.
3. Crypto-asset service providers exchanging crypto-assets for funds or other crypto-assets shall execute client orders at the prices displayed at the time when the order for exchange is final. Crypto-asset service providers shall inform their clients of the conditions for their order to be deemed final.
4. Crypto-asset service providers exchanging crypto-assets for funds or other crypto-assets shall publish information about the transactions concluded by them, such as transaction volumes and prices.

Article 78

Execution of orders for crypto-assets on behalf of clients

1. Crypto-asset service providers executing orders for crypto-assets on behalf of clients shall take all necessary steps to obtain, while executing orders, the best possible result for their clients taking into account factors of price, costs, speed, likelihood of execution and settlement, size, nature, conditions of custody of the crypto-assets or any other consideration relevant to the execution of the order.

Notwithstanding the first subparagraph, crypto-asset service providers executing orders for crypto-assets on behalf of clients shall not be required to take the necessary steps as referred to in the first subparagraph in cases where they execute orders for crypto-assets following specific instructions given by its clients.

2. To ensure compliance with paragraph 1, crypto-asset service providers executing orders for crypto-assets on behalf of clients shall establish and implement effective execution arrangements. In particular, they shall establish and implement an order execution policy to allow them to comply with paragraph 1. The order execution policy shall, amongst others, provide for the prompt, fair and expeditious execution of client orders and prevent the misuse by the crypto-asset service providers' employees of any information relating to client orders.

3. Crypto-asset service providers executing orders for crypto-assets on behalf of clients shall provide appropriate and clear information to their clients on their order execution policy referred to in paragraph 2 and any significant change thereto. That information shall explain clearly, in sufficient detail and in a way that can be easily understood by clients, how client orders are to be executed by crypto-asset service providers. Crypto-asset service providers shall obtain prior consent from each client regarding the order execution policy.
4. Crypto-asset service providers executing orders for crypto-assets on behalf of clients shall be able to demonstrate to their clients, at their request, that they have executed their orders in accordance with their order execution policy and shall be able to demonstrate to the competent authority, at the latter's request, their compliance with this Article.
5. Where the order execution policy provides for the possibility that client orders might be executed outside a trading platform, crypto-asset service providers executing orders for crypto-assets on behalf of clients shall inform their clients about that possibility and shall obtain the prior express consent of their clients before proceeding to execute their orders outside a trading platform, either in the form of a general agreement or with respect to individual transactions.

6. Crypto-asset service providers executing orders for crypto-assets on behalf of clients shall monitor the effectiveness of their order execution arrangements and order execution policy in order to identify and, where appropriate, correct any deficiencies in that respect. In particular, they shall assess, on a regular basis, whether the execution venues included in the order execution policy provide for the best possible result for clients or whether they need to make changes to their order execution arrangements. Crypto-asset service providers executing orders for crypto-assets on behalf of clients shall notify clients with whom they have an ongoing client relationship of any material changes to their order execution arrangements or order execution policy.

Article 79

Placing of crypto-assets

1. Crypto-asset service providers placing crypto-assets shall communicate the following information to the offeror, to the person seeking admission to trading, or to any third party acting on their behalf, before entering into an agreement with them:
 - (a) the type of placement under consideration, including whether a minimum amount of purchase is guaranteed or not;
 - (b) an indication of the amount of transaction fees associated with the proposed placing;

- (c) the likely timing, process and price for the proposed operation;
- (d) information about the targeted purchasers.

Crypto-asset service providers placing crypto-assets shall, before placing those crypto-assets, obtain the agreement of the issuers of those crypto-assets or any third party acting on their behalf as regards the information listed in the first subparagraph.

2. Crypto-asset service providers' rules on conflicts of interest referred to in Article 72(1) shall have specific and adequate procedures in place to identify, prevent, manage and disclose any conflicts of interest arising from the following situations:

- (a) crypto-asset service providers place the crypto-assets with their own clients;
- (b) the proposed price for placing of crypto-assets has been overestimated or underestimated;
- (c) incentives, including non-monetary incentives, are paid or granted by the offeror to crypto-asset service providers.

Article 80

Reception and transmission of orders for crypto-assets on behalf of clients

1. Crypto-asset service providers receiving and transmitting orders for crypto-assets on behalf of clients shall establish and implement procedures and arrangements that provide for the prompt and proper transmission of client orders for execution on a trading platform for crypto-assets or to another crypto-asset service provider.
2. Crypto-asset service providers receiving and transmitting orders for crypto-assets on behalf of clients shall not receive any remuneration, discount or non-monetary benefit in return for routing orders received from clients to a particular trading platform for crypto-assets or to another crypto-asset service provider.
3. Crypto-asset service providers receiving and transmitting orders for crypto-assets on behalf of clients shall not misuse information relating to pending client orders, and shall take all reasonable steps to prevent the misuse of such information by any of their employees.

Article 81

Providing advice on crypto-assets and providing portfolio management of crypto-assets

1. Crypto-asset service providers providing advice on crypto-assets or providing portfolio management of crypto-assets shall assess whether the crypto-asset services or crypto-assets are suitable for their clients or prospective clients, taking into consideration their knowledge and experience in investing in crypto-assets, their investment objectives, including risk tolerance, and their financial situation including their ability to bear losses.
2. Crypto-asset service providers providing advice on crypto-assets shall, in good time before providing advice on crypto-assets, inform prospective clients whether the advice is:
 - (a) provided on an independent basis;
 - (b) based on a broad or on a more restricted analysis of different crypto-assets, including whether the advice is limited to crypto-assets issued or offered by entities having close links with the crypto-asset service provider or any other legal or economic relationships, such as contractual relationships, that risk impairing the independence of the advice provided.

3. Where a crypto-asset service provider providing advice on crypto-assets informs the prospective client that advice is provided on an independent basis, it shall:
- (a) assess a sufficient range of crypto-assets available on the market which must be sufficiently diverse to ensure that the client's investment objectives can be suitably met and which must not be limited to crypto-assets issued or provided by:
 - (i) that same crypto-asset service provider;
 - (ii) entities having close links with that same crypto-asset service provider; or
 - (iii) other entities with which that same crypto-asset service provider has such close legal or economic relationships, such as contractual relationships, as to pose a risk of impairing the independent basis of the advice provided;
 - (b) not accept and retain fees, commissions or any monetary or non-monetary benefits paid or provided by any third party or a person acting on behalf of a third party in relation to the provision of the service to clients.

Notwithstanding point (b) of the first subparagraph, minor non-monetary benefits that are capable of enhancing the quality of crypto-asset services provided to a client and that are of such a scale and nature that they do not impair compliance with a crypto-asset service provider's obligation to act in the best interests of its client shall be permitted in cases where they are clearly disclosed to the client.

4. Crypto-asset service providers providing advice on crypto-assets shall also provide prospective clients with information on all costs and related charges, including the cost of advice, where applicable, the cost of crypto-assets recommended or marketed to the client and how the client is permitted to pay for the crypto-assets, also encompassing any third-party payments.
5. Crypto-asset service providers providing portfolio management of crypto-assets shall not accept and retain fees, commissions or any monetary or non-monetary benefits paid or provided by an issuer, offeror, person seeking admission to trading, or any third party, or a person acting on behalf of a third party, in relation to the provision of portfolio management of crypto-assets to their clients.
6. Where a crypto-asset service provider informs a prospective client that its advice is provided on a non-independent basis, that provider may receive inducements subject to the conditions that the payment or benefit:
 - (a) is designed to enhance the quality of the relevant service to the client; and
 - (b) does not impair compliance with the crypto-asset service provider's obligation to act honestly, fairly and professionally in accordance with the best interests of its clients.

The existence, nature and amount of the payment or benefit referred to in paragraph 4, or, where the amount cannot be ascertained, the method of calculating that amount, shall be clearly disclosed to the client, in a manner that is comprehensive, accurate and understandable, prior to the provision of the relevant crypto-asset service.

7. Crypto-asset service providers providing advice on crypto-assets shall ensure that natural persons giving advice or information about crypto-assets, or a crypto-asset service, on their behalf possess the necessary knowledge and competence to fulfil their obligations. Member States shall publish the criteria to be used for assessing such knowledge and competence.
8. For the purposes of the suitability assessment referred to in paragraph 1, crypto-asset service providers providing advice on crypto-assets or providing portfolio management of crypto-assets shall obtain from their clients or prospective clients the necessary information regarding their knowledge of, and experience in, investing, including in crypto-assets, their investment objectives, including risk tolerance, their financial situation including their ability to bear losses, and their basic understanding of the risks involved in purchasing crypto-assets, so as to enable crypto-asset service providers to recommend to clients or prospective clients whether or not the crypto-assets are suitable for them and, in particular, are in accordance with their risk tolerance and ability to bear losses.

9. Crypto-asset service providers providing advice on crypto-assets or portfolio management of crypto-assets shall warn clients or prospective clients that:
- (a) the value of crypto-assets might fluctuate;
 - (b) the crypto-assets might be subject to full or partial losses;
 - (c) the crypto-assets might not be liquid;
 - (d) where applicable, the crypto-assets are not covered by the investor compensation schemes under Directive 97/9/EC;
 - (e) the crypto-assets are not covered by the deposit guarantee schemes under Directive 2014/49/EU.
10. Crypto-asset service providers providing advice on crypto-assets or portfolio management of crypto-assets shall establish, maintain and implement policies and procedures to enable them to collect and assess all information necessary to conduct the assessment referred to in paragraph 1 for each client. They shall take all reasonable steps to ensure that the information collected about their clients or prospective clients is reliable.

11. Where clients do not provide the information required pursuant to paragraph 8, or where crypto-asset service providers providing advice on crypto-assets or portfolio management of crypto-assets consider that the crypto-asset services or crypto-assets are not suitable for their clients, they shall not recommend such crypto-asset services or crypto-assets, nor begin the provision of portfolio management of such crypto-assets.
12. Crypto-asset service providers providing advice on crypto-assets or portfolio management of crypto-assets shall regularly review for each client the suitability assessment referred to in paragraph 1 at least every two years after the initial assessment made in accordance with that paragraph.
13. Once the suitability assessment referred to in paragraph 1 or its review under paragraph 12 has been performed, crypto-asset service providers providing advice on crypto-assets shall provide clients with a report on suitability specifying the advice given and how that advice meets the preferences, objectives and other characteristics of clients. That report shall be made and communicated to clients in an electronic format. That report shall, as a minimum:
 - (a) include an updated information on the assessment referred to in paragraph 1; and
 - (b) provide an outline of the advice given.

The report on suitability referred to in the first subparagraph shall make clear that the advice is based on the client's knowledge and experience in investing in crypto-assets, the client's investment objectives, risk tolerance, financial situation and ability to bear losses.

14. Crypto-asset service providers providing portfolio management of crypto-assets shall provide periodic statements to their clients, in an electronic format, of the portfolio management activities carried out on their behalf. Those periodic statements shall contain a fair and balanced review of the activities undertaken and of the performance of the portfolio during the reporting period, an updated statement of how the activities undertaken meet the preferences, objectives and other characteristics of the client, as well as an updated information on the suitability assessment referred to in paragraph 1 or its review under paragraph 12.

The periodic statement referred to in the first subparagraph of this paragraph shall be provided every three months, except in cases where a client has access to an online system where up-to-date valuations of the client's portfolio and updated information on the suitability assessment referred to in paragraph 1 can be accessed, and the crypto-asset service provider has evidence that the client has accessed a valuation at least once during the relevant quarter. Such online system shall be deemed an electronic format.

15. ESMA shall, by ... [18 months after the date of entry into force of this Regulation], issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 specifying:
 - (a) the criteria for the assessment of client's knowledge and competence in accordance with paragraph 2;

- (b) the information referred to in paragraph 8; and
- (c) the format of the periodic statement referred to in paragraph 14.

Article 82

Providing transfer services for crypto-assets on behalf of clients

1. Crypto-asset service providers providing transfer services for crypto-assets on behalf of clients shall conclude an agreement with their clients to specify their duties and their responsibilities. Such agreement shall include at least the following:
 - (a) the identity of the parties to the agreement;
 - (b) a description of the modalities of the transfer service provided;
 - (c) a description of the security systems used by the crypto-asset service provider;
 - (d) fees applied by the crypto-asset service provider;
 - (e) the applicable law.
2. ESMA, in close cooperation with EBA, shall issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 for crypto-asset service providers providing transfer services for crypto-assets on behalf of clients as regards procedures and policies, including the rights of clients, in the context of transfer services for crypto-assets.

Chapter 4

Acquisition of crypto-asset service providers

Article 83

Assessment of proposed acquisitions of crypto-asset service providers

1. Any natural or legal person or such persons acting in concert who have taken a decision either to acquire, directly or indirectly, (the ‘proposed acquirer’) a qualifying holding in a crypto-asset service provider or to increase, directly or indirectly, such a qualifying holding so that the proportion of the voting rights or of the capital held would reach or exceed 20 %, 30 % or 50 % or so that the crypto-asset service provider would become its subsidiary, shall notify the competent authority of that crypto-asset service provider thereof in writing indicating the size of the intended holding and the information required pursuant to the regulatory technical standards adopted by the Commission in accordance with Article 84(4).
2. Any natural or legal person who has taken a decision to dispose, directly or indirectly, of a qualifying holding in a crypto-asset service provider shall, prior to disposing of that holding, notify in writing the competent authority of its decision and indicate the size of such holding. That person shall also notify the competent authority where it has taken a decision to reduce a qualifying holding so that the proportion of the voting rights or of the capital held would fall below 10 %, 20 %, 30 % or 50 % or so that the crypto-asset service provider would cease to be that person’s subsidiary.

3. The competent authority shall, promptly and in any event within two working days following receipt of a notification pursuant to paragraph 1, acknowledge receipt thereof in writing.
4. The competent authority shall assess the proposed acquisition referred to in paragraph 1 of this Article and the information required pursuant to the regulatory technical standards adopted by the Commission in accordance with Article 84(4) within 60 working days of the date of the written acknowledgement of receipt referred to in paragraph 3 of this Article. When acknowledging receipt of the notification, the competent authority shall inform the proposed acquirer of the date of expiry of the assessment period.
5. For the purposes of the assessment referred to in paragraph 4, the competent authority may consult the competent authorities for anti-money laundering and counter-terrorist financing and financial intelligence units and shall duly consider their views.
6. When performing the assessment referred to in paragraph 4, the competent authority may request from the proposed acquirer any additional information that is necessary to complete that assessment. Such request shall be made before the assessment is finalised, and in any case no later than on the 50th working day from the date of the written acknowledgement of receipt referred to in paragraph 3. Such requests shall be made in writing and shall specify the additional information needed.

The competent authority shall suspend the assessment period referred to in paragraph 4, until they have received the additional information referred to in the first subparagraph of this paragraph. The suspension shall not exceed 20 working days. Any further requests by the competent authority for additional information or for clarification of the information received shall not result in an additional suspension of the assessment period.

The competent authority may extend the suspension referred to in the second subparagraph of this paragraph by up to 30 working days if the proposed acquirer is situated outside the Union or regulated under the law of a third country.

7. A competent authority that, upon completion of the assessment referred to in paragraph 4 decides to oppose the proposed acquisition referred to in paragraph 1, shall notify the proposed acquirer thereof within two working days and in any event before the date referred to in paragraph 4 extended, where applicable, in accordance with paragraph 6, second and third subparagraphs. The notification shall provide the reasons for such a decision.
8. Where the competent authority does not oppose the proposed acquisition referred to in paragraph 1 before the date referred to in paragraph 4 extended, where applicable, in accordance with paragraph 6, second and third subparagraphs, the proposed acquisition shall be deemed to be approved.

9. The competent authority may set a maximum period for concluding the proposed acquisition referred to in paragraph 1, and extend that maximum period where appropriate.

Article 84

Content of the assessment of proposed acquisitions of crypto-asset service providers

1. When performing the assessment referred to in Article 83(4), the competent authority shall appraise the suitability of the proposed acquirer and the financial soundness of the proposed acquisition referred to in Article 83(1) against all of the following criteria:
- (a) the reputation of the proposed acquirer;
 - (b) the reputation, knowledge, skills and experience of any person who will direct the business of the crypto-asset service provider as a result of the proposed acquisition;
 - (c) the financial soundness of the proposed acquirer, in particular in relation to the type of business envisaged and pursued in respect of the crypto-asset service provider in which the acquisition is proposed;
 - (d) whether the crypto-asset service provider will be able to comply and continue to comply with the provisions of this Title;

- (e) whether there are reasonable grounds to suspect that, in connection with the proposed acquisition, money laundering or terrorist financing within the meaning of, respectively, Article 1(3) and (5) of Directive (EU) 2015/849 is being or has been committed or attempted, or that the proposed acquisition could increase the risk thereof.
2. The competent authority may oppose the proposed acquisition only where there are reasonable grounds for doing so on the basis of the criteria set out in paragraph 1 of this Article or where the information provided in accordance with Article 83(4) is incomplete or false.
3. Member States shall not impose any prior conditions in respect of the level of qualifying holding that is required to be acquired under this Regulation nor allow their competent authorities to examine the proposed acquisition in terms of the economic needs of the market.
4. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards specifying the detailed content of the information that is necessary to carry out the assessment referred to in Article 83(4), first subparagraph. The information required shall be relevant for a prudential assessment, proportionate and adapted to the nature of the proposed acquirer and the proposed acquisition referred to in Article 83(1).

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Chapter 5

Significant crypto-asset service providers

Article 85

Identification of significant crypto-asset service providers

1. A crypto-asset service provider shall be deemed significant if it has in the Union at least 15 million active users, on average, in one calendar year, where the average is calculated as the average of the daily number of active users throughout the previous calendar year.
2. Crypto-asset service providers shall notify their competent authorities within two months of reaching the number of active users as set out in paragraph 1. Where the competent authority agrees that the threshold set out in paragraph 1 is met, it shall notify ESMA thereof.
3. Without prejudice to the responsibilities of competent authorities under this Regulation, the competent authorities of the home Member States shall provide ESMA's Board of Supervisors with annual updates on the following supervisory developments in relation to significant crypto-asset service providers:
 - (a) ongoing or concluded authorisations as referred to in Article 59;

- (b) ongoing or concluded processes of withdrawal of authorisations as referred to in Article 64;
- (c) the exercise of supervisory powers set out in Article 94(1), first subparagraph, points (b), (c), (e), (f), (g), (y) and (aa).

The competent authority of the home Member State may provide ESMA's Board of Supervisors with more frequent updates, or notify it prior to any decision taken by the competent authority of the home Member State with regard to the first subparagraph, point (a), (b) or (c).

4. The update referred to in paragraph 3, second subparagraph, may be followed by an exchange of views at ESMA's Board of Supervisors.
5. Where appropriate, ESMA may make use of its powers under Articles 29, 30, 31 and 31b of Regulation (EU) No 1095/2010.

TITLE VI
PREVENTION AND PROHIBITION OF MARKET ABUSE
INVOLVING CRYPTO-ASSETS

Article 86

Scope of the rules on market abuse

1. This Title shall apply to acts carried out by any person concerning crypto-assets that are admitted to trading or in respect of which a request for admission to trading has been made.
2. This Title shall also apply to any transaction, order or behaviour concerning crypto-assets as referred to in paragraph 1, irrespective of whether such transaction, order or behaviour takes place on a trading platform.
3. This Title shall apply to actions and omissions, in the Union and in third countries, concerning crypto-assets as referred to in paragraph 1.

Article 87

Inside information

1. For the purposes of this Regulation, inside information shall comprise the following types of information:
 - (a) information of a precise nature, which has not been made public, relating, directly or indirectly, to one or more issuers, offerors or persons seeking admission to trading, or to one or more crypto-assets, and which, if it were made public, would likely have a significant effect on the prices of those crypto-assets or on the price of a related crypto-asset;
 - (b) for persons charged with the execution of orders for crypto-assets on behalf of clients, it also means information of a precise nature conveyed by a client and relating to the client's pending orders in crypto-assets, relating, directly or indirectly, to one or more issuers, offerors or persons seeking admission to trading or to one or more crypto-assets, and which, if it were made public, would likely have a significant effect on the prices of those crypto-assets or on the price of a related crypto-asset.

2. For the purposes of paragraph 1, information shall be deemed to be of a precise nature if it indicates a set of circumstances which exists or which may reasonably be expected to come into existence, or an event which has occurred or which may reasonably be expected to occur, where it is specific enough to enable a conclusion to be drawn as to the possible effect of that set of circumstances or event on the prices of crypto-assets. In that respect, in the case of a protracted process that is intended to bring about, or that results in, particular circumstances or a particular event, those future circumstances or that future event, and also the intermediate steps of that process which are connected with bringing about or resulting in those future circumstances or that future event, may be deemed to be precise information.
3. An intermediate step in a protracted process shall be deemed to be inside information if, in and of itself, it satisfies the criteria of inside information referred to in paragraph 2.
4. For the purposes of paragraph 1, information which, if it were made public, would likely have a significant effect on the prices of crypto-assets shall mean information that a reasonable holder of crypto-assets would likely use as part of the basis of the holder's investment decisions.

Article 88

Public disclosure of inside information

1. Issuers, offerors and persons seeking admission to trading shall inform the public as soon as possible of inside information referred to in Article 87 that directly concerns them, in a manner that enables fast access as well as complete, correct and timely assessment of the information by the public. Issuers, offerors and persons seeking admission to trading shall not combine the disclosure of inside information to the public with the marketing of their activities. Issuers, offerors and persons seeking admission to trading shall post and maintain on their website, for a period of at least five years, all inside information that they are required to disclose publicly.
2. Issuers, offerors and persons seeking admission to trading may, on their own responsibility, delay disclosure to the public of inside information referred to in Article 87 provided that all of the following conditions are met:
 - (a) immediate disclosure is likely to prejudice the legitimate interests of the issuers, offerors or persons seeking admission to trading;
 - (b) delay of disclosure is not likely to mislead the public;
 - (c) issuers, offerors or persons seeking admission to trading are able to ensure the confidentiality of that information.

3. Where an issuer, offeror or a person seeking admission to trading has delayed the disclosure of inside information in accordance with paragraph 2, it shall inform the competent authority that disclosure of the information was delayed and shall provide a written explanation of how the conditions set out in paragraph 2 were met, immediately after the information is disclosed to the public. Alternatively, Member States may provide that a record of such an explanation is to be provided only upon the request of the competent authority.
4. In order to ensure uniform conditions of application of this Article, ESMA shall develop draft implementing technical standards to determine the technical means for:
 - (a) appropriate public disclosure of inside information as referred to in paragraph 1; and
 - (b) delaying the public disclosure of inside information as referred to in paragraphs 2 and 3.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

Article 89

Prohibition of insider dealing

1. For the purposes of this Regulation, insider dealing shall be deemed to arise where a person possesses inside information and uses that information by acquiring or disposing of, for its own account or for the account of a third party, directly or indirectly, crypto-assets to which that information relates. The use of inside information by cancelling or amending an order concerning a crypto-asset to which the information relates where the order was placed before the person concerned possessed the inside information, shall also be considered to be insider dealing. The use of inside information shall also comprise submitting, modifying or withdrawing a bid by a person for its own account or for the account of a third party.
2. No person shall engage or attempt to engage in insider dealing or use inside information about crypto-assets to acquire, or dispose of, those crypto-assets, directly or indirectly, whether for that person's own account or for the account of a third party. No person shall recommend that another person engage in insider dealing or induce another person to engage in insider dealing.
3. No person in the possession of inside information about crypto-assets shall, based on that inside information, recommend or induce another person:
 - (a) to acquire or dispose of those crypto-assets; or

- (b) to cancel or amend an order concerning those crypto-assets.
4. The use of a recommendation or inducement as referred to in paragraph 3 amounts to insider dealing within the meaning of this Article where the person using that recommendation or inducement knows or ought to know that it is based on inside information.
5. This Article applies to any person who possesses inside information as a result of:
- (a) being a member of the administrative, management or supervisory bodies of the issuer, the offeror, or the person seeking admission to trading;
 - (b) having a holding in the capital of the issuer, the offeror, or the person seeking admission to trading;
 - (c) having access to the information through the exercise of an employment, profession or duties or in relation to its role in the distributed ledger technology or similar technology; or
 - (d) being involved in criminal activities.

This Article also applies to any person who possesses inside information under circumstances other than those referred to in the first subparagraph where that person knows or ought to know that it is inside information.

6. Where person as referred to in paragraph 1 is a legal person, this Article shall apply, in accordance with national law, to the natural persons who participate in the decision to carry out the acquisition, disposal, cancellation or amendment of an order for the account of the legal person concerned.

Article 90

Prohibition of unlawful disclosure of inside information

1. No person in possession of inside information shall unlawfully disclose inside information to any other person, except where such disclosure is made in the normal exercise of an employment, a profession or duties.
2. The onward disclosure of recommendations or inducements referred to in Article 89(4) amounts to unlawful disclosure of inside information where the person disclosing the recommendation or inducement knows or ought to know that it was based on inside information.

Article 91

Prohibition of market manipulation

1. No person shall engage in or attempt to engage in market manipulation.

2. For the purposes of this Regulation, market manipulation shall comprise any of the following activities:
- (a) unless carried out for legitimate reasons, entering into a transaction, placing an order to trade or engaging in any other behaviour which:
 - (i) gives, or is likely to give, false or misleading signals as to the supply of, demand for, or price of, a crypto-asset;
 - (ii) secures, or is likely to secure, the price of one or several crypto-assets at an abnormal or artificial level;
 - (b) entering into a transaction, placing an order to trade or any other activity or behaviour which affects or is likely to affect the price of one or several crypto-assets, while employing a fictitious device or any other form of deception or contrivance;
 - (c) disseminating information through the media, including the internet, or by any other means, which gives, or is likely to give, false or misleading signals as to the supply of, demand for, or price of one or several crypto-assets, or secures or is likely to secure, the price of one or several crypto-assets, at an abnormal or artificial level, including the dissemination of rumours, where the person who engaged in the dissemination knew, or ought to have known, that the information was false or misleading.

3. The following behaviour shall, inter alia, be considered market manipulation:
- (a) securing a dominant position over the supply of, or demand for, a crypto-asset, which has, or is likely to have, the effect of fixing, directly or indirectly, purchase or sale prices or creates, or is likely to create, other unfair trading conditions;
 - (b) the placing of orders to a trading platform for crypto-assets, including any cancellation or modification thereof, by any available means of trading, and which has one of the effects referred to in paragraph 2, point (a), by:
 - (i) disrupting or delaying the functioning of the trading platform for crypto-assets or engaging into any activities that are likely to have that effect;
 - (ii) making it more difficult for other persons to identify genuine orders on the trading platform for crypto-assets or engaging into any activities that are likely to have that effect, including by entering orders which result in the destabilisation of the normal functioning of the trading platform for crypto-assets;
 - (iii) creating a false or misleading signal about the supply of, or demand for, or price of, a crypto-asset, in particular by entering orders to initiate or exacerbate a trend, or engaging into any activities that are likely to have that effect;

- (c) taking advantage of occasional or regular access to the traditional or electronic media by voicing an opinion about a crypto-asset, while having previously taken positions on that crypto-asset, and profiting subsequently from the impact of the opinions voiced on the price of that crypto-asset, without having simultaneously disclosed that conflict of interest to the public in a proper and effective way.

Article 92

Prevention and detection of market abuse

1. Any person professionally arranging or executing transactions in crypto-assets shall have in place effective arrangements, systems and procedures to prevent and detect market abuse. That person shall be subject to the rules of notification of the Member State where it is registered or has its head office or, in the case of a branch, the Member State where the branch is situated, and shall without delay report to the competent authority of that Member State any reasonable suspicion regarding an order or transaction, including any cancellation or modification thereof, and other aspects of the functioning of the distributed ledger technology such as the consensus mechanism, where there might exist circumstances indicating that market abuse has been committed, is being committed or is likely to be committed.

The competent authorities receiving a report of suspicious orders or transactions shall transmit such information immediately to the competent authorities of the trading platforms concerned.

2. ESMA shall develop draft regulatory technical standards to further specify:
 - (a) appropriate arrangements, systems and procedures for persons to comply with paragraph 1;
 - (b) the template to be used by persons to comply with paragraph 1;
 - (c) for cross-border market abuse situations, coordination procedures between the relevant competent authorities for the detection and sanctioning of market abuse.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [18 months after the date of entry into force of this Regulation].

3. In order to ensure consistency of supervisory practices under this Article, ESMA shall by ... [24 months after the date of entry into force of this Regulation] issue guidelines in accordance with Article 16 of Regulation (EU) No 1095/2010 on supervisory practices among the competent authorities to prevent and detect market abuse, if not already covered by the regulatory technical standards referred to in paragraph 2.

TITLE VII
COMPETENT AUTHORITIES, EBA AND ESMA

Chapter 1
Powers of competent authorities and cooperation
between competent authorities, EBA and ESMA

Article 93

Competent authorities

1. Member States shall designate the competent authorities responsible for carrying out the functions and duties provided for in this Regulation. Member States shall notify those competent authorities to EBA and ESMA.
2. Where Member States designate more than one competent authority pursuant to paragraph 1, they shall determine their respective tasks and designate one competent authority as the single point of contact for cross-border administrative cooperation between competent authorities as well as with EBA and ESMA. Member States may designate a different single point of contact for each of those types of administrative cooperation.

3. ESMA shall publish on its website a list of the competent authorities designated in accordance with paragraphs 1 and 2.

Article 94

Powers of competent authorities

1. In order to perform their duties under Titles II to VI of this Regulation, competent authorities shall have, in accordance with national law, at least the following supervisory and investigative powers:
 - (a) to require any person to provide information and documents which the competent authorities consider could be relevant for the performance of their duties;
 - (b) to suspend, or to require a crypto-asset service provider to suspend, the provision of crypto-asset services for a maximum of 30 consecutive working days on any single occasion where there are reasonable grounds for suspecting that this Regulation has been infringed;
 - (c) to prohibit the provision of crypto-asset services where they find that this Regulation has been infringed;

- (d) to disclose, or to require a crypto-asset service provider to disclose, all material information which might have an effect on the provision of the crypto-asset services concerned, in order to ensure the protection of the interests of clients, in particular retail holders, or the smooth operation of the market;
- (e) to make public the fact that a crypto-asset service provider fails to fulfil its obligations;
- (f) to suspend, or to require a crypto-asset service provider to suspend, the provision of crypto-asset services where the competent authorities consider that the crypto-asset service provider's situation is such that the provision of the crypto-asset service would be detrimental to the interests of clients, in particular retail holders;
- (g) to require the transfer of existing contracts to another crypto-asset service provider in cases where a crypto-asset service provider's authorisation is withdrawn in accordance with Article 64, subject to the agreement of the clients and the crypto-asset service provider to which the contracts are to be transferred;
- (h) where there is a reason to assume that a person is providing crypto-asset services without authorisation, to order the immediate cessation of the activity without prior warning or imposition of a deadline;

- (i) to require offerors, persons seeking admission to trading of crypto-assets, or issuers of asset-referenced tokens or e-money tokens to amend their crypto-asset white paper or further amend their modified crypto-asset white paper, where they find that the crypto-asset white paper or the modified crypto-asset white paper does not contain the information required by Article 6, 19 or 51;
- (j) to require offerors, persons seeking admission to trading of crypto-assets, or issuers of asset-referenced tokens or e-money tokens, to amend their marketing communications, where they find that the marketing communications do not comply with the requirements set out in Article 7, 29 or 53 of this Regulation;
- (k) to require offerors, persons seeking admission to trading of crypto-assets, or issuers of asset-referenced tokens or e-money tokens, to include additional information in their crypto-asset white papers, where necessary for financial stability or the protection of the interests of the holders of crypto-assets, in particular retail holders;
- (l) to suspend an offer to the public or an admission to trading of crypto-assets for a maximum of 30 consecutive working days on any single occasion where there are reasonable grounds for suspecting that this Regulation has been infringed;
- (m) to prohibit an offer to the public or an admission to trading of crypto-assets where they find that this Regulation has been infringed or where there are reasonable grounds for suspecting that it will be infringed;

- (n) to suspend, or require a crypto-asset service provider operating a trading platform for crypto-assets to suspend, trading of the crypto-assets for a maximum of 30 consecutive working days on any single occasion where there are reasonable grounds for suspecting that this Regulation has been infringed;
- (o) to prohibit trading of crypto-assets on a trading platform for crypto-assets where they find that this Regulation has been infringed or where there are reasonable grounds for suspecting that it will be infringed;
- (p) to suspend or prohibit marketing communications where there are reasonable grounds for suspecting that this Regulation has been infringed;
- (q) to require offerors, persons seeking admission to trading of crypto-assets, issuers of asset-referenced tokens or e-money tokens or relevant crypto-asset service providers to cease or suspend marketing communications for a maximum of 30 consecutive working days on any single occasion where there are reasonable grounds for suspecting that this Regulation has been infringed;
- (r) to make public the fact that an offeror, a person seeking admission to trading of a crypto-asset or an issuer of an asset-referenced token or e-money token, fails to fulfil its obligations under this Regulation;

- (s) to disclose, or to require the offeror, the person seeking admission to trading of a crypto-asset or the issuer of the asset-referenced token or e-money token, to disclose all material information which may have an effect on the assessment of the crypto-asset offered to the public or admitted to trading in order to ensure the protection of the interests of holders of crypto-assets, in particular retail holders, or the smooth operation of the market;
- (t) to suspend, or require the relevant crypto-asset service provider operating the trading platform for crypto-assets to suspend, the crypto-assets from trading where they consider that the situation of the offeror, the person seeking admission to trading of a crypto-asset or the issuer of an asset-referenced token or an e-money token is such that trading would be detrimental to the interests of the holders of crypto-assets, in particular retail holders;
- (u) where there is a reason to assume that a person is issuing asset-referenced tokens or e-money tokens without authorisation or a person is offering or seeking admission to trading of crypto-assets other than asset-referenced tokens or e-money tokens without a crypto-asset white paper notified in accordance with Article 8, to order the immediate cessation of the activity without prior warning or imposition of a deadline;

- (v) to take any type of measure to ensure that an offeror or a person seeking admission to trading of crypto-assets, an issuer of an asset-referenced token or an e-money token or a crypto-asset service provider comply with this Regulation including to require the cessation of any practice or conduct that the competent authorities consider contrary to this Regulation;
- (w) to carry out on-site inspections or investigations at sites other than the private residences of natural persons, and for that purpose to enter premises in order to access documents and other data in any form;
- (x) to outsource verifications or investigations to auditors or experts;
- (y) to require the removal of a natural person from the management body of an issuer of an asset-referenced token or of a crypto-asset service provider;
- (z) to request any person to take steps to reduce the size of its position or exposure to crypto-assets;

- (aa) where no other effective means are available to bring about the cessation of the infringement of this Regulation and in order to avoid the risk of serious harm to the interests of clients or holders of crypto-assets to take all necessary measures, including by requesting a third party or a public authority to implement such measures, to:
 - (i) remove content or restrict access to an online interface or to order the explicit display of a warning to clients and holders of crypto-assets when they access an online interface;
 - (ii) order a hosting service provider to remove, disable or restrict access to an online interface; or
 - (iii) order domain registries or registrars to delete a fully qualified domain name and allow the competent authority concerned to register it;
 - (ab) to require an issuer of an asset-referenced token or e-money token, in accordance with Article 23(4), 24(3) or 58(3), to introduce a minimum denomination amount or to limit the amount issued.
2. Supervisory and investigative powers exercised in relation to offerors, persons seeking admission to trading, issuers and crypto-asset service providers, are without prejudice to powers granted to the same or other supervisory authorities regarding those entities, including powers granted to relevant competent authorities under the provisions of national law transposing Directive 2009/110/EC and prudential supervisory powers granted to the ECB under Regulation (EU) No 1024/2013.

3. In order to fulfil their duties under Title VI, competent authorities shall have, in accordance with national law, at least the following supervisory and investigatory powers in addition to the powers referred to in paragraph 1:
- (a) to access any document and data in any form, and to receive or take a copy thereof;
 - (b) to require or demand information from any person, including those who are successively involved in the transmission of orders or conduct of the operations concerned, as well as their principals, and if necessary, to summon and question any such person with a view to obtain information;
 - (c) to enter the premises of natural and legal persons in order to seize documents and data in any form where a reasonable suspicion exists that documents or data relating to the subject matter of the inspection or investigation might be relevant to prove a case of insider dealing or market manipulation;
 - (d) to refer matters for criminal prosecution;
 - (e) to require, insofar as permitted by national law, existing data traffic records held by a telecommunications operator, where there is a reasonable suspicion of an infringement and where such records may be relevant to the investigation of an infringement of Articles 88 to 91;

- (f) to request the freezing or sequestration of assets, or both;
 - (g) to impose a temporary prohibition on the exercise of professional activity;
 - (h) to take all necessary measures to ensure that the public is correctly informed, inter alia, by correcting false or misleading disclosed information, including by requiring an offeror, person seeking admission to trading or issuer or other person who has published or disseminated false or misleading information to publish a corrective statement.
4. Where necessary under national law, the competent authority may ask the relevant court to decide on the use of the powers referred to in paragraphs 1 and 2.
5. Competent authorities shall exercise the powers referred to in paragraphs 1 and 2 in any of the following ways:
- (a) directly;
 - (b) in collaboration with other authorities, including authorities competent for the prevention and fight against money laundering and terrorist financing;
 - (c) under their responsibility, by delegation to the authorities referred to in point (b);
 - (d) by application to the competent courts.

6. Member States shall ensure that appropriate measures are in place so that competent authorities can exercise the supervisory and investigatory powers that are necessary to perform their duties.
7. A person making information available to the competent authority in accordance with this Regulation shall not be considered to infringe any restriction on disclosure of information imposed by contract or by any legislative, regulatory or administrative provision, and shall not be subject to liability of any kind related to such notification.

Article 95

Cooperation between competent authorities

1. Competent authorities shall cooperate with each other for the purposes of this Regulation. Competent authorities shall render assistance to competent authorities of other Member States, and to EBA and ESMA. They shall exchange information without undue delay and cooperate in investigation, supervision and enforcement activities.

Where Member States have, in accordance with Article 111(1), second subparagraph, laid down criminal penalties for the infringements of this Regulation referred to in Article 111(1), first subparagraph, they shall ensure that appropriate measures are in place so that competent authorities have all the necessary powers to liaise with judicial, prosecuting or criminal justice authorities within their jurisdiction to receive specific information related to criminal investigations or proceedings commenced for infringements of this Regulation and to provide the same information to other competent authorities as well as to EBA and ESMA, in order to fulfil their obligation to cooperate for the purposes of this Regulation.

2. A competent authority may refuse to act on a request for information or a request to cooperate with an investigation only in the following cases:
 - (a) communication of relevant information could adversely affect the security of the Member State addressed, in particular with regard to the fight against terrorism and other serious crimes;
 - (b) where complying with the request is likely to adversely affect its own investigation, enforcement activities or, where applicable, a criminal investigation;
 - (c) where proceedings have already been initiated in respect of the same actions and against the same natural or legal persons before the courts of the Member State addressed;

(d) where a final judgment has already been delivered in respect of the same action and against the same natural or legal person in the Member State addressed.

3. Competent authorities shall, upon request, without undue delay provide any information required for the purposes of this Regulation.

4. A competent authority may request assistance from the competent authority of another Member State with regard to on-site inspections or investigations.

A requesting competent authority shall inform EBA and ESMA of any request made pursuant to the first subparagraph. Where a competent authority receives a request from a competent authority of another Member State to carry out an on-site inspection or investigation, it may:

(a) carry out the on-site inspection or investigation itself;

(b) allow the competent authority which submitted the request to participate in an on-site inspection or investigation;

(c) allow the competent authority which submitted the request to carry out the on-site inspection or investigation itself;

(d) share specific tasks related to supervisory activities with the other competent authorities.

5. In the case of an on-site inspection or investigation referred to in paragraph 4, ESMA shall coordinate the inspection or investigation, where requested to do so by one of the competent authorities.

Where the on-site inspection or investigation referred to in paragraph 4 concerns an issuer of an asset-referenced token or e-money token or concerns crypto-asset services related to asset-referenced tokens or e-money tokens, EBA shall, where requested to do so by one of the competent authorities, coordinate the inspection or investigation.

6. The competent authorities may bring the matter to the attention of ESMA in situations where a request for cooperation, in particular to exchange information, has been rejected or has not been acted upon within a reasonable time. Article 19(4) of Regulation (EU) No 1095/2010 shall apply in such situations *mutatis mutandis*.
7. By way of derogation from paragraph 6 of this Article, the competent authorities may bring the matter to the attention of EBA in situations where a request for cooperation, in particular for information concerning an issuer of an asset-referenced token or e-money token or concerning crypto-asset services related to asset-referenced tokens or e-money tokens, has been rejected or has not been acted upon within a reasonable time. Article 19(4) of Regulation (EU) No 1093/2010 shall apply in such situations *mutatis mutandis*.

8. Competent authorities shall closely coordinate their supervision in order to identify and remedy infringements of this Regulation, develop and promote best practices, facilitate collaboration, foster consistency of interpretation, and provide cross-jurisdictional assessments in the event of any disagreements.

For the purposes of the first subparagraph of this paragraph, EBA and ESMA shall fulfil a coordination role between competent authorities and across supervisory colleges as referred to in Article 119 with a view to building a common supervisory culture and consistent supervisory practices and ensuring uniform procedures.

9. Where a competent authority finds that any of the requirements under this Regulation has not been met or has reason to believe that to be the case, it shall inform the competent authority of the entity or entities suspected of such infringement of its findings in a sufficiently detailed manner.
10. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards to further specify the information to be exchanged between competent authorities pursuant to paragraph 1.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

11. ESMA, in close cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, templates and procedures for the cooperation and exchange of information between competent authorities.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

Article 96

Cooperation with EBA and ESMA

1. For the purposes of this Regulation, the competent authorities shall cooperate closely with ESMA in accordance with Regulation (EU) No 1095/2010 and with EBA in accordance with Regulation (EU) No 1093/2010. They shall exchange information in order to carry out their duties under this Chapter and Chapters 2 and 3 of this Title.

2. The competent authorities shall without delay provide EBA and ESMA with all information necessary to perform their duties, in accordance with Article 35 of Regulation (EU) No 1093/2010 and Article 35 of Regulation (EU) No 1095/2010 respectively.
3. ESMA, in close cooperation with EBA, shall develop draft implementing technical standards to establish standard forms, templates and procedures for the cooperation and exchange of information between competent authorities and EBA and ESMA.

ESMA shall submit the draft implementing technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is conferred on the Commission to adopt the implementing technical standards referred to in the first subparagraph of this paragraph in accordance with Article 15 of Regulation (EU) No 1095/2010.

Article 97

Promotion of convergence on the classification of crypto-assets

1. By ... [18 months after the date of entry into force of this Regulation], the ESAs shall jointly issue guidelines in accordance with Article 16 of Regulation (EU) No 1093/2010, Article 16 of Regulation (EU) No 1094/2010 and Article 16 of Regulation (EU) No 1095/2010 to specify the content and form of the explanation accompanying the crypto-asset white paper referred to in Article 8(4) and of the legal opinions on the qualification of asset-referenced tokens referred to in Article 17(1), point (b)(ii), and Article 18(2), point (e). The guidelines shall include a template for the explanation and the opinion and a standardised test for the classification of crypto-assets.
2. The ESAs shall, in accordance with Article 29 of Regulation (EU) No 1093/2010, Article 29 of Regulation (EU) No 1094/2010 and Article 29 of Regulation (EU) No 1095/2010, respectively, promote discussion among competent authorities on the classification of the crypto-assets, including on the classification of those crypto-assets that are excluded from the scope of this Regulation pursuant to Article 2(3). The ESAs shall also identify the sources of potential divergences in the approaches of the competent authorities to the classification of those crypto-assets and shall, to the extent possible, promote a common approach thereto.

3. Competent authorities of the home or the host Member States may request ESMA, EIOPA or EBA, as appropriate, for an opinion on the classification of crypto-assets, including those that are excluded from the scope of this Regulation pursuant to Article 2(3). ESMA, EIOPA or EBA, as applicable, shall provide such opinion in accordance with Article 29 of Regulation (EU) No 1093/2010, Article 29 of Regulation (EU) No 1094/2010 and Article 29 of Regulation (EU) No 1095/2010, as applicable, within 15 working days of receipt of the request from the competent authorities.
4. The ESAs shall jointly draw up an annual report based on the information contained in the register referred to in Article 109 and on the results of their work referred to in paragraphs 2 and 3 of this Article, identifying difficulties in the classification of crypto-assets and divergences in the approaches of the competent authorities.

Article 98

Cooperation with other authorities

Where an offeror, person seeking admission to trading, an issuer of an asset-referenced token or e-money token or a crypto-asset service provider engages in activities other than those covered by this Regulation, the competent authorities shall cooperate with the authorities responsible for the supervision or oversight of such other activities pursuant to Union or national law, including tax authorities and relevant supervisory authorities of third countries.

Article 99

Duty of notification

Member States shall notify the laws, regulations and administrative provisions implementing this Title, including any relevant criminal law provisions, to the Commission, EBA and ESMA by... [24 months after the date of entry into force of this Regulation]. Member States shall notify the Commission, EBA and ESMA without undue delay of any subsequent amendments thereto.

Article 100

Professional secrecy

1. All information exchanged between the competent authorities under this Regulation that concerns business or operational conditions and other economic or personal affairs shall be considered confidential and shall be subject to the requirements of professional secrecy, except where the competent authority states at the time of communication that such information may be disclosed or such disclosure is necessary for legal proceedings or cases covered by national taxation or criminal law.
2. The obligation of professional secrecy shall apply to all natural and legal persons who work or have worked for the competent authorities. Information covered by professional secrecy may not be disclosed to any other natural or legal person or authority except by virtue of Union or national legislative acts.

Article 101
Data protection

With regard to the processing of personal data within the framework of this Regulation, competent authorities shall carry out their tasks for the purposes of this Regulation in accordance with Regulation (EU) 2016/679.

The processing of personal data by EBA and ESMA for the purposes of this Regulation shall be carried out in accordance with Regulation (EU) 2018/1725.

Article 102
Precautionary measures

1. Where the competent authority of a host Member State has clear and demonstrable grounds for suspecting that there are irregularities in the activities of an offeror or person seeking admission to trading of crypto-assets, an issuer of an asset-referenced token or e-money token, or a crypto-asset service provider, it shall notify the competent authority of the home Member State and ESMA thereof.

Where the irregularities referred to in the first subparagraph concern an issuer of an asset-referenced token or e-money token, or a crypto-asset service related to asset-referenced tokens or e-money tokens, the competent authority of the host Member State shall also notify EBA.

2. Where, despite the measures taken by the competent authority of the home Member State, the irregularities referred to in paragraph 1 persist, amounting to an infringement of this Regulation, the competent authority of the host Member State, after informing the competent authority of the home Member State, ESMA and, where appropriate, EBA, shall take appropriate measures in order to protect clients of crypto-asset service providers and holders of crypto-assets, in particular retail holders. Such measures include preventing the offeror, person seeking admission to trading, the issuer of the asset-referenced token or e-money token or the crypto-asset service provider from conducting further activities in the host Member State. The competent authority shall inform ESMA and, where appropriate, EBA thereof without undue delay. ESMA, and, where involved, EBA, shall inform the Commission accordingly without undue delay.
3. Where a competent authority of the home Member State disagrees with any of the measures taken by a competent authority of the host Member State pursuant to paragraph 2 of this Article, it may bring the matter to the attention of ESMA. Article 19(4) of Regulation (EU) No 1095/2010 shall apply in such situations *mutatis mutandis*.

By way of derogation from the first subparagraph of this paragraph, where the measures referred to in paragraph 2 of this Article concern an issuer of an asset-referenced token or e-money token, or a crypto-asset service related to asset-referenced tokens or e-money tokens, the competent authority of the host Member State may bring the matter to the attention of EBA. Article 19(4) of Regulation (EU) No 1093/2010 shall apply in such situations *mutatis mutandis*.

Article 103

ESMA temporary intervention powers

1. In accordance with Article 9(5) of Regulation (EU) No 1095/2010, ESMA may, where the conditions in paragraphs 2 and 3 of this Article are fulfilled, temporarily prohibit or restrict:
 - (a) the marketing, distribution or sale of certain crypto-assets other than asset-referenced tokens or e-money tokens or crypto-assets other than asset-referenced tokens or e-money tokens with certain specified features; or
 - (b) a type of activity or practice related to crypto-assets other than asset-referenced tokens or e-money tokens.

A prohibition or restriction may apply in certain circumstances, or be subject to exceptions, specified by ESMA.

2. ESMA shall take a measure pursuant to paragraph 1 only if all of the following conditions are fulfilled:
 - (a) the proposed prohibition or restriction addresses a significant investor protection concern or a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system in the Union;

- (b) the regulatory requirements under Union law that are applicable to the relevant crypto-assets and crypto-asset services do not address the threat at issue;
 - (c) a relevant competent authority has not taken action to address the threat at issue or the actions that have been taken do not adequately address that threat.
3. When taking a measure pursuant to paragraph 1, ESMA shall ensure that the measure does not:
- (a) have a detrimental effect on the efficiency of markets in crypto-assets or on holders of crypto-assets or clients receiving crypto-asset services that is disproportionate to the benefits of the measure; and
 - (b) create a risk of regulatory arbitrage.

Where competent authorities have taken a measure pursuant to Article 105, ESMA may take any of the measures referred to in paragraph 1 of this Article without issuing an opinion pursuant to Article 106(2).

4. Before deciding to take a measure pursuant to paragraph 1, ESMA shall notify the relevant competent authorities of the measure it intends to take.

5. ESMA shall publish on its website a notice of a decision to take a measure pursuant to paragraph 1. That notice shall specify the details of the prohibition or restriction imposed and specify a time after the publication of the notice from which the measures will take effect. A prohibition or restriction shall only apply to activities after the measure has taken effect.
6. ESMA shall review a prohibition or restriction imposed pursuant to paragraph 1 at appropriate intervals, and at least every six months. Following at least two consecutive renewals and based on a proper analysis assessing the impact on consumers, ESMA may decide on the annual renewal of the prohibition or restriction.
7. Measures taken by ESMA pursuant to this Article shall prevail over any previous measure taken by the relevant competent authorities on the same matter.
8. The Commission shall adopt delegated acts in accordance with Article 139 to supplement this Regulation by specifying the criteria and factors to be taken into account by ESMA in determining whether there is a significant investor protection concern or a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system of the Union for the purposes of paragraph 2, point (a), of this Article.

Article 104

EBA temporary intervention powers

1. In accordance with Article 9(5) of Regulation (EU) No 1093/2010, EBA may, where the conditions in paragraphs 2 and 3 of this Article are fulfilled, temporarily prohibit or restrict:
 - (a) the marketing, distribution or sale of certain asset-referenced tokens or e-money tokens or asset-referenced tokens or e-money tokens with certain specified features;
or
 - (b) a type of activity or practice related to asset-referenced tokens or e-money tokens.

A prohibition or restriction may apply in certain circumstances, or be subject to exceptions, specified by EBA.

2. EBA shall take a measure pursuant to paragraph 1 only if all of the following conditions are fulfilled:
 - (a) the proposed prohibition or restriction addresses a significant investor protection concern or a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system in the Union;

- (b) the regulatory requirements under Union law that are applicable to the relevant asset-referenced tokens, e-money tokens or crypto-asset services related to them do not address the threat at issue;
 - (c) a relevant competent authority has not taken action to address the threat at issue or the actions that have been taken do not adequately address that threat.
3. When taking a measure pursuant to paragraph 1, EBA shall ensure that the measure does not:
- (a) have a detrimental effect on the efficiency of markets in crypto-assets or on holders of asset-referenced tokens or e-money tokens or clients receiving crypto-asset services that is disproportionate to the benefits of the measure; and
 - (b) create a risk of regulatory arbitrage.

Where competent authorities have taken a measure pursuant to Article 105, EBA may take any of the measures referred to in paragraph 1 of this Article without issuing an opinion pursuant to Article 106(2).

4. Before deciding to take a measure pursuant to paragraph 1, EBA shall notify the relevant competent authorities of the measure it intends to take.

5. EBA shall publish on its website a notice of a decision to take a measure pursuant to paragraph 1. That notice shall specify the details of the prohibition or restriction imposed and specify a time after the publication of the notice from which the measures will take effect. A prohibition or restriction shall only apply to activities after the measure has taken effect.
6. EBA shall review a prohibition or restriction imposed pursuant to paragraph 1 at appropriate intervals, and at least every six months. Following at least two consecutive renewals and based on a proper analysis assessing the impact on consumers, EBA may decide on the annual renewal of the prohibition or restriction.
7. Measures taken by EBA pursuant to this Article shall prevail over any previous measure taken by the relevant competent authority on the same matter.
8. The Commission shall adopt delegated acts in accordance with Article 139 to supplement this Regulation by specifying the criteria and factors to be taken into account by EBA in determining whether there is a significant investor protection concern or a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system of the Union for the purposes of paragraph 2, point (a), of this Article.

Article 105

Product intervention by competent authorities

1. A competent authority may prohibit or restrict the following in or from its Member State:
 - (a) the marketing, distribution or sale of certain crypto-assets or crypto-assets with certain specified features; or
 - (b) a type of activity or practice related to crypto-assets.

2. A competent authority shall only take a measure pursuant to paragraph 1 if it is satisfied on reasonable grounds that:
 - (a) a crypto-asset gives rise to significant investor protection concerns or poses a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system within at least one Member State;
 - (b) existing regulatory requirements under Union law applicable to the crypto-asset or crypto-asset service concerned do not sufficiently address the risks referred to in point (a) and the issue would not be better addressed by improved supervision or enforcement of existing requirements;

- (c) the measure is proportionate, taking into account the nature of the risks identified, the level of sophistication of investors or market participants concerned and the likely effect of the measure on investors and market participants who may hold, use or benefit from the crypto-asset or crypto-asset service concerned;
- (d) the competent authority has properly consulted the competent authorities in other Member States that might be significantly affected by the measure; and
- (e) the measure does not have a discriminatory effect on services or activities provided from another Member State.

Where the conditions set out in the first subparagraph of this paragraph are fulfilled, the competent authority may impose the prohibition or restriction referred to in paragraph 1 on a precautionary basis before a crypto-asset has been marketed, distributed or sold to clients.

The competent authority may decide to apply the prohibition or restriction referred to in paragraph 1 only in certain circumstances or to make it subject to exceptions.

3. The competent authority shall not impose a prohibition or restriction under this Article unless, not less than one month before the measure is intended to take effect, it has notified all other competent authorities and ESMA, or EBA for asset-referenced tokens and e-money tokens, in writing or through another medium agreed between the authorities, the following details:
 - (a) the crypto-asset or activity or practice to which the proposed measure relates;
 - (b) the precise nature of the proposed prohibition or restriction and when it is intended to take effect; and
 - (c) the evidence upon which it has based its decision and upon which it is satisfied that each of the conditions in paragraph 2, first subparagraph, are met.

4. In exceptional cases where the competent authority considers it necessary in order to prevent any detrimental effects arising from the crypto-asset or activity or practice referred to in paragraph 1, the competent authority may take an urgent measure on a provisional basis with no less than 24 hours' written notice before the measure is intended to take effect to all other competent authorities and ESMA, provided that all of the criteria listed in this Article are met and, in addition, that it is clearly established that a one-month notification period would not adequately address the specific concern or threat. The duration of measures taken on a provisional basis shall not exceed three months.

5. The competent authority shall publish on its website a notice of a decision to impose a prohibition or restriction as referred to in paragraph 1. That notice shall specify the details of the prohibition or restriction imposed and specify a time after the publication of the notice from which the measures will take effect and the evidence upon which the competent authority has based its decision, and is satisfied that each of the conditions in paragraph 2, first subparagraph, is met. The prohibition or restriction shall only apply to activities after the measures have taken effect.
6. The competent authority shall revoke a prohibition or restriction if the conditions in paragraph 2 no longer apply.
7. The Commission shall adopt delegated acts in accordance with Article 139 to supplement this Regulation by specifying the criteria and factors to be taken into account by the competent authorities in determining whether there is a significant investor protection concern or a threat to the orderly functioning and integrity of markets in crypto-assets or to the stability of the whole or part of the financial system within at least one Member State as for the purposes of paragraph 2, first subparagraph, point (a).

Article 106

Coordination with ESMA or EBA

1. ESMA or, for asset-referenced tokens and e-money tokens, EBA, shall perform a facilitating and coordinating role in relation to measures taken by competent authorities pursuant to Article 105. ESMA or, for asset-referenced tokens and e-money tokens, EBA, shall ensure that measures taken by a competent authority are justified and proportionate and that a consistent approach is taken by competent authorities, where appropriate.
2. After receiving notification in accordance with Article 105(3) of any measure to be taken pursuant to that Article, ESMA or, for asset-referenced tokens and e-money tokens, EBA, shall issue an opinion on whether the prohibition or restriction is justified and proportionate. If ESMA or, for asset-referenced tokens and e-money tokens, EBA, considers that the taking of a measure by other competent authorities is necessary to address the risk, it shall state this in its opinion. The opinion shall be published on the website of ESMA or, for asset-referenced tokens and e-money tokens, EBA.
3. Where a competent authority proposes to take, or takes or declines to take measures contrary to an opinion issued by ESMA or EBA pursuant to paragraph 2, it shall immediately publish on its website a notice fully explaining its reasons therefor.

Article 107

Cooperation with third countries

1. The competent authorities of Member States shall, where necessary, conclude cooperation arrangements with supervisory authorities of third countries concerning the exchange of information with those supervisory authorities of third countries and the enforcement of obligations under this Regulation in those third countries. Those cooperation arrangements shall ensure at least an efficient exchange of information that allows the competent authorities to carry out their duties under this Regulation.

A competent authority shall inform EBA, ESMA and the other competent authorities where it intends to conclude such an arrangement.

2. ESMA, in close cooperation with EBA, shall, where possible, facilitate and coordinate the development of cooperation arrangements between the competent authorities and the relevant supervisory authorities of third countries.
3. ESMA, in close cooperation with EBA, shall develop draft regulatory technical standards establishing a template document for cooperation arrangements referred to in paragraph 1 for use by competent authorities of Member States where possible.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

4. ESMA, in close cooperation with EBA, shall also, where possible, facilitate and coordinate the exchange between competent authorities of information obtained from supervisory authorities of third countries that might be relevant for taking measures under Chapter 3 of this Title.
5. The competent authorities shall conclude cooperation arrangements on exchange of information with the supervisory authorities of third countries only where the information disclosed is subject to guarantees of professional secrecy that are at least equivalent to those set out in Article 100. Such exchange of information shall be intended for the performance of the tasks under this Regulation of those competent authorities.

Article 108

Complaints-handling by competent authorities

1. Competent authorities shall set up procedures that allow clients and other interested parties, including consumer associations, to submit complaints to them with regard to alleged infringements of this Regulation by offerors, persons seeking admission to trading, issuers of asset-referenced tokens or e-money tokens, or crypto-asset service providers. Complaints shall be accepted in writing, including electronically, and in an official language of the Member State in which the complaint is submitted, or in a language accepted by the competent authorities of that Member State.
2. Information on the complaints-handling procedures referred to in paragraph 1 of this Article shall be made available on the website of each competent authority and communicated to EBA and ESMA. ESMA shall publish hyperlinks to the sections of the websites of the competent authorities related to complaints-handling procedures in its crypto-asset register referred to in Article 109.

Chapter 2

ESMA register

Article 109

Register of crypto-asset white papers, of issuers of asset-referenced tokens and e-money tokens, and of crypto-asset service providers

1. ESMA shall establish a register of:
 - (a) crypto-asset white papers for crypto-assets other than asset-referenced tokens and e-money tokens;
 - (b) issuers of asset-referenced tokens;
 - (c) issuers of e-money tokens; and
 - (d) crypto-asset service providers.

ESMA's register shall be publicly available on its website and shall be updated on a regular basis. In order to facilitate such updating, the competent authorities shall communicate to ESMA any changes notified to them regarding the information specified in paragraphs 2 to 5.

The competent authorities shall provide ESMA with the data necessary for the classification of crypto-asset white papers in the register, as specified in accordance with paragraph 8.

2. As regards crypto-asset white papers for crypto-assets other than asset-referenced tokens or e-money tokens, the register shall contain the crypto-asset white papers and any modified crypto-asset white papers. Any out-of-date versions of the crypto-asset white papers shall be kept in a separate archive and be clearly marked as out-of-date versions.
3. As regards issuers of asset-referenced tokens, the register shall contain the following information:
 - (a) the name, legal form and legal entity identifier of the issuer;
 - (b) the commercial name, physical address, telephone number, e-mail and website of the issuer;
 - (c) the crypto-asset white papers and any modified crypto-asset white papers, with the out-of-date versions of the crypto-asset white paper kept in a separate archive and clearly marked as out-of-date;
 - (d) the list of host Member States where the applicant issuer intends to offer an asset-referenced token to the public or intends to seek admission to trading of the asset-referenced tokens;

- (e) the starting date, or, if not available at the time of the notification by the competent authority, the intended starting date, of the offer to the public or the admission to trading;
- (f) any other services provided by the issuer not covered by this Regulation, with a reference to the applicable Union or national law;
- (g) the date of authorisation to offer to the public or seek the admission to trading of an asset-referenced token or of authorisation as a credit institution and, where applicable, of withdrawal of either authorisation.

4. As regards issuers of e-money tokens, the register shall contain the following information:

- (a) the name, legal form and legal entity identifier of the issuer;
- (b) the commercial name, physical address, telephone number, e-mail and website of the issuer;
- (c) the crypto-asset white papers and any modified crypto-asset white papers, with the out-of-date versions of the crypto-asset white paper kept in a separate archive and clearly marked as out-of-date;
- (d) the starting date, or, if not available at the time of the notification by the competent authority, the intended starting date, of the offer to the public or the admission to trading;

- (e) any other services provided by the issuer not covered by this Regulation, with a reference to the applicable Union or national law;
- (f) the date of authorisation as a credit institution or as an electronic money institution and, where applicable, of withdrawal of that authorisation.

5. As regards crypto-asset service providers, the register shall contain the following information:

- (a) the name, legal form and legal entity identifier of the crypto-asset service provider and, where applicable, of the branches of the crypto-asset service provider;
- (b) the commercial name, physical address, telephone number, e-mail and website of the crypto-asset service provider and, where applicable, of the trading platform for crypto-assets operated by the crypto-asset service provider;
- (c) the name and address of the competent authority that granted authorisation and its contact details;
- (d) the list of crypto-asset services provided by the crypto-asset service provider;
- (e) the list of host Member States in which the crypto-asset service provider intends to provide crypto-asset services;

- (f) the starting date, or, if not available at the time of the notification by the competent authority, the intended starting date, of the provision of crypto-asset services;
 - (g) any other services provided by the crypto-asset service provider not covered by this Regulation with a reference to the applicable Union or national law;
 - (h) the date of authorisation and, where applicable, of the withdrawal of an authorisation.
6. Competent authorities shall notify ESMA without delay of the measures listed in Article 94(1), first subparagraph, point (b), (c), (f), (l), (m), (n), (o) or (t), and of any public precautionary measures taken pursuant to Article 102 affecting the provision of crypto-asset services or the issuance, offer to the public or use of crypto-assets. ESMA shall include such information in the register.
7. Any withdrawal of an authorisation of an issuer of an asset-referenced token, of an issuer of an e-money token, or of a crypto-asset service provider, and any measure notified in accordance with paragraph 6, shall remain published in the register for five years.
8. ESMA shall develop draft regulatory technical standards to further specify the data necessary for the classification, by type of crypto-asset, of crypto-asset white papers, including the legal entity identifiers, in the register and specify the practical arrangements to ensure that such data is machine-readable.

ESMA shall submit the draft regulatory technical standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Articles 10 to 14 of Regulation (EU) No 1095/2010.

Article 110

Register of non-compliant entities providing crypto-asset services

1. ESMA shall establish a non-exhaustive register of entities that provide crypto-asset services in violation of Article 59 or 61.
2. The register shall contain at least the commercial name or the website of a non-compliant entity and the name of the competent authority that submitted the information.
3. The register shall be publicly available on ESMA's website in a machine-readable format and shall be updated on a regular basis to take into account any changes of circumstances or any information that is brought to ESMA's attention concerning the registered non-compliant entities. The register shall enable centralised access to information submitted by competent authorities from the Member States or third countries, as well as by EBA.

4. ESMA shall update the register to include information on any case of infringement of this Regulation identified on its own initiative in accordance with Article 17 of Regulation (EU) No 1095/2010 in which it has adopted a decision under paragraph 6 of that Article addressed to a non-compliant entity providing crypto-asset services, or any information on entities providing crypto-asset services without the necessary authorisation or registration submitted by the relevant supervisory authorities of third countries.
5. In the cases referred to in paragraph 4 of this Article, ESMA may apply the relevant supervisory and investigative powers of competent authorities as referred to in Article 94(1) to non-compliant entities providing crypto-asset services.

Chapter 3

Administrative penalties and other administrative measures by competent authorities

Article 111

Administrative penalties and other administrative measures

1. Without prejudice to any criminal penalties and without prejudice to the supervisory and investigative powers of competent authorities listed in Article 94, Member States shall, in accordance with national law, provide for competent authorities to have the power to take appropriate administrative penalties and other administrative measures in relation to at least the following infringements:
 - (a) infringements of Articles 4 to 14;
 - (b) infringements of Articles 16, 17, 19, 22, 23, 25, Articles 27 to 41, Articles 46 and 47;
 - (c) infringements of Articles 48 to 51, Articles 53, 54 and 55;
 - (d) infringements of Articles 59, 60, 64 and Articles 65 to 83;

- (e) infringements of Articles 88 to 92;
- (f) failure to cooperate or to comply with an investigation, with an inspection or with a request as referred to in Article 94(3).

Member States may decide not to lay down rules for administrative penalties where the infringements referred to in the first subparagraph, point (a), (b), (c), (d) or (e), are already subject to criminal penalties in their national law by ...[12 months after the date of entry into force of this Regulation]. Where they so decide, Member States shall notify to the Commission, ESMA and to EBA, in detail, the relevant parts of their criminal law.

By ... [12 months after the date of entry into force of this Regulation], Member States shall notify to the Commission, EBA and ESMA, in detail, the rules referred to in the first and second subparagraphs. They shall also notify the Commission, ESMA and EBA without delay of any subsequent amendment thereto.

2. Member States shall, in accordance with their national law, ensure that competent authorities have the power to impose at least the following administrative penalties and other administrative measures in relation to the infringements referred to in paragraph 1, first subparagraph, points (a) to (d):
 - (a) a public statement indicating the natural or legal person responsible and the nature of the infringement;

- (b) an order requiring the natural or legal person responsible to cease the conduct constituting the infringement and to desist from a repetition of that conduct;
- (c) maximum administrative fines of at least twice the amount of the profits gained or losses avoided because of the infringement where those can be determined, even if it exceeds the maximum amounts set out in point (d) of this paragraph, as regards natural persons, or in paragraph 3 as regards legal persons;
- (d) in the case of a natural person, maximum administrative fines of at least EUR 700 000, or, in the Member States whose official currency is not the euro, the corresponding value in the official currency on ... [the date of entry into force of this Regulation].

3. Member States shall, in accordance with their national law, ensure that competent authorities have the power to impose, in relation to infringements committed by legal persons, maximum administrative fines of at least:

- (a) EUR 5 000 000, or, in the Member States whose official currency is not the euro, the corresponding value in the official currency on ... [the date of entry into force of this Regulation], for the infringements referred to in paragraph 1, first subparagraph, points (a) to (d);

- (b) 3 % of the total annual turnover of the legal person according to the last available financial statements approved by the management body, for the infringements referred to in paragraph 1, first subparagraph, point (a);
- (c) 5 % of the total annual turnover of the legal person according to the last available financial statements approved by the management body, for the infringements referred to in paragraph 1, first subparagraph, point (d);
- (d) 12,5 % of the total annual turnover of the legal person according to the last available financial statements approved by the management body, for the infringements referred to in paragraph 1, first subparagraph, points (b) and (c).

Where the legal person referred to in the first subparagraph, points (a) to (d), is a parent undertaking or a subsidiary of a parent undertaking which is required to prepare consolidated financial statements in accordance with Directive 2013/34/EU, the relevant total annual turnover shall be the total annual turnover or the corresponding type of income in accordance with applicable Union law in the field of accounting according to the last available consolidated accounts approved by the management body of the ultimate parent undertaking.

4. In addition to the administrative penalties and other administrative measures as well as administrative fines referred to in paragraphs 2 and 3, Member States shall, in accordance with their national law, ensure that competent authorities have the power to impose, in the event of infringements referred to in paragraph 1, first subparagraph, point (d), a temporary ban preventing any member of the management body of the crypto-asset service provider, or any other natural person who is held responsible for the infringement, from exercising management functions in a crypto-asset service provider.
5. Member States shall, in accordance with their national law, ensure that, in the event of the infringements referred to in paragraph 1, first subparagraph, point (e), competent authorities have the power to impose at least the following administrative penalties and to take at least the following administrative measures:
 - (a) a public statement indicating the natural or legal person responsible and the nature of the infringement;
 - (b) an order requiring the natural or legal person responsible to cease the conduct constituting the infringement and to desist from a repetition of that conduct;
 - (c) the disgorgement of the profits gained or losses avoided due to the infringement insofar as they can be determined;

- (d) withdrawal or suspension of the authorisation of a crypto-asset service provider;
- (e) a temporary ban of any member of the management body of the crypto-asset service provider, or any other natural person who is held responsible for the infringement, from exercising management functions in crypto-asset service providers;
- (f) in the event of a repeated infringement of Article 89, 90, 91 or 92, a ban of at least 10 years for any member of the management body of a crypto-asset service provider, or any other natural person who is held responsible for the infringement, from exercising management functions in a crypto-asset service provider;
- (g) a temporary ban of any member of the management body of a crypto-asset service provider or any other natural person who is held responsible for the infringement, from dealing on own account;
- (h) maximum administrative fines of at least three times the amount of the profits gained or losses avoided because of the infringement, where those can be determined, even if it exceeds the maximum amounts set out in point (i) or (j), as applicable;

- (i) in respect of a natural person, maximum administrative fines of at least EUR 1 000 000 for infringements of Article 88 and EUR 5 000 000 for infringements of Articles 89 to 92 or in the Member States whose official currency is not the euro, the corresponding value in the official currency on ... [the date of entry into force of this Regulation];
- (j) in respect of legal persons, maximum administrative fines of at least EUR 2 500 000 for infringements of Article 88 and EUR 15 000 000 for infringements of Articles 89 to 92, or 2 % for infringements of Article 88 and 15 % for infringements of Articles 89 to 92 of the total annual turnover of the legal person according to the last available accounts approved by the management body, or in the Member States whose official currency is not the euro, the corresponding value in the official currency on ... [the date of entry into force of this Regulation].

For the purpose of point (j) of the first subparagraph, where the legal person is a parent undertaking or a subsidiary of a parent undertaking which is required to prepare consolidated financial statements in accordance with Directive 2013/34/EU, the relevant total annual turnover shall be the total annual turnover or the corresponding type of income in accordance with applicable Union law in the field of accounting according to the last available consolidated accounts approved by the management body of the ultimate parent undertaking.

6. Member States may provide that competent authorities have powers in addition to those referred to in paragraphs 2 to 5 and may provide for higher levels of penalties than those established in those paragraphs, in respect of both natural and legal persons responsible for the infringement.

Article 112

Exercise of supervisory powers and powers to impose penalties

1. Competent authorities, when determining the type and level of an administrative penalty or other administrative measure to be imposed in accordance with Article 111, shall take into account all relevant circumstances, including, where appropriate:
 - (a) the gravity and the duration of the infringement;
 - (b) whether the infringement has been committed intentionally or negligently;
 - (c) the degree of responsibility of the natural or legal person responsible for the infringement;
 - (d) the financial strength of the natural or legal person responsible for the infringement, as indicated by the total turnover of the responsible legal person or the annual income and net assets of the responsible natural person;

- (e) the importance of the profits gained or losses avoided by the natural or legal person responsible for the infringement, insofar as those can be determined;
- (f) the losses for third parties caused by the infringement, insofar as those can be determined;
- (g) the level of cooperation of the natural or legal person responsible for the infringement with the competent authority, without prejudice to the need to ensure disgorgement of profits gained or losses avoided by that person;
- (h) previous infringements of this Regulation by the natural or legal person responsible for the infringement;
- (i) measures taken by the person responsible for the infringement to prevent its repetition;
- (j) the impact of the infringement on the interests of holders of crypto-assets and clients of crypto-asset service providers, in particular retail holders.

2. In the exercise of their powers to impose administrative penalties and other administrative measures under Article 111, competent authorities shall cooperate closely to ensure that the exercise of their supervisory and investigative powers, and the administrative penalties and other administrative measures that they impose, are effective and appropriate. They shall coordinate their action in order to avoid duplication and overlaps when exercising their supervisory and investigative powers and when imposing administrative penalties and other administrative measures in cross-border cases.

Article 113

Right of appeal

1. Member States shall ensure that decisions taken by competent authorities under this Regulation are properly reasoned and subject to the right of appeal before a court. The right of appeal before a court shall also apply where, in respect of an application for authorisation which provides all of the required information, no decision is taken within six months of its submission.
2. Member States shall provide that one or more of the following bodies, as determined by national law, may, in the interests of consumers and in accordance with national law, take action before the courts or competent administrative bodies to ensure that this Regulation is applied:
 - (a) public bodies or their representatives;

- (b) consumer organisations having a legitimate interest in protecting holders of crypto-assets;
- (c) professional organisations having a legitimate interest in protecting their members.

Article 114

Publication of decisions

1. A decision imposing administrative penalties and other administrative measures for an infringement of this Regulation in accordance with Article 111 shall be published by competent authorities on their official websites without undue delay after the natural or legal person subject to that decision has been informed of that decision. The publication shall include at least information on the type and nature of the infringement and the identity of the natural or legal persons responsible. Decisions imposing measures that are of an investigatory nature need not be published.

2. Where the publication of the identity of the legal entities, or the identity or personal data of natural persons, is considered by the competent authority to be disproportionate following a case-by-case assessment conducted on the proportionality of the publication of such data, or where such publication would jeopardise an ongoing investigation, competent authorities shall take one of the following actions:
- (a) defer the publication of the decision to impose an administrative penalty or other administrative measure until the moment where the reasons for non-publication cease to exist;
 - (b) publish the decision to impose an administrative penalty or other administrative measure on an anonymous basis in a manner which is in conformity with national law, where such anonymous publication ensures the effective protection of the personal data concerned;
 - (c) not publish the decision to impose an administrative penalty or other administrative measure in the event that the options provided for in points (a) and (b) are considered insufficient to ensure:
 - (i) that the stability of financial markets is not jeopardised;
 - (ii) the proportionality of the publication of such a decision with regard to measures which are deemed to be of a minor nature.

In the case of a decision to publish an administrative penalty or other administrative measure on an anonymous basis, as referred to in the first subparagraph, point (b), the publication of the relevant data may be deferred for a reasonable period where it is foreseen that within that period the reasons for anonymous publication will cease to exist.

3. Where the decision to impose an administrative penalty or other administrative measure is under appeal before the relevant courts or administrative bodies, competent authorities shall publish, immediately, on their official website such information and any subsequent information on the outcome of such appeal. Moreover, any decision annulling a previous decision to impose administrative penalty or other administrative measure shall also be published.
4. Competent authorities shall ensure that any publication in accordance with this Article remains on their official website for a period of at least five years after its publication. Personal data contained in the publication shall be kept on the official website of the competent authority only for the period which is necessary in accordance with the applicable data protection rules.

Article 115

Reporting of administrative penalties

and other administrative measures to ESMA and EBA

1. The competent authority shall, on an annual basis, provide ESMA and EBA with aggregate information regarding all administrative penalties and other administrative measures imposed in accordance with Article 111. ESMA shall publish that information in an annual report.

Where Member States have, in accordance with Article 111(1), second subparagraph, laid down criminal penalties for the infringements of the provisions referred to therein, their competent authorities shall provide EBA and ESMA annually with anonymised and aggregated data regarding all relevant criminal investigations undertaken and criminal penalties imposed. ESMA shall publish data on criminal penalties imposed in an annual report.

2. Where the competent authority has disclosed administrative penalties, other administrative measures or criminal penalties to the public, it shall simultaneously report them to ESMA.

3. Competent authorities shall inform EBA and ESMA of all administrative penalties or other administrative measures imposed but not published, including any appeal in relation thereto and the outcome thereof. Member States shall ensure that competent authorities receive information and the final judgment in relation to any criminal penalty imposed and submit it to EBA and ESMA. ESMA shall maintain a central database of penalties and administrative measures communicated to it solely for the purposes of exchanging information between competent authorities. That database shall be only accessible to EBA, ESMA and the competent authorities and it shall be updated based on the information provided by the competent authorities.

Article 116

Reporting of infringements and protection of reporting persons

Directive (EU) 2019/1937 shall apply to the reporting of infringements of this Regulation and the protection of persons reporting such infringements.

Chapter 4

**Supervisory responsibilities of EBA with respect to
issuers of significant asset-referenced tokens
and significant e-money tokens and colleges of supervisors**

Article 117

*Supervisory responsibilities of EBA with respect to
issuers of significant asset-referenced tokens and issuers of significant e-money tokens*

1. Where an asset-referenced token has been classified as significant in accordance with Article 43 or 44, the issuer of such asset-referenced token shall carry out its activities under the supervision of EBA.

Without prejudice to the powers of national competent authorities under paragraph 2 of this Article, EBA shall exercise the powers of competent authorities conferred by Articles 22 to 25, 29, 33 Article 34(7) and (12), Article 35(3) and (5), Article 36(10) and Articles 41, 42, 46 and 47 as regards issuers of significant asset-referenced tokens.

2. Where an issuer of a significant asset-referenced token also provides crypto-asset services or issues crypto-assets that are not significant asset-referenced tokens, those services and activities shall remain under the supervision of the competent authority of the home Member State.
3. Where an asset-referenced token has been classified as significant in accordance with Article 43, EBA shall conduct a supervisory reassessment to ensure that the issuer complies with Title III.
4. Where an e-money token issued by an electronic money institution has been classified as significant in accordance with Article 56 or 57, EBA shall supervise the compliance of the issuer of such significant e-money token with Articles 55 and 58.

For the purposes of the supervision of compliance with Articles 55 and 58, EBA shall exercise the powers of the competent authorities conferred on them by Articles 22 and 23, Article 24(3), Article 35(3) and (5), Article 36(10) and Articles 46 and 47, as regards electronic money institutions issuing significant e-money tokens.

5. EBA shall exercise its supervisory powers as provided in paragraphs 1 to 4 in close cooperation with the other competent authorities responsible for supervising the issuer, in particular:
 - (a) the prudential supervisory authority, including, where applicable, the ECB under Regulation (EU) No 1024/2013;

- (b) relevant competent authorities under national law transposing Directive 2009/110/EC, where applicable;
- (c) the competent authorities referred to in Article 20(1).

Article 118

EBA crypto-asset committee

1. EBA shall create a permanent internal committee pursuant to Article 41 of Regulation (EU) No 1093/2010 for the purposes of preparing EBA's decisions to be taken in accordance with Article 44 thereof, including decisions relating to the supervisory tasks that have been conferred on EBA by this Regulation.
2. The crypto-asset committee may also prepare decisions in relation to draft regulatory technical standards and draft implementing technical standards relating to supervisory tasks that have been conferred on EBA by this Regulation.
3. EBA shall ensure that the crypto-asset committee performs only the activities referred to in paragraphs 1 and 2 and any other tasks necessary for the performance of its activities related to crypto-assets.

Article 119

Colleges for issuers of significant asset-referenced tokens and significant e-money tokens

1. Within 30 calendar days of a decision to classify an asset-referenced token or e-money token as significant pursuant to Article 43, 44, 56 or 57, as applicable, EBA shall establish, manage and chair a consultative supervisory college for each issuer of a significant asset-referenced token or of a significant e-money token, to facilitate the exercise of supervisory tasks and act as a vehicle for the coordination of supervisory activities under this Regulation.
2. A college referred to in paragraph 1 shall consist of:
 - (a) EBA;
 - (b) ESMA;
 - (c) the competent authorities of the home Member State where the issuer of the significant asset-referenced token or of the significant e-money token is established;
 - (d) the competent authorities of the most relevant crypto-asset service providers, credit institutions or investment firms ensuring the custody of the reserve assets in accordance with Article 37 or of the funds received in exchange of the significant e-money tokens;

- (e) where applicable, the competent authorities of the most relevant trading platforms for crypto-assets where the significant asset-referenced tokens or the significant e-money tokens are admitted to trading;
- (f) the competent authorities of the most relevant payment service providers providing payment services in relation to the significant e-money tokens;
- (g) where applicable, the competent authorities of the entities ensuring the functions as referred to in Article 34(5), first subparagraph, point (h);
- (h) where applicable, the competent authorities of the most relevant crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients in relation to the significant asset-referenced tokens or with the significant e-money tokens;
- (i) the ECB;
- (j) where the issuer of the significant asset-referenced token is established in a Member State whose official currency is not the euro, or where an official currency that is not the euro is referenced by the significant asset-referenced token, the central bank of that Member State;

- (k) where the issuer of the significant e-money token is established in a Member State whose official currency is not the euro, or where an official currency that is not the euro is referenced by the significant e-money token, the central bank of that Member State;
 - (l) competent authorities of Member States where the asset-referenced token or the e-money token is used at large scale, at their request;
 - (m) relevant supervisory authorities of third countries with which EBA has concluded administrative agreements in accordance with Article 126.
3. EBA may invite other authorities to be members of the college referred to in paragraph 1 where the entities they supervise are relevant to the work of the college.
 4. The competent authority of a Member State which is not a member of the college may request from the college any information relevant for the performance of its supervisory duties under this Regulation.
 5. A college referred to in paragraph 1 of this Article shall, without prejudice to the responsibilities of competent authorities under this Regulation, ensure:
 - (a) the preparation of the non-binding opinion referred to in Article 120;

- (b) the exchange of information in accordance with this Regulation;
- (c) agreement on the voluntary entrustment of tasks among its members.

In order to facilitate the performance of the tasks assigned to colleges pursuant to the first subparagraph of this paragraph, the members of the college referred to in paragraph 2 shall be entitled to contribute to the setting of the agenda of the college meetings, in particular by adding points to the agenda of a meeting.

6. The establishment and functioning of the college referred to in paragraph 1 shall be based on a written agreement between all of its members.

The agreement referred to in the first subparagraph shall determine the practical arrangements for the functioning of the college, including detailed rules on:

- (a) voting procedures as referred in Article 120(3);
- (b) the procedures for setting the agenda of college meetings;
- (c) the frequency of the college meetings;
- (d) the appropriate minimum timeframes for the assessment of the relevant documentation by the members of the college;

- (e) the modalities of communication between the members of the college;
- (f) the creation of several colleges, one for each specific crypto-asset or group of crypto-assets.

The agreement may also determine tasks to be entrusted to EBA or another member of the college.

7. As chair of each college, EBA shall:

- (a) establish written arrangements and procedures for the functioning of the college, after consulting the other members of the college;
- (b) coordinate all activities of the college;
- (c) convene and chair all its meetings and keep the members of the college fully informed in advance of the organisation of meetings of the college, of the main issues to be discussed and of the items to be considered;
- (d) notify the members of the college of any planned meetings so that they can request to participate;
- (e) keep the members of the college informed, in a timely manner, of the decisions and outcomes of those meetings.

8. In order to ensure the consistent and coherent functioning of colleges, EBA, in cooperation with ESMA and the ECB, shall develop draft regulatory standards specifying:

- (a) the conditions under which the entities referred to in paragraph 2, points (d), (e), (f) and (h), are to be considered the most relevant;
- (b) the conditions under which it is considered that asset-referenced tokens or e-money tokens are used at large scale, as referred to in paragraph 2, point (l); and
- (c) the details of the practical arrangements referred to in paragraph 6.

EBA shall submit the draft regulatory standards referred to in the first subparagraph to the Commission by ... [12 months after the date of entry into force of this Regulation].

Power is delegated to the Commission to supplement this Regulation by adopting the regulatory technical standards referred to in the first subparagraph of this paragraph in accordance with Article 10 to 14 of Regulation (EU) No 1093/2010.

Article 120

Non-binding opinions of the colleges

for issuers of significant asset-referenced tokens and significant e-money tokens

1. A college referred to in Article 119(1) may issue a non-binding opinion on the following:
 - (a) the supervisory reassessment as referred to in Article 117(3);
 - (b) any decision to require an issuer of a significant asset-referenced token or a significant e-money token to hold a higher amount of own funds in accordance with Article 35(2), (3) and (5), Article 45(5) and Article 58(1), as applicable;
 - (c) any update of the recovery plan or redemption plan of an issuer of a significant asset-referenced token or an issuer of a significant e-money token pursuant to Articles 46, 47 and 55, as applicable;
 - (d) any change of the business model of an issuer of a significant asset-referenced token pursuant to Article 25(1);
 - (e) a draft modified crypto-asset white paper drawn up in accordance with Article 25(2);
 - (f) any envisaged appropriate corrective measures pursuant to Article 25(4);

- (g) any envisaged supervisory measures pursuant to Article 130;
 - (h) any envisaged administrative agreement on the exchange of information with a supervisory authority of a third-country in accordance with Article 126;
 - (i) any delegation of supervisory tasks from EBA to a competent authority pursuant to Article 138;
 - (j) any envisaged change in the authorisation of, or any envisaged supervisory measure on, the members of the college referred to in Article 119(2), points (d) to (h);
 - (k) a draft modified crypto-asset white paper drawn up in accordance with Article 51(12).
2. Where the college issues an opinion in accordance with paragraph 1, at the request of any member of the college and upon adoption by a majority of the college in accordance with paragraph 3, the opinion may include any recommendations aimed at addressing shortcomings of the measure envisaged by EBA or the competent authorities.
3. An opinion of the college shall be adopted based on a simple majority of its members.

Where there are several members of the college per Member State, only one of those members shall have a vote.

Where the ECB is a member of the college in several capacities, including supervisory capacities, it shall have only one vote.

Supervisory authorities of third countries referred to in Article 119(2), point (m), shall have no voting right in respect of an opinion of the college.

4. EBA or the competent authorities, as applicable, shall duly consider the non-binding opinion of the college reached in accordance with paragraph 3, including any recommendations aimed at addressing shortcomings of the supervisory measure envisaged in respect of an issuer of a significant asset-referenced token, an issuer of a significant e-money token, an entity or a crypto-asset service provider as referred to in Article 119(2), points (d) to (h). Where EBA or a competent authority does not agree with an opinion of the college, including any recommendations aimed at addressing shortcomings of the supervisory measure envisaged, its decision shall contain its reasons and an explanation for any significant deviation from that opinion or recommendations.

Chapter 5

EBA's powers and competences with respect to issuers of significant asset-referenced tokens and issuers of significant e-money tokens

Article 121

Legal privilege

The powers conferred on EBA by Articles 122 to 125, or on any official or other person authorised by EBA, shall not be used to require the disclosure of information which is subject to legal privilege.

Article 122

Request for information

1. In order to carry out its supervisory responsibilities under Article 117, EBA may by simple request or by decision require the following persons to provide all information necessary to enable EBA to carry out its duties under this Regulation:
 - (a) an issuer of a significant asset-referenced token or a person controlling or being directly or indirectly controlled by an issuer of a significant asset-referenced token;

- (b) a third party as referred to in Article 34(5), first subparagraph, point (h), with which an issuer of a significant asset-referenced token has a contractual arrangement;
- (c) a crypto-asset service provider, credit institution or investment firm ensuring the custody of the reserve assets in accordance with Article 37;
- (d) an issuer of a significant e-money token or a person controlling or being directly or indirectly controlled by an issuer of a significant e-money token;
- (e) a payment service provider that provides payment services in relation to significant e-money tokens;
- (f) a natural or legal person in charge of distributing significant e-money tokens on behalf of an issuer of significant e-money tokens;
- (g) a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients in relation to significant asset-referenced tokens or significant e-money tokens;
- (h) an operator of a trading platform for crypto-assets that has admitted to trading a significant asset-referenced token or a significant e-money token;
- (i) the management body of the persons referred to in points (a) to (h).

2. A simple request for information as referred to in paragraph 1 shall:
 - (a) refer to this Article as the legal basis of that request;
 - (b) state the purpose of the request;
 - (c) specify the information required;
 - (d) include a time limit within which the information is to be provided;
 - (e) inform the person from whom the information is requested that it is not obliged to provide the information but that, in the case of a voluntary reply to the request, the information provided is required to be correct and not misleading; and
 - (f) indicate the fine provided for in Article 131, where the answers to questions asked are incorrect or misleading.

3. When requiring the provision of information by decision pursuant to paragraph 1, EBA shall:
 - (a) refer to this Article as the legal basis of that request;
 - (b) state the purpose of the request;
 - (c) specify the information required;

- (d) set a time limit within which the information is to be provided;
 - (e) indicate the periodic penalty payments provided for in Article 132 where the production of information is required;
 - (f) indicate the fine provided for in Article 131, where the answers to questions asked are incorrect or misleading;
 - (g) indicate the right to appeal the decision before EBA's Board of Appeal and to have the decision reviewed by the Court of Justice in accordance with Articles 60 and 61 of Regulation (EU) No 1093/2010.
4. The persons referred to in paragraph 1 or their representatives and, in the case of legal persons or associations having no legal personality, the persons authorised to represent them by law, shall provide the information requested.
5. EBA shall without delay send a copy of the simple request or of its decision to the competent authority of the Member State where the persons concerned by the request for information are domiciled or established.

Article 123

General investigative powers

1. In order to carry out its supervisory responsibilities under Article 117, EBA may conduct investigations into issuers of significant asset-referenced tokens and issuers of significant e-money tokens. To that end, the officials and other persons authorised by EBA shall be empowered to:
 - (a) examine any records, data, procedures and any other material relevant to the execution of its tasks irrespective of the medium on which they are stored;
 - (b) take or obtain certified copies of or extracts from such records, data, procedures and other material;
 - (c) summon and ask any issuer of a significant asset-referenced token or issuer of a significant of e-money token, or their management body or staff, for oral or written explanations of facts or documents relating to the subject matter and purpose of the investigation and to record the answers;
 - (d) interview any other natural or legal person who consents to be interviewed for the purposes of collecting information relating to the subject matter of an investigation;

(e) request records of telephone and data traffic.

A college as referred to in Article 119(1) shall be informed without undue delay of any findings that might be relevant for the execution of its tasks.

2. The officials and other persons authorised by EBA for the purposes of the investigation referred to in paragraph 1 shall exercise their powers upon the production of a written authorisation specifying the subject matter and purpose of the investigation. That authorisation shall also indicate the periodic penalty payments provided for in Article 132 where the required records, data, procedures or any other material, or the answers to questions posed to issuers of significant asset-referenced tokens or issuers of significant e-money tokens, are not provided or are incomplete, and the fines provided for in Article 131, where the answers to questions posed to issuers of significant asset-referenced tokens or issuers of significant e-money tokens are incorrect or misleading.
3. The issuers of significant asset-referenced tokens and issuers of significant e-money tokens are required to submit to investigations launched based on a decision of EBA. The decision shall specify the subject matter and purpose of the investigation, the periodic penalty payments provided for in Article 132, the legal remedies available under Regulation (EU) No 1093/2010 and the right to have the decision reviewed by the Court of Justice.

4. Within a reasonable period before an investigation referred to in paragraph 1, EBA shall inform the competent authority of the Member State where the investigation is to be carried out of the investigation and of the identity of the authorised persons. Officials of the competent authority concerned shall, upon the request of EBA, assist those authorised persons in carrying out their duties. Officials of the competent authority concerned may also attend the investigations upon request.
5. If a request for records of telephone or data traffic referred to in paragraph 1, first subparagraph, point (e), requires authorisation from a court pursuant to applicable national law, EBA shall apply for such authorisation. Such authorisation may also be applied for as a precautionary measure.
6. Where a court in a Member State receives an application for the authorisation of a request for records of telephone or data traffic referred to in paragraph 1, first subparagraph, point (e), that court shall verify whether:
 - (a) the decision of EBA referred to in paragraph 3 is authentic;
 - (b) any measures to be taken are proportionate and not arbitrary or excessive.

7. For the purposes of paragraph 6, point (b), the court may ask EBA for detailed explanations, in particular relating to the grounds EBA has for suspecting that an infringement of this Regulation has taken place, the seriousness of the suspected infringement and the nature of the involvement of the person subject to the coercive measures. That court shall, however, not review the necessity for the investigation or demand that it be provided with the information on EBA's file. The lawfulness of EBA's decision shall be subject to review only by the Court of Justice following the procedure set out in Regulation (EU) No 1093/2010.

Article 124

On-site inspections

1. In order to carry out its supervisory responsibilities under Article 117, EBA may conduct all necessary on-site inspections at any business premises of the issuers of significant asset-referenced tokens and issuers of significant e-money tokens.

The college referred to in Article 119 shall be informed without undue delay of any findings that might be relevant for the execution of its tasks.

2. The officials and other persons authorised by EBA to conduct an on-site inspection may enter any business premises of the persons subject to an investigation decision adopted by EBA and shall have all of the powers provided for in Article 123(1). They shall also have the power to seal any business premises and books or records for the period of, and to the extent necessary for, the inspection.
3. In due time before the inspection, EBA shall give notice of the inspection to the competent authority of the Member State where the inspection is to be conducted. Where the proper conduct and efficiency of the inspection so require, EBA, after informing that competent authority, may carry out the on-site inspection without giving prior notice to the issuer of the significant asset-referenced token or the issuer of the significant e-money token.
4. The officials and other persons authorised by EBA to conduct an on-site inspection shall exercise their powers upon production of a written authorisation specifying the subject matter and purpose of the inspection and the periodic penalty payments provided for in Article 132 where the persons concerned do not submit to the inspection.
5. The issuer of the significant asset-referenced token or the issuer of the significant e-money token shall submit to on-site inspections ordered by a decision of EBA. The decision shall specify the subject matter and purpose of the inspection, appoint the date on which it is to begin and indicate the periodic penalty payments provided for in Article 132, the legal remedies available under Regulation (EU) No 1093/2010 as well as the right to have the decision reviewed by the Court of Justice.

6. Officials of, as well as those authorised or appointed by, the competent authority of the Member State where the inspection is to be conducted shall, at the request of EBA, actively assist the officials and other persons authorised by EBA. Officials of the competent authority of the Member State concerned may also attend the on-site inspections.
7. EBA may also require competent authorities to carry out specific investigatory tasks and on-site inspections as provided for in this Article and in Article 123(1) on its behalf.
8. Where the officials and other accompanying persons authorised by EBA find that a person opposes an inspection ordered pursuant to this Article, the competent authority of the Member State concerned shall afford them the necessary assistance, requesting, where appropriate, the assistance of the police or of an equivalent enforcement authority, so as to enable them to conduct their on-site inspection.
9. If the on-site inspection provided for in paragraph 1 or the assistance provided for in paragraph 7 requires authorisation by a court pursuant to national law, EBA shall make an application for such authorisation. Such authorisation may also be applied for as a precautionary measure.

10. Where a court in a Member State receives an application for the authorisation of an on-site inspection provided for in paragraph 1 or the assistance provided for in paragraph 7, that court shall verify whether:
 - (a) the decision adopted by EBA referred to in paragraph 4 is authentic;
 - (b) any measures to be taken are proportionate and not arbitrary or excessive.
11. For the purposes of paragraph 10, point (b), the court may ask EBA for detailed explanations, in particular relating to the grounds EBA has for suspecting that an infringement of this Regulation has taken place, the seriousness of the suspected infringement and the nature of the involvement of the person subject to the coercive measures. That court shall, however, not review the necessity for the investigation or demand that it be provided with the information on EBA's file. The lawfulness of EBA's decision shall be subject to review only by the Court of Justice following the procedure set out in Regulation (EU) No 1093/2010.

Article 125
Exchange of information

1. In order to carry out EBA’s supervisory responsibilities under Article 117 and without prejudice to Article 96, EBA and the competent authorities shall provide each other with the information required for the purposes of carrying out their duties under this Regulation without undue delay. For that purpose, the competent authorities and EBA shall exchange any information related to:
 - (a) an issuer of a significant asset-referenced token or a person controlling or being directly or indirectly controlled by an issuer of a significant asset-referenced token;
 - (b) a third party as referred to in Article 34(5), first subparagraph, point (h), with which an issuer of a significant asset-referenced token has a contractual arrangement;
 - (c) a crypto-asset service provider, credit institution or investment firm ensuring the custody of the reserve assets in accordance with Article 37;
 - (d) an issuer of a significant e-money token or a person controlling or being directly or indirectly controlled by an issuer of a significant e-money token;
 - (e) a payment service provider that provides payment services in relation to significant e-money tokens;

- (f) a natural or legal person in charge of distributing significant e-money tokens on behalf of the issuer of significant e-money tokens;
- (g) a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients, in relation to significant asset-referenced tokens or significant e-money tokens;
- (h) a trading platform for crypto-assets on which a significant asset-referenced token or a significant e-money token has been admitted to trading;
- (i) the management body of the persons referred to in points (a) to (h).

2. A competent authority may refuse to act on a request to exchange information as provided for in paragraph 1 of this Article or a request for cooperation in carrying out an investigation or an on-site inspection as provided for in Articles 123 and 124, respectively, only where:

- (a) complying with the request is likely to adversely affect its own investigation, enforcement activities or, where applicable, criminal investigation;
- (b) judicial proceedings have already been initiated in respect of the same actions and against the same natural or legal persons before the courts of the Member State addressed;

- (c) a final judgment has already been delivered in relation to such natural or legal person for the same actions in the Member State addressed.

Article 126

*Administrative agreements on the exchange of information
between EBA and third countries*

1. In order to carry out its supervisory responsibilities under Article 117, EBA may conclude administrative agreements on the exchange of information with the supervisory authorities of third countries only if the information disclosed is subject to guarantees of professional secrecy which are at least equivalent to those set out in Article 129.
2. The exchange of information shall be intended for the performance of the tasks of EBA or of the supervisory authorities referred to in paragraph 1.
3. With regard to transfers of personal data to a third country, EBA shall apply Regulation (EU) 2018/1725.

Article 127

Disclosure of information from third countries

1. EBA may disclose information received from supervisory authorities of third countries only where EBA or the competent authority that provided the information to EBA has obtained the express agreement of the supervisory authority of a third country that has transmitted the information and, where applicable, the information is disclosed only for the purposes for which that supervisory authority gave its agreement or where such disclosure is necessary for judicial proceedings.
2. The requirement for an express agreement as referred to in paragraph 1 shall not apply to other supervisory authorities of the Union where the information requested by them is needed for the fulfilment of their tasks and shall not apply to courts where the information requested by them is needed for investigations or proceedings in respect of infringements subject to criminal penalties.

Article 128

Cooperation with other authorities

Where an issuer of a significant asset-referenced token or an issuer of a significant e-money token engages in activities other than those covered by this Regulation, EBA shall cooperate with the authorities responsible for the supervision of such other activities as provided for in the relevant Union or national law, including tax authorities and relevant supervisory authorities of third countries that are not members of the college as referred to in Article 119(2), point (m).

Article 129

Professional secrecy

The obligation of professional secrecy shall apply to EBA and all persons who work or who have worked for EBA as well as for any other person to whom EBA has delegated tasks, including auditors and experts contracted by EBA.

Article 130

Supervisory measures by EBA

1. Where EBA finds that an issuer of a significant asset-referenced token has committed an infringement as listed in Annex V, it may take one or more of the following measures:
 - (a) adopt a decision requiring the issuer of the significant asset-referenced token to cease the conduct constituting the infringement;
 - (b) adopt a decision imposing fines or periodic penalty payments pursuant to Articles 131 and 132;
 - (c) adopt a decision requiring the issuer of the significant asset-referenced token to transmit supplementary information, where necessary for the protection of holders of the asset-referenced token, in particular retail holders;
 - (d) adopt a decision requiring the issuer of the significant asset-referenced token to suspend an offer to the public of crypto-assets for a maximum period of 30 consecutive working days on any single occasion where it has reasonable grounds for suspecting that this Regulation has been infringed;

- (e) adopt a decision prohibiting an offer to the public of the significant asset-referenced token where it finds that this Regulation has been infringed or where it has reasonable grounds for suspecting that it will be infringed;
- (f) adopt a decision requiring the crypto-asset service provider operating a trading platform for crypto-assets that has admitted to trading the significant asset-referenced token to suspend trading of such crypto-asset for a maximum of 30 consecutive working days on any single occasion where it has reasonable grounds for suspecting that this Regulation has been infringed;
- (g) adopt a decision prohibiting trading of the significant asset-referenced token on a trading platform for crypto-assets where it finds that this Regulation has been infringed;
- (h) adopt a decision requiring the issuer of the significant asset-referenced token to amend its marketing communications, where it finds that the marketing communications do not comply with Article 29;
- (i) adopt a decision to suspend or prohibit marketing communications where there are reasonable grounds for suspecting that this Regulation has been infringed;

- (j) adopt a decision requiring the issuer of the significant asset-referenced token to disclose all material information which might have an effect on the assessment of the significant asset-referenced token offered to the public or admitted to trading in order to ensure consumer protection or the smooth operation of the market;
- (k) issue warnings that the issuer of the significant asset-referenced token fails to fulfil its obligations under this Regulation;
- (l) withdraw the authorisation of the issuer of the significant asset-referenced token;
- (m) adopt a decision requiring the removal of a natural person from the management body of the issuer of the significant asset-referenced token;
- (n) require the issuer of the significant asset-referenced token under its supervision to introduce a minimum denomination amount in respect of that significant asset-referenced token or to limit the amount of the significant asset-referenced token issued, in accordance with Article 23(4) and Article 24(3).

2. Where EBA finds that an issuer of a significant e-money token has committed an infringement as listed in Annex VI, it may take one or more of the following measures:

- (a) adopt a decision requiring the issuer of the significant e-money token to cease the conduct constituting the infringement;

- (b) adopt a decision imposing fines or periodic penalty payments pursuant to Articles 131 and 132;
- (c) adopt a decision requiring the issuer of the significant e-money token to transmit supplementary information where necessary for the protection of holders of the significant e-money token, in particular retail holders;
- (d) adopt a decision requiring the issuer of the significant e-money token to suspend an offer to the public of crypto-assets for a maximum period of 30 consecutive working days on any single occasion where it has reasonable grounds for suspecting that this Regulation has been infringed;
- (e) adopt a decision prohibiting an offer to the public of the significant e-money token where it finds that this Regulation has been infringed or where it has reasonable grounds for suspecting that it will be infringed;
- (f) adopt a decision requiring the relevant crypto-asset service provider operating a trading platform for crypto-assets that has admitted to trading significant e-money tokens to suspend trading of such crypto-assets for a maximum of 30 consecutive working days on any single occasion where it has reasonable grounds for suspecting that this Regulation has been infringed;

- (g) adopt a decision prohibiting trading of significant e-money tokens on a trading platform for crypto-assets where it finds that this Regulation has been infringed;
 - (h) adopt a decision requiring the issuer of the significant e-money token to disclose all material information which might have an effect on the assessment of the significant e-money token offered to the public or admitted to trading in order to ensure consumer protection or the smooth operation of the market;
 - (i) issue warnings that the issuer of the significant e-money token fails to fulfil its obligations under this Regulation;
 - (j) require the issuer of the significant e-money token under its supervision to introduce a minimum denomination amount in respect of that significant e-money token or to limit the amount of the significant e-money token issued, as a result of the application of Article 58(3).
3. When taking the measures referred to in paragraph 1 or 2, EBA shall take into account the nature and seriousness of the infringement, having regard to:
- (a) the duration and frequency of the infringement;
 - (b) whether financial crime has been occasioned, facilitated or is otherwise attributable to the infringement;

- (c) whether the infringement has revealed serious or systemic weaknesses in the procedures, policies and risk management measures of the issuer of the significant asset-referenced token or the issuer of the significant e-money tokens;
- (d) whether the infringement has been committed intentionally or negligently;
- (e) the degree of responsibility of the issuer of the significant asset-referenced token or the issuer of the significant e-money token responsible for the infringement;
- (f) the financial strength of the issuer of the significant asset-referenced token, or of the issuer of the significant e-money token, responsible for the infringement, as indicated by the total turnover of the responsible legal person or the annual income and net assets of the responsible natural person;
- (g) the impact of the infringement on the interests of holders of significant asset-referenced tokens or significant e-money tokens;
- (h) the importance of the profits gained, losses avoided by the issuer of the significant asset-referenced token or significant e-money token responsible for the infringement or the losses for third parties caused by the infringement, insofar as they can be determined;

- (i) the level of cooperation of the issuer of the significant asset-referenced token or of the issuer of the significant e-money token responsible for the infringement with EBA, without prejudice to the need to ensure disgorgement of profits gained or losses avoided by that person;
 - (j) previous infringements by the issuer of the significant asset-referenced token or by the issuer of the e-money token responsible for the infringement;
 - (k) measures taken by the issuer of the significant asset-referenced token or by the issuer of the significant e-money token after the infringement to prevent the repetition of such an infringement.
4. Before taking any of the measures as referred to in paragraph 1, points (d) to (g), and point (j), EBA shall inform ESMA and, where the significant asset-referenced tokens are referencing the euro or an official currency of a Member State that is not the euro, the ECB or the central bank of the Member State concerned issuing that official currency, respectively.
5. Before taking any of the measures as referred to in paragraph 2, EBA shall inform the competent authority of the issuer of the significant e-money token and the central bank of the Member State whose official currency the significant e-money token is referencing.

6. EBA shall notify any measure taken pursuant to paragraph 1 or 2 to the issuer of the significant asset-referenced token or the issuer of the significant e-money token responsible for the infringement without undue delay and shall communicate that measure to the competent authorities concerned as well as to the Commission. EBA shall publicly disclose any such decision on its website within 10 working days of the date of adoption of such decision, unless such disclosure would seriously jeopardise financial stability or cause disproportionate damage to the parties involved. Such disclosure shall not contain personal data.
7. The disclosure to the public referred to in paragraph 6 shall include the following statements:
 - (a) a statement affirming the right of the person responsible for the infringement to appeal the decision before the Court of Justice;
 - (b) where relevant, a statement affirming that an appeal has been lodged and specifying that such an appeal does not have suspensive effect;
 - (c) a statement asserting that it is possible for EBA's Board of Appeal to suspend the application of the contested decision in accordance with Article 60(3) of Regulation (EU) No 1093/2010.

Article 131

Fines

1. EBA shall adopt a decision imposing a fine in accordance with paragraph 3 or 4 of this Article where, in accordance with Article 134(8), it finds that:
 - (a) an issuer of a significant asset-referenced token or a member of its management body has, intentionally or negligently, committed an infringement as listed in Annex V;
 - (b) an issuer of a significant e-money token or a member of its management body has, intentionally or negligently, committed an infringement as listed in Annex VI.

An infringement shall be considered to have been committed intentionally if EBA finds objective factors which demonstrate that such an issuer or a member of its management body acted deliberately to commit the infringement.

2. When adopting a decision as referred to in paragraph 1, EBA shall take into account the nature and seriousness of the infringement, having regard to:
 - (a) the duration and frequency of the infringement;
 - (b) whether financial crime has been occasioned, facilitated or is otherwise attributable to the infringement;

- (c) whether the infringement has revealed serious or systemic weaknesses in the issuer of the significant asset-referenced token's or in the issuer of the significant e-money token's procedures, policies and risk management measures;
- (d) whether the infringement has been committed intentionally or negligently;
- (e) the degree of responsibility of the issuer of the significant asset-referenced token or the issuer of the significant e-money token responsible for the infringement;
- (f) the financial strength of the issuer of the significant asset-referenced token, or of the issuer of the significant e-money token, responsible for the infringement, as indicated by the total turnover of the responsible legal person or the annual income and net assets of the responsible natural person;
- (g) the impact of the infringement on the interests of holders of significant asset-referenced tokens or significant e-money tokens;
- (h) the importance of the profits gained, losses avoided by the issuer of the significant asset-referenced token or the significant e-money token responsible for the infringement or the losses for third parties caused by the infringement, insofar as they can be determined;

- (i) the level of cooperation of the issuer of the significant asset-referenced token or of the issuer of the significant e-money token responsible for the infringement with EBA, without prejudice to the need to ensure disgorgement of profits gained or losses avoided by that person;
 - (j) previous infringements by the issuer of the significant asset-referenced token or by the issuer of the significant e-money token responsible for the infringement;
 - (k) measures taken by the issuer of the significant asset-referenced token or by the issuer of the significant e-money token after the infringement to prevent the repetition of such an infringement.
3. For issuers of significant asset-referenced tokens, the maximum amount of the fine referred to in paragraph 1 shall be up to 12,5 % of its annual turnover in the preceding business year, or twice the amount or profits gained or losses avoided because of the infringement where those can be determined.
4. For issuers of significant e-money tokens, the maximum amount of the fine referred to in paragraph 1 shall be up to 10 % of its annual turnover in the preceding business year, or twice the amount or profits gained or losses avoided because of the infringement where those can be determined.

Article 132
Periodic penalty payments

1. EBA shall adopt a decision imposing periodic penalty payments in order to compel:
 - (a) a person to cease the conduct constituting an infringement in accordance with a decision taken pursuant to Article 130;
 - (b) a person referred to in Article 122(1):
 - (i) to provide complete information which has been requested by a decision pursuant to Article 122;
 - (ii) to submit to an investigation and in particular to produce complete records, data, procedures or any other material required and to complete and correct other information provided in an investigation launched by a decision pursuant to Article 123;
 - (iii) to submit to an on-site inspection ordered by a decision taken pursuant to Article 124.
2. A periodic penalty payment shall be effective and proportionate. The periodic penalty payment shall be imposed for each day of delay.

3. Notwithstanding paragraph 2, the amount of the periodic penalty payments shall be 3 % of the average daily turnover in the preceding business year or, in the case of natural persons, 2 % of the average daily income in the preceding calendar year. It shall be calculated from the date set out in EBA's decision imposing the periodic penalty payment.
4. A periodic penalty payment shall be imposed for a maximum period of six months following the notification of EBA's decision. At the end of that period, EBA shall review the measure.

Article 133

Disclosure, nature, enforcement and allocation of fines and periodic penalty payments

1. EBA shall disclose to the public every fine and periodic penalty payment that has been imposed pursuant to Articles 131 and 132, unless such disclosure to the public would seriously jeopardise financial stability or cause disproportionate damage to the parties involved. Such disclosure shall not contain personal data.
2. Fines and periodic penalty payments imposed pursuant to Articles 131 and 132 shall be of an administrative nature.

3. Fines and periodic penalty payments imposed pursuant to Articles 131 and 132 shall be enforceable in accordance with the rules of civil procedure in force in the State in the territory of which the fine or periodic penalty payment is enforced.
4. The amounts of the fines and periodic penalty payments shall be allocated to the general budget of the Union.
5. Where, notwithstanding Articles 131 and 132, EBA decides not to impose fines or penalty payments, it shall inform the European Parliament, the Council, the Commission, and the competent authorities of the Member State concerned and shall set out the reasons for its decision.

Article 134

Procedural rules for taking supervisory measures and imposing fines

1. Where, in carrying out its supervisory responsibilities under Article 117, there are clear and demonstrable grounds to suspect that there has been or will be an infringement as listed in Annex V or VI, EBA shall appoint an independent investigation officer within EBA to investigate the matter. The investigation officer shall not be involved or have been directly or indirectly involved in the supervision of the issuers of significant asset-referenced tokens or issuers of significant e-money tokens concerned and shall perform its functions independently from EBA.

2. The investigation officer shall investigate the alleged infringements, taking into account any comments submitted by the persons who are subject to the investigation, and shall submit a complete file with the investigation officer's findings to EBA.
3. In order to carry out its tasks, the investigation officer may exercise the power to request information in accordance with Article 122 and the power to conduct investigations and on-site inspections in accordance with Articles 123 and 124. When using those powers, the investigation officer shall comply with Article 121.
4. Where carrying out its tasks, the investigation officer shall have access to all documents and information gathered by EBA in its supervisory activities.
5. Upon completion of its investigation and before submitting the file with its findings to EBA, the investigation officer shall give the persons subject to the investigation the opportunity to be heard on the matters being investigated. The investigation officer shall base its findings only on facts on which the persons concerned have had the opportunity to comment.
6. The rights of the defence of the persons concerned shall be fully respected during investigations under this Article.

7. When submitting the file with its findings to EBA, the investigation officer shall notify the persons who are subject to the investigation thereof. The persons subject to the investigation shall be entitled to have access to the file, subject to the legitimate interest of other persons in the protection of their business secrets. The right of access to the file shall not extend to confidential information affecting third parties or EBA's internal preparatory documents.
8. Based on the file containing the investigation officer's findings and, when requested by the persons subject to the investigation, after having heard those persons in accordance with Article 135, EBA shall decide whether an infringement as listed in Annex V or VI has been committed by the issuer of the significant asset-referenced token or the issuer of the significant e-money token subject to the investigation and, in such a case, shall take a supervisory measure in accordance with Article 130 or impose a fine in accordance with Article 131.
9. The investigation officer shall not participate in EBA's deliberations or in any other way intervene in EBA's decision-making process.

10. The Commission shall adopt delegated acts in accordance with Article 139 by ... [12 months after the date of entry into force of this Regulation] to supplement this Regulation by specifying further the procedural rules for the exercise of the power to impose fines or periodic penalty payments, including provisions on the rights of the defence, temporal provisions, the collection of fines or periodic penalty payments and the limitation periods for the imposition and enforcement of fines and periodic penalty payments.
11. EBA shall bring matters to the attention of the relevant national authorities for investigation and, where appropriate, criminal prosecution where, in carrying out its duties under this Regulation, it finds that there are serious indications of the possible existence of facts liable to constitute criminal offences. In addition, EBA shall refrain from imposing fines or periodic penalty payments where it is aware that a prior acquittal or conviction arising from an identical fact or facts which are substantially the same has already acquired the force of *res judicata* as a result of criminal proceedings under national law.

Article 135

Hearing of the persons concerned

1. Before taking any decision pursuant to Article 130, 131 or 132, EBA shall give the persons subject to an investigation the opportunity to be heard on its findings. EBA shall base its decisions only on findings on which the persons subject to such investigation have had an opportunity to comment.
2. Paragraph 1 shall not apply if urgent action is needed in order to prevent significant and imminent damage to financial stability or to the holders of crypto-assets, in particular retail holders. In such a case, EBA may adopt an interim decision and shall give the persons concerned the opportunity to be heard as soon as possible after taking its decision.
3. The rights of the defence of the persons subject to an investigation shall be fully respected. Those persons shall be entitled to have access to EBA's file, subject to the legitimate interest of other persons in the protection of their business secrets. The right of access to EBA's file shall not extend to confidential information or to EBA's internal preparatory documents.

Article 136
Review by the Court of Justice

The Court of Justice shall have unlimited jurisdiction to review decisions whereby EBA has imposed a fine, a periodic penalty payment or any administrative penalty or other administrative measure in accordance with this Regulation. It may annul, reduce or increase the fine or periodic penalty payment imposed.

Article 137
Supervisory fees

1. EBA shall charge fees to issuers of significant asset-referenced tokens and issuers of significant e-money tokens. Those fees shall cover EBA's expenditure for the execution of its supervisory tasks relating to issuers of significant asset-referenced tokens and issuers of significant e-money tokens in accordance with Articles 117 and 119, as well as the reimbursement of costs that the competent authorities might incur carrying out work under this Regulation, in particular as a result of any delegation of tasks in accordance with Article 138.
2. The amount of the fee charged to an individual issuer of a significant asset-referenced token shall be proportionate to the size of its reserve assets and shall cover all costs incurred by EBA for the performance of its supervisory tasks under this Regulation.

The amount of the fee charged to an individual issuer of a significant e-money token shall be proportionate to the size of issuance of the e-money token in exchange for funds and shall cover all costs derived from the execution of EBA's supervisory tasks under this Regulation, including the reimbursement of any costs incurred as a result of the execution of those tasks.

3. The Commission shall adopt a delegated act in accordance with Article 139 by ... [12 months after the date of entry into force of this Regulation] to supplement this Regulation by specifying further the type of fees, the matters for which fees are due, the amount of the fees and the manner in which they are to be paid and the methodology to calculate the maximum amount per entity referred to in paragraph 2 of this Article that can be charged by EBA.

Article 138

Delegation of tasks by EBA to competent authorities

1. Where necessary for the proper performance of a supervisory task in respect of issuers of significant asset-referenced tokens or issuers of significant e-money tokens, EBA may delegate specific supervisory tasks to a competent authority. Such specific supervisory tasks may include the power to carry out requests for information in accordance with Article 122 and to conduct investigations and on-site inspections in accordance with Article 123 or 124.

2. Before delegating a task as referred to in paragraph 1, EBA shall consult the relevant competent authority about:
 - (a) the scope of the task to be delegated;
 - (b) the timetable for the performance of the task; and
 - (c) the transmission of necessary information by and to EBA.
3. In accordance with the delegated act on fees adopted by the Commission pursuant to Article 137(3) and Article 139, EBA shall reimburse a competent authority for the costs incurred as a result of carrying out delegated tasks.
4. EBA shall review the delegation of tasks at appropriate intervals. Such delegation may be revoked at any time.

TITLE VIII

DELEGATED ACTS

Article 139

Exercise of the delegation

1. The power to adopt delegated acts is conferred on the Commission subject to the conditions laid down in this Article.

2. The power to adopt delegated acts referred to in Articles 3(2), 43(11), 103(8), 104(8), 105(7), 134(10) and 137(3) shall be conferred on the Commission for a period of 36 months from ... [date of entry into force of this Regulation]. The Commission shall draw up a report in respect of the delegation of power not later than nine months before the end of the 36-month period. The delegation of power shall be tacitly extended for periods of an identical duration, unless the European Parliament or the Council opposes such extension not later than three months before the end of each period.

3. The delegation of powers referred to in Articles 3(2), 43(11), 103(8), 104(8), 105(7), 134(10) and 137(3) may be revoked at any time by the European Parliament or by the Council. A decision to revoke shall put an end to the delegation of the power specified in that decision. It shall take effect the day following the publication of the decision in the *Official Journal of the European Union* or at a later date specified therein. It shall not affect the validity of any delegated acts already in force.
4. Before adopting a delegated act, the Commission shall consult experts designated by each Member State in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making.
5. As soon as it adopts a delegated act, the Commission shall notify it simultaneously to the European Parliament and to the Council.
6. A delegated act adopted pursuant to Articles 3(2), 43(11), 103(8), 104(8), 105(7), 134(10) and 137(3) shall enter into force only if no objection has been expressed either by the European Parliament or by the Council within a period of three months of notification of that act to the European Parliament and to the Council or if, before the expiry of that period, the European Parliament and the Council have both informed the Commission that they will not object. That period shall be extended by three months on the initiative of the European Parliament or of the Council.

TITLE IX

TRANSITIONAL AND FINAL PROVISIONS

Article 140

Reports on the application of this Regulation

1. By ... [48 months after the date of entry into force of this Regulation], having consulted EBA and ESMA, the Commission shall present a report to the European Parliament and the Council on the application of this Regulation accompanied, where appropriate, by a legislative proposal. An interim report shall be presented by ... [24 months after the date of entry into force of this Regulation], accompanied, where appropriate, by a legislative proposal.
2. The reports referred to in paragraph 1 shall contain the following:
 - (a) the number of issuances of crypto-assets in the Union, the number of crypto-asset white papers submitted or notified to the competent authorities, the type of crypto-assets issued and their market capitalisation and the number of crypto-assets admitted to trading;

- (b) a description of the experience with the classification of crypto-assets including possible divergences in approaches by competent authorities;
- (c) an assessment of the necessity of the introduction of an approval mechanism for crypto-asset white papers for crypto-assets other than asset-referenced tokens and e-money tokens;
- (d) an estimate of the number of Union residents using or investing in crypto-assets issued in the Union;
- (e) where possible, an estimate of the number of Union residents using or investing in crypto-assets issued outside the Union and an explanation of the availability of data in that respect;
- (f) the number and value of fraud, scams, hacks, the use of crypto-assets for payments related to ransomware attacks, cyber-attacks, thefts or losses of crypto-assets reported in the Union, types of fraudulent behaviour, the number of complaints received by crypto-asset service providers and issuers of asset-referenced tokens, the number of complaints received by competent authorities and the subjects of the complaints received;
- (g) the number of issuers of asset-referenced tokens and an analysis of the categories of reserve assets, the size of the reserves of assets and the volume of payments made in asset-referenced tokens;

- (h) the number of issuers of significant asset-referenced tokens and an analysis of the categories of reserve assets, the size of the reserves of assets and the volume of payments made in significant asset-referenced tokens;
- (i) the number of issuers of e-money tokens and an analysis of the official currencies referenced by the e-money tokens, the composition and the size of the funds deposited or invested in accordance with Article 54 and the volume of payments made in e-money tokens;
- (j) the number of issuers of significant e-money tokens and an analysis of the official currencies referenced by the significant e-money tokens and, for electronic money institutions issuing significant e-money tokens, an analysis of the categories of reserve assets, the size of the reserves of assets, and the volume of payments made in significant e-money tokens;
- (k) the number of significant crypto-asset service providers;
- (l) an assessment of the functioning of the markets in crypto-assets in the Union, including of market development and trends, taking into account the experience of the supervisory authorities, the number of authorised crypto-asset service providers and their respective average market share;

- (m) an assessment of the level of protection of holders of crypto-assets and clients of crypto-asset service providers, in particular retail holders;
- (n) an assessment of fraudulent marketing communications and scams involving crypto-assets occurring through social media networks;
- (o) an assessment of the requirements applicable to issuers of crypto-assets and crypto-asset service providers and their impact on operational resilience, market integrity, financial stability, and the protection of clients and holders of crypto-assets;
- (p) an evaluation of the application of Article 81 and of the possibility of introducing appropriateness tests in Articles 78, 79 and 80 in order to better protect clients of crypto-asset service providers, especially retail holders;
- (q) an assessment of whether the scope of crypto-asset services covered by this Regulation is appropriate and whether any adjustment to the definitions set out in this Regulation is needed, as well as whether any additional innovative crypto-asset forms need to be included in the scope of this Regulation;

- (r) an assessment of whether the prudential requirements for crypto-asset service providers are appropriate and whether they should be aligned with the requirements for initial capital and own funds applicable to investment firms under Regulation (EU) 2019/2033 of the European Parliament and of the Council¹ and Directive (EU) 2019/2034 of the European Parliament and of the Council²;
- (s) an assessment of the appropriateness of the thresholds to classify asset-referenced tokens and e-money tokens as significant as set out in Article 43(1), points (a), (b) and (c), and an assessment of whether the thresholds should be evaluated periodically;
- (t) an assessment of the development of decentralised finance in markets in crypto-assets and of the appropriate regulatory treatment of decentralised crypto-asset systems;
- (u) an assessment of the appropriateness of the thresholds to consider crypto-asset service providers as significant pursuant to Article 85, and an assessment of whether the thresholds should be evaluated periodically;

¹ Regulation (EU) 2019/2033 of the European Parliament and of the Council of 27 November 2019 on the prudential requirements of investment firms and amending Regulations (EU) No 1093/2010, (EU) No 575/2013, (EU) No 600/2014 and (EU) No 806/2014 (OJ L 314, 5.12.2019, p. 1).

² Directive (EU) 2019/2034 of the European Parliament and of the Council of 27 November 2019 on the prudential supervision of investment firms and amending Directives 2002/87/EC, 2009/65/EC, 2011/61/EU, 2013/36/EU, 2014/59/EU and 2014/65/EU (OJ L 314, 5.12.2019, p. 64).

- (v) an assessment of whether an equivalence regime should be established under this Regulation for entities providing crypto-asset services, issuers of asset-referenced tokens or issuers of e-money tokens from third countries;
- (w) an assessment of whether the exemptions under Articles 4 and 16 are appropriate;
- (x) an assessment of the impact of this Regulation on the proper functioning of the internal market with regard to crypto-assets, including any impact on the access to finance for SMEs and on the development of new means of payment, including payment instruments;
- (y) a description of developments in business models and technologies in markets in crypto-assets with a particular focus on the environmental and climate-related impact of new technologies, as well as an assessment of policy options and where necessary any additional measures that might be warranted to mitigate the adverse impacts on the climate and other environment-related adverse impacts of the technologies used in markets in crypto-assets and, in particular, of the consensus mechanisms used to validate crypto-asset transactions;
- (z) an appraisal of whether any changes are needed to the measures set out in this Regulation to ensure the protection of clients and holders of crypto-assets, market integrity and financial stability;

- (aa) the application of administrative penalties and other administrative measures;
- (ab) an evaluation of the cooperation between the competent authorities, EBA, ESMA, central banks, as well as other relevant authorities, including with regards to the interaction between their responsibilities or tasks, and an assessment of the advantages and disadvantages of the competent authorities of the Member States and EBA, respectively, being responsible for supervision under this Regulation;
- (ac) an evaluation of the cooperation between the competent authorities and ESMA regarding the supervision of significant crypto-asset service providers, and an assessment of the advantages and disadvantages of the competent authorities of the Member States and ESMA, respectively, being responsible for the supervision of significant crypto-asset service providers under this Regulation;
- (ad) the costs for issuers of crypto-assets other than asset-referenced tokens and e-money tokens, to comply with this Regulation as a percentage of the amount raised through crypto-asset issuances;
- (ae) the costs for issuers of asset-referenced tokens and issuers of e-money tokens to comply with this Regulation as a percentage of their operational costs;
- (af) the costs for crypto-asset service providers to comply with this Regulation as a percentage of their operational costs;

(ag) the number and amount of administrative fines and criminal penalties imposed for infringements of this Regulation by competent authorities and EBA.

3. Where applicable, the reports referred to in paragraph 1 of this Article shall also follow up on the topics addressed in the reports referred to in Articles 141 and 142.

Article 141

ESMA annual report on market developments

By ... [12 months after the date of application of this Regulation] and every year thereafter, ESMA, in close cooperation with EBA, shall submit a report to the European Parliament and to the Council on the application of this Regulation and developments in markets in crypto-assets. The report shall be made publicly available.

The report shall contain the following:

- (a) the number of issuances of crypto-assets in the Union, the number of crypto-asset white papers submitted or notified to the competent authorities, the type of crypto-asset issued and their market capitalisation, and the number of crypto-assets admitted to trading;
- (b) the number of issuers of asset-referenced tokens, and an analysis of the categories of reserve assets, the size of the reserves of assets and the volume of transactions in asset-referenced tokens;

- (c) the number of issuers of significant asset-referenced tokens, and an analysis of the categories of reserve assets, the size of the reserves of assets and the volume of transactions in significant asset-referenced tokens;
- (d) the number of issuers of e-money tokens, and an analysis of the official currencies referenced by the e-money tokens, the composition and the size of the funds deposited or invested in accordance with Article 54, and the volume of payments made in e-money tokens;
- (e) the number of issuers of significant e-money tokens, and an analysis of the official currencies referenced by the significant e-money tokens, and, for electronic money institutions issuing significant e-money tokens, an analysis of the categories of reserve assets, the size of the reserves of assets, and the volume of payments made in significant e-money tokens;
- (f) the number of crypto-asset service providers, and the number of significant crypto-asset service providers;
- (g) an estimate of the number of Union residents using or investing in crypto-assets issued in the Union;

- (h) where possible, an estimate of the number of Union residents using or investing in crypto-assets issued outside the Union and an explanation of the availability of data in that respect;
- (i) a mapping of the geographical location and level of know-your-customer and customer due diligence procedures of unauthorised exchanges providing services in crypto-assets to Union residents, including the number of exchanges without a clear domiciliation and the number of exchanges located in jurisdictions included in the list of high-risk third countries for the purposes of Union rules on anti-money laundering and counter-terrorist financing or in the list of non-cooperative jurisdictions for tax purposes, classified by the level of compliance with adequate know-your-customer procedures;
- (j) the proportion of transactions in crypto-assets that occur through a crypto-asset service provider or unauthorised service provider or peer-to-peer, and their transaction volume;
- (k) the number and value of fraud, scams, hacks, the use of crypto-assets for payments related to ransomware attacks, cyber-attacks, thefts or losses of crypto-assets reported in the Union, types of fraudulent behaviour, the number of complaints received by crypto-asset service providers and issuers of asset-referenced tokens, the number of complaints received by competent authorities and the subjects of the complaints received;

- (l) the number of complaints received by crypto-asset service providers, issuers and competent authorities in relation to false and misleading information contained in crypto-asset white papers or in marketing communications, including via social media platforms;
- (m) possible approaches and options, based on best practices and reports by relevant international organisations, to reduce the risk of circumvention of this Regulation, including in relation to the provision of crypto-asset services by third-country actors in the Union without authorisation.

Competent authorities shall provide ESMA with the information necessary for the preparation of the report. For the purposes of the report, ESMA may request information from law enforcement agencies.

Article 142

Report on latest developments in crypto-assets

1. By ... [18 months after the date of entry into force of this Regulation] and after consulting EBA and ESMA, the Commission shall present a report to the European Parliament and the Council on the latest developments with respect to crypto-assets, in particular on matters that are not addressed in this Regulation, accompanied, where appropriate, by a legislative proposal.

2. The report referred to in paragraph 1 shall contain at least the following:
- (a) an assessment of the development of decentralised-finance in markets in crypto-assets and of the appropriate regulatory treatment of decentralised crypto-asset systems without an issuer or crypto-asset service provider, including an assessment of the necessity and feasibility of regulating decentralised finance;
 - (b) an assessment of the necessity and feasibility of regulating lending and borrowing of crypto-assets;
 - (c) an assessment of the treatment of services associated to the transfer of e-money tokens, where not addressed in the context of the review of Directive (EU) 2015/2366;
 - (d) an assessment of the development of markets in unique and non-fungible crypto-assets and of the appropriate regulatory treatment of such crypto-assets, including an assessment of the necessity and feasibility of regulating offerors of unique and non-fungible crypto-assets as well as providers of services related to such crypto-assets.

Article 143
Transitional measures

1. Articles 4 to 15 shall not apply to offers to the public of crypto-assets that ended before ... [date of application of this Regulation].
2. By way of derogation from Title II, only the following requirements shall apply in relation to crypto-assets other than asset-referenced tokens and e-money tokens that were admitted to trading before ... [date of application of this Regulation]:
 - (a) Articles 7 and 9 shall apply to marketing communications published after ... [date of application of this Regulation];
 - (b) operators of trading platforms shall ensure by ... [36 months after the date of application of this Regulation] that a crypto-asset white paper, in the cases required by this Regulation, is drawn up, notified and published in accordance with Articles 6, 8 and 9 and updated in accordance with Article 12.
3. Crypto-asset service providers that provided their services in accordance with applicable law before ... [date of application of this Regulation], may continue to do so until ... [18 months after the date of application of this Regulation] or until they are granted or refused an authorisation pursuant to Article 63, whichever is sooner.

Member States may decide not to apply the transitional regime for crypto-asset service providers provided for in the first subparagraph or to reduce its duration where they consider that their national regulatory framework applicable before ... [date of application of this Regulation] is less strict than this Regulation.

By ... [12 months after the date of entry into force of this Regulation], Member States shall notify to the Commission and ESMA whether they have exercised the option provided for in the second subparagraph and the duration of the transitional regime.

4. Issuers of asset-referenced tokens other than credit institutions that issued asset-referenced tokens in accordance with applicable law before ... [12 months after the date of entry into force of this Regulation], may continue to do so until they are granted or refused an authorisation pursuant to Article 21, provided that they apply for authorisation before ... [13 months after the date of entry into force of this Regulation].
5. Credit institutions that issued asset-referenced tokens in accordance with applicable law before ... [12 months after the date of entry into force of this Regulation], may continue to do so until the crypto-asset white paper has been approved or has failed to be approved pursuant to Article 17 provided that they notify their competent authority pursuant to paragraph 1 of that Article before ... [13 months after the date of entry into force of this Regulation].

6. By way of derogation from Articles 62 and 63, Member States may apply a simplified procedure for applications for an authorisation that are submitted between ... [date of application of this Regulation] and ... [18 months after the date of application of this Regulation] by entities that on ... [date of application of this Regulation], were authorised under national law to provide crypto-asset services. The competent authorities shall ensure that Chapters 2 and 3 of Title V are complied with before granting authorisation pursuant to such simplified procedures.
7. EBA shall exercise its supervisory responsibilities pursuant to Article 117 from the date of application of the delegated acts referred to in Article 43(11).

Article 144
Amendment to Regulation (EU) No 1093/2010

In Article 1(2) of Regulation (EU) No 1093/2010, the first subparagraph is replaced by the following:

‘The Authority shall act within the powers conferred by this Regulation and within the scope of Directive 2002/87/EC, Directive 2008/48/EC^{*}, Directive 2009/110/EC, Regulation (EU) No 575/2013^{**}, Directive 2013/36/EU^{***}, Directive 2014/49/EU^{****}, Directive 2014/92/EU^{*****}, Directive (EU) 2015/2366^{*****}, Regulation (EU) 2023/...^{*****+} of the European Parliament and of the Council and, to the extent that those acts apply to credit and financial institutions and the competent authorities that supervise them, within the relevant parts of Directive 2002/65/EC, including all directives, regulations, and decisions based on those acts, and of any further legally binding Union act which confers tasks on the Authority. The Authority shall also act in accordance with Council Regulation (EU) No 1024/2013^{*****}.

^{*} Directive 2008/48/EC Of the European Parliament and of the Council of 23 April 2008 on credit agreements for consumers and repealing Council Directive 87/102/EEC (OJ L 133, 22.5.2008, p. 66).

⁺ OJ: Please insert in the text the number of the Regulation contained in document PE-CONS 54/22 (2020/0265(COD)) and insert the number, date, title and OJ reference of that Regulation in the footnote.

- ** Regulation (EU) No 575/2013 of the European Parliament and of the Council of 26 June 2013 on prudential requirements for credit institutions and amending Regulation (EU) No 648/2012 (OJ L 176, 27.6.2013, p. 1).
- *** Directive 2013/36/EU of the European Parliament and of the Council of 26 June 2013 on access to the activity of credit institutions and the prudential supervision of credit institutions, amending Directive 2002/87/EC and repealing Directives 2006/48/EC and 2006/49/EC (OJ L 176, 27.6.2013, p. 338).
- **** Directive 2014/49/EU of the European Parliament and of the Council of 16 April 2014 on deposit guarantee schemes (OJ L 173, 12.6.2014, p. 149).
- ***** Directive 2014/92/EU of the European Parliament and of the Council of 23 July 2014 on the comparability of fees related to payment accounts, payment account switching and access to payment accounts with basic features (OJ L 257, 28.8.2014, p. 214).
- ***** 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).
- ***** Regulation (EU) 2023/... of the European Parliament and of the Council of ... on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937 (OJ L ..., ..., p. ...).
- ***** Council Regulation (EU) No 1024/2013 of 15 October 2013 conferring specific tasks on the European Central Bank concerning policies relating to the prudential supervision of credit institutions (OJ L 287, 29.10.2013, p. 63).’.

Article 145

Amendment to Regulation (EU) No 1095/2010

In Article 1(2) of Regulation (EU) No 1095/2010, the first subparagraph is replaced by the following:

‘The Authority shall act within the powers conferred by this Regulation and within the scope of Directives 97/9/EC, 98/26/EC, 2001/34/EC, 2002/47/EC, 2004/109/EC, 2009/65/EC, Directive 2011/61/EU of the European Parliament and of the Council^{*}, Regulation (EC) No 1060/2009 and Directive 2014/65/EU of the European Parliament and of the Council^{**}, Regulation (EU) 2017/1129 of the European Parliament and of the Council^{***}, Regulation (EU) 2023/... of the European Parliament and of the Council^{****+} and to the extent that those acts apply to firms providing investment services or to collective investment undertakings marketing their units or shares, issuers or offerors of crypto-assets, persons seeking admission to trading or crypto-asset service providers and the competent authorities that supervise them, within the relevant parts of, Directives 2002/87/EC and 2002/65/EC, including all directives, regulations, and decisions based on those acts, and of any further legally binding Union act which confers tasks on the Authority.

* Directive 2011/61/EU of the European Parliament and of the Council of 8 June 2011 on Alternative Investment Fund Managers and amending Directives 2003/41/EC and 2009/65/EC and Regulations (EC) No 1060/2009 and (EU) No 1095/2010 (OJ L 174, 1.7.2011, p. 1).

+ OJ: Please insert in the text the number of the Regulation contained in document PE-CONS 54/22 (2020/0265(COD)) and insert the number, date, title and OJ reference of that Regulation in the footnote.

- ** 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).
- *** Regulation (EU) 2017/1129 of the European Parliament and of the Council of 14 June 2017 on the prospectus to be published when securities are offered to the public or admitted to trading on a regulated market, and repealing Directive 2003/71/EC (OJ L 168, 30.6.2017, p. 12).
- **** Regulation (EU) .../... of the European Parliament and of the Council of ... on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937 (OJ L ..., ..., p. ...).[?]

Article 146

Amendment to Directive 2013/36/EU

In Annex I to Directive 2013/36/EU, point 15 is replaced by the following:

- ‘15. Issuing electronic money including electronic-money tokens as defined in Article 3(1), point (7), of Regulation (EU) 2023/... of the European Parliament and of the Council^{**}.
16. Issuance of asset-referenced tokens as defined in Article 3(1), point (6), of Regulation (EU) 2023/...⁺⁺.
17. Crypto-asset services as defined in Article 3(1), point (16), of Regulation (EU) 2023/...⁺⁺.

⁺ OJ: Please insert in the text the number of the Regulation contained in document PE-CONS 54/22 (2020/0265(COD)) and insert the number, date, title and OJ reference of that Regulation in the footnote.

⁺⁺ OJ: Please insert in the text the number of the Regulation contained in document PE-CONS 54/22 (2020/0265(COD)).

* Regulation (EU) 2023/... of the European Parliament and of the Council of ... on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937 (OJ L ..., ..., p. ...).’.

Article 147

Amendment to Directive (EU) 2019/1937

In Part I.B of the Annex to Directive (EU) 2019/1937, the following point is added:

‘(xxii) Regulation (EU) 2023/... of the European Parliament and of the Council of ... on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937 (OJ L ...).’⁺.

Article 148

Transposition of amendments to Directives 2013/36/EU and (EU) 2019/1937

1. Member States shall adopt and publish, by ... [18 months after the date of entry into force of this Regulation], the laws, regulations and administrative provisions necessary to comply with Articles 146 and 147.

⁺ OJ: Please insert in the text the number, date and OJ reference of the Regulation contained in document PE-CONS 54/22 (2020/0265(COD)).

2. Member States shall communicate to the Commission, EBA and ESMA the text of the main measures of national law that they adopt in the field covered by Article 116.

Article 149

Entry into force and application

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. This Regulation shall apply from ... [18 months after the date of entry into force of this Regulation].
3. By way of derogation from paragraph 2, Titles III and IV shall apply from ... [12 months after the date of entry into force of this Regulation].

4. By way of derogation from paragraphs 2 and 3 of this Article, Articles 2(5), 3(2), 6(11) and (12), Article 14(1), second subparagraph, Articles 17(8), 18(6) and (7), 19(10) and (11), 21(3), 22(6) and (7), 31(5), 32(5), 34(13), 35(6), 36(4), 38(5), 42(4), 43(11), 45(7) and (8), 46(6), 47(5), 51(10) and (15), 60(13) and (14), 61(3), 62(5) and (6), 63(11), 66(6), 68(10), 71(5), 72(5), 76(16), 81(15), 82(2), 84(4), 88(4), 92(2) and (3), 95(10) and (11), 96(3), 97(1), 103(8), 104(8), 105(7), 107(3) and (4), 109(8) and 119(8), 134(10), 137(3) and Article 139 shall apply from ... [date of entry into force of this Regulation].

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

Done at Brussels,

For the European Parliament
The President

For the Council
The President

ANNEX I

Disclosure items for the crypto-asset white paper for crypto-assets
other than asset-referenced tokens or e-money tokens

Part A: Information about the offeror or the person seeking admission to trading

1. Name;
2. Legal form;
3. Registered address and head office, where different;
4. Date of the registration;
5. Legal entity identifier or another identifier required pursuant to applicable national law;
6. A contact telephone number and an email address of the offeror or the person seeking admission to trading, and the period of days within which an investor contacting the offeror or the person seeking admission to trading via that telephone number or email address will receive an answer;
7. Where applicable, the name of the parent company;

8. Identity, business addresses and functions of persons that are members of the management body of the offeror or person seeking admission to trading;
9. Business or professional activity of the offeror or person seeking admission to trading and, where applicable, of its parent company;
10. The financial condition of the offeror or person seeking admission to trading over the past three years or where the offeror or person seeking admission to trading has not been established for the past three years, its financial condition since the date of its registration.

The financial condition shall be assessed based on a fair review of the development and performance of the business of the offeror or person seeking admission to trading and of its position for each year and interim period for which historical financial information is required, including the causes of material changes.

The review shall be a balanced and comprehensive analysis of the development and performance of the business of the offeror or person seeking admission to trading and of its position, consistent with the size and complexity of the business.

Part B: Information about the issuer, if different from the offeror or person seeking admission to trading

1. Name;
2. Legal form;
3. Registered address and head office, where different;
4. Date of the registration;
5. Legal entity identifier or another identifier required pursuant to applicable national law;
6. Where applicable, the name of the parent company;
7. Identity, business addresses and functions of persons that are members of the management body of the issuer;
8. Business or professional activity of the issuer and, where applicable, of its parent company.

Part C: Information about the operator of the trading platform in cases where it draws up the crypto-asset white paper

1. Name;
2. Legal form;
3. Registered address and head office, where different;
4. Date of the registration;
5. Legal entity identifier or another identifier required pursuant to applicable national law;
6. Where applicable, the name of the parent company;
7. The reason why that operator drew up the crypto-asset white paper;
8. Identity, business addresses and functions of persons that are members of the management body of the operator;
9. Business or professional activity of the operator and, where applicable, of its parent company.

Part D: Information about the crypto-asset project

1. Name of the crypto-asset project and of the crypto-assets, if different from the name of the offeror or person seeking admission to trading, and abbreviation or ticker handler;
2. A brief description of the crypto-asset project;
3. Details of all natural or legal persons (including business addresses or domicile of the company) involved in the implementation of the crypto-asset project, such as advisors, development team and crypto-asset service providers;
4. Where the crypto-asset project concerns utility tokens, key features of the goods or services to be developed;
5. Information about the crypto-asset project, especially past and future milestones of the project and, where applicable, resources already allocated to the project;
6. Where applicable, planned use of any funds or other crypto-assets collected.

Part E: Information about the offer to the public of crypto-assets or their admission to trading

1. Indication as to whether the crypto-asset white paper concerns an offer to the public of crypto-assets or their admission to trading;
2. The reasons for the offer to the public or for seeking admission to trading;
3. Where applicable, the amount that the offer to the public intends to raise in funds or in any other crypto-asset, including, where applicable, any minimum and maximum target subscription goals set for the offer to the public of crypto-assets, and whether oversubscriptions are accepted and how they are allocated;
4. The issue price of the crypto-asset being offered to the public (in an official currency or any other crypto-assets), any applicable subscription fee or the method in accordance with which the offer price will be determined;
5. Where applicable, the total number of crypto-assets to be offered to the public or admitted to trading;
6. Indication of the prospective holders targeted by the offer to the public of crypto-assets or admission of such crypto-assets to trading, including any restriction as regards the type of holders for such crypto-assets;

7. Specific notice that purchasers participating in the offer to the public of crypto-assets will be able to be reimbursed if the minimum target subscription goal is not reached at the end of the offer to the public, if they exercise the right to withdrawal foreseen in Article 13 or if the offer is cancelled and detailed description of the refund mechanism, including the expected timeline of when such refunds will be completed;
8. Information about the various phases of the offer to the public of crypto-assets, including information on discounted purchase price for early purchasers of crypto-assets (pre-public sales); in the case of discounted purchase prices for some purchasers, an explanation why purchase prices may be different, and a description of the impact on the other investors;
9. For time-limited offers, the subscription period during which the offer to the public is open;
10. The arrangements to safeguard funds or other crypto-assets as referred to in Article 10 during the time-limited offer to the public or during the withdrawal period;
11. Methods of payment to purchase the crypto-assets offered and methods of transfer of the value to the purchasers when they are entitled to be reimbursed;
12. In the case of offers to the public, information on the right of withdrawal as referred to in Article 13;

13. Information on the manner and time schedule of transferring the purchased crypto-assets to the holders;
14. Information about technical requirements that the purchaser is required to fulfil to hold the crypto-assets;
15. Where applicable, the name of the crypto-asset service provider in charge of the placing of crypto-assets and the form of such placement (with or without a firm commitment basis);
16. Where applicable, the name of the trading platform for crypto-assets where admission to trading is sought, and information about how investors can access such trading platforms and the costs involved;
17. Expenses related to the offer to the public of crypto-assets;
18. Potential conflicts of interest of the persons involved in the offer to the public or admission to trading, arising in relation to the offer or admission to trading;
19. The law applicable to the offer to the public of crypto-assets, as well as the competent court.

Part F: Information about the crypto-assets

1. The type of crypto-asset that will be offered to the public or for which admission to trading is sought;
2. A description of the characteristics, including the data necessary for classification of the crypto-asset white paper in the register referred to in Article 109, as specified in accordance with paragraph 8 of that Article, and functionality of the crypto-assets being offered or admitted to trading, including information about when the functionalities are planned to apply.

Part G: Information on the rights and obligations attached to the crypto-assets

1. A description of the rights and obligations, if any, of the purchaser, and the procedure and conditions for the exercise of those rights;
2. A description of the conditions under which the rights and obligations may be modified;
3. Where applicable, information on the future offers to the public of crypto-assets by the issuer and the number of crypto-assets retained by the issuer itself;
4. Where the offer to the public of crypto-assets or their admission to trading concerns utility tokens, information about the quality and quantity of goods or services to which the utility tokens give access;

5. Where the offers to the public of crypto-assets or their admission to trading concerns utility tokens, information on how utility tokens can be redeemed for goods or services to which they relate;
6. Where an admission to trading is not sought, information on how and where the crypto-assets can be purchased or sold after the offer to the public;
7. Restrictions on the transferability of the crypto-assets that are being offered or admitted to trading;
8. Where the crypto-assets have protocols for the increase or decrease of their supply in response to changes in demand, a description of the functioning of such protocols;
9. Where applicable, a description of protection schemes protecting the value of the crypto-assets and of compensation schemes;
10. The law applicable to the crypto-assets, as well as the competent court.

Part H: Information on the underlying technology

1. Information on the technology used, including distributed ledger technology, protocols and technical standards used;
2. The consensus mechanism, where applicable;

3. Incentive mechanisms to secure transactions and any fees applicable;
4. Where the crypto-assets are issued, transferred and stored using distributed ledger technology that is operated by the issuer, the offeror or a third-party acting on their behalf, a detailed description of the functioning of such distributed ledger technology;
5. Information on the audit outcome of the technology used, if such an audit was conducted.

Part I: Information on the risks

1. A description of the risks associated with the offer to the public of crypto-assets or their admission to trading;
 2. A description of the risks associated with the issuer, if different from the offeror, or person seeking admission to trading;
 3. A description of the risks associated with the crypto-assets;
 4. A description of the risks associated with project implementation;
 5. A description of the risks associated with the technology used as well as mitigation measures, if any.
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ANNEX II

Disclosure items for the crypto-asset white paper for an asset-referenced token

Part A: Information about the issuer of the asset-referenced token

1. Name;
2. Legal form;
3. Registered address and head office, where different;
4. Date of the registration;
5. Legal entity identifier or another identifier required pursuant to applicable national law;
6. Where applicable, the identity of the parent company;
7. Identity, business addresses and functions of persons that are members of the management body of the issuer;
8. Business or professional activity of the issuer and, where applicable, of its parent company;

9. The financial condition of the issuer over the past three years or, where the issuer has not been established for the past three years, its financial condition since the date of its registration.

The financial condition shall be assessed based on a fair review of the development and performance of the business of the issuer and of its position for each year and interim period for which historical financial information is required, including the causes of material changes.

The review shall be a balanced and comprehensive analysis of the development and performance of the issuer's business and of its position, consistent with the size and complexity of the business.

10. A detailed description of the issuer's governance arrangements;
11. Except for issuers of asset-referenced tokens that are exempted from authorisation in accordance with Article 17, details about the authorisation as an issuer of an asset-referenced token and name of the competent authority which granted such authorisation.

For credit institutions, the name of the competent authority of the home Member State.

12. Where the issuer of the asset-referenced token also issues other crypto-assets, or also has activities related to other crypto-assets, that should be clearly stated; the issuer should also state whether there is any connection between the issuer and the entity running the distributed ledger technology used to issue the crypto-asset, including if the protocols are run or controlled by a person closely connected to the project participants.

Part B: Information about the asset-referenced token

1. Name and abbreviation or ticker handler of the asset-referenced token;
2. A description of the characteristics of the asset-referenced token, including the data necessary for classification of the crypto-asset white paper in the register referred to in Article 109, as specified in accordance with paragraph 8 of that Article;
3. Details of all natural or legal persons (including business addresses or domicile of the company) involved in the operationalisation of the asset-referenced token, such as advisors, development team and crypto-asset service providers;
4. A description of the role, responsibilities and accountability of any third-party entities referred to in Article 34(5), first subparagraph, point (h);
5. Information about the plans for the asset-referenced tokens, including the description of the past and future milestones and, where applicable, resources already allocated.

Part C: Information about the offer to the public of the asset-referenced token or its admission to trading

1. Indication as to whether the crypto-asset white paper concerns an offer to the public of the asset-referenced token or its admission to trading;
2. Where applicable, the amount that the offer to the public of the asset-referenced token intends to raise in funds or in any other crypto-asset, including, where applicable, any minimum and maximum target subscription goals set for the offer to the public of the asset-referenced token, and whether oversubscriptions are accepted and how they are allocated;
3. Where applicable, the total number of units of the asset-referenced token to be offered or admitted to trading;
4. Indication of the prospective holders targeted by the offer to the public of the asset-referenced token or admission of such asset-referenced token to trading, including any restriction as regards the type of holders for such asset-referenced token;

5. A specific notice that purchasers participating in the offer to the public of the asset-referenced token will be able to be reimbursed if the minimum target subscription goal is not reached at the end of the offer to the public, including the expected timeline of when such refunds will be completed; the consequences of exceeding a maximum target subscription goal should be made explicit;
6. Information about the various phases of the offer to the public of the asset-referenced token, including information on discounted purchase price for early purchasers of the asset-referenced token (pre-public sales) and, in the case of discounted purchase price for some purchasers, an explanation as to why the purchase prices may be different, and a description of the impact on the other investors;
7. For time-limited offers, the subscription period during which the offer to the public is open;
8. Methods of payment to purchase and to redeem the asset-referenced token offered;
9. Information on the method and time schedule of transferring the purchased asset-referenced token to the holders;
10. Information about technical requirements that the purchaser is required to fulfil to hold the asset-referenced token;

11. Where applicable, the name of the crypto-asset service provider in charge of the placing of asset-referenced tokens and the form of such placement (with or without a firm commitment basis);
12. Where applicable, the name of the trading platform for crypto-assets where admission to trading is sought, and information about how investors can access such trading platforms and the costs involved;
13. Expenses related to the offer to the public of the asset-referenced token;
14. Potential conflicts of interest of the persons involved in the offer to the public or admission to trading, arising in relation to the offer or admission to trading;
15. The law applicable to the offer to the public of the asset-referenced token, as well as the competent court.

Part D: Information on the rights and obligations attached to the asset-referenced token

1. A description of the characteristics and functionality of the asset-referenced token being offered or admitted to trading, including information about when the functionalities are planned to apply;
2. A description of the rights and obligations, if any, of the purchaser, and the procedure and conditions for the exercise of those rights;

3. A description of the conditions under which the rights and obligations may be modified;
4. Where applicable, information on the future offers to the public of the asset-referenced token by the issuer and the number of units of the asset-referenced token retained by the issuer itself;
5. Where an admission to trading is not sought, information on how and where the asset-referenced token can be purchased or sold after the offer to the public;
6. Any restrictions on the transferability of the asset-referenced token that is being offered or admitted to trading;
7. Where the asset-referenced token has protocols for the increase or decrease of its supply in response to changes in demand, a description of the functioning of such protocols;
8. Where applicable, a description of protection schemes protecting the value of the asset-referenced token and compensation schemes;
9. Information on the nature and enforceability of rights, including permanent rights of redemption and any claims that holders and any legal or natural person as referred to in Article 39(2), may have against the issuer, including information on how such rights will be treated in the case of insolvency procedures, information on whether different rights are allocated to different holders and the non-discriminatory reasons for such different treatment;

10. A detailed description of the claim that the asset-referenced token represents for holders, including:
 - (a) the description of each referenced asset and specified proportions of each of those assets;
 - (b) the relation between the value of the referenced assets and the amount of the claim and the reserve of assets; and
 - (c) a description how a fair and transparent valuation of components of the claim is undertaken, which identifies, where relevant, independent parties;
11. Where applicable, information on the arrangements put in place by the issuer to ensure the liquidity of the asset-referenced token, including the name of the entities in charge of ensuring such liquidity;
12. The contact details for submitting complaints and description of the complaints-handling procedures and any dispute resolution mechanism or redress procedure established by the issuer of the asset-referenced token;
13. A description of the rights of the holders when the issuer is not able to fulfil its obligations, including in insolvency;

14. A description of the rights in the context of the implementation of the recovery plan;
15. A description of the rights in the context of the implementation of the redemption plan;
16. Detailed information on how the asset-referenced token is redeemed, including whether the holder will be able to choose the form of redemption, the form of transference or the official currency of redemption;
17. The law applicable to the asset-referenced token, as well as the competent court.

Part E: Information on the underlying technology

1. Information on the technology used, including distributed ledger technology, as well as protocols and technical standards used, allowing for the holding, storing and transfer of asset-referenced tokens;
2. The consensus mechanism, where applicable;
3. Incentive mechanisms to secure transactions and any fees applicable;
4. Where the asset-referenced tokens are issued, transferred and stored using distributed ledger technology that is operated by the issuer or a third-party acting on the issuer's behalf, a detailed description of the functioning of such distributed ledger technology;
5. Information on the audit outcome of the technology used, if such an audit was conducted.

Part F: Information on the risks

1. The risks related to the reserve of assets, when the issuer is not able to fulfil its obligations;
2. A description of the risks associated with the issuer of the asset-referenced token;
3. A description of the risks associated with the offer to the public of the asset-referenced token or its admission to trading;
4. A description of the risks associated with the asset-referenced token, in particular with regard to the assets referenced;
5. A description of the risks associated with the operationalisation of the asset-referenced token project;
6. A description of the risks associated with the technology used as well as mitigation measures, if any.

Part G: Information on the reserve of assets

1. A detailed description of the mechanism aimed at aligning the value of the reserve of assets with the claim associated with the asset-referenced token, including legal and technical aspects;

2. A detailed description of the reserve of assets and their composition;
 3. A description of the mechanisms through which asset-referenced tokens are issued and redeemed;
 4. Information on whether a part of the reserve assets are invested and, where applicable, a description of the investment policy for those reserve assets;
 5. A description of the custody arrangements for the reserve assets, including their segregation, and the name of crypto-asset service providers providing custody and administration of crypto-assets on behalf of clients, credit institutions or investment firms appointed as custodians of the reserve assets.
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ANNEX III

Disclosure items for the crypto-asset white paper for an e-money token

Part A: Information about the issuer of the e-money token

1. Name;
2. Legal form;
3. Registered address and head office, where different;
4. Date of the registration;
5. Legal entity identifier or another identifier required pursuant to applicable national law;
6. A contact telephone number and an e-mail address of the issuer, and the period of days within which an investor contacting the issuer via that telephone number or email address will receive an answer;
7. Where applicable, the identity of the parent company;
8. Identity, business address and functions of persons that are members of the management body of the issuer;

9. Business or professional activity of the issuer and, where applicable, of its parent company;
10. Potential conflicts of interest;
11. Where the issuer of the e-money token also issues other crypto-assets, or also has other activities related to crypto-assets, that should be clearly stated; the issuer should also state whether there is any connection between the issuer and the entity running the distributed ledger technology used to issue the crypto-asset, including if the protocols are run or controlled by a person closely connected to project participants;
12. The issuer's financial condition over the past three years or, where the issuer has not been established for the past three years, the issuer's financial condition record since the date of its registration.

The financial condition shall be assessed based on a fair review of the development and performance of the business of the issuer and of its position for each year and interim period for which historical financial information is required, including the causes of material changes.

The review shall be a balanced and comprehensive analysis of the development and performance of the issuer's business and of its position, consistent with the size and complexity of the business;

13. Except for issuers of e-money tokens who are exempted from authorisation in accordance with Article 48(4) and (5), details about the authorisation as an issuer of an e-money token and the name of the competent authority which granted authorisation.

Part B: Information about the e-money token

1. Name and abbreviation;
2. A description of the characteristics of the e-money token, including the data necessary for classification of the crypto-asset white paper in the register referred to in Article 109, as specified in accordance with paragraph 8 of that Article;
3. Details of all natural or legal persons (including business addresses and/or domicile of the company) involved in the design and development, such as advisors, development team and crypto-asset service providers.

Part C: Information about the offer to the public of the e-money token or its admission to trading

1. Indication as to whether the crypto-asset white paper concerns an offer to the public of the e-money token or its admission to trading;
2. Where applicable, the total number of units of the e-money token to be offered to the public or admitted to trading;

3. Where applicable, name of the trading platforms for crypto-assets where the admission to trading of the e-money token is sought;
4. The law applicable to the offer to the public of the e-money token, as well as the competent court.

Part D: Information on the rights and obligations attached to e-money tokens

1. A detailed description of the rights and obligations, if any, that the holder of the e-money token has, including the right of redemption at par value as well as the procedure and conditions for the exercise of those rights;
2. A description of the conditions under which the rights and obligations may be modified;
3. A description of the rights of the holders when the issuer is not able to fulfil its obligations, including in insolvency;
4. A description of rights in the context of the implementation of the recovery plan;
5. A description of rights in the context of the implementation of the redemption plan;
6. The contact details for submitting complaints and description of the complaints-handling procedures and any dispute resolution mechanism or redress procedure established by the issuer of the e-money token;

7. Where applicable, a description of protection schemes protecting the value of the crypto-asset and of compensation schemes;
8. The law applicable to the e-money token as well as the competent court.

Part E: Information on the underlying technology

1. Information on the technology used, including distributed ledger technology, as well as the protocols and technical standards used, allowing for the holding, storing and transfer of e-money tokens;
2. Information about the technical requirements that the purchaser has to fulfil to gain control over the e-money token;
3. The consensus mechanism, where applicable;
4. Incentive mechanisms to secure transactions and any fees applicable;
5. Where the e-money token is issued, transferred and stored using distributed ledger technology that is operated by the issuer or a third-party acting on its behalf, a detailed description of the functioning of such distributed ledger technology;
6. Information on the audit outcome of the technology used, if such an audit was conducted.

Part F: Information on the risks

1. Description of the risks associated with the issuer of the e-money token;
 2. Description of the risks associated with the e-money token;
 3. Description of the risks associated with the technology used as well as mitigation measures, if any.
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ANNEX IV

Minimum capital requirements for crypto-asset service providers

Crypto-asset service providers	Type of crypto-asset services	Minimum capital requirements under Article 67(1), point (a)
Class 1	Crypto-asset service provider authorised for the following crypto-asset services: <ul style="list-style-type: none">– execution of orders on behalf of clients;– placing of crypto-assets;– providing transfer services for crypto-assets on behalf of clients;– reception and transmission of orders for crypto-assets on behalf of clients;– providing advice on crypto-assets; and/or– providing portfolio management on crypto-assets.	EUR 50 000
Class 2	Crypto-asset service provider authorised for any crypto-asset services under class 1 and: <ul style="list-style-type: none">– providing custody and administration of crypto-assets on behalf of clients;– exchange of crypto-assets for funds; and/or– exchange of crypto-assets for other crypto-assets.	EUR 125 000
Class 3	Crypto-asset service provider authorised for any crypto-asset services under class 2 and: <ul style="list-style-type: none">– operation of a trading platform for crypto-assets.	EUR 150 000

ANNEX V

List of infringements referred to in Titles III and VI for issuers of significant asset-referenced tokens

1. The issuer infringes Article 22(1) by not reporting, for each significant asset-referenced token with an issue value that is higher than EUR 100 000 000, on a quarterly basis to EBA the information referred to in the first subparagraph, points (a) to (d), of that paragraph.
2. The issuer infringes Article 23(1) by not stopping issuing a significant asset-referenced token upon reaching the thresholds provided for in that paragraph or by not submitting a plan to EBA within 40 working days of reaching those thresholds to ensure that the estimated quarterly average number and average aggregate value of the transactions per day are kept below those thresholds.
3. The issuer infringes Article 23(4) by not complying with the modifications of the plan referred to in paragraph 1, point (b), of that Article as required by EBA.
4. The issuer infringes Article 25 by not notifying EBA of any intended change of its business model likely to have a significant influence on the purchase decision of any holders or prospective holders of significant asset-referenced tokens, or by not describing such a change in a crypto-asset white paper.

5. The issuer infringes Article 25 by not complying with a measure requested by EBA in accordance with Article 25(4).
6. The issuer infringes Article 27(1) by not acting honestly, fairly and professionally.
7. The issuer infringes Article 27(1) by not communicating with holders and prospective holders of the significant asset-referenced token in a fair, clear and not misleading manner.
8. The issuer infringes Article 27(2) by not acting in the best interests of the holders of the significant asset-referenced token, or by giving preferential treatment to specific holders which is not disclosed in the issuer's crypto-asset white paper or, where applicable, the marketing communications.
9. The issuer infringes Article 28 by not publishing on its website the approved crypto-asset white paper as referred to in Article 21(1) and, where applicable, the modified crypto-asset white paper as referred to in Article 25.
10. The issuer infringes Article 28 by not making the crypto-asset white paper publicly accessible by the starting date of the offer to the public of the significant asset-referenced token or the admission to trading of that token.
11. The issuer infringes Article 28 by not ensuring that the crypto-asset white paper, and, where applicable, the modified crypto-asset white paper, remains available on its website for as long as the significant asset-referenced token is held by the public.

12. The issuer infringes Article 29(1) and (2) by publishing marketing communications relating to an offer to the public of a significant asset-referenced token, or to the admission to trading of such significant asset-referenced token, which do not comply with the requirements set out in paragraph 1, points (a) to (d), and paragraph 2 of that Article.
13. The issuer infringes Article 29(3) by not publishing marketing communications and any modifications thereto on its website.
14. The issuer infringes Article 29(5) by not notifying marketing communications to EBA upon request.
15. The issuer infringes Article 29(6) by disseminating marketing communications prior to the publication of the crypto-asset white paper.
16. The issuer infringes Article 30(1) by not disclosing in a clear, accurate and transparent manner in a publicly and easily accessible place on its website the amount of the significant asset-referenced token in circulation and the value and composition of the reserve of assets referred to in Article 36, or by not updating the required information at least monthly.
17. The issuer infringes Article 30(2) by not publishing as soon as possible in a publicly and easily accessible place on its website a brief, clear, accurate and transparent summary of the audit report, as well as the full and unredacted audit report, in relation to the reserve of assets referred to in Article 36.

18. The issuer infringes Article 30(3) by not disclosing in a publicly and easily accessible place on its website in a clear, accurate and transparent manner as soon as possible any event that has or is likely to have a significant effect on the value of the significant asset-referenced token or on the reserve of assets referred to in Article 36.
19. The issuer infringes Article 31(1) by not establishing and maintaining effective and transparent procedures for the prompt, fair and consistent handling of complaints received from holders of the significant asset-referenced token and other interested parties, including consumer associations that represent holders of the significant asset-referenced token, and by not publishing descriptions of those procedures, or, where the significant asset-referenced token is distributed, totally or partially, by third-party entities, by not establishing procedures to also facilitate the handling of complaints between holders and third-party entities as referred to in Article 34(5), first subparagraph, point (h).
20. The issuer infringes Article 31(2) by not enabling the holders of the significant asset-referenced token to file complaints free of charge.
21. The issuer infringes Article 31(3) by not developing and making available to the holders of the significant asset-referenced token a template for filing complaints and by not keeping a record of all complaints received and any measures taken in response to those complaints.
22. The issuer infringes Article 31(4), by not investigating all complaints in a timely and fair manner or by not communicating the outcome of such investigations to the holders of its significant asset-referenced token within a reasonable period.

23. The issuer infringes Article 32(1) by not implementing and maintaining effective policies and procedures to identify, prevent, manage and disclose conflicts of interest between the issuer itself and its shareholders or members, itself and any shareholder or member, whether direct or indirect, that has a qualifying holding in it, itself and the members of its management body, itself and its employees, itself and the holders of the significant asset-referenced token or itself and any third party providing one of the functions as referred in Article 34(5), first subparagraph, point (h).
24. The issuer infringes Article 32(2) by not taking all appropriate steps to identify, prevent, manage and disclose conflicts of interest arising from the management and investment of the reserve of assets referred to in Article 36.
25. The issuer infringes Article 32(3) and (4), by not disclosing, in a prominent place on its website, to the holders of the significant asset-referenced token the general nature and sources of conflicts of interest and the steps taken to mitigate those risks, or by not being sufficiently precise in the disclosure to enable the prospective holders of the significant asset-referenced token to take an informed purchasing decision about such token.
26. The issuer infringes Article 33 by not immediately notifying EBA of any changes to its management body or by not providing EBA with all necessary information to assess compliance with Article 34(2).

27. The issuer infringes Article 34(1) by not having robust governance arrangements, including a clear organisational structure with well-defined, transparent and consistent lines of responsibility, effective processes to identify, manage, monitor and report the risks to which it is or might be exposed, and adequate internal control mechanisms, including sound administrative and accounting procedures.
28. The issuer infringes Article 34(2) by having members of its management body who are not of sufficiently good repute or do not possess the appropriate knowledge, skills and experience, both individually and collectively, to perform their duties or do not demonstrate that they are capable of committing sufficient time to effectively perform their duties.
29. The issuer infringes Article 34(3) by not having its management body assess or periodically review the effectiveness of the policy arrangements and procedures put in place to comply with Chapters 2, 3, 5 and 6 of Title III or by not taking appropriate measures to address any deficiencies in that respect.
30. The issuer infringes Article 34(4) by having shareholders or members, whether direct or indirect, with qualifying holdings who are not of sufficiently good repute.

31. The issuer infringes Article 34(5) by not adopting policies and procedures that are sufficiently effective to ensure compliance with this Regulation, in particular by not establishing, maintaining and implementing any of the policies and procedures referred to in the first subparagraph, points (a) to (k), of that paragraph.
32. The issuer infringes Article 34(5) by not entering into contractual arrangements with third-party entities as referred to in the first subparagraph, point (h), of that paragraph that set out the roles, responsibilities, rights and obligations both of the issuer and of the third-party entity concerned, or by not providing for an unambiguous choice of applicable law.
33. The issuer infringes Article 34(6), unless it has initiated a plan as referred to in Article 47, by not employing appropriate and proportionate systems, resources or procedures to ensure the continued and regular performance of its services and activities, and by not maintaining all of its systems and security access protocols in conformity with the appropriate Union standards.
34. The issuer infringes Article 34(7) by not submitting a plan for discontinuation of providing services and activities to EBA, for approval of such discontinuation.
35. The issuer infringes Article 34(8) by not identifying sources of operational risks and by not minimising those risks through the development of appropriate systems, controls and procedures.

36. The issuer infringes Article 34(9) by not establishing a business continuity policy and plans to ensure, in the case of an interruption of its ICT systems and procedures, the preservation of essential data and functions and the maintenance of its activities, or, where that is not possible, the timely recovery of such data and functions and the timely resumption of its activities.
37. The issuer infringes Article 34(10) by not having in place internal control mechanisms and effective procedures for risk management, including effective control and safeguard arrangements for managing ICT systems as required by Regulation (EU) 2022/2554.
38. The issuer infringes Article 34(11) by not having in place systems and procedures that are adequate to safeguard the availability, authenticity, integrity and confidentiality of data as required by Regulation (EU) 2022/2554 and in line with Regulation (EU) 2016/679.
39. The issuer infringes Article 34(12) by not ensuring that the issuer is regularly audited by independent auditors.
40. The issuer infringes Article 35(1) by not having, at all times, own funds equal to amounts of at least the highest of that set in point (a) or (c) of that paragraph or in Article 45(5).

41. The issuer infringes Article 35(2) of this Regulation where its own funds do not consist of the Common Equity Tier 1 items and instruments referred to in Articles 26 to 30 of Regulation (EU) No 575/2013 after the deductions in full, pursuant to Article 36 of that Regulation, without the application of threshold exemptions referred to in Article 46(4) and Article 48 of that Regulation.
42. The issuer infringes Article 35(3) by not complying with the requirement of EBA to hold a higher amount of own funds, following the assessment made in accordance with points (a) to (g) of that paragraph.
43. The issuer infringes Article 35(5) by not conducting, on a regular basis, stress testing that takes into account severe but plausible financial stress scenarios, such as interest rate shocks and non-financial stress scenarios such as operational risk.
44. The issuer infringes Article 35(5) by not complying with the requirement of EBA to hold a higher amount of own funds based on the outcome of the stress testing.
45. The issuer infringes Article 36(1) by not constituting and, at all times, maintaining a reserve of assets.
46. The issuer infringes Article 36(1) by not ensuring that the reserve of assets is composed and managed in such a way that the risks associated to the assets referenced by the significant asset-referenced token are covered.

47. The issuer infringes Article 36(1) by not ensuring that the reserve of assets is composed and managed in such a way that the liquidity risks associated to the permanent rights of redemption of the holders are addressed.
48. The issuer infringes Article 36(3) by not ensuring that the reserve of assets is operationally segregated from the issuer's estate, and from the reserve of assets of other asset-referenced tokens.
49. The issuer infringes Article 36(6) where its management body does not ensure effective and prudent management of the reserve of assets.
50. The issuer infringes Article 36(6) by not ensuring that the issuance and redemption of the significant asset-referenced token is always matched by a corresponding increase or decrease in the reserve of assets.
51. The issuer infringes Article 36(7) by not determining the aggregate value of the reserve of assets using market prices, and by not having its aggregate value always at least equal to the aggregate value of the claims against the issuer from holders of the significant asset-referenced token in circulation.
52. The issuer infringes Article 36(8), by not having a clear and detailed policy describing the stabilisation mechanism of the significant asset-referenced token that meets the conditions set out in points (a) to (g) of that paragraph.

53. The issuer infringes Article 36(9) by not mandating an independent audit of the reserve of assets every six months, as of the date of its authorisation or as of the date of approval of the crypto-asset white paper pursuant to Article 17.
54. The issuer infringes Article 36(10) by not notifying to EBA the result of the audit in accordance with that paragraph or by not publishing the result of the audit within two weeks of the date of notification to EBA.
55. The issuer infringes Article 37(1) by not establishing, maintaining or implementing custody policies, procedures and contractual arrangements that ensure at all times that the conditions listed in the first subparagraph, points (a) to (e), of that paragraph are met.
56. The issuer infringes Article 37(2) by not having, when issuing two or more significant asset-referenced tokens, a custody policy in place for each pool of reserve of assets.
57. The issuer infringes Article 37(3) by not ensuring that the reserve assets are held in custody by a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients, a credit institution or an investment firm by no later than five working days after the date of issuance of the significant asset-referenced token.
58. The issuer infringes Article 37(4) by not exercising all due skill, care and diligence in the selection, appointment and review of crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets, or by not ensuring that the custodian is a legal person different from the issuer.

59. The issuer infringes Article 37(4) by not ensuring that the crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets have the necessary expertise and market reputation to act as custodians of such reserve assets.
60. The issuer infringes Article 37(4) by not ensuring in the contractual arrangements with the custodians that the reserve assets held in custody are protected against claims of the custodians' creditors.
61. The issuer infringes Article 37(5) by not setting out in the custody policies and procedures the selection criteria for the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets or by not setting out the procedure for reviewing such appointment.
62. The issuer infringes Article 37(5) by not reviewing the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets on a regular basis, by not evaluating its exposures to such custodians or by not monitoring the financial conditions of such custodians on an ongoing basis.
63. The issuer infringes Article 37(6) by not ensuring that custody of the reserve assets is carried out in accordance with the first subparagraph, points (a) to (d), of that paragraph.

64. The issuer infringes Article 37(7) by not having the appointment of a crypto-asset service provider, credit institution or investment firm as custodian of the reserve assets evidenced by a contractual arrangement, or by not regulating, by means of such a contractual arrangement, the flow of information necessary to enable the issuer of the significant asset-referenced token, the crypto-asset service provider, the credit institution and the investment firm to perform their functions as custodians.
65. The issuer infringes Article 38(1) by investing the reserve of assets in any products that are not highly liquid financial instruments with minimal market risk, credit risk and concentration risks or where such investments cannot be liquidated rapidly with minimal adverse price effect.
66. The issuer infringes Article 38(3) by not holding in custody in accordance with Article 37 the financial instruments in which the reserve of assets is invested.
67. The issuer infringes Article 38(4) by not bearing all profits and losses and any counterparty or operational risks that result from the investment of the reserve of assets.
68. The issuer infringes Article 39(1), by not establishing, maintaining and implementing clear and detailed policies and procedures in respect of permanent rights of redemption of holders of the significant asset-referenced token.

69. The issuer infringes Article 39(1) and (2) by not ensuring that holders of the significant asset-referenced token have permanent rights of redemption in accordance with those paragraphs, and by not establishing a policy on such permanent rights of redemption that meets the conditions listed in Article 39(2), first subparagraph, points (a) to (e).
70. The issuer infringes Article 39(3) by applying fees in the event of the redemption of the significant asset-referenced token.
71. The issuer infringes Article 40 by granting interest in relation to the significant asset-referenced token.
72. The issuer infringes Article 45(1) by not adopting, implementing and maintaining a remuneration policy that promotes the sound and effective risk management of issuers of significant asset-referenced tokens and that does not create incentives to relax risk standards.
73. The issuer infringes Article 45(2) by not ensuring that its significant asset-referenced token can be held in custody by different crypto-asset service providers authorised for providing custody and administration of crypto-assets on behalf of clients, on a fair, reasonable and non-discriminatory basis.
74. The issuer infringes Article 45(3) by not assessing or monitoring the liquidity needs to meet requests for redemption of the significant asset-referenced token by its holders.

75. The issuer infringes Article 45(3) by not establishing, maintaining or implementing a liquidity management policy and procedures or by not ensuring, with those policy and procedures, that the reserve assets have a resilient liquidity profile that enables the issuer of the significant asset-referenced token to continue operating normally, including under scenarios of liquidity stress.
76. The issuer infringes Article 45(4) by not conducting, on a regular basis, liquidity stress testing or by not strengthening the liquidity requirements where requested by EBA based on the outcome of such tests.
77. The issuer infringes Article 46(1) by not drawing up and maintaining a recovery plan providing for measures to be taken by the issuer of the significant asset-referenced token to restore compliance with the requirements applicable to the reserve of assets in cases where the issuer fails to comply with those requirements, including the preservation of its services related to the significant asset-referenced token, the timely recovery of operations and the fulfilment of the issuer's obligations in the case of events that pose a significant risk of disrupting operations.
78. The issuer infringes Article 46(1) by not drawing up and maintaining a recovery plan that includes appropriate conditions and procedures to ensure the timely implementation of recovery actions as well as a wide range of recovery options, as listed in the third subparagraph of that paragraph.

79. The issuer infringes Article 46(2) by not notifying the recovery plan to EBA and, where applicable, to its resolution and prudential supervisory authorities, within six months of the date of authorisation pursuant to Article 21 or of the date of approval of the crypto-asset white paper pursuant to Article 17.
80. The issuer infringes Article 46(2) by not regularly reviewing or updating the recovery plan.
81. The issuer infringes Article 47(1) by not drawing up and maintaining an operational plan to support the orderly redemption of each significant asset-referenced token.
82. The issuer infringes Article 47(2) by not having a redemption plan that demonstrates the ability of the issuer of the significant asset-referenced token to carry out the redemption of the outstanding significant asset-referenced token issued without causing undue economic harm to its holders or to the stability of the markets of the reserve assets.
83. The issuer infringes Article 47(2) by not having a redemption plan that includes contractual arrangements, procedures or systems, including the designation of a temporary administrator, to ensure the equitable treatment of all holders of the significant asset-referenced token and to ensure that holders of the significant asset-referenced token are paid in a timely manner with the proceeds from the sale of the remaining reserve assets.

84. The issuer infringes Article 47(2) by not having a redemption plan that ensures the continuity of any critical activities that are necessary for the orderly redemption and that are performed by the issuer or by any third-party entity.
85. The issuer infringes Article 47(3) by not notifying the redemption plan to EBA within six months of the date of authorisation pursuant to Article 21 or of the date of approval of the crypto-asset white paper pursuant to Article 17.
86. The issuer infringes Article 47(3) by not regularly reviewing or updating the redemption plan.
87. The issuer infringes Article 88(1), except where the conditions of Article 88(2) are met, by not informing the public as soon as possible of inside information as referred to in Article 87, that directly concerns that issuer, in a manner that enables fast access and complete, correct and timely assessment of the information by the public.

ANNEX VI

List of infringements of provisions referred to in Title IV
in conjunction with Title III for issuers of significant e-money tokens

1. The issuer infringes Article 22(1) by not reporting, for each significant e-money token denominated in a currency that is not an official currency of a Member State with an issue value that is higher than EUR 100 000 000, on a quarterly basis to EBA, the information referred to in the first subparagraph, points (a) to (d), of that paragraph.
2. The issuer infringes Article 23(1) by not stopping issuing a significant e-money token denominated in a currency that is not an official currency of a Member State upon reaching the thresholds provided for in that paragraph or by not submitting a plan to EBA within 40 working days of reaching those thresholds to ensure that the estimated quarterly average number and average aggregate value of the transactions per day are kept below those thresholds.
3. The issuer infringes Article 23(4) by not complying with the modifications of the plan referred to in paragraph 1, point (b), of that Article as required by EBA.

4. The issuer infringes Article 35(2) of this Regulation where its own funds do not consist of the Common Equity Tier 1 items and instruments referred to in Articles 26 to 30 of Regulation (EU) No 575/2013 after the deductions in full, pursuant to Article 36 of that Regulation, without the application of threshold exemptions referred to in Article 46(4) and Article 48 of that Regulation.
5. The issuer infringes Article 35(3) by not complying with the requirement of EBA to hold a higher amount of own funds, following the assessment made in accordance with points (a) to (g) of that paragraph.
6. The issuer infringes Article 35(5) by not conducting, on a regular basis, stress testing that takes into account severe but plausible financial stress scenarios, such as interest rate shocks, and non-financial stress scenarios, such as operational risk.
7. The issuer infringes Article 35(5) by not complying with the requirement of EBA to hold a higher amount of own funds based on the outcome of the stress testing.
8. The issuer infringes Article 36(1) by not constituting and, at all times, maintaining a reserve of assets.
9. The issuer infringes Article 36(1) by not ensuring that the reserve of assets is composed and managed in such a way that the risks associated to the official currency referenced by the significant e-money token are covered.

10. The issuer infringes Article 36(1) by not ensuring that the reserve of assets is composed and managed in such a way that the liquidity risks associated to the permanent rights of redemption of the holders are addressed.
11. The issuer infringes Article 36(3) by not ensuring that the reserve of assets is operationally segregated from the issuer's estate, and from the reserve of assets of other e-money tokens.
12. The issuer infringes Article 36(6) where its management body does not ensure effective and prudent management of the reserve of assets.
13. The issuer infringes Article 36(6) by not ensuring that the issuance and redemption of the significant e-money token is always matched by a corresponding increase or decrease in the reserve of assets.
14. The issuer infringes Article 36(7) by not determining the aggregate value of the reserve of assets by using market prices, and by not having its aggregate value always at least equal to the aggregate value of the claims against the issuer from the holders of the significant e-money token in circulation.
15. The issuer infringes Article 36(8) by not having a clear and detailed policy describing the stabilisation mechanism of the significant e-money token that meets the conditions set out in points (a) to (g) of that paragraph.

16. The issuer infringes Article 36(9) by not mandating an independent audit of the reserve of assets every six months after the date of the offer to the public or admission to trading.
17. The issuer infringes Article 36(10) by not notifying to EBA the result of the audit in accordance with that paragraph or by not publishing the result of the audit within two weeks of the date of notification to EBA.
18. The issuer infringes Article 37(1) by not establishing, maintaining or implementing custody policies, procedures and contractual arrangements that ensure at all times that the conditions listed in the first subparagraph, points (a) to (e), of that paragraph are met.
19. The issuer infringes Article 37(2) by not having, when issuing two or more significant e-money tokens, a custody policy in place for each pool of reserve of assets.
20. The issuer infringes Article 37(3) by not ensuring that the reserve assets are held in custody by a crypto-asset service provider providing custody and administration of crypto-assets on behalf of clients, a credit institution or an investment firm by no later than five working days after the date of issuance of the significant e-money token.
21. The issuer infringes Article 37(4) by not exercising all due skill, care and diligence in the selection, appointment and review of crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets or by not ensuring that the custodian is a legal person different from the issuer.

22. The issuer infringes Article 37(4) by not ensuring that the crypto-asset service providers, credit institutions and investment firms appointed as custodians of the reserve assets have the necessary expertise and market reputation to act as custodians of such reserve assets.
23. The issuer infringes Article 37(4) by not ensuring in the contractual arrangements with the custodians that the reserve assets held in custody are protected against claims of the custodians' creditors.
24. The issuer infringes Article 37(5) by not setting out in the custody policies and procedures the selection criteria for the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets or by not setting out the procedure for reviewing such appointment.
25. The issuer infringes Article 37(5) by not reviewing the appointment of crypto-asset service providers, credit institutions or investment firms as custodians of the reserve assets on a regular basis, and by not evaluating its exposures to such custodians, or by not monitoring the financial conditions of such custodians on an ongoing basis.
26. The issuer infringes Article 37(6) by not ensuring that the custody of the reserve assets is carried out in accordance with the first subparagraph, points (a) to (d), of that paragraph.

27. The issuer infringes Article 37(7) by not having the appointment of a crypto-asset service provider, credit institution or investment firm as custodian of the reserve assets evidenced by a contractual arrangement, or by not regulating, by means of such a contractual arrangement, the flow of information necessary to enable the issuer of the significant e-money token, the crypto-asset service provider, the credit institutions and the investment firm to perform their functions as custodians.
28. The issuer infringes Article 38(1) by investing the reserve of assets in any products that are not highly liquid financial instruments with minimal market risk, credit risk and concentration risks or where such investments cannot be liquidated rapidly with minimal adverse price effect.
29. The issuer infringes Article 38(3) by not holding in custody in accordance with Article 37 the financial instruments in which the reserve of assets is invested.
30. The issuer infringes Article 38(4) by not bearing all profits and losses and any counterparty or operational risks that result from the investment of the reserve of assets.
31. The issuer infringes Article 45(1) by not adopting, implementing and maintaining a remuneration policy that promotes the sound and effective risk management of issuers of significant e-money tokens and that does not create incentives to relax risk standards.

32. The issuer infringes Article 45(2) by not ensuring that its significant e-money token can be held in custody by different crypto-asset service providers authorised for providing custody and administration of crypto-assets on behalf of clients on a fair, reasonable and non-discriminatory basis.
33. The issuer infringes Article 45(3) by not assessing or monitoring the liquidity needs to meet requests for redemption of the significant e-money token by its holders.
34. The issuer infringes Article 45(3) by not establishing, maintaining or implementing a liquidity management policy and procedures or by not ensuring, with those policy and procedures, that the reserve assets have a resilient liquidity profile that enables the issuer of the significant e-money token to continue operating normally, including under liquidity stressed scenarios.
35. The issuer infringes Article 45(4) by not conducting, on a regular basis, liquidity stress testing or by not strengthening the liquidity requirements where requested by EBA based on the outcome of such tests.
36. The issuer infringes Article 45(5) by not complying, at all times, with the own funds requirement.

37. The issuer infringes Article 46(1) by not drawing up and maintaining a recovery plan providing for measures to be taken by the issuer of significant e-money tokens to restore compliance with the requirements applicable to the reserve of assets in cases where the issuer fails to comply with those requirements, including the preservation of its services related to the significant e-money token, the timely recovery of operations and the fulfilment of the issuer's obligations in the case of events that pose a significant risk of disrupting operations.
38. The issuer infringes Article 46(1) by not drawing up and maintaining a recovery plan that includes appropriate conditions and procedures to ensure the timely implementation of recovery actions as well as a wide range of recovery options, as listed in the third subparagraph, points (a), (b) and (c), of that paragraph.
39. The issuer infringes Article 46(2) by not notifying the recovery plan to EBA and, where applicable, to its resolution and prudential supervisory authorities, within six months of the date of the offer to the public or admission to trading.
40. The issuer infringes Article 46(2) by not regularly reviewing or updating the recovery plan.
41. The issuer infringes Article 47(1) by not drawing up and maintaining an operational plan that supports the orderly redemption of each significant e-money token.

42. The issuer infringes Article 47(2) by not having a redemption plan that demonstrates the ability of the issuer of the significant e-money token to carry out the redemption of the outstanding significant e-money token issued without causing undue economic harm to its holders or to the stability of the markets of the reserve assets.
 43. The issuer infringes Article 47(2) by not having a redemption plan that includes contractual arrangements, procedures or systems, including the designation of a temporary administrator, to ensure the equitable treatment of all holders of the significant e-money token and to ensure that holders of the significant e-money token are paid in a timely manner with the proceeds from the sale of the remaining reserve assets.
 44. The issuer infringes Article 47(2) by not having a redemption plan that ensures the continuity of any critical activities that are necessary for the orderly redemption and that are performed by the issuer or by any third-party entities.
 45. The issuer infringes Article 47(3) by not notifying the redemption plan to EBA within six months of the date of the offer to the public or admission to trading.
 46. The issuer infringes Article 47(3) by not regularly reviewing or updating the redemption plan.
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