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AMENDMENTS: 538

Elena Donazzan

Safety, resilience and sustainability of space activities in the Union

Proposal for a regulation COM(2025)0335 - 2025/0335(COD)

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Amendment 1
Sergey Lagodinsky

Proposal for a regulation
Recital 7

Text proposed by the Commission

(7) However, neither the OST nor any other international treaty of the UN regulatory framework for space provide for specific and detailed rules to address the emerging risks associated with the increase of space activities. The Long-term Sustainability Guidelines adopted by the UN provide a framework of actions for national and regional entities to ensure the future protection of orbits. However, ***other than*** these non-binding guidelines, the congestion of orbits, the risk of collision, the risk of disruption of space services due to cyberattacks perpetrated on space infrastructure as well as the environmental impact of space activities constitute a ***growing reason for*** concern for the safety, resilience and environmental sustainability of space activities, ***for which there is no legislation at international level thus leaving*** a regulatory gap.

Amendment

(7) However, neither the OST nor any other international treaty of the UN regulatory framework for space provide for specific and detailed rules to address the emerging risks ***and the growing environmental impacts*** associated with the increase of space activities. The Long-term Sustainability Guidelines adopted by the UN provide a framework of actions for national and regional entities to ensure the future protection of orbits. However, these non-binding guidelines ***are not sufficient to mitigate growing concerns for the safety, resilience and environmental sustainability of space activities, associated with,*** the congestion of orbits, the risk of collision, the risk of disruption of space services due to cyberattacks perpetrated on space infrastructure as well as the ***growing*** environmental impact of space activities ***that*** constitute a ***major*** concern for the safety, resilience and environmental sustainability of space activities. ***Moreover, the OST liability regime does not cover environmental liability, nor does it place liability directly on space operators. This leaves*** a regulatory gap.

Or. en

Amendment 2
Sergey Lagodinsky

Proposal for a regulation
Recital 14

Text proposed by the Commission

(14) **Requirements entailing higher costs, such as design requirements to avoid proliferation of space debris, or risk assessments aimed at ensuring the cybersecurity on the various segments of space infrastructure**, may prompt Union space operators to seek establishment in jurisdictions **with less stringent authorisation** requirements.

Amendment

(14) **A fragmented legal framework** may prompt Union space operators to seek establishment in **other** jurisdictions. **The introduction of ambitious EU requirements will help EU companies compete in a global market with increasing demand for safe, secure and sustainable space standards. EU environmental footprint standards will drive innovation in sustainable space technologies, facilitate access to sustainable finance and ultimately increase competitiveness and build market confidence. The fact that the measures established in this Regulation also apply for non-European companies that want to operate in the single market will also level the playing field between European and non-European companies.**

Or. en

Amendment 3
Sergey Lagodinsky

Proposal for a regulation
Recital 17 a (new)

Text proposed by the Commission

Amendment

(17 a) In order to ensure the proper functioning of the internal market and to maintain a high level of safety, resilience, and environmental sustainability of space infrastructure, the harmonised regulatory framework for space activities must also guarantee a level playing field and prevent distortions of competition. Therefore the rules laid down in this Regulation should apply in a non-discriminatory manner to all space service providers offering space-based data or services within the Union. This includes providers established in the Union, who

are subject to authorisation and supervision, as well as space service providers established in third countries and international organisations. Where the latter provide services or data in the Union, they should be subject to equivalent requirements regarding registration and supervision to ensure that all actors, regardless of their place of establishment or legal status, adhere to the same standards of safety and sustainability. Such a uniform application of rules is essential to ensure the integrity of the internal market and the long-term viability of space activities for the benefit of all humankind.

Or. en

Amendment 4
Sergey Lagodinsky

Proposal for a regulation
Recital 18

Text proposed by the Commission

(18) Only in *limited* cases, considering the strategic importance for the Union or Member States to have access to certain space services, the Commission should grant a derogation from the requirements laid down in this Regulation for launch services *where this is justified by a public interest*. Implementing powers should be conferred on the Commission to grant a derogation to the respective third-country launch operator *where the public interest condition is met*.

Amendment

(18) Only in *justified and exceptional* cases, considering the strategic importance for the Union or Member States to have access to certain space services, the Commission should grant a derogation from the requirements laid down in this Regulation for launch services. Implementing powers should be conferred on the Commission to grant a derogation to the respective third-country launch operator.

Or. en

Amendment 5
Sergey Lagodinsky

Proposal for a regulation
Recital 20

Text proposed by the Commission

(20) Space services providers established in the Union should be subject to an authorisation regime, to address key safety and resilience aspects of typical space services which relate for instance to the operation of spacecraft, the provision of launch services and the operation and maintenance of launch sites. Union space operators of Union-owned assets should be authorised by the European Union Agency for the Space Programme ('the Agency') established by Regulation (EU) 2021/696 of the European Parliament and of the Council⁵, while *Union* space operators operating assets other than *Union-owned* assets should be authorised by Member States.

⁵ ⁽⁵⁾Regulation (EU) 2021/696 of the European Parliament and of the Council of 28 April 2021 establishing the Union Space Programme and the European Union Agency for the Space Programme and repealing Regulations (EU) No 912/2010, (EU) No 1285/2013 and (EU) No 377/2014 and Decision No 541/2014/EU (OJ L 170, 12.5.2021, p. 69 ELI: <http://data.europa.eu/eli/reg/2021/696/oj>)

Amendment

(20) Space services providers established in the Union should be subject to an authorisation regime, to address key safety and resilience aspects of typical space services which relate for instance to the operation of spacecraft, the provision of launch services and the operation and maintenance of launch sites. Union space operators of Union-owned assets should be authorised by the European Union Agency for the Space Programme ('the Agency') established by Regulation (EU) 2021/696 of the European Parliament and of the Council⁽⁵⁾, while space operators operating assets other than *Union-owned* assets should be authorised by Member States. ***In the long run, to reduce the risk of gold-plating and fragmentation of the Union market, the Agency should become a fully-fledged space agency, tasked with the design, development and management of EU space assets, and with the authorisation regime related to the operation of spacecrafts, the provision of launch services and the operation and maintenance of launch sites.***

⁵ ⁽⁵⁾Regulation (EU) 2021/696 of the European Parliament and of the Council of 28 April 2021 establishing the Union Space Programme and the European Union Agency for the Space Programme and repealing Regulations (EU) No 912/2010, (EU) No 1285/2013 and (EU) No 377/2014 and Decision No 541/2014/EU (OJ L 170, 12.5.2021, p. 69 ELI: <http://data.europa.eu/eli/reg/2021/696/oj>)

Or. en

Amendment 6
Sergey Lagodinsky

Proposal for a regulation
Recital 21

Text proposed by the Commission

(21) Space services providers established in the Union providing advanced space services such as collision avoidance (CA) space services or in space services and operations (ISOS) support the typical space services and play a role in the protection and *long-term* sustainability of assets of space infrastructure. Therefore it is appropriate to subject this category of emerging space services providers to a limited set of rules. This would enable the development of new applications and markets in the space sector (in-space economy).

Amendment

(21) Space services providers established in the Union providing advanced space services such as collision avoidance (CA) space services or in space services and operations (ISOS) support the typical space services and play a role in the protection and *long-term* sustainability of assets of space infrastructure. Therefore it is appropriate to subject this category of emerging space services providers to a limited set of rules. This would enable the development of new applications and markets in the space sector (in-space economy). *In the future, a system of certification could be envisaged in order to ensure a trusted ecosystem for CA space services.*

Or. en

Amendment 7
Sergey Lagodinsky

Proposal for a regulation
Recital 23

Text proposed by the Commission

(23) In order to create equal conditions for operating in the internal market, the rules for all space services providers within scope of this Regulation, including *Union* space operators, should apply to the extent space-based data and space services are provided in the Union.

Amendment

(23) In order to create equal conditions for operating in the internal market, the rules for all space services providers within scope of this Regulation, including space operators, should *only* apply *to them* to the extent space-based data and space services are provided in the Union, *regardless of the place of establishment of the space operators and service providers.*

Or. en

Amendment 8
Sergey Lagodinsky

Proposal for a regulation
Recital 24

Text proposed by the Commission

(24) Therefore, to ensure that no space operator is given an advantage by not being subject to the rules laid down by this Regulation, it is appropriate to ensure a uniform treatment of all space operators, including third-country space services providers, such as third- country spacecraft operators, third-country launch providers, third-country primary providers of space-based data, if they are providing space-based data or space services in the Union.

Amendment

(24) Therefore, to ensure that no space operator is given an advantage by not being subject to the rules laid down by this Regulation, it is appropriate to ensure a uniform treatment of all space operators, including ***international organisations***, third-country space services providers, such as third- country spacecraft operators, third-country launch providers, third-country primary providers of space-based data, if they are providing space-based data or space services in the Union.

Or. en

Amendment 9
Sergey Lagodinsky

Proposal for a regulation
Recital 27

Text proposed by the Commission

(27) ***Certain third-country jurisdictions may adhere to high levels of safety, resilience and environmental sustainability of space activities and as such apply safety, resilience and environmental sustainability requirements similar to those laid down in this Regulation.***

Amendment

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Or. en

Amendment 10
Sergey Lagodinsky

Proposal for a regulation
Recital 28

Text proposed by the Commission

(28) In these cases, a mechanism of equivalence is to ensure the recognition of a level of protection comparable to what is required under this Regulation. Thus, where an assessment has been carried out by the Commission, in relation to the applicable legal framework of a third country and the legally binding rules applicable in that third country, deemed to be equivalent to the requirements laid down in this Regulation, the compliance of the space services providers established in that third country should be established on that basis. Such space services providers should be able to provide space-based data and space services in the Union based on an equivalence decision to be adopted by the Commission

Amendment

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Or. en

Amendment 11
Sergey Lagodinsky

Proposal for a regulation
Recital 29

Text proposed by the Commission

(29) Space services providers established in a third country *for which an equivalence decision has not been adopted* should be required to undergo checks to establish compliance with the requirements laid down in this Regulation. To promote convergence of supervisory approaches, the Agency should carry out the technical assessments needed for the Commission to establish compliance and allowing the Commission to decide, based on technical assessments, on the registration of space service providers in the Union and on any

Amendment

(29) Space services providers established in a third country should be required to undergo checks to establish compliance with the requirements laid down in this Regulation. To promote convergence of supervisory approaches, the Agency should carry out the technical assessments needed for the Commission to establish compliance and allowing the Commission to decide, based on technical assessments, on the registration of space service providers in the Union and on any supervisory measures. For this purpose, a

supervisory measures. For this purpose, a Register should be set-up at Union level.

Register should be set-up at Union level.

Or. en

Amendment 12
Sergey Lagodinsky

Proposal for a regulation
Recital 30

Text proposed by the Commission

(30) The Union should seek gradually to conclude mutual recognition agreements with third countries.

Amendment

(30) The Union should seek gradually to conclude mutual recognition agreements with third countries ***granting reciprocal market access based on quintessentially ambitious requirements.***

Or. en

Amendment 13
Sergey Lagodinsky

Proposal for a regulation
Recital 32

Text proposed by the Commission

(32) To achieve regulatory coherence ***in the context of the harmonisation entailed by this Regulation, such international organisations, when operating their own assets, should be subjected to Union law, upon appropriate conditions regarding the means of application and enforcement of Union law to them, which should be laid down in international agreements concluded between the Union and respectively each of such international organisations. Where such international organisations operate Member States assets, enforcement of the rules laid down by this Regulation should be ensured by the competent authorities. Where such international organisations operate Union-owned assets, enforcement should***

Amendment

(32) To achieve regulatory coherence, ***it would be important for*** such international organisations, ***and the*** Union, ***to conclude*** international agreements ***that could advance the objectives set out in*** this Regulation.

be ensured in accordance with the provisions of the contribution agreements concluded by the Commission to that effect.

Or. en

Amendment 14
Sergey Lagodinsky

Proposal for a regulation
Recital 33

Text proposed by the Commission

Amendment

(33) ESA is an international organisation with extensive expertise in the space domain and an important partner in the implementation of the Union Space Programme. ESA develops and operates, in accordance with dedicated agreements, assets of space infrastructure for the Union Space Programme and the Union Secure Connectivity Programme. ESA also develops space missions on behalf of Member States within its mandatory activities and optional programmes, and provides, at the request of one or more Member States, assistance to national projects in the space domain. ESA is also a central driver for developing technical standards for space activities. The conditions for the implementation of this Regulation to ESA should be further defined in an agreement with due regard to ESA's status and institutional framework.

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Or. en

Amendment 15
Sergey Lagodinsky

Proposal for a regulation
Recital 34

Text proposed by the Commission

Amendment

(34) The rules laid down in this Regulation should cover both Union-owned assets, as referred to in Regulation (EU) 2021/696 and Regulation (EU) 2023/588 of the European Parliament and of the Council⁶, and assets of **Member States, whether owned or operated by governmental or commercial operators, including dual-use assets placed under civil control and when used for civil purposes.**

(34) The rules laid down in this Regulation should cover both Union-owned assets, as referred to in Regulation (EU) 2021/696 and Regulation (EU) 2023/588 of the European Parliament and of the Council⁽⁶⁾, and assets of commercial operators. **Assets owned by the Member States that are not in scope may be voluntarily brought into compliance in order to advance the objectives of this Regulation.**

⁶ (6) Regulation (EU) 2023/588 of the European Parliament and of the Council of 15 March 2023 establishing the Union Secure Connectivity Programme for the period 2023-2027 OJ L 79, 17.3.2023, p. 1-39 (ELI: <http://data.europa.eu/eli/reg/2023/588/oj>).

⁶ (6) Regulation (EU) 2023/588 of the European Parliament and of the Council of 15 March 2023 establishing the Union Secure Connectivity Programme for the period 2023-2027 OJ L 79, 17.3.2023, p. 1-39 (ELI: <http://data.europa.eu/eli/reg/2023/588/oj>).

Or. en

Amendment 16
Sergey Lagodinsky

Proposal for a regulation
Recital 36

Text proposed by the Commission

Amendment

(36) ***In order to preserve the competences of the Member States, this Regulation should not apply to space objects that are exclusively used to enable defence or national security objectives, irrespective of the entity carrying out such space activities. Space objects that are only partially used for defence purposes should be excluded from the scope of this Regulation when they need to be placed under a Member State operation and control, for defence purposes, only for the duration of the respective space mission***

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carried out by the military forces. In such cases, it is for each Member State to determine, owing to the circumstances of the case, whether such space object would fall under the above mentioned exclusion.

Or. en

Amendment 17
Sergey Lagodinsky

Proposal for a regulation
Recital 37

Text proposed by the Commission

Amendment

(37) This Regulation should be thus without prejudice to the competences of Member States as regards all matters pertaining to national security, which also extends to cases where Member States need, for the purposes and the exercise of such national security competence, to execute specific space operations, for instance by taking control of a space object under their jurisdiction.

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Or. en

Amendment 18
Sergey Lagodinsky

Proposal for a regulation
Recital 41

Text proposed by the Commission

Amendment

(41) To enable seamless authorisation processes across the internal market and create equal treatment of all Union space operators the overall duration of authorisations should be 12 months, with the possibility to suspend the deadlines applicable in the authorisation process, with a view to take into account the need for further clarifications and assessments.

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Amendment 19
Sergey Lagodinsky

Proposal for a regulation
Recital 43

Text proposed by the Commission

(43) The competent authorities of a Member State should accept and recognise the authorisations issued by the competent authorities of other Member States, ***as regards the matters which are covered by this Regulation***. At the same time, full transparency of national requirements that may be laid down by Member States should be ensured, including for stricter requirements that may be necessary to safeguarding the safety, resilience or environmental sustainability of an operation or a launch carried out on their territories in respect to a space mission carried out by space operators authorised in their own Member State of establishment. Such information should be provided through a common Information Portal.

Amendment

(43) The competent authorities of a Member State should accept and recognise the authorisations issued by the competent authorities of other Member States. At the same time, full transparency of national requirements that may be laid down by Member States should be ensured, including for stricter requirements that may be necessary to safeguarding the safety, resilience or environmental sustainability of an operation or a launch carried out on their territories in respect to a space mission carried out by space operators authorised in their own Member State of establishment. Such information should be provided through a common Information Portal.

Or. en

Amendment 20
Sergey Lagodinsky

Proposal for a regulation
Recital 44

Text proposed by the Commission

(44) In light of the technical complexity and the length of the preparation of a space mission, applicants should have sufficient time to provide any required information or clarification. Thereby a suspension of the deadlines applicable, in the processes for authorisations, to the

Amendment

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competent authorities, should be also foreseen.

Or. en

Amendment 21
Sergey Lagodinsky

Proposal for a regulation
Recital 45

Text proposed by the Commission

(45) Conformity of space objects with the requirements of this Regulation should be presumed both for space services providers established in the Union, since such conformity has been verified by the national competent authorities when issuing the authorisation, *and for space service providers established in a third country for which a decision of equivalence has been granted by the Commission.*

Amendment

(45) Conformity of space objects with the requirements of this Regulation should be presumed both for space services providers established in the Union, since such conformity has been verified by the national competent authorities when issuing the authorisation.

Or. en

Amendment 22
Sergey Lagodinsky

Proposal for a regulation
Recital 47

Text proposed by the Commission

(47) Consolidated lists of all space services providers registered in URSO, established in the Union and in third countries, should be made accessible to the public, through the URSO website, thereby ensuring transparency on all space services providers registered in the Union. Any person could verify the source of the space-based data with a view to ascertain, at any given moment, that the space services provided in the Union make use of data that has been generated by space objects

Amendment

(47) Consolidated lists of all space services providers registered in URSO, established in the Union and in third countries, should be made accessible to the public, through the URSO website, *based on open source technologies and APIs and using and open data policy* thereby ensuring transparency on all space services providers registered in the Union. Any person could verify the source of the space-based data with a view to ascertain, at any given moment, that the space services

compliant with the requirements of Union law.

provided in the Union make use of data that has been generated by space objects compliant with the requirements of Union law.

Or. en

Amendment 23
Sergey Lagodinsky

Proposal for a regulation
Recital 49

Text proposed by the Commission

(49) In order to match increased customer demand for satellite offerings, reap the benefits of technological advances and associated cost reductions, and secure better access to capital, the authorisation processes for the launch of satellite constellations should be streamlined. Under certain conditions, and subject to a set of safeguards, a simplified authorisation procedure *should* be available, leading to the issuing of a single authorisation valid for *the entire satellite* constellation.

Amendment

(49) In order to match increased customer demand for satellite offerings, reap the benefits of technological advances and associated cost reductions, and secure better access to capital, the authorisation processes for the launch of satellite constellations should be streamlined. Under certain conditions, and subject to a set of safeguards, a simplified authorisation procedure *may* be available, leading to the issuing of a single authorisation valid for *several satellites in a* constellation.

Or. en

Amendment 24
Sergey Lagodinsky

Proposal for a regulation
Recital 51

Text proposed by the Commission

(51) Space operators should benefit from dedicated exemptions from the rules laid down in the different areas covered by this Regulation. When carrying out research space missions, they should be exempted from certain rules on safety. Similarly, space operators that qualify as small-sized enterprises or are research or education institutions should apply a

Amendment

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simplified risk management focusing on critical assets and addressing main risks. In-Orbit Demonstration and Validation (IOD/IOV) space missions should also be exempted from the calculation of the environmental footprint (EF) of space activities.

Or. en

Amendment 25
Sergey Lagodinsky

Proposal for a regulation
Recital 53

Text proposed by the Commission

(53) The congestion of certain orbits, triggering an enhanced risk of collision of satellites and proliferation of space debris, as well as the geopolitical threat-landscape featuring an enhanced risk to the cybersecurity of space infrastructure, along with the risk of physical contact in space, such as proximity and disturbances, constitute challenges of a global nature which many space-faring nations have started to address.

Amendment

(53) The congestion of certain orbits, ***the growing magnitude of satellites' launches and constellations***, triggering an enhanced risk of collision of satellites and proliferation of space debris, as well as the geopolitical threat-landscape featuring an enhanced risk to the cybersecurity of space infrastructure, along with the risk of physical contact in space, such as proximity and disturbances, constitute challenges of a global nature which many space-faring nations have started to address.

Or. en

Amendment 26
Sergey Lagodinsky

Proposal for a regulation
Recital 56

Text proposed by the Commission

(56) Launch activities are inherently risky and can cause irreversible damage if not managed properly. Rules should consequently be laid down to ensure that launchers are trackable and undergo a risk

Amendment

(56) Launch activities are inherently risky and can cause irreversible damage if not managed properly. Rules should consequently be laid down to ensure that launchers are trackable and undergo a risk

assessment which identifies and sets-up several measures to mitigate, to the extent possible, the associated risks.

assessment which identifies and sets-up several measures to mitigate, to the extent possible, the associated risks. *To this extent, space operators should bear liability for all aspects of their space activities and throughout the whole lifecycle of their space missions. Such liability should cover safety, resilience, and sustainability and should apply both to space and to Earth. Space operators should also bear financial and organisational responsibility for managing the end-of-life stage of their objects and services. As space activities expand exponentially, driven by rising launch rates and growing satellite constellations, the associated environmental pressure is intensifying. While this expansion has generated new revenues for space operators, it has not been matched by a proportional increase in operators' financial responsibility for mitigating the environmental impact of their activities.*

Or. en

Amendment 27
Sergey Lagodinsky

Proposal for a regulation
Recital 56 a (new)

Text proposed by the Commission

Amendment

(56 a) As the environmental impacts of space activities increase, and given the limited possibilities to mitigate those impacts, the Union should take a cautious approach towards missions that do not have scientific research or societal purposes. Missions such as space tourism should not be authorised within the Union. Moreover, financial disincentives in the form of proportionately higher Agency fees should apply to operators that conduct such missions outside of the

Union while also performing other authorised activities within the Union.

Or. en

Amendment 28
Sergey Lagodinsky

Proposal for a regulation
Recital 57

Text proposed by the Commission

(57) Projections show that, even without any new launches, collision between space objects already in space will become a big source of debris. The risk of collision between space objects would ultimately put an already congested Low Earth Orbit (LEO) under pressure, which creates a risk for the future access to space. In terms of mass, most space debris come from parts of launch vehicles (rocket bodies). Meanwhile, the number of spacecraft in orbit is rapidly growing due to the developments of satellite constellations.

Amendment

(57) Projections show that, even without any new launches, collision between space objects already in space will become a big source of debris. The risk of collision between space objects would ultimately put an already congested Low Earth Orbit (LEO) under pressure, which creates a risk for the future access to space. In terms of mass, most space debris *used to* come from parts of launch vehicles (rocket bodies). Meanwhile, the number of spacecraft in orbit is rapidly growing due to the developments of satellite constellations, *thereby increasing the aggregated risk of collision.*

Or. en

Amendment 29
Sergey Lagodinsky

Proposal for a regulation
Recital 62 a (new)

Text proposed by the Commission

Amendment

(62 a) The emergence of commercial tracking and collision avoidance services provides opportunities to enhance the safety and resilience of space infrastructure through high-revisit rates and specialized data analytics. These commercial offerings should be considered as providing additional value

that complements, rather than replaces, the public services provided by Member States or Union entities. To ensure a robust and redundant safety architecture for the Union, interoperability, standardisation, cooperation and the exchange of information between public authorities and commercial providers should be encouraged and potential standardisation and certification paths be explored.. Such cooperation should aim to optimize the use of all available data sources, ensuring that the Union's space traffic management remains at the forefront of technological development.

Or. en

Amendment 30
Sergey Lagodinsky

Proposal for a regulation
Recital 65

Text proposed by the Commission

(65) *Due to increased orbital traffic, astronomers encounter light and radio frequency disruptions in their astronomical campaigns. Such disruptions have a direct impact on research and planetary defence capabilities. As a result, mitigation measures should be developed to protect the dark and quiet sky.*

Amendment

(65) *The rapid expansion of satellite constellations poses significant challenges to the preservation of a dark and quiet skies, which constitutes a common heritage of humankind and a vital resource for scientific discovery and Earth safety. Increased orbital traffic and the resulting sunlight reflections, as well as electromagnetic interference, increasingly obstruct ground-based astronomical observations, thereby threatening the integrity of fundamental research and the effectiveness of planetary defence systems. In line with the recommendations of the International Astronomical Union (IAU), the United Nations COPUOS 'Dark and Quiet Skies' reports, and the internationally recognised spectrum emission limits established by the International Telecommunication Union (ITU), it is*

necessary to implement mitigation measures. Such measures should promote ‘sustainability-by-design’, including the reduction of satellite reflectivity and strict compliance with the ITU Radio Regulations regarding unwanted emissions. This is essential to ensure the protection of radio-quiet zones and the Radio Astronomy Service from interference caused by aggregate satellite transmissions. The Union should set compliance measures and lead in fostering international coordination to ensure that the deployment of space infrastructure does not irreversibly impair our ability to observe the universe or protect the Earth.

Or. en

Amendment 31
Sergey Lagodinsky

Proposal for a regulation
Recital 66

Text proposed by the Commission

(66) Constellations are an asset for the efficient deployment of space services, to the benefit of citizens and companies. However, due to their large number, their effect on the space environment is more significant than the impact of a single spacecraft. ***In addition, any catastrophic event occurring in the*** intra-constellation could trigger the Kessler event, rendering access to space impossible in the future. ***As a result, specific obligations should be imposed to constellations varying according to the*** size of a constellation.

Amendment

(66) Constellations are an asset for the efficient deployment of space services, to the benefit of citizens and companies. However, due to their large number, their effect on the space environment is more significant than the impact of a single spacecraft. ***The high density of these systems increases the probability of*** intra-constellation ***collisions which, if left unmitigated,*** could trigger the Kessler event, rendering access to space impossible in the future. ***Consequently, and in line with the differentiated regulatory approach adopted by the International Telecommunication Union (ITU) regarding the deployment milestones for large-scale systems, this Regulation should impose a tiered system of obligations. These*** obligations should be

calibrated not merely by the numerical size of a constellation, but by its overall risk profile, including orbital altitude, maneuverability capabilities, and the sophistication of its automated collision avoidance systems. Such a graduated framework ensures that while all operators contribute to space sustainability, the principle of proportionality is used and the most stringent requirements for transparency, debris mitigation, and end-of-life disposal are placed upon those systems that pose the greatest systemic risk to the long-term viability of space activities.

Or. en

Amendment 32
Sergey Lagodinsky

Proposal for a regulation
Recital 67

Text proposed by the Commission

(67) To ensure the efficiency of the key requirements laid down for the safety and sustainability in space, further technical elements should be specified in order to guarantee legal certainty for space operators.

Amendment

(67) To ensure the efficiency of the key requirements laid down for the safety and sustainability in space, further technical elements should be specified in order to guarantee legal certainty for space operators. *As the sector is fast in innovating and deploying, the use of implementing and delegated acts should complement the framework fixed in the Regulation.*

Or. en

Amendment 33
Sergey Lagodinsky

Proposal for a regulation
Recital 68

Text proposed by the Commission

Amendment

(68) To date, the cybersecurity of the space sector has been only partly addressed at Union level through a general applicable framework as laid down by Directive (EU) 2022/2555. The current cybersecurity regime does not comprehensively cover all types of actors and services which are relevant for the space sector. Therefore, cybersecurity requirements should be established as regards the providers of non-public electronic communications networks and services, the entities falling below the size-cap of medium-sized enterprises under Article 2 of the Annex to Commission Recommendation 2003/361/EC¹¹ and research and education institutions and should equally cover observation data and launches using launchers outside the Union.

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¹¹ (11) *Commission Recommendation 2003/361/EC of 6 May 2003 concerning the definition of micro, small and medium-sized enterprises (OJ L 124, 20.5.2003, p. 36, ELI: <http://data.europa.eu/eli/reco/2003/361/oj>)*

Or. en

Amendment 34
Sergey Lagodinsky

Proposal for a regulation
Recital 69

Text proposed by the Commission

Amendment

(69) At the same time, the cybersecurity baseline across the whole space sector seen in its entirety lacks alignment and coherence. While the resilience of Union-

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owned assets has been achieved under the components of the Union Space Programme, lower levels of protection may apply to part of the assets from national space infrastructure. Such divergence would only continue to grow and generate asymmetries. In addition, the Union Space Programme operates in an increasingly intertwined architecture integrating national commercial satellites payloads. Thus, the space infrastructure of Member States should adequately level-up to higher levels of resilience to also avoid endangering the security of Union-owned assets and the functioning of the Union Space Programme and ultimately avoid adversely impacting the delivery of space-based data and space services supporting activities as well as critical entities and sectors across the internal market.

Or. en

Amendment 35
Sergey Lagodinsky

Proposal for a regulation
Recital 70

Text proposed by the Commission

Amendment

(70) The current imbalance is not only caused by the fact that space programmes have been developed under parallel tracks (Union and Member State levels). It is also linked to the absence of a common baseline for cybersecurity and risk management tailored to the specific needs of space infrastructure. While only some Member States adopted a normative approach, the level or depth of such requirements varies across the internal market. The resilience of the space infrastructure depends in many cases on the financial capabilities and ultimately on the willingness of companies to adhere

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to good risk management practices and integrate cybersecurity into their design and operation of space missions.

Or. en

Amendment 36
Sergey Lagodinsky

Proposal for a regulation
Recital 71

Text proposed by the Commission

Amendment

(71) To address such gaps and imbalances, a bespoke resilience baseline should be laid down for all the space sector. These rules should apply to the entirety of space infrastructure across the Union, covering Union-owned assets as well as national governmental and non-governmental assets. All ground, space and links segments of space infrastructure should be coherently covered, as well as the digital and physical, both space and ground-based systems and subsystems, with a view to cover all relevant risks, such as cyber and electronic interferences risks as well as physical risks.

deleted

Or. en

Amendment 37
Sergey Lagodinsky

Proposal for a regulation
Recital 71 a (new)

Text proposed by the Commission

Amendment

(71 a) Cybersecurity requirements under NIS2 and this Regulation should be synchronised and coordinated, to ensure the requirements are identical for all types of entities, thereby fostering legal certainty for operators.

Amendment 38
Sergey Lagodinsky

Proposal for a regulation
Recital 72

Text proposed by the Commission

Amendment

(72) As this Regulation increases the level of harmonisation of the risk management applicable to the space sector, this higher level constitutes an increased harmonisation also in comparison with the requirements laid down in Directive (EU) 2022/2555. Consequently, this Regulation should constitute lex specialis in respect to Article 21 of Directive (EU) 2022/2555. At the same time, the space sector should preserve a strong relationship with the Union horizontal cybersecurity framework laid out in Directive (EU) 2022/2555, to ensure full consistency with the cybersecurity rules and strategies adopted by Member States and institutional set-up created by that Directive. The gap between the resilience baselines applicable to Union-owned assets and to assets of Member States assets should thus be closed. More stringent risk management requirements targeted to the space sector should thus be introduced for the space sector to achieve an increased harmonisation in comparison with the current requirements laid down in Directive (EU) 2022/2555.

deleted

Or. en

Amendment 39
Sergey Lagodinsky

Proposal for a regulation
Recital 73

Text proposed by the Commission

Amendment

(73) Ensuring the cybersecurity of space infrastructure is paramount throughout all phases of design, development and operation of space infrastructure. As a result robust risk management measures should be put in place throughout the lifecycle of space missions with due regard to all key phases. Adequate protection for all assets, systems and data, from design and manufacturing, throughout launch and operation and until the end-of-life stages should be achieved.

deleted

Or. en

**Amendment 40
Sergey Lagodinsky**

**Proposal for a regulation
Recital 74**

Text proposed by the Commission

Amendment

(74) The risk management carried out by Union space operators should revolve around risk assessments to be carried out at segment, system and component levels, based on risk scenarios, covering at least the critical assets, such as engineering systems, flight software, telemetry/telecommand unit, mission control centres, or spacecraft control centres. The list of categories of critical assets, operations and stages, throughout the lifecycle of space missions, for which such risk scenarios are to be developed by Union space operators, as well as the risk scenarios and threat modelling methods in support of such risk assessments, should be developed by the Commission.

deleted

Or. en

Amendment 41
Sergey Lagodinsky

Proposal for a regulation
Recital 75

Text proposed by the Commission

(75) ***In accordance with the principle of proportionality***, this Regulation should acknowledge the specific position of space operators which are small-sized enterprises or research or education institutions. Such categories, by virtue of size, resources, and extent of activities, ***may have a lesser impact***. The imperative objective in this case is to ensure the protection of ***critical functions and*** assets, and to address ***core risks, such as the risk of loss of control of assets with propulsion and capacity to emit interference***.

Amendment

(75) This Regulation should acknowledge the specific position of space operators which are small-sized enterprises or research or education institutions. Such categories, by virtue of size, resources, and extent of activities, ***have less resources for compliance, while the objects they design, manufacture, launch or operate pose risks that are not proportional to the entity size***. The imperative objective in this case is to ensure the protection of ***the entire space ecosystem, including the assets of other stakeholders***, and to address ***related risks through support tools that will ensure full compliance and until such time that the entity size provides sufficient resources***.

Or. en

Amendment 42
Sergey Lagodinsky

Proposal for a regulation
Recital 76

Text proposed by the Commission

(76) ***To ensure a common approach for the operation of all space infrastructure, basic rules for the identification and management of assets and the management and control of access rights, should be laid down, to safeguard accesses at the ground segment and the control of the space segment. Key elements to safeguard the resilience of assets should be set out, in particular addressing the resilience of the network and information systems, taking into***

Amendment

deleted

account the need to maintain an effective technical control of the space segment.

Or. en

Amendment 43
Sergey Lagodinsky

Proposal for a regulation
Recital 77

Text proposed by the Commission

Amendment

(77) Key minimum principles should be laid down on Union space operators to ensure sound encryption practices, through the definition of a cryptographic concept to address specific cybersecurity needs of the space missions, a bespoke policy for the management of cryptographic keys, as well as end-to-end authentication of links between satellite control centres and the space segment. **deleted**

Or. en

Amendment 44
Sergey Lagodinsky

Proposal for a regulation
Recital 78

Text proposed by the Commission

Amendment

(78) Union space operators should set-up key measures to enable swift and effective business continuity and response and recovery measures to ensure effective response to incidents and safeguard the continuity of critical operations of space missions. **deleted**

Or. en

Amendment 45
Sergey Lagodinsky

Proposal for a regulation
Recital 79

Text proposed by the Commission

Amendment

(79) *To achieve a high level of resilience of the space infrastructure, and in line with current practices, Union space operators should be required to regularly test systems, considering the risk assessments which have been carried out. Such testing may include the performance of threat-led penetration testing upon safeguards regarding the conditions to carry out such testing and the criteria to be met by the testers.*

deleted

Or. en

Amendment 46
Sergey Lagodinsky

Proposal for a regulation
Recital 80

Text proposed by the Commission

Amendment

(80) *The complexity of the supply chain in the space sector may pose specific cybersecurity risks, in light of the multiple sources that are used for the acquisition of components. The latter are often procured worldwide and may lack the needed integrity checks, especially when integrating or assembling components into various systems of space infrastructure. To address such risks, Union space operators should establish a supply chain risk management framework with dedicated strategies aimed at reducing risks in the supply chain, by deploying software integrity and authenticity controls, setting-out the criteria for choosing the software products, having due regard to the cybersecurity of the network and*

deleted

information systems temporarily interconnected, such as in the context of the provision of maintenance or support.

Or. en

Amendment 47
Sergey Lagodinsky

Proposal for a regulation
Recital 81

Text proposed by the Commission

Amendment

(81) This Regulation should be an integral part of the general Union framework for the resilience of critical entities. As regards the Union-owned assets, and in accordance with Regulation (EU) 2021/696, Member States were required, in the context of Council Directive 2008/114/EC¹², now succeeded by Directive 2022/2557, to ensure, for the protection of ground infrastructure located on their territory that is part of the Union Space Programme, measures which are at least equivalent to those laid down in the context of the transposition of that Directive. To ensure full coherence with the current Union rules on the resilience of critical entities and to preserve the full continuity in the relationship between the general updated resilience regime and the harmonised rules in the area of space, in the context of this Regulation, a similar approach should be taken as regards the relationship between Directive (EU) 2022/2557 and this Regulation. Thus, in respect of the physical resilience of the ground segment, all Union space operators should apply the measures laid down in this Regulation, ensuring they are at least equivalent to those measures taken pursuant to Directive (EU) 2022/2557. Moreover, it should be clarified that Union space operators, as

deleted

defined and covered by this Regulation, may be identified as critical entities under Directive (EU) 2022/2557, when they are operators of the ground based infrastructure referred to in point (10) of the Annex to that Directive. That Directive hence covers space operators in scope of this Regulation insofar as they are identified by Member States as critical entities. On the other hand, this Regulation should cover all space operators, whether or not identified as critical entities under that Directive. Finally, it should be clarified that the ground segment as defined and covered by this Regulation is to be understood as covering the ground based infrastructure referred to in that Directive.

¹² (12) Council Directive 2008/114/EC of 8 December 2008 on the identification and designation of European critical infrastructures and the assessment of the need to improve their protection (OJ L 345, 23.12.2008, p. 75 ELI: <http://data.europa.eu/eli/dir/2008/114/oj>).

Or. en

Amendment 48
Sergey Lagodinsky

Proposal for a regulation
Recital 82

Text proposed by the Commission

(82) Directive (EU) 2022/2557 sets out key minimum harmonisation rules aimed at enhancing the resilience of critical entities and improving the cross-border cooperation between competent authorities. Directive (EU) 2022/2557 should remain the foundation for the physical resilience of critical entities operating ground based infrastructure in scope of that Directive and

Amendment

(82) Directive (EU) 2022/2557 sets out key minimum harmonisation rules aimed at enhancing the resilience of critical entities and improving the cross-border cooperation between competent authorities. Directive (EU) 2022/2557 should remain the foundation for the physical resilience of critical entities operating ground based infrastructure in scope of that Directive and

covered by this Regulation. For these entities, this Regulation should apply without prejudice to ***and in complementarity with*** Directive (EU) 2022/2557. The resilience of the critical entities in scope of Directive (EU) 2022/2557 should be ensured in accordance with that Directive. The critical infrastructure that these entities operate may comprise control centres, antennae, testing facilities, sites, including launch sites, physical equipment and components, hardware, systems and subsystems part of space infrastructure, engineering systems, power systems and propulsion systems.

covered by this Regulation. For these entities, this Regulation should apply without prejudice to Directive (EU) 2022/2557. The resilience of the critical entities in scope of Directive (EU) 2022/2557 should be ensured in accordance with that Directive. The critical infrastructure that these entities operate may comprise control centres, antennae, testing facilities, sites, including launch sites, physical equipment and components, hardware, systems and subsystems part of space infrastructure, engineering systems, power systems and propulsion systems.

Or. en

Amendment 49
Sergey Lagodinsky

Proposal for a regulation
Recital 86

Text proposed by the Commission

(86) Further to setting key rules on incident handling and investigation, an incident reporting mechanism by Union space operators of Union-owned assets, in the context of the Union Space Programme, should be established, filling existing gaps in the incident reporting. The Agency should acquire access to information on significant incidents for all components of the Union Space Programme through the security monitoring centre structure established in the context of the Union Space Programme, providing support and around-the-clock monitoring of the relevant systems' security. To achieve coherence with the general framework on cybersecurity, such mechanism should be aligned with the incident reporting laid down by Directive (EU) 2022/2555.

Amendment

deleted

Amendment 50
Sergey Lagodinsky

Proposal for a regulation
Recital 87

Text proposed by the Commission

Amendment

(87) Moreover, as regards the reporting of significant incidents affecting the space infrastructure of Member States, this Regulation should be without prejudice to any of the incident reporting requirements currently laid down by Directive (EU) 2022/2555 or Directive (EU) 2022/2557. Consequently, the reporting rules under these two Directives should continue to fully apply to Union space operators that are as essential or important entities, and respectively critical entities, under those Directives. **deleted**

Or. en

Amendment 51
Sergey Lagodinsky

Proposal for a regulation
Recital 88

Text proposed by the Commission

Amendment

(88) The supervisory authorities established by Directives (EU) 2022/2555 and (EU) 2022/2557 may be different from the competent authorities designated or set-up under this Regulation. With a view to enhancing the understanding and awareness of such competent authorities as regards the magnitude and impact of the significant incidents affecting the space infrastructure, Union space operators should report significant incidents affecting national assets of **deleted**

space infrastructure to the competent authorities under this Regulation which in turn should pass on related summary information to the Agency.

Or. en

Amendment 52
Sergey Lagodinsky

Proposal for a regulation
Recital 89

Text proposed by the Commission

Amendment

(89) Coordination and regular exchanges between the Agency and the national competent authorities should be established to streamline the incident reporting in the space sector and achieve consistent approaches across the Union in relation to the handling of significant incidents affecting space infrastructure. The Union Space Resilience Network (EUSRN) should play an important role in building such consistency and ensuring coordination with the relevant structures established by the general cybersecurity and resilience frameworks laid down by Directives (EU) 2022/2555 and (EU) 2022/2557, in particular with the computer security incident response teams network and the European cyber crisis liaison organisation network (EU-CyCLONe) set-up under Directive (EU) 2022/2555, for instance providing situational updates or where significant incidents of space infrastructure may impact sectors and services falling in the scope of those Directives. In particular, the workings of the EUSRN would also be instrumental in steering proposals for solutions to streamline the cyber incident reporting across the space sector, to align to the simplification approach in the context of NIS 2, thereby paving the way for full convergence of the space and

deleted

cyber sectors, for the benefit of the entire space community

Or. en

Amendment 53
Sergey Lagodinsky

Proposal for a regulation
Recital 93

Text proposed by the Commission

(93) Harmonised rules on environmental sustainability should be laid down to achieve the internal market potential and promote the environmental sustainability in the space sector, preventing market fragmentation and advancing the transition to a just, *climate-neutral*, resource-efficient and circular economy.

Amendment

(93) Harmonised rules on environmental sustainability should be laid down to achieve the internal market potential and promote the environmental sustainability in the space sector, preventing market fragmentation and advancing the transition to a just, *climate- neutral*, resource-efficient and circular economy. ***The objective should be to achieve carbon neutrality within the European space sector, taking into account high-atmosphere emissions, by 2050.***

Or. en

Amendment 54
Sergey Lagodinsky

Proposal for a regulation
Recital 93 a (new)

Text proposed by the Commission

Amendment

(93 a) There is growing evidence of the negative impacts of space activities on the climate and the ozone layer, deriving mainly from the release of soot, alumina, water vapor and NOx. While the space sector currently accounts for a small share of emissions compared with other sectors, the environmental impacts of a single launch are significantly higher than that of an aircraft flight, and these impacts are expected to become more

substantial as space activities continue to grow. Scientists also increasingly point to other forms of environmental harm caused by space activities, including soil and air pollution generated during launches, and the pollution of the Pacific Ocean caused by spacecraft waste. There is a real risk that space activities undermine the recovery of the ozone layer observed since the adoption of the Montreal Protocol. Expanding space activities may also jeopardise the Union's objective of achieving climate neutrality by 2050, as well as the targets set out in the Union's zero-pollution strategy. It is therefore essential that space operators investigate both the negative climate-, ozone- and environment-related impacts of their activities and the means of mitigating them, for instance through the use of lower-emissions propellants and through adjustments to spacecraft design, material use and trajectories. The Commission should provide a trajectory for reducing emissions of the space sector that is compatible with the Union's trajectory towards climate neutrality by 2050. The Commission should also support industry's efforts by assessing the potential use of alternative propellants with lower climate and environmental footprint. Replacing propellants currently in use should additionally reduce hazards to human health, including carcinogenicity.

Or. en

Amendment 55
Sergey Lagodinsky

Proposal for a regulation
Recital 94

Text proposed by the Commission

Amendment

(94) A shift towards circular economy-

(94) ***The space sector is responsible for***

based and sustainable practices in space should support the long-term sustainable use of resources in space activities. By starting to embrace the circular economy principles, the space industry should adopt more sustainable practices known to be effective, while also drive innovation towards new products with reduced environmental impact. In this regard ISOS should also be key to facilitating this shift toward sustainability and a circular economy in space.

the growing use of resources and materials, including raw materials that are critical for the Union's strategic autonomy and resilience. A shift towards circular economy-based and sustainable practices in space should support the long-term sustainable use of resources in space activities. By starting to embrace the circular economy principles, the space industry should adopt more sustainable practices known to be effective, while also drive innovation towards new products with reduced environmental impact ***including products that are more repairable, serviceable, reusable, and recyclable.*** In this regard ISOS should also be key to facilitating this shift toward sustainability and a circular economy in space.

Or. en

Amendment 56
Sergey Lagodinsky

Proposal for a regulation
Recital 96

Text proposed by the Commission

(96) Space operators should consequently be required to calculate the environmental footprint of their space activities throughout the lifecycle of space missions. A certificate should be issued by a qualified technical body for space activities carrying out the verification and validation of the calculation of the environmental footprint of space activities, to attest *it*.

Amendment

(96) Space operators should consequently be required to calculate the environmental footprint of their space activities throughout the lifecycle of space missions. A certificate should be issued by a qualified technical body for space activities carrying out the verification and validation of the calculation of the environmental footprint of space activities, to attest ***correct footprint calculation.***

Or. en

Amendment 57
Sergey Lagodinsky

Proposal for a regulation
Recital 111

Text proposed by the Commission

(111) Acknowledging the need for preserving flexible arrangements, Member States should remain free to choose to rely on the support of the Agency or international organisations with technical expertise for carrying out such technical assessments.

Amendment

(111) Acknowledging the need for preserving flexible arrangements, Member States should remain free to choose to rely on the support of the Agency or international organisations with technical expertise for carrying out such technical assessments *in accordance with international agreements*.

Or. en

Amendment 58
Sergey Lagodinsky

Proposal for a regulation
Recital 118 a (new)

Text proposed by the Commission

Amendment

(118 a) Whereas small and medium-sized enterprises, educational and research institutions constitute the backbone of innovation within the Union space ecosystem, driving the development of disruptive technologies and downstream applications, the introduction of new regulatory compliance requirements, even when facilitating the access to the wider EU market, is a challenge that is harder to complete than for the larger industrial prime contractors. To ensure a level playing field and to foster the competitiveness of the Union's space industrial base, it is necessary to establish dedicated support measures, that may take the form of an administrative structure within the Agency. This structure should provide specific, procedural assistance and regulatory guidance to qualified entities, thereby reducing the time-to-market for space assets and ensuring full compliance with Union resilience and

sustainability goals without diverting critical resources from research and development activities. The target of such support should be micro and small enterprises within the meaning of Commission Recommendation 2003/361/EC, and educational and research institutions established in the Union.

Or. en

Amendment 59
Sergey Lagodinsky

Proposal for a regulation
Recital 131

Text proposed by the Commission

(131) With a view to facilitating and accompany the implementation of the requirements laid down by this Regulation, a set of supporting and accompanying measures should be in place until, and throughout, its implementation. These measures would consist in the provision of guidance and assistance to space operators in the preparation of technical dossiers for authorisation or registration on matters covered by this Regulation, as well as of a set of measures for capacity building and funding.

Amendment

(131) With a view to facilitating and accompany the implementation of the requirements laid down by this Regulation, a set of supporting and accompanying measures should be in place until, and throughout, its implementation. These measures would consist in the provision of guidance and assistance to space operators in the preparation of technical dossiers for authorisation or registration on matters covered by this Regulation, as well as of a set of measures for capacity building and *dedicated funding through proper budgetary allocation.*

Or. en

Amendment 60
Sergey Lagodinsky

Proposal for a regulation
Recital 133

Text proposed by the Commission

(133) In the area of environmental sustainability, the Commission should

Amendment

(133) In the area of environmental sustainability, the Commission should

further specify, by implementing acts, rules including a specific methodology for the calculation and verification of the environmental footprint of space activities.

further specify, by implementing acts, rules including a specific methodology for the calculation and verification of the environmental footprint of space activities, ***including but not limited to high-atmosphere emissions of space activities and the impact of launches and reentry events on the ozone layer.***

Or. en

Amendment 61 **Sergey Lagodinsky**

Proposal for a regulation **Recital 135**

Text proposed by the Commission

(135) To ensure uniform conditions for the implementation of this Regulation, implementing powers should be conferred on the Commission to grant, on the basis of a detailed assessment, equivalence decisions, to grant derogations for launchers where ***a public interest condition is*** met, to allow a third country public entity to provide space services or space-based data in the Union ***until the conclusion of*** international agreements, to develop measures for launch collision avoidance, casualty risk at launch and re-entry, launcher space debris mitigation, spacecraft trackability, orbital traffic rules, spacecraft positioning in orbit, spacecraft space debris mitigation, spacecraft constellations, to specify the content and templates for reporting of significant incidents, to specify the method of calculation and verification of the EF of space activities and the templates and content for the reporting as regards the Environmental Footprint Declaration, to specify the design principles for SSIs and Composable and Exchangeable Functional Satellite Modules for ISOS, to lay down the common specifications covering the

Amendment

(135) To ensure uniform conditions for the implementation of this Regulation, implementing powers should be conferred on the Commission to grant, on the basis of a detailed assessment, equivalence decisions, to grant derogations for launchers where ***conditions are*** met, to allow a third country public entity to provide space services or space-based data in the Union ***based on*** international agreements ***under reciprocal access***, to develop measures for launch collision avoidance, casualty risk at launch and re-entry, launcher space debris mitigation, spacecraft trackability, orbital traffic rules, spacecraft positioning in orbit, spacecraft space debris mitigation, spacecraft constellations, to specify the content and templates for reporting of significant incidents, to specify the method of calculation and verification of the EF of space activities and the templates and content for the reporting as regards the Environmental Footprint Declaration, to specify the design principles for SSIs and Composable and Exchangeable Functional Satellite Modules for ISOS, to lay down the common specifications covering the

technical requirements for the e-certificate and for the dark and quiet skies, to lay down templates for the Union Space Label Schemes and to adopt new or amended Union Space Labelling Schemes. Those powers should be exercised in accordance with Regulation (EU) No 182/2011 of the European Parliament and of the Council¹⁷.

¹⁷ (17) Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers (OJ L 55, 28.2.2011, p. 13, ELI: <http://data.europa.eu/eli/reg/2011/182/oj>).

technical requirements for the e-certificate and for the dark and quiet skies, to lay down templates for the Union Space Label Schemes and to adopt new or amended Union Space Labelling Schemes. Those powers should be exercised in accordance with Regulation (EU) No 182/2011 of the European Parliament and of the Council⁽¹⁷⁾.

¹⁷ (17) Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers (OJ L 55, 28.2.2011, p. 13, ELI: <http://data.europa.eu/eli/reg/2011/182/oj>).

Or. en

Amendment 62 **Sergey Lagodinsky**

Proposal for a regulation **Recital 138**

Text proposed by the Commission

(138) Compliance with the environmental sustainability rules by space operators which are small-sized enterprises or research or education institutions should be required 48 months from the date of entry into force of this Regulation while the requirements related to the provision of ISOS should apply 60 months from the date of entry into force of this Regulation.

Amendment

deleted

Or. en

Amendment 63 **Sergey Lagodinsky**

Proposal for a regulation
Recital 140

Text proposed by the Commission

(140) Space operators should be provided with a sufficient time to adapt to the requirements laid down in this Regulation. This Regulation should therefore apply 24 months after its entry into force.

Amendment

deleted

Or. en

Amendment 64
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – introductory part

Text proposed by the Commission

2. To achieve a high common level of safety, resilience and environmental sustainability *of space services* through the operation and use of space infrastructure *generating space-based data*, this Regulation lays down harmonised rules on:

Amendment

2. To achieve a high common level of safety, resilience and environmental sustainability through the operation and use of space infrastructure *when providing services and data in the Union*, this Regulation lays down harmonised rules on:

Or. en

Amendment 65
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point a

Text proposed by the Commission

(a) authorisation, registration and supervision of space activities carried out by space services providers established in the Union, *and respectively, registration and supervision of space activities carried out by international organisations and space services providers established in third countries* when providing space-

Amendment

(a) authorisation, registration and supervision of space activities carried out by space services providers established in the Union when providing space-based data or space services in the Union;

based data or space services in the Union,
*with respect to matters of safety, resilience
and environmental sustainability of space
activities;*

Or. en

Amendment 66
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point a a (new)

Text proposed by the Commission

Amendment

*(a a) safety, resilience and
environmental sustainability of space
infrastructure;*

Or. en

Amendment 67
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point a b (new)

Text proposed by the Commission

Amendment

*(a b) registration and supervision of
space activities carried out by
international organisations when
providing services and data in the Union;*

Or. en

Amendment 68
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point a c (new)

Text proposed by the Commission

Amendment

*(a c) registration and supervision of
space activities carried out by space*

*operators established in third countries
when providing services and data in the
Union;*

Or. en

Amendment 69
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point b

Text proposed by the Commission

(b) *orbit* traffic management *rules*,
through the provision of *collision*
avoidance services;

Amendment

(b) *space* traffic management through
the provision of services;

Or. en

Amendment 70
Sergey Lagodinsky

Proposal for a regulation
Article 1 – paragraph 2 – point c

Text proposed by the Commission

(c) governance and enforcement
aspects;

Amendment

(c) governance and enforcement
powers at Member States-level and
Union-level;

Or. en

Amendment 71
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 1 – point d

Text proposed by the Commission

(d) *international organisations*.

Amendment

deleted

Or. en

Amendment 72
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 2

Text proposed by the Commission

Amendment

2. The provisions of Title IV, Chapters I and V, do not apply to orbits further than the geostationary Earth orbit (GEO).

deleted

Or. en

Amendment 73
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 3 – point a

Text proposed by the Commission

Amendment

(a) space objects exclusively used for defence ***or national security*** purposes, irrespective of which space services provider carries out the space activities;

(a) space objects ***owned by Member States or the Union*** exclusively used for defence purposes, irrespective of which space services provider carries out the space activities;

Or. en

Amendment 74
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 3 – point b

Text proposed by the Commission

Amendment

(b) ***space objects that have been temporarily placed for defence purposes under a military operation and control, for the duration of the respective space mission;***

deleted

Or. en

Amendment 75
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 3 – point d

Text proposed by the Commission

(d) assets launched before **1 January 2030**.

Amendment

(d) assets launched before ***the entry into force of this Regulation***.

Or. en

Amendment 76
Sergey Lagodinsky

Proposal for a regulation
Article 2 – paragraph 4

Text proposed by the Commission

4. The requirements laid down in Title IV, Chapter I, regarding the design and manufacture of space objects shall apply to space objects where their operation generates space-based data that are used in the Union or enables the provision of space services in the Union.

Amendment

deleted

Or. en

Amendment 77
Sergey Lagodinsky

Proposal for a regulation
Article 3 – paragraph 1

Text proposed by the Commission

1. Member States shall not restrict, for reasons ***related to the safety, resilience and environmental sustainability, as covered by this Regulation***, the provision of ***space-based*** data and space services in the Union by space services providers registered in the Union register of space

Amendment

1. Member States shall not restrict, for reasons ***other than defence purposes***, the provision of ***space-based*** data and space services in the Union by space services providers registered in the Union register of space objects referred to in Article 24.

objects referred to in Article 24.

Or. en

Amendment 78
Sergey Lagodinsky

Proposal for a regulation
Article 4

Text proposed by the Commission

Amendment

Article 4

deleted

National security clause

This Regulation shall be without prejudice to the responsibilities of Member States for safeguarding national security and other essential State functions.

Or. en

Amendment 79
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 1

Text proposed by the Commission

Amendment

(1) ‘space object’ means ***a human-made*** object ***sent*** to outer space, including a spacecraft and the launch vehicle ***orbital stage***;

(1) ‘space object’ means ***an*** object ***launched*** to outer ***space, or assembled in*** space, including a spacecraft and the launch vehicle ***or parts thereof***;

Or. en

Amendment 80
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 2

Text proposed by the Commission

Amendment

(2) ‘spacecraft’ means a space object

(2) ‘spacecraft’ means a space object

designed to perform a specific function or space mission, such as providing services of communications, navigation or observation, or providing in-space operations and services, including a satellite, the launcher upper stages, or the re-entry vehicle;

designed to perform a specific function or space mission, such as providing services of communications, navigation or observation, or providing in-space operations and services, including a satellite, the *maneuverable* launcher upper stages, or the re-entry vehicle;

Or. en

Amendment 81
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 3

Text proposed by the Commission

(3) ‘constellation’ means a group of space objects consisting of at least **10** operational *spacecraft*, **but not more than 99 of those spacecraft**, working together for a common space mission, subject to **a predefined** orbital deployment plan;

Amendment

(3) ‘constellation’ means a group of space objects consisting of at least **two** operational *spacecrafts* working together for a common space mission, subject to **an** orbital deployment plan;

Or. en

Amendment 82
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 4

Text proposed by the Commission

(4) ‘mega constellation’ means a constellation that contains at least 100 operational spacecraft, **but not more than 999 of those spacecraft**;

Amendment

(4) ‘mega constellation’ means a constellation that contains at least 100 operational spacecraft;

Or. en

Amendment 83
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 5

Text proposed by the Commission

Amendment

(5) *‘giga constellation’ means a constellation that contains at least 1000 operational spacecraft;*

deleted

Or. en

Amendment 84
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 6

Text proposed by the Commission

Amendment

(6) *‘GEO protected region’ means a segment of the spherical shell defined by the following: lower altitude = geostationary altitude minus 200 km upper altitude = geostationary altitude plus 200 km -15 degrees ≤ latitude ≤ +15 degrees geostationary altitude (35.786 km is the altitude of the geostationary Earth orbit);*

deleted

Or. en

Amendment 85
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 7

Text proposed by the Commission

Amendment

(7) *‘mini-satellite class’ means a class of satellites with a weight equal or superior to 201 kg and inferior to 600kg;*

deleted

Or. en

Amendment 86
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 8

Text proposed by the Commission

(8) ‘space mission’ means a *user defined* mission to be achieved by a space object;

Amendment

(8) ‘space mission’ means a *predefined* mission to be achieved by a space object;

Or. en

Amendment 87
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 11

Text proposed by the Commission

(11) ‘space segment’ means the segment of space infrastructure located in outer space, including space objects, space stations, space probes, *crewed* space transportation systems and onboarded hardware and software in the information systems and other onboarded material or equipment;

Amendment

(11) ‘space segment’ means the segment of space infrastructure located in outer space, including space objects, space stations, space probes, space transportation systems and onboarded hardware and software in the information systems and other onboarded material or equipment;

Or. en

Amendment 88
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – introductory part

Text proposed by the Commission

(13) ‘space activities’ means a set of operations *when carrying out activities in outer space, in particular:*

Amendment

(13) ‘space activities’ means a set of operations *involving space objects, conducted by a space operator for the purpose of providing space-based data or space services;*

Amendment 89
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point a

Text proposed by the Commission

Amendment

(a) *operation and control of space objects, including for re-entry;* *deleted*

Or. en

Amendment 90
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point b

Text proposed by the Commission

Amendment

(b) *launch services, including launch attempts;* *deleted*

Or. en

Amendment 91
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point c

Text proposed by the Commission

Amendment

(c) *operation and maintenance of launch sites and facilities;* *deleted*

Or. en

Amendment 92
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point d

Text proposed by the Commission

Amendment

(d) activities in relation to the exploration of outer space, such as human spaceflight, space transport and conducting experiments, including of scientific nature, in outer space;

deleted

Or. en

Amendment 93
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point e

Text proposed by the Commission

Amendment

(e) activities in relation to the use and management of space objects in outer space, such as in-space operations and services (ISOS);

deleted

Or. en

Amendment 94
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point f

Text proposed by the Commission

Amendment

(f) operations that entail the monitoring of space debris;

deleted

Or. en

Amendment 95
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 13 – point g

Text proposed by the Commission

Amendment

(g) *operations that entail the disposal of space debris;*

deleted

Or. en

Amendment 96
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 14 – point b

Text proposed by the Commission

Amendment

(b) provision of launch services, *as well as provision of services of operation and maintenance of the launch sites;*

(b) provision of launch services;

Or. en

Amendment 97
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 14 – point d

Text proposed by the Commission

Amendment

(d) in-space *services and* operations (ISOS);

(d) in-space operations *and services* (ISOS);

Or. en

Amendment 98
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 15

Text proposed by the Commission

Amendment

(15) ‘space services provider’ means a provider of space services *covered by this Regulation;*

(15) ‘space services provider’ means a provider of space services *as defined in point 14 of this Article or space-based*

data as defined in point 12 of this Article;

Or. en

Amendment 99
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 16 – introductory part

Text proposed by the Commission

Amendment

(16) ‘space operator’ means a public or private entity that operates the space infrastructure, by carrying out at least one of the *following* space services, *based on authorisation or a specific regime for carrying out a national space programme:*

(16) ‘space operator’ means a public or private entity that operates the space infrastructure *in the Union*, by carrying out at least one of the space services *as defined in point 14 of this Article;*

Or. en

Amendment 100
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 16 – point a

Text proposed by the Commission

Amendment

(a) *operation, control and return of a space object (‘spacecraft operator’);*

deleted

Or. en

Amendment 101
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 16 – point b

Text proposed by the Commission

Amendment

(b) *operation, control and monitoring of the launch process of a space object (‘launch operator’);*

deleted

Or. en

Amendment 102
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 16 – point c

Text proposed by the Commission

Amendment

(c) *operation, control and maintenance of facilities at the ground segment of space infrastructure used for the launch process ('launch site operator');*

deleted

Or. en

Amendment 103
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 16 – point d

Text proposed by the Commission

Amendment

(d) *operation and control of a space object for the purposes of provision of in-space operation and service, including to other space objects ('ISOS provider');*

deleted

Or. en

Amendment 104
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 17

Text proposed by the Commission

Amendment

(17) 'Union space operator' means a space operator established in the Union, or controlled by a natural person or a legal person that is a space services provider established in the Union;

(17) 'Union space operator' means a space operator established in the Union, or controlled by a natural person or a legal person that is a space services provider established in the Union, **and provides**

space services within the Union;

Or. en

Amendment 105
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 19 – introductory part

Text proposed by the Commission

(19) ‘third country space operator’ means a space operator established in a third country which carries out any of the following:

Amendment

(19) ‘third country space operator’ means a space operator established in a third country which carries out *in the Union* any of the following:

Or. en

Amendment 106
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 19 – point a

Text proposed by the Commission

(a) provides space services *to Union space operators, or in relation to the space assets defined in points (20) and (21),*

Amendment

(a) provides space services,

Or. en

Amendment 107
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 21

Text proposed by the Commission

(21) ‘governmental or non-governmental space assets’ means assets other than those defined in point (20), whether publicly or privately owned, operated by a public authority or a private

Amendment

(21) ‘governmental or non-governmental space assets’ means assets other than those defined in point (20), whether publicly or privately owned, operated by a public authority or a private

party established in a Member State,
*including dual use assets placed under
civilian control;*

party established in a Member State;

Or. en

Amendment 108
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 22 – introductory part

Text proposed by the Commission

Amendment

(22) ‘primary providers of space-based data’ means *space services providers, established in the Union or in a third country, that initiate the first processing of space-based data which is technically sufficient to enable any subsequent provision of space-based data,* as follows:

(22) ‘primary providers of space-based data’ means *natural or legal persons that provide space-based data for the first time in the Union market, with a view to its distribution or use within the Union market, in return for payment or free of charge* as follows:

Or. en

Amendment 109
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 23

Text proposed by the Commission

Amendment

(23) ‘*international organisation*’ means *an international organisation providing in the Union space services or space-based data generated by space objects placed on an orbit not further than GEO and operated by such international organisations;*

deleted

Or. en

Amendment 110
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 24

Text proposed by the Commission

(24) ‘collision avoidance *space* services provider’ means a provider of collision avoidance services, including the Collision Avoidance entity (CA entity) in the Union, or collision avoidance providers established in a third country;

Amendment

(24) ‘collision avoidance services provider’ means a provider of collision avoidance services, including the Collision Avoidance entity (CA entity) in the Union, or collision avoidance providers established in a third country;

Or. en

Amendment 111
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 25

Text proposed by the Commission

(25) ‘research and education institution’ means a space services provider which carries out space activities for *experimental* purposes, *whether or not exploiting the results of that research for commercial purposes*;

Amendment

(25) ‘research and education institution’ means a space services provider which carries out space activities for *research and innovation activities or educational* purposes *as one of its main objectives*;

Or. en

Amendment 112
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 28

Text proposed by the Commission

(28) ‘*entities applying a simplified risk management*’ means *space operators that are small enterprises or research or education institutions and apply the simplified risk management referred in Article 10(3) and in Article 15(2)*;

Amendment

deleted

Or. en

Amendment 113
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 31

Text proposed by the Commission

(31) ‘launch service’ means a service intended to place a space object in orbit, including launch *attempts*;

Amendment

(31) ‘launch service’ means a service intended to place a space object in orbit, including launch, *re-entry, recovery, and re-use*;

Or. en

Amendment 114
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 35

Text proposed by the Commission

(35) ‘*conjunction data messages*’ means *information about a conjunction between two space objects*;

Amendment

deleted

Or. en

Amendment 115
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 36

Text proposed by the Commission

(36) ‘collision avoidance’ means the execution of *collision avoidance* manoeuvres to reduce the *risk* of collision in outer space;

Amendment

(36) ‘collision avoidance’ means the *process of identifying potential collisions between a spacecraft and another object and, if necessary, the* execution of manoeuvres to reduce the *risj* of collision in outer space;

Or. en

Amendment 116
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 37

Text proposed by the Commission

Amendment

(37) *‘delta V’ means the velocity increment necessary to reach a specific orbit or flight path;*

deleted

Or. en

Amendment 117
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 38

Text proposed by the Commission

Amendment

(38) *‘object of interest’ means any object involved in any situation that could affect the other space objects or the situation on Earth;*

deleted

Or. en

Amendment 118
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 39

Text proposed by the Commission

Amendment

(39) *‘re-entry’ means the **permanent** return of a space object into the Earth’s atmosphere;*

(39) *‘re-entry’ means the return of a space object into the Earth’s atmosphere **from outer space**;*

Or. en

Amendment 119
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 42

Text proposed by the Commission

(42) ‘end of life’ means the instant when a spacecraft or a launch **vehicles** orbital stage **is permanently turned off, nominally as it** completes its disposal phase, re-enters the Earth’s atmosphere, or can no longer be controlled by a space operator;

Amendment

(42) ‘end of life’ means the instant when a spacecraft or a launch **vehicle's** orbital stage **completes the tasks for which it has been designed,** completes its disposal phase, re-enters the Earth’s atmosphere, or can no longer be controlled by a space operator;

Or. en

Amendment 120
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 43

Text proposed by the Commission

(43) ‘**end of mission**’ means the phase when a spacecraft or launch vehicle orbital stage completes the tasks for which it has been designed, other than its disposal, becomes non-functional as a consequence of a failure, or is permanently halted through a voluntary decision;

Amendment

deleted

Or. en

Amendment 121
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 45

Text proposed by the Commission

(45) ‘space debris’ means any space object, including spacecraft or fragments and elements thereof, in Earth’s orbit and lunar’s orbit, or re-entering Earth’s

Amendment

(45) ‘space debris’ means any **non-functional** space object, including spacecraft or fragments and elements thereof, in Earth’s orbit and lunar’s orbit,

atmosphere or lunar's exosphere, *that are non-functional or no longer serve any specific purpose, including parts of rockets or artificial satellites, or inactive artificial satellites;*

or re-entering Earth's atmosphere or lunar's exosphere;

Or. en

Amendment 122
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 48

Text proposed by the Commission

Amendment

(48) 'critical infrastructure' means critical infrastructure as defined in Article 2, point (4), of Directive (EU) 2022/2557;

deleted

Or. en

Amendment 123
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 49

Text proposed by the Commission

Amendment

(49) 'mission control centre' means the element in the ground segment dedicated to the control and monitoring of the execution of a space mission;

deleted

Or. en

Amendment 124
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 50

Text proposed by the Commission

Amendment

(50) 'satellite control centre' means the

deleted

element of the ground segment dedicated to the control of the satellite platform configuration;

Or. en

Amendment 125
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 51

Text proposed by the Commission

Amendment

(51) *‘effective technical control’ means the assurance of a space operator that a space object only executes commands transmitted by authorized sources and that those commands are executed in the proper order and at the intended moment;* *deleted*

Or. en

Amendment 126
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 52

Text proposed by the Commission

Amendment

(52) *‘telemetry/telecommand’ means the links that transmit the telemetry from the space segment to the ground segment and the links that send the telecommand from the ground segment to the space segment;* *deleted*

Or. en

Amendment 127
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 53

Text proposed by the Commission

Amendment

(53) ‘resilience’ means the ability to prevent, ***protect against, respond and resist***, mitigate, ***absorb, accommodate***, and recover from an incident;

(53) ‘resilience’ means the ability to prevent, mitigate, and recover from an incident;

Or. en

Amendment 128
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 55

Text proposed by the Commission

Amendment

(55) ‘***significant cyber threat***’ means ‘***significant cyber threat***’ as defined in Article 6, point (11), of Directive (EU) 2022/2555;

deleted

Or. en

Amendment 129
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 56

Text proposed by the Commission

Amendment

(56) ‘***incident***’ means an event ***compromising any of the following***:

(a) ***the availability, authenticity, integrity or confidentiality of the stored, transmitted or processed data, or of the services offered by, or accessible via, network and information systems, or***

(b) ***the physical security of the assets of space infrastructure and of space operators***;

deleted

Or. en

Amendment 130
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 57

Text proposed by the Commission

Amendment

(57) ‘incident handling’ means ‘incident handling’ as defined in Article 6, point (8), of Directive (EU) 2022/2555;

deleted

Or. en

Amendment 131
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 58

Text proposed by the Commission

Amendment

(58) ‘additional impact categories’ means categories of environmental information that fall outside the environmental footprint (EF) impact categories calculated and communicated alongside product environmental footprint (PEF) results;

deleted

Or. en

Amendment 132
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 61

Text proposed by the Commission

Amendment

(61) ‘disaggregation’ means the process that breaks down an aggregated dataset into smaller horizontal or vertical unit process datasets;

deleted

Or. en

Amendment 133
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 62

Text proposed by the Commission

Amendment

(62) ‘derived dataset’ means a dataset obtained by combining, through mathematical operations, two or more datasets or by combining at least one dataset with substantial additional information or other datasets; **deleted**

Or. en

Amendment 134
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 63

Text proposed by the Commission

Amendment

(63) ‘in-space operations and services (ISOS)’ means activities carried out in space (on orbit and in outer space), with a view to provide services on assets in the space segment and which include the performance of tasks such as inspection, rendezvous, docking, repair, refuel, reconfiguration, manufacturing, assembling and disassembling, re-use, recycling, removal and transport of operational, non-operational and defective objects (debris) in space, with a servicer spacecraft with a high degree of autonomy, including platforms or larger structures; **deleted**

Or. en

Amendment 135
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 64

Text proposed by the Commission

Amendment

(64) *‘ISOS operation’ means the execution of the planned ISOS tasks involving one or more space objects;*

deleted

Or. en

Amendment 136
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 65

Text proposed by the Commission

Amendment

(65) *‘ISOS servicer spacecraft’ means a spacecraft specifically designed for the purpose of providing specific ISOS;*

deleted

Or. en

Amendment 137
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 66

Text proposed by the Commission

Amendment

(66) *‘client spacecraft’ means a spacecraft that receives ISOS;*

deleted

Or. en

Amendment 138
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 67

Text proposed by the Commission

Amendment

(67) *‘competent authority’ means a public authority established or designated as competent authority in accordance with Article 28;*

deleted

Or. en

Amendment 139
Sergey Lagodinsky

Proposal for a regulation
Article 5 – paragraph 1 – point 72

Text proposed by the Commission

Amendment

(72) *‘turnover’ means the amount derived by an undertaking within the meaning of Article 5(1) of Council Regulation (EC) No 139/2004;*

deleted

Or. en

Amendment 140
Sergey Lagodinsky

Proposal for a regulation
Title II – Chapter I – title

Text proposed by the Commission

Amendment

I AUTHORISATION OF UNION
SPACE *OPERATORS*

INTERNAL MARKET
AUTHORISATION OF UNION SPACE
ACTIVITIES

Or. en

Amendment 141
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 1

Text proposed by the Commission

1. **Union** space operators shall not provide space services unless they have obtained in a Member State an authorisation to carry out space activities which demonstrate compliance with the requirements laid down in Title IV, Chapters I to V, **as applicable**, depending on the category of space operator concerned.

Amendment

1. Space operators shall not provide space services **in the Union** unless they have obtained in a Member State an authorisation to carry out space activities which demonstrate compliance with the requirements laid down in Title IV, Chapters I to V depending on the category of space operator concerned.

Or. en

Justification

This is a horizontal amendment, to be applied where relevant, replacing Union space operators with space operators in general, in line with the principle of equal application of the act to those operating in EU.

Amendment 142
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1 a. The authorisation shall be issued by the competent authority of the Member State where that applicant intends to operate or respectively launch.

Or. en

Amendment 143
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 2

Text proposed by the Commission

Amendment

2. A Member State shall recognise the authorisations issued by another Member

2. A Member State shall recognise the authorisations issued by another Member

State *as regards the requirements laid down in Title IV, Chapters I to V.*

State. *The competent authorities of those Member States shall ensure coordination to facilitate their respective authorisation processes.*

Or. en

Amendment 144
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 3 – subparagraph 1

Text proposed by the Commission

Amendment

An authorisation shall be issued by the competent authority of the Member State in which the applicant is established and, as applicable, by the competent authority of the Member State where that applicant intends to operate or respectively launch, if different from the Member State of establishment.

deleted

Or. en

Amendment 145
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Amendment

The competent authorities of those Member States shall ensure coordination to facilitate their respective authorisation processes.

deleted

Or. en

Amendment 146
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 5 – subparagraph 1

Text proposed by the Commission

Amendment

Union space operators *intending to have recourse to the* space services provided by a third country space operator or an international organisation *shall demonstrate to the relevant* competent authorities, *in their application for authorisation, the registration in URSO of that* third country space operator *or international organisation*, in accordance with Article 17 *or Article 18, respectively*.

When Union Space operators *request an authorisation that include* space services provided by a third country space operator or an international organisation, *the competent authority shall check that the* third country operator *is registered in URSO*, in accordance with Article 17.

Or. en

Amendment 147
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 5 – subparagraph 3

Text proposed by the Commission

Amendment

The Agency shall immediately provide such updates *to avoid unnecessary delay* in the authorisation process of the Union space operator.

The Agency shall immediately provide such updates in the authorisation process of the Union space operator.

Or. en

Amendment 148
Sergey Lagodinsky

Proposal for a regulation
Article 6 – paragraph 6

Text proposed by the Commission

Amendment

6. *Where the need for the provision of space services by a third country space operator or international organisation arises after an authorisation has been issued, such as in the case of ISOS, a Union space operator shall, without delay, inform the competent authority thereof, and provide it with the proof of*

deleted

registration in URSO of that third country space operator or international organisation.

Or. en

Amendment 149
Sergey Lagodinsky

Proposal for a regulation
Article 7 – title

Text proposed by the Commission

Amendment

Authorisation process

Technical file

Or. en

Amendment 150
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 1

Text proposed by the Commission

Amendment

1. An applicant shall apply for authorisation to the competent authority referred to in Article 6(3).

1. An applicant shall apply for authorisation to the competent authority referred to in Article 6(1a).

Or. en

Amendment 151
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 2

Text proposed by the Commission

Amendment

2. The application for authorisation shall contain a technical file ***with all necessary documentation and supporting evidence*** to demonstrate compliance with the requirements laid down in Title IV, Chapters I to V, as applicable.

2. The application for authorisation shall contain a technical file to demonstrate compliance with the requirements laid down in Title IV, Chapters I to V, as applicable.

Amendment 152
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 5 – subparagraph 1

Text proposed by the Commission

A qualified technical body for space activities shall assess the fulfilment of the requirements laid down in Title IV, Chapters I to V, as applicable, and, within 6 months from the date of receipt of the technical file, shall issue an opinion as regards the compliance of the envisaged space activities with the requirements laid down in Title IV, Chapters I to V, as applicable.

Amendment

A qualified technical body for space activities shall assess the fulfilment of the requirements laid down in Title IV, Chapters I to V, as applicable, and, ***as soon as possible*** within ***the deadline set by the relevant Member State but no later than 6*** months from the date of receipt of the technical file, shall issue an opinion as regards the compliance of the envisaged space activities with the requirements laid down in Title IV, Chapters I to V, as applicable.

Or. en

Amendment 153
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 5 – subparagraph 2

Text proposed by the Commission

Competent authorities shall ***take utmost account of*** the technical assessment carried out in relation to Title IV, Chapter II, by the qualified technical bodies for space activities, pursuant to Article 8(2), third subparagraph.

Amendment

Competent authorities shall ***base their decision on*** the technical assessment carried out in relation to Title IV, Chapter II, by the qualified technical bodies for space activities, pursuant to Article 8(2), third subparagraph.

Or. en

Amendment 154
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 6 – subparagraph 1

Text proposed by the Commission

Within 12 months from the date of receipt of the application, the competent authority shall issue the authorisation or reject the application and shall inform the applicant thereof.

Amendment

As soon as possible within ***the deadline set by the relevant Member State but no later than*** 12 months from the date of receipt of the application, the competent authority shall issue the authorisation or reject the application and shall inform the applicant thereof.

Or. en

Amendment 155
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 6 – subparagraph 2

Text proposed by the Commission

The deadline shall be suspended until the complete information is provided by the applicant upon request by the competent authority.

Amendment

deleted

Or. en

Amendment 156
Sergey Lagodinsky

Proposal for a regulation
Article 7 – paragraph 6 – subparagraph 2 a (new)

Text proposed by the Commission

Qualified technical bodies and competent priorities shall give priority, in the exercise of their respective obligations in points 5 and 6, to urgent applications aimed at addressing the creation of potential space debris.

Amendment

Or. en

Amendment 157
Sergey Lagodinsky

Proposal for a regulation
Article 8 – paragraph 1 – point a

Text proposed by the Commission

(a) qualified technical bodies for space activities;

Amendment

(a) qualified technical bodies ***at national level*** for space activities;

Or. en

Amendment 158
Sergey Lagodinsky

Proposal for a regulation
Article 8 – paragraph 1 – point d

Text proposed by the Commission

(d) ***combining the options referred to in points (a), (b) and (c).***

Amendment

(d) ***international organisations that are signatories of an international agreement with the Union pursuant to Article 107 of this Regulation.***

Or. en

Amendment 159
Sergey Lagodinsky

Proposal for a regulation
Article 8 – paragraph 2 – subparagraph 2

Text proposed by the Commission

For the purposes of carrying out technical assessments on any matters covered by Title IV, Chapters I to V, Member States shall use qualified technical bodies for space activities established in their territory.

Amendment

deleted

Or. en

Amendment 160
Sergey Lagodinsky

Proposal for a regulation
Article 8 – paragraph 3 – subparagraph 1

Text proposed by the Commission

Amendment

Space services providers referred to in paragraph 1, point (b), which provide technical assessment activities shall meet the requirements laid down in Title III, Chapter I, Section 3.

deleted

Or. en

Amendment 161
Sergey Lagodinsky

Proposal for a regulation
Article 8 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Amendment

Member States that make use of the system referred to in paragraph 1, point (b), shall ensure judicial enforcement of the obligation referred to in the first subparagraph.

deleted

Or. en

Amendment 162
Sergey Lagodinsky

Proposal for a regulation
Article 9 – title

Text proposed by the Commission

Amendment

Authorisation for constellations

Specific provisions for constellations

Or. en

Amendment 163
Sergey Lagodinsky

Proposal for a regulation

Article 9 – paragraph 1 – subparagraph 1 – introductory part

Text proposed by the Commission

Where the Union space operator intends to carry out a space mission that entails the launch of a satellite constellation, it **shall** submit to the competent authority an application for a single authorisation covering the launch or, as applicable, the launch and operation, in respect to all satellites that are part of the constellation, provided that all of the following conditions are met:

Amendment

Where the Union space operator intends to carry out a space mission that entails the launch of a satellite constellation, it **may** submit to the competent authority an application for a single authorisation covering the launch or, as applicable, the launch and operation, in respect to all satellites that are part of the constellation, provided that all of the following conditions are met:

Or. en

Amendment 164

Sergey Lagodinsky

Proposal for a regulation

Article 9 – paragraph 1 – subparagraph 1 – point a

Text proposed by the Commission

(a) all satellites planned to be launched under the respective space mission are identical **and perform the same tasks in the same manner;**

Amendment

(a) all satellites planned to be launched under the respective space mission are identical;

Or. en

Amendment 165

Sergey Lagodinsky

Proposal for a regulation

Article 9 – paragraph 1 – subparagraph 1 – point a a (new)

Text proposed by the Commission

Amendment

(a a) all satellites of the constellation comply with the requirements laid down in Title IV;

Or. en

Amendment 166
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 1 – subparagraph 1 – point b

Text proposed by the Commission

(b) the launch of all satellites is planned to be carried out ***through the same*** launch ***vehicle*** and from the same launch site.

Amendment

(b) the launch of all satellites ***for the space mission*** is planned to be carried out ***with URSO-registered types of*** launch and from the same launch site.

Or. en

Amendment 167
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 1 – subparagraph 2

Text proposed by the Commission

The Union space operator shall ensure that the satellites that are part of the constellation comply with the requirements laid down in Title IV, Chapters I to V, and declare that the conditions laid down in the first subparagraph are fulfilled.

Amendment

deleted

Or. en

Amendment 168
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 2

Text proposed by the Commission

2. If, following the receipt of an application in accordance with paragraph 1, first subparagraph, the assessment of the competent authority carried out in

Amendment

deleted

respect to a single satellite to be launched under the respective space mission, demonstrates compliance with the requirements laid down in Title IV, Chapters I to V, the competent authority shall issue an authorisation for the entire satellite constellation ('single authorisation').

Or. en

Amendment 169
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 3

Text proposed by the Commission

3. Competent authorities may, from the date of the delivery of the single authorisation carry out random inspections on any of those satellites part of the constellation *which have not been subject to the ex-ante check upon which the single authorisation was based.*

Amendment

3. Competent authorities may, from the date of the delivery of the single authorisation carry out random inspections on any of those satellites part of the constellation.

Or. en

Amendment 170
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 4

Text proposed by the Commission

4. The competent authority shall withdraw the single authorisation when the results of the random inspections establish non-compliance of the satellite with the authorisation requirements.

Amendment

4. The competent authority shall withdraw the single authorisation when the results of the random inspections establish non-compliance of the satellite with the authorisation requirements, *and shall impose a penalty.*

Or. en

Amendment 171
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 5

Text proposed by the Commission

Amendment

5. *Where the random inspections referred to in paragraph 3, identify aspects that conflict with the declaration referred to in paragraph 1, second subparagraph, without however amounting to non-compliance, and the assessment of the competent authority, taking into consideration the explanations provided by the Union space operator, find no major risks for the respective space mission, the competent authority may impose a penalty.* **deleted**

Or. en

Amendment 172
Sergey Lagodinsky

Proposal for a regulation
Article 9 – paragraph 6

Text proposed by the Commission

Amendment

6. *Competent authorities shall review authorisations for the launch of satellite constellations when launching the first batch of the new generation of satellites.* **deleted**

Or. en

Amendment 173
Sergey Lagodinsky

Proposal for a regulation
Article 10 – title

Text proposed by the Commission

Amendment

Light *regimes*

Light *regime*

Or. en

Amendment 174
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 1

Text proposed by the Commission

Amendment

1. The conditions for authorisation referred to in Article 6(1) shall be adapted for the Union space operators referred to in *paragraphs 2, 3 and 4, as provided for in these paragraphs.*

1. The conditions for authorisation referred to in Article 6(1) shall be adapted for the Union space operators referred to in *paragraph 2 of this article.*

Or. en

Amendment 175
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 2

Text proposed by the Commission

Amendment

2. Space operators that are research or education institutions *or that carry out* research space *missions* shall comply with the requirements of Title IV, Chapter I, Section 2, as set out in Article 62.

2. Space operators that are research or education institutions *when carrying out a* research *or education* space *mission* shall comply with the requirements of Title IV, Chapter I, Section 2, as set out in Article 62.

Or. en

Amendment 176
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2 a. *The Competent Authority or the Agency, where appropriate, shall assess and approve the application of a light regime.*

Or. en

Amendment 177
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 2 b (new)

Text proposed by the Commission

Amendment

2 b. *The Commission shall, by means of implementing acts, develop an appropriate methodology to determine the applicability of a light regime to space operators, in accordance with the examination procedure referred to in Article 114(2) while ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.*

Or. en

Amendment 178
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 2 c (new)

Text proposed by the Commission

Amendment

2 c. *The Agency shall keep a publicly available registry of all space operators that qualify for a light regime under this Regulation.*

Or. en

Amendment 179
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 3

Text proposed by the Commission

Amendment

3. Entities applying a simplified risk management shall comply, as regards Title IV, Chapter II, with the provisions of Article 79(1), first subparagraph, only in relation to critical assets and critical functions. *deleted*

Or. en

Amendment 180
Sergey Lagodinsky

Proposal for a regulation
Article 10 – paragraph 4

Text proposed by the Commission

Amendment

4. When space operators that are small-sized enterprises or are research or education institutions carry out In-Orbit Demonstration and Validation (IOD/IOV) space missions, they shall be exempted, in relation to Title IV, Chapter III, from the obligation referred to in Article 96(2). *deleted*

Or. en

Amendment 181
Sergey Lagodinsky

Proposal for a regulation
Article 11 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Amendment

Where space activities are carried out in relation to the Union-owned assets, the Commission shall authorise the entity entrusted with the execution or operation

Where space activities are carried out in relation to the Union-owned assets, the Commission shall authorise the entity entrusted with the *sole* execution or

of the respective component of the Union Programme.

operation of the respective component of the Union Programme.

Or. en

Amendment 182
Sergey Lagodinsky

Proposal for a regulation
Article 11 – paragraph 2

Text proposed by the Commission

2. Depending on the specific governance of the ***component of the Union Programme***, the applicant entity shall provide to the Agency and the Commission all technical details and explanations that demonstrate compliance with the requirements laid down in Title IV, Chapters I, II, III, IV and V.

Amendment

2. Depending on the specific governance of the Union ***action***, the applicant entity shall provide to the Agency and the Commission all technical details and explanations that demonstrate compliance with the requirements laid down in Title IV, Chapters I, II, III, IV and V.

Or. en

Amendment 183
Sergey Lagodinsky

Proposal for a regulation
Article 12 – paragraph 1 – subparagraph 1 – point c

Text proposed by the Commission

(c) does not pose a threat to the public order, the safety of persons and property and to public health in the Union.

Amendment

(c) does not pose a threat to the public order, the safety of persons and property and to public health in the Union, ***and its strategic interests***.

Or. en

Amendment 184
Sergey Lagodinsky

Proposal for a regulation
Article 12 – paragraph 1 – subparagraph 2

Text proposed by the Commission

The Agency shall adopt a fully reasoned decision proposing to the Commission to issue or refuse an authorisation, based on the technical assessment **to assess compliance** carried out in accordance with Article 43(1), point (a).

Amendment

The Agency shall adopt a fully reasoned decision proposing to the Commission to issue or refuse an authorisation, based on the technical assessment carried out in accordance with Article 43(1), point (a).

Or. en

Amendment 185
Sergey Lagodinsky

Proposal for a regulation
Article 12 – paragraph 3

Text proposed by the Commission

3. The Agency shall register **without delay** in URSO the Union space operators authorised in accordance with this Chapter.

Amendment

3. The Agency shall **immediately** register in URSO the Union space operators authorised in accordance with this Chapter.

Or. en

Amendment 186
Sergey Lagodinsky

Proposal for a regulation
Article 13 – paragraph 3 – subparagraph 1

Text proposed by the Commission

Not later than 2 months from the receipt of the proposal of the Agency referred to in paragraph 2, first subparagraph, the Commission shall take a decision on the proposed suspension or withdrawal.

Amendment

Within 30 working days from the receipt of the proposal of the Agency referred to in paragraph 2, first subparagraph, the Commission shall take a decision on the proposed suspension or withdrawal.

Or. en

Amendment 187
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 1

Text proposed by the Commission

1. Third country space operators *that* are registered in accordance with Article 17 in the Union Register of Space Objects *and* are in possession of the e-certificate referred to in Article 25(1), *shall be allowed to provide space services to Union space operators and in relation to Union-owned assets and to assets referred to in Article 5, first paragraph, point (21).*

Amendment

1. Third country space operators *shall be allowed to provide space services to Union space operators, provided that the following conditions are satisfied:*

(a) They are registered in accordance with Article 17 in the Union Register of Space Objects; and

(b) They are in possession of the e-certificate referred to in Article 25(1).

Or. en

Amendment 188
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1 a. Third country launch operators and third country launch site operators shall be subject to the requirements applicable to the launch operators and launch site operators laid down in Articles 61, 75, 75a, and 95 to 101.

Or. en

Amendment 189
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 1 b (new)

Text proposed by the Commission

Amendment

1 b. *Third country collision avoidance space services providers shall be subject to the requirements applicable to the Union collision avoidance space services providers laid down in Articles 102 and 103.*

Or. en

Amendment 190
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 2 – subparagraph 1

Text proposed by the Commission

For international organisations to provide, by virtue of their treaties, space-based data or space services in the Union, as ***applicable, the agreements*** referred to in ***Articles 107 and 108, respectively, shall be*** in place.

Amendment

International organisations ***shall be allowed*** to provide, by virtue of their treaties, space-based data or space services in the Union, as ***long as:***

(a) the agreement referred to in ***Article 107*** is in place;

(b) they are registered in accordance with Article 17 in the Union Register of Space Objects; and

(c) they are in possession of the e-certificate referred to in Article 25(1).

Or. en

Amendment 191
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 2 – subparagraph 2

Text proposed by the Commission

International organisations providing

Amendment

deleted

space-based data or space services in the Union, pursuant to the first subparagraph, shall be registered to URSO and in the possession of the e-certificate referred to in Article 25(1).

Or. en

Amendment 192
Sergey Lagodinsky

Proposal for a regulation
Article 14 – paragraph 3

Text proposed by the Commission

3. Paragraph 2 shall not apply where an international organisation only carries out technical assessment activities pursuant to Article 8(1), point (b).

Amendment

3. Paragraph 2 shall not apply where an international organisation only carries out technical assessment activities pursuant to Article 8(1), point (c).

Or. en

Amendment 193
Sergey Lagodinsky

Proposal for a regulation
Article 15

Text proposed by the Commission

Article 15

Rules applicable to third country space operators

1.

Third country spacecraft operators shall be subject to the requirements applicable to the Union spacecraft operators laid down in Articles 62, 66, 67, 69 to 73, 75 to 92, and 96 to 100.

In addition, third country spacecraft operators shall:

(a) subscribe to a public or commercial collision avoidance space

Amendment

deleted

services provider;

(b) ensure that the collision avoidance space services provider referred to in point (a), has the technical means to assess the collision avoidance and complies with the requirements laid down in point 1, of Annex IV;

(c) notify to the Agency, in the application for registration in URSO, the name and details of the collision avoidance space services provider referred to in point (a).

The Agency shall add the information referred to in point (c), in the Union contact list database referred to in Article 67(1).

2. Third country launch operators and third country launch site operators shall be subject to the requirements applicable to the Union launch operators and launch site operators laid down in Articles 61, 75 to 92, and 96 to 100.

3. Third country ISOS providers shall be subject to the requirements applicable to the Union ISOS providers laid down in Article 101.

4. Third country collision avoidance space services providers shall be subject to the requirements applicable to the Union collision avoidance space services providers laid down in Articles 102 and 103.

Or. en

Amendment 194
Sergey Lagodinsky

Proposal for a regulation
Article 16

Text proposed by the Commission

Amendment

Article 16

deleted

***Rules for third country space operators
from equivalent jurisdictions***

Third country space operators that are established in a third country for which the Commission has adopted an equivalence decision, in accordance with Article 105, shall be presumed to comply with the requirements laid down in Article 15.

Or. en

**Amendment 195
Sergey Lagodinsky**

**Proposal for a regulation
Article 17 – paragraph 1**

Text proposed by the Commission

1. Based on a decision by the Commission to allow registration, pursuant to paragraph 5, the Agency shall register in URSO third country space operators that demonstrate compliance with the requirements of Title IV, ***as set out in Article 16 or Article 15.***

Amendment

1. Based on a decision by the Commission to allow registration, pursuant to paragraph 5, the Agency shall register in URSO third country space operators that demonstrate compliance with the requirements of Title IV.

Or. en

**Amendment 196
Sergey Lagodinsky**

**Proposal for a regulation
Article 17 – paragraph 2 – subparagraph 1**

Text proposed by the Commission

Where a derogation has been obtained in accordance with Article 19, third country launch operators shall be registered in URSO based on a decision of the Commission without complying with one or more of the conditions set out in Article 15.

Amendment

Where a derogation has been obtained in accordance with Article 19, third country launch operators shall be registered in URSO based on a decision of the Commission without complying with one or more of the conditions set out in Article 14.

Or. en

Amendment 197
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 2 – subparagraph 2

Text proposed by the Commission

When a derogation has been requested by a Member State to enable a Union space operator to launch with a third country space operator, that **third country** space operator shall provide evidence of that request to the Agency.

Amendment

When a derogation has been requested by a Member State to enable a Union space operator to launch with a third country space operator, that **Union** space operator shall provide evidence of that request to the Agency.

Or. en

Amendment 198
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 3 – subparagraph 2

Text proposed by the Commission

The Agency shall keep all the evidence which has been supplied by the applicants during the registration procedure.

Amendment

The Agency shall **securely** keep all the evidence which has been supplied by the applicants during the registration procedure.

Or. en

Amendment 199
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 4

Text proposed by the Commission

4. The **Agency shall assess the application for registration and shall notify the third country space operator of the outcome of its preliminary assessment. The Agency shall allow that third country**

Amendment

4. The **procedure in articles 11, 12, and 13 for assessing and taking a decision regarding the registration shall apply accordingly for third country space service**

space operator to submit a reasoned statement and to provide additional explanation or evidence.

providers.

Or. en

Amendment 200
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 5

Text proposed by the Commission

Amendment

5. Not later than 5 months from the receipt of the application referred to in paragraph 3, first subparagraph, the Agency shall make a proposal to the Commission to take a decision approving or rejecting the registration in URSO of a third country space operator.

deleted

Or. en

Amendment 201
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 6

Text proposed by the Commission

Amendment

6. The Commission shall take a decision based on the proposal of the Agency referred to in paragraph 5 and shall notify that decision to the third country space operator and to the Agency.

deleted

Or. en

Amendment 202
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 7 – introductory part

Text proposed by the Commission

Amendment

7. Where **Article 16 applies**, the Agency shall register on the basis of the following:

7. Where **Articles 19 and 20 apply**, the Agency shall register on the basis of the following:

Or. en

Amendment 203
Sergey Lagodinsky

Proposal for a regulation
Article 17 – paragraph 7 – point b

Text proposed by the Commission

Amendment

(b) the Commission has adopted **an equivalence** decision **pursuant to Article 105**.

(b) the Commission has adopted **a** decision **granting a derogation to the respective third-country launch operator**.

Or. en

Amendment 204
Sergey Lagodinsky

Proposal for a regulation
Article 18

Text proposed by the Commission

Amendment

Article 18

deleted

Registration of international organisations

1. **Where the conditions laid down in Article 107 or Article 108 are met, the Agency shall register international organisations in URSO.**

2. **For the purposes of paragraph 1, Article 17(3), (4), (5), (7) and (8), and Articles 19, 21 and 22 shall apply accordingly.**

Or. en

Amendment 205
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 1 – subparagraph 1

Text proposed by the Commission

A Member State may request the Commission to adopt a decision allowing the Agency to register a third country launch operator which does not comply with one or more of the conditions referred to in Article 15(2), if the **public interest** conditions referred to in paragraph 2 are met.

Amendment

In justified and exceptional cases, a Member State may request the Commission to adopt a decision allowing the Agency to register ***the use of services from*** a third country launch operator which does not comply with one or more of the conditions referred to in Article 14, if the conditions referred to in paragraph 2 are met.

Or. en

Amendment 206
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 1 – subparagraph 3

Text proposed by the Commission

For Union-owned assets, the Commission shall, on its own initiative, ***assess whether the public interest condition*** referred to in paragraph 2 ***is*** met.

Amendment

For Union-owned assets, the Commission shall, on its own initiative, ***demonstrate that the conditions*** referred to in paragraph 2 ***are*** met.

Or. en

Amendment 207
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 2 – introductory part

Text proposed by the Commission

2. As regards launch services, a Member State shall demonstrate that the launch services provided by a third country launch operator ***facilitate*** the access to, and

Amendment

2. As regards launch services, a Member State shall demonstrate that the launch services provided by a third country launch operator ***are essential for*** the access

the use of, space, when the following cumulative conditions are met:

to, and the use of, space, when the following cumulative conditions are met:

Or. en

Amendment 208
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) no **readily** available substitute or realistic alternative exist in the Union to the launch services provided by the respective third country launch operator;

(a) no available substitute or realistic alternative exist in the Union to the launch services provided by the respective third country launch operator;

Or. en

Amendment 209
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 2 – point b

Text proposed by the Commission

Amendment

(b) the launch services provided by the respective third country launch operator promote the technological capabilities of strategic **importance for** the Union **or** Member States.

(b) the launch services provided by the respective third country launch operator promote the technological capabilities of strategic **interest of** the Union **and** Member States; **and**

Or. en

Amendment 210
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 2 – point b a (new)

Text proposed by the Commission

Amendment

(b a) alternative mitigating measures are proposed and taken to ensure that the

objectives pursued by the requirements referred to in Article 14, for which a derogation is requested, are achieved or are at least partially achieved.

Or. en

Amendment 211
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 3 – subparagraph 1 – point b

Text proposed by the Commission

Amendment

(b) specify in a clear, unambiguous and exhaustive manner all the requirements laid down in Article **15(2)**, for which a derogation is requested;

(b) specify in a clear, unambiguous and exhaustive manner all the requirements laid down in Article **14**, for which a derogation is requested;

Or. en

Amendment 212
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 3 – subparagraph 1 – point b a (new)

Text proposed by the Commission

Amendment

(b a) Provide the necessary evidence on the adopted mitigation measures;

Or. en

Amendment 213
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Amendment

The application regarding a third country launch operator shall propose, where possible, alternative mitigating measures

deleted

to ensure that the objectives pursued by the requirements referred to in Article 15(2), for which a derogation is requested, are achieved or are at least partially achieved.

Or. en

Amendment 214
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 4

Text proposed by the Commission

4. Upon receipt of the application referred to in paragraph 3, the Commission shall transmit it to the Agency. Within 1 month, the Agency shall issue a technical assessment on the compliance with the requirements laid down in Article **15** not subject to the application for derogation.

Amendment

4. Upon receipt of the application referred to in paragraph 3, the Commission shall transmit it to the Agency. Within 1 month, the Agency shall issue a technical assessment on the compliance with the requirements laid down in Article **14** not subject to the application for derogation, **and Article 19(2)**.

Or. en

Amendment 215
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 5 – subparagraph 1

Text proposed by the Commission

Within 2 months from the receipt of the technical assessment issued by the Agency pursuant to paragraph 4, the Commission shall, on the basis of that technical assessment, either adopt a decision granting a derogation to the respective third country launch operator, where the Commission concludes that the **public interest condition** referred to in paragraph 2 **is** met, or a decision refusing to grant such a derogation where it concludes that

Amendment

Within 2 months from the receipt of the technical assessment issued by the Agency pursuant to paragraph 4, the Commission shall, on the basis of that technical assessment, either adopt a decision granting a derogation to the respective third country launch operator, where the Commission concludes that the **conditions** referred to in paragraph 2 **are** met, or a decision refusing to grant such a derogation where it concludes that that **the**

that *public interest condition* is not met.

conditions are not met.

Or. en

Amendment 216
Sergey Lagodinsky

Proposal for a regulation
Article 19 – paragraph 5 – subparagraph 2

Text proposed by the Commission

Those decisions shall be adopted as *implementing* acts in accordance with *the examination procedure referred to in* Article *114(2)*.

Amendment

Those decisions shall be adopted as *delegated* acts in accordance with Article *113*.

Or. en

Amendment 217
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 1

Text proposed by the Commission

1. Upon request of a third country public entity to be allowed to provide space services or space-based data in the Union, or upon a Member State request, as referred to in paragraph 2, the Commission, assisted by the Agency, shall first assess whether that third country public entity is a governmental entity or whether it operates or owns assets of space infrastructure that are military systems, including with civilian use.

In its technical assistance provided to the Commission, the Agency shall map all the relevant activities and services provided by that third country public entity and shall identify all relevant assets of space infrastructure that such third country public entity operates or owns.

Amendment

deleted

Or. en

Amendment 218
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Amendment

Upon request of a third country public entity to be allowed to provide space services or space-based data in the Union, or upon a Member State request, as referred to in paragraph 2, the Commission, assisted by the Agency, shall first assess whether that third country public entity is a governmental entity or whether it operates or owns assets of space infrastructure that are military systems, including with civilian use.

deleted

Or. en

Amendment 219
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Amendment

In its technical assistance provided to the Commission, the Agency shall map all the relevant activities and services provided by that third country public entity and shall identify all relevant assets of space infrastructure that such third country public entity operates or owns.

deleted

Or. en

Amendment 220
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 2 – subparagraph 2

Text proposed by the Commission

In support of its application, a Member State **may** indicate a public interest for one or more Member States to obtain, or as applicable, to safeguard, continued and unhindered access to the respective space-based data or space services provided by that third country public entity, and **may** evidence the consequences for the relevant markets at the level of the Union or at Member State level, of losing such access.

Amendment

In support of its application, a Member State **shall** indicate a public interest **arising either from a situation of urgency or from the absence of Union-based solutions**, for one or more Member States to obtain, or as applicable, to safeguard, continued and unhindered access to the respective space-based data or space services provided by that third country public entity, and **shall** evidence the consequences for the relevant markets at the level of the Union or at Member State level, of losing such access.

Or. en

Amendment 221
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 3

Text proposed by the Commission

3. The Commission may, on its own initiative, carry out **the** assessment **referred to in paragraph 1**.

Amendment

3. The Commission may, on its own initiative, carry out **an** assessment.

Or. en

Amendment 222
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 4 – subparagraph 1

Text proposed by the Commission

Where, **upon the assessment referred to in paragraph 1**, the Commission concludes to the absence of security risks for the Union or the Member States, the Commission may adopt a decision allowing the respective third country public entity to provide space services or space-based data

Amendment

Where the Commission concludes to the absence of security risks for the Union or the Member States **and that no-Union based alternative is available**, the Commission may adopt a decision allowing the respective third country public entity to provide space services or space-

in the Union.

based data in the Union.

Or. en

Amendment 223
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 4 – subparagraph 2

Text proposed by the Commission

The decision referred to in the first subparagraph shall apply ***until the date when*** an international agreement concluded with the respective third country takes effect, ***governing the conditions for a third country public entity to provide space services or space-based data in the Union, or until the date where the Commission has adopted an equivalence decision as regards that third country, whichever is the earliest.***

Amendment

The decision referred to in the first subparagraph shall apply ***for one year with a possible extension if*** an international agreement ***is being negotiated or has been*** concluded with the respective third country ***and*** takes effect.

Or. en

Amendment 224
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 4 – subparagraph 3

Text proposed by the Commission

The Agency shall register ***without delay*** in URSO the third country public entity concerned on the basis of the decision taken by the Commission pursuant to first subparagraph.

Amendment

The Agency shall register ***immediately*** in URSO the third country public entity concerned on the basis of the decision taken by the Commission pursuant to first subparagraph.

Or. en

Amendment 225
Sergey Lagodinsky

Proposal for a regulation
Article 20 – paragraph 4 – subparagraph 4

Text proposed by the Commission

The decision referred to in first subparagraph shall be adopted as *implementing* act in accordance with *the examination procedure referred to in Article 114(2)*.

Amendment

The decision referred to in first subparagraph shall be adopted as *a delegated* act in accordance with Article 113.

Or. en

Amendment 226
Sergey Lagodinsky

Proposal for a regulation
Article 21 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Where an emergency or crisis occurs in a Member State, or an incident or attack causes disruption affecting more Member States or the Union institutions, the Commission shall, *as soon as possible*, on its own initiative, or at the request of the Member State concerned, carry out an assessment.

Amendment

Where an emergency or crisis occurs in a Member State, or an incident or attack causes disruption affecting *one or* more Member States or the Union institutions, the Commission shall, *immediately* on its own initiative, or at the request of the Member State *or Member States* concerned, carry out an assessment.

Or. en

Amendment 227
Sergey Lagodinsky

Proposal for a regulation
Article 22 – paragraph 1 – point a

Text proposed by the Commission

(a) based on documented evidence, the Agency establishes that the third country space operator no longer complies with one or several requirements laid down in Article *16 or Article 15, as applicable*, and is not able to apply the needed remedies to

Amendment

(a) based on documented evidence, the Agency establishes that the third country space operator no longer complies with one or several requirements laid down in Article *14* and is not able to apply the needed remedies to ensure the continuous

ensure the continuous compliance thereof;

compliance thereof;

Or. en

Amendment 228
Sergey Lagodinsky

Proposal for a regulation
Article 22 – paragraph 5 – subparagraph 1

Text proposed by the Commission

The Commission shall, ***without delay***, inform the competent authorities of any action or measure to be adopted in accordance with paragraphs 2 and 4.

Amendment

The Commission shall ***immediately*** inform the competent authorities of any action or measure to be adopted in accordance with paragraphs 2 and 4.

Or. en

Amendment 229
Sergey Lagodinsky

Proposal for a regulation
Article 23 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2 a. Third country space operators shall notify the name, postal address, email address and telephone number of their legal representative to the competent authority in Member State or Member States where that legal representative resides or is established and to the Agency. They shall ensure that that information is publicly available, easily accessible, accurate and kept up to date.

Or. en

Amendment 230
Sergey Lagodinsky

Proposal for a regulation
Article 24 – paragraph 1 – point a

Text proposed by the Commission

(a) **Union** space operators authorised in accordance with Article 6(1) and notified to the Agency by the competent authorities pursuant to Article 7(7);

Amendment

(a) Space operators authorised in accordance with Article 6(1) and notified to the Agency by the competent authorities pursuant to Article 7(7);

Or. en

Amendment 231
Sergey Lagodinsky

Proposal for a regulation
Article 24 – paragraph 1 – point d

Text proposed by the Commission

(d) **international organisations registered pursuant to Article 18(1).**

Amendment

deleted

Or. en

Amendment 232
Sergey Lagodinsky

Proposal for a regulation
Article 24 – paragraph 3

Text proposed by the Commission

3. URSO shall have a centralised inventory and platform.

Amendment

3. URSO shall have a centralised inventory and platform **based on open source and provide publicly available and free to access open data.**

Or. en

Amendment 233
Sergey Lagodinsky

Proposal for a regulation
Article 25 – paragraph 1

Text proposed by the Commission

1. Upon completion of the registration

Amendment

1. Upon completion of the registration

in URSO, the Agency shall issue and deliver an electronic certificate ('e-certificate') to *the* space service providers *except the collision avoidance space services providers*.

in URSO, the Agency shall issue and deliver an electronic certificate ('e-certificate') to space service providers.

Or. en

Amendment 234
Sergey Lagodinsky

Proposal for a regulation
Article 25 – paragraph 4 – point a

Text proposed by the Commission

(a) details regarding the space services provider concerned, *such as* the name, *physical* address, *internet* address, the Member State or, as applicable, the third country of establishment and authorisation, the name and address of the competent authority or, as applicable, the relevant third country supervisory authority;

Amendment

(a) details regarding the space services provider concerned, *including* the name, *postal* address, *telephone number, email* address, the Member State or, as applicable, the third country of establishment and authorisation, the name and address of the competent authority or, as applicable, the relevant third country supervisory authority;

Or. en

Amendment 235
Sergey Lagodinsky

Proposal for a regulation
Article 25 – paragraph 5 – point c

Text proposed by the Commission

(c) the e-certificate shall *be based on algorithms* to ascertain the integrity of space-based data across its incorporation into subsequent services.

Amendment

(c) the e-certificate shall *incorporate technical safeguards* to ascertain the integrity of space-based data across its incorporation into subsequent services.

Or. en

Amendment 236
Sergey Lagodinsky

Proposal for a regulation
Article 26 – paragraph 1

Text proposed by the Commission

1. Where space services providers, ***except for collision avoidance space services providers***, provide ***for the first time***, space-based data or space services in the Union, they shall be in possession of the e-certificate referred to in Article 25(1).

Amendment

1. Where space services providers provide space-based data or space services in the Union, they shall be in possession of the e-certificate referred to in Article 25(1).

Or. en

Amendment 237
Sergey Lagodinsky

Proposal for a regulation
Article 27 – paragraph 1

Text proposed by the Commission

1. Primary providers of space-based data shall provide space-based data in the Union only where such space-based data has been generated by space objects registered in URSO.

Amendment

1. Primary providers of space-based data shall provide space-based data in the Union only where such space-based data has been generated by space objects registered in URSO ***or launched before the entry into force of this Act.***

Or. en

Amendment 238
Sergey Lagodinsky

Proposal for a regulation
Article 30 – paragraph 4 – point b

Text proposed by the Commission

- (b) examine the ***books*** and other business records, irrespective of the medium on which they are stored, access any information accessible to the Union space operators subject to the inspection, and take or request copies or extracts from those books or records;

Amendment

- (b) examine the ***registries*** and other business records, irrespective of the medium on which they are stored, access any information accessible to the Union space operators subject to the inspection, and take or request copies or extracts from those books or records;

Amendment 239
Sergey Lagodinsky

Proposal for a regulation
Article 31 – paragraph 1

Text proposed by the Commission

1. Member States shall lay down rules on penalties for infringements of this Regulation. Those penalties shall be effective, proportionate and dissuasive. Member States shall *without delay* notify the Commission of those provisions and any subsequent amendment affecting them.

Amendment

1. Member States shall lay down rules on penalties for infringements of this Regulation. Those penalties shall be effective, proportionate and dissuasive. Member States shall *immediately* notify the Commission of those provisions and any subsequent amendment affecting them.

Or. en

Amendment 240
Sergey Lagodinsky

Proposal for a regulation
Article 31 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1 a. Failure to comply with the requirements of this Regulation or the delegated and implementing acts stemming from it will be deemed to constitute an infringement and remedies and penalties may be applied.

Or. en

Amendment 241
Sergey Lagodinsky

Proposal for a regulation
Article 31 – paragraph 2 – point g

Text proposed by the Commission

Amendment

(g) *the importance of* the profits

(g) the profits gained, or the losses

gained, or *of* the losses avoided, by the natural or legal person responsible for the infringement;

avoided, by the natural or legal person responsible for the infringement;

Or. en

Amendment 242
Sergey Lagodinsky

Proposal for a regulation
Article 31 – paragraph 4

Text proposed by the Commission

4. The supervisory measures shall be effective, dissuasive and proportionate, considering all circumstances of each individual case. Before adopting a supervisory measure, the competent authorities shall inform the Union space operators of their preliminary findings and shall allow *reasonable time for Union* space operators to submit observations.

Amendment

4. The supervisory measures shall be effective, dissuasive and proportionate, considering all circumstances of each individual case. Before adopting a supervisory measure, the competent authorities shall inform the Union space operators of their preliminary findings and shall allow **30 working days for** space operators to submit observations.

Or. en

Amendment 243
Sergey Lagodinsky

Proposal for a regulation
Article 32 – paragraph 3 – point c

Text proposed by the Commission

(c) has *an* adequate **number of personnel for the performance of its** tasks.

Amendment

(c) has *the* adequate **expertise, financial and human resources, operational capacity and powers necessary to carry the** tasks *under this Article*

Or. en

Amendment 244
Sergey Lagodinsky

Proposal for a regulation
Article 33 – paragraph 2

Text proposed by the Commission

2. Only qualified technical bodies for space activities that comply with the requirements laid down in Article 35 *can* be notified by the Member State to the Commission.

Amendment

2. Only qualified technical bodies for space activities that comply with the requirements laid down in Article 35 *shall* be notified by the Member State to the Commission.

Or. en

Amendment 245
Sergey Lagodinsky

Proposal for a regulation
Article 34 – paragraph 8

Text proposed by the Commission

8. Where the conditions laid down in paragraph 5 *are* fulfilled, the authority referred to in Article 32 shall adopt a positive decision on the application. The decision shall be notified to the technical body, the competent authorities of the Member State concerned and the Commission.

Amendment

8. Where the conditions laid down in paragraph 5 *and in Article 35 are* fulfilled, the authority referred to in Article 32 shall adopt a positive decision on the application. The decision shall be notified *without delay* to the technical body, the competent authorities of the Member State concerned and the Commission.

Or. en

Amendment 246
Sergey Lagodinsky

Proposal for a regulation
Article 36 – paragraph 1

Text proposed by the Commission

The Commission shall assign an identification number to each qualified technical body for space activities and shall make publicly available the list of qualified technical bodies for space activities in the Union, their identification numbers and the matters covered by Title IV for which they

Amendment

The Commission shall assign an identification number to each qualified technical body for space activities and shall make publicly available *via an easily searchable web portal* the list of qualified technical bodies for space activities in the Union, their identification numbers,

have been notified.

contact details, and the matters covered by Title IV for which they have been notified.

Or. en

Amendment 247
Sergey Lagodinsky

Proposal for a regulation
Article 37 – paragraph 2

Text proposed by the Commission

2. In the event of a restriction, suspension or withdrawal of the notification, or where a qualified technical body for space activities established on the territory of a Member State has ceased its activity, that Member State shall take appropriate steps to transfer the files of that qualified technical body for space activities to another qualified technical body for space activities or, where this is not possible, to the Agency or the international organisation referred to in Article 8(1), point (b).

Amendment

2. In the event of a restriction, suspension or withdrawal of the notification, or where a qualified technical body for space activities established on the territory of a Member State has ceased its activity, that Member State shall take appropriate steps to transfer the files of that qualified technical body for space activities to another qualified technical body for space activities or, where this is not possible, to the Agency or the international organisation referred to in Article 8(1), point (c).

Or. en

Amendment 248
Sergey Lagodinsky

Proposal for a regulation
Article 39 – title

Text proposed by the Commission

Coordination of qualified technical bodies for space activities

Amendment

Support of qualified technical bodies for space activities

Or. en

Amendment 249
Sergey Lagodinsky

Proposal for a regulation
Article 39 – paragraph 1

Text proposed by the Commission

The Commission shall ***enable appropriate coordination*** of qualified technical bodies for space activities bodies across the Union, including by setting-up sectoral groups of qualified technical bodies for space activities.

Amendment

The Commission shall ***support the activities*** of qualified technical bodies for space activities bodies across the Union, including by setting-up sectoral groups of qualified technical bodies for space activities.

Or. en

Amendment 250
Sergey Lagodinsky

Proposal for a regulation
Article 40 – paragraph 1 – point b

Text proposed by the Commission

(b) upon request, carry out the technical assessments referred to in Article 8(1), point (c);

Amendment

(b) upon request, carry out the technical assessments referred to in Article 8(1), point **(b)**;

Or. en

Amendment 251
Sergey Lagodinsky

Proposal for a regulation
Article 40 – paragraph 1 – point h

Text proposed by the Commission

(h) report to the Commission on the application of simplified risk management across the Union, and submit appropriate recommendations, in accordance with Article 79(3), first subparagraph;

Amendment

deleted

Or. en

Amendment 252
Sergey Lagodinsky

Proposal for a regulation
Article 40 – paragraph 1 – point m a (new)

Text proposed by the Commission

Amendment

*(m a) establish and manage the Space
Sector Competitiveness Support Helpdesk;*

Or. en

Amendment 253
Sergey Lagodinsky

Proposal for a regulation
Article 40 – paragraph 2 – subparagraph 2

Text proposed by the Commission

Amendment

*By 01.08.2028, the Agency shall submit to the Commission the technical opinions to assist the Commission in the preparation of the delegated acts **referred to in Article 113 and of the** implementing acts referred to in **Article 59(3), first subparagraph, in Article 61(3), first subparagraph, in Article 63(2), in Article 68(2), first subparagraph, in Article 69(2), first subparagraph, in Article 70(3), first subparagraph, in Article 73(4), first subparagraph, in Article 93(8), in Article 96(7), second subparagraph, in Article 97(4), in Article 101(5), first subparagraph, in Article 104(2), and in Article 111(4), first subparagraph.***

The Agency shall submit to the Commission the technical opinions to assist the Commission in the preparation of the delegated acts **and** implementing Acts referred to in **this Regulation.**

Or. en

Amendment 254
Sergey Lagodinsky

Proposal for a regulation
Article 40 – paragraph 3

Text proposed by the Commission

Amendment

3. Before issuing a new guideline or

3. Before issuing a new guideline or

recommendation, the Agency shall review existing guidelines *and recommendations* to avoid duplication.

recommendation, the Agency shall review existing *national and international* guidelines to avoid duplication, *and base them on available best practices*.

Or. en

Amendment 255
Sergey Lagodinsky

Proposal for a regulation
Article 40 a (new)

Text proposed by the Commission

Amendment

Article 40a

***Space Sector Competitiveness Support
Helpdesk***

1. The Agency shall establish a permanent internal structure known as the ‘Space Sector Competitiveness Support Helpdesk’ (hereinafter ‘the Support Helpdesk’). The Support Helpdesk shall be operationally distinct from the Agency’s supervisory functions to ensure the independence of its supervisory tasks.

2. The Support Helpdesk shall be a single access point for all relevant support and be integrated with the Information point referred to in article 110 of this Regulation. The primary task of the Support Helpdesk shall be to provide administrative and procedural assistance to small and medium-sized enterprises (SMEs) within the meaning of Commission Recommendation 2003/361/EC, and to educational and research institutions established in the Union.

3. The Support Helpdesk shall be responsible for the following tasks:

(a) advising applicants on the compliance with the administrative and technical requirements of this regulation;

(b) assisting in the drafting and verification of technical documentation, including by providing an online platform with standardised data and step by step guidance on completing the plans and other documents needed to ensure compliance with this regulation;

(c) organizing specific training workshops and publishing detailed user guides on regulatory compliance, specifically tailored to the needs of SMEs and educational and research stakeholders; and

(d) managing other forms of support, including financial support for the development of the upstream and downstream activities of the qualified entities in the space sector.

4. The assistance provided by the Support Helpdesk shall be of a non-binding advisory nature and shall not prejudice any subsequent assessment or decision by the Agency or the relevant National Competent Authority. The applicant shall remain solely responsible for the accuracy, completeness, and compliance of the submitted documentation, and the Agency shall not be held liable for the outcome of the relevant authorization, certification, or other procedures.

5. Member States may designate one national contact points to cooperate with the Support Helpdesk. The national contact points shall offer information and guidance in appropriate national languages on compliance with the requirements of this regulation, facilitate access to the Support Helpdesk, and draw upon national implementation measures where relevant.

6. The assistance provided by the Support Helpdesk under paragraph 3 shall be free of charge. The costs of operating the Support Helpdesk and related activities shall be covered by the Agency from the

fees foreseen in article 41 of this regulation and may be supplemented from other appropriate sources.

7. The Agency shall report annually to the Commission on the activities of the Support Helpdesk, based on key performance indicators established by the Agency board, including data on the number of entities assisted and the impact on regulatory compliance rates.

Or. en

Amendment 256
Sergey Lagodinsky

Proposal for a regulation
Article 41 – paragraph 3

Text proposed by the Commission

3. The Commission is empowered to adopt delegated acts in accordance with Article 113 to supplement this Regulation by determining the amount of fees and the way in which they are to be paid.

Amendment

3. The Commission is empowered to adopt delegated acts in accordance with Article 113 to supplement this Regulation by determining the amount of fees and the way in which they are to be paid ***by the entry into force of this Regulation.***

Or. en

Amendment 257
Sergey Lagodinsky

Proposal for a regulation
Article 43 – paragraph 1 – point a

Text proposed by the Commission

(a) issuing technical proposals to the Commission for the authorisation, in accordance with Article **12(2)**, of operators of Union-owned assets which are entrusted by the Commission with the execution or operation of the respective component of the Union Programme, as referred to in that Article, and carrying out, throughout the

Amendment

(a) issuing technical proposals to the Commission for the authorisation, in accordance with Article **12(1)**, of operators of Union-owned assets which are entrusted by the Commission with the execution or operation of the respective component of the Union Programme, as referred to in that Article, and carrying out, throughout the

duration of such authorisation, technical assessment activities to allow the Commission to exercise the ongoing supervision of such operators to ensure compliance with the requirements laid down in this Regulation;

duration of such authorisation, technical assessment activities to allow the Commission to exercise the ongoing supervision of such operators to ensure compliance with the requirements laid down in this Regulation;

Or. en

Amendment 258
Sergey Lagodinsky

Proposal for a regulation
Article 43 – paragraph 1 – point c

Text proposed by the Commission

(c) assess, and issuing technical proposals to the Commission as regards, the ongoing compliance of third country space operators with the requirements laid down in Title IV, in the manner specified to in *Articles 15 and Article 16 respectively*.

Amendment

(c) assess, and issuing technical proposals to the Commission as regards, the ongoing compliance of third country space operators with the requirements laid down in Title IV, in the manner specified to in Article 15.

Or. en

Amendment 259
Sergey Lagodinsky

Proposal for a regulation
Article 43 – paragraph 2 – point c

Text proposed by the Commission

(c) ensure, on the basis of a decision of the Commission taken pursuant to Article 11(1), first subparagraph, Article 17(6), and Article 22(6), first subparagraph, the registration in URSO, and respectively, the suspension or withdrawal of registration in URSO, of Union space operators of Union-owned assets and third country space operators, and that of international organisations, pursuant to Articles 17, 18 and 22, and manage URSO and its

Amendment

(c) ensure, on the basis of a decision of the Commission taken pursuant to Article 11(1), first subparagraph, Article 17(1), and Article 22(6), first subparagraph, the registration in URSO, and respectively, the suspension or withdrawal of registration in URSO, of Union space operators of Union-owned assets and third country space operators, and that of international organisations, pursuant to Articles 17, 18 and 22, and manage URSO and its

associated platform;

associated platform;

Or. en

Amendment 260
Sergey Lagodinsky

Proposal for a regulation
Article 43 – paragraph 2 – point d

Text proposed by the Commission

(d) take technical assessment decisions proposing to the Commission measures for ensuring the compliance of third country space operators, once registered, with the requirements laid down in Title IV, in the manner specified in *Articles 15 and Article 16*;

Amendment

(d) take technical assessment decisions proposing to the Commission measures for ensuring the compliance of third country space operators, once registered, with the requirements laid down in Title IV, in the manner specified in Article *15*;

Or. en

Amendment 261
Sergey Lagodinsky

Proposal for a regulation
Article 48 – paragraph 1 – introductory part

Text proposed by the Commission

1. *The Commission, supported and assisted by* the Agency, shall exercise the supervision of the following space services providers regarding compliance with the requirements laid down in this Regulation, in the manner specified in this section, as follows:

Amendment

1. The Agency, shall exercise the supervision of the following space services providers regarding compliance with the requirements laid down in this Regulation, in the manner specified in this section, as follows:

Or. en

Amendment 262
Sergey Lagodinsky

Proposal for a regulation
Article 48 – paragraph 1 – point c

Text proposed by the Commission

(c) international organisations, pursuant to Article 107(3), **and Article 108, respectively.**

Amendment

(c) international organisations, pursuant to Article 107(3).

Or. en

Amendment 263
Sergey Lagodinsky

Proposal for a regulation
Article 48 – paragraph 2 – subparagraph 2

Text proposed by the Commission

The Agency shall inform the Commission on each of the actions referred to in **Articles 49, 50, 51 and 52.**

Amendment

The Agency shall inform the Commission on each of the actions referred to in **Article 49.**

Or. en

Amendment 264
Sergey Lagodinsky

Proposal for a regulation
Article 48 – paragraph 5 – point a

Text proposed by the Commission

(a) the detailed procedures and coordination aspects with relevant third country authorities which enable the Agency to conduct, **pursuant to Article 52,** inspections at the business premises of the space services providers referred to in paragraph 1, point (b), located outside the Union;

Amendment

(a) the detailed procedures and coordination aspects with relevant third country authorities which enable the Agency to conduct inspections at the business premises of the space services providers referred to in paragraph 1, point (b), located outside the Union;

Or. en

Amendment 265
Sergey Lagodinsky

Proposal for a regulation
Article 48 – paragraph 5 – point b

Text proposed by the Commission

(b) the details setting out the conditions for the participation of the representatives of relevant third country authorities in inspections conducted by the Agency *pursuant to Article 52*, notably where the space services providers *referred to paragraph 1, point (b)*, are public entities;

Amendment

(b) the details setting out the conditions for the participation of the representatives of relevant third country authorities in inspections conducted by the Agency, notably where the space services providers are public entities;

Or. en

Amendment 266
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 1

Text proposed by the Commission

1. *The Commission and* the Agency shall conduct investigations at the space services providers referred to in Article 48(1), points (a), (b) and (c), respectively.

Amendment

1. The Agency shall conduct investigations at the space services providers referred to in Article 48(1), points (a), (b) and (c), respectively.

Or. en

Amendment 267
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 2 – subparagraph 1

Text proposed by the Commission

The Commission and the Agency shall issue an authorisation to their designated officials to allow them to conduct the investigations referred to in paragraph 1. The officers of the *Commission and the Agency* shall exercise their investigation powers upon the production of this authorisation.

Amendment

The Agency shall issue an authorisation to their designated officials to allow them to conduct the investigations referred to in paragraph 1. The officers of the Agency shall exercise their investigation powers upon the production of this authorisation.

Amendment 268
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 2 – subparagraph 2

Text proposed by the Commission

The Commission and the Agency may entrust other persons from the joint examinations teams referred to in Article 44(1) or auditors with the task to carry out investigation together with the officials of the Agency.

Amendment

The Agency may entrust other persons from the joint examinations teams referred to in Article 44(1) or auditors with the task to carry out investigation together with the officials of the Agency.

Or. en

Amendment 269
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 4 – introductory part

Text proposed by the Commission

4. The officers of *the Commission and* the Agency shall be empowered to:

Amendment

4. The officers of the Agency shall be empowered to:

Or. en

Amendment 270
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 5 – subparagraph 2

Text proposed by the Commission

In good time before the date of the investigation, *the Commission and* the Agency shall inform the competent authority of the Member State where the investigation is to be carried out of the planned investigation of the names of the

Amendment

In good time before the date of the investigation, the Agency shall inform the competent authority of the Member State where the investigation is to be carried out of the planned investigation of the names of the authorised officers and other

authorised officers and other authorised persons referred to in paragraph 2, second subparagraph, as applicable.

authorised persons referred to in paragraph 2, second subparagraph, as applicable.

Or. en

Amendment 271
Sergey Lagodinsky

Proposal for a regulation
Article 50 – paragraph 6

Text proposed by the Commission

6. The officers of the competent authority concerned shall, at the request of the ***Commission and the Agency***, assist the authorised officers of ***the Commission and the Agency*** and other authorised persons, in carrying out their duties. Upon request, the officers of the competent authority concerned may attend the respective investigation.

Amendment

6. The officers of the competent authority concerned shall, at the request of the Agency, assist the authorised officers of the Agency and other authorised persons, in carrying out their duties. Upon request, the officers of the competent authority concerned may attend the respective investigation.

Or. en

Amendment 272
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 1

Text proposed by the Commission

1. ***The Commission and the Agency*** may carry out all necessary on-site inspections at any of the business premises, land or property of the Union space operators of Union owned-assets, as well any of the business premises, land or property of the space services providers referred to in Article 48(1), points (b) and (c), located in the Union.

Amendment

1. The Agency may carry out all necessary on-site inspections at any of the business premises, land or property of the Union space operators of Union owned-assets, as well any of the business premises, land or property of the space services providers referred to in Article 48(1), points (b) and (c), located in the Union.

Or. en

Amendment 273
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 2 – subparagraph 1

Text proposed by the Commission

The inspections referred to in paragraph 1 shall be carried out on the basis of the decisions of the *Commission and the Agency* respectively, to carry out an on-site investigation.

Amendment

The inspections referred to in paragraph 1 shall be carried out on the basis of the decisions of the Agency respectively, to carry out an on-site investigation.

Or. en

Amendment 274
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 2 – subparagraph 2

Text proposed by the Commission

That decision shall designate the authorised officers of the *Commission and the Agency* and other persons authorised by the *Commission and the Agency* to conduct an inspection.

Amendment

That decision shall designate the authorised officers of the Agency and other persons authorised by the Agency to conduct an inspection.

Or. en

Amendment 275
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 3

Text proposed by the Commission

3. The officers of *the Commission and the Agency* and other persons authorised to conduct an on-site inspection, in accordance with paragraph 2, second subparagraph, may enter any of the business premises, land or property of the Union space operators of Union owned-

Amendment

3. The officers of the Agency and other persons authorised to conduct an on-site inspection, in accordance with paragraph 2, second subparagraph, may enter any of the business premises, land or property of the Union space operators of Union owned-assets, and of the space

assets, and of the space services providers referred to in Article 48(1), points (b) and (c), respectively. They shall have all the powers set out in Article 50(4) and the powers to seal any business premises, books or records for the period of, and to the extent necessary for, that inspection.

services providers referred to in Article 48(1), points (b) and (c), respectively. They shall have all the powers set out in Article 50(4) and the powers to seal any business premises, books or records for the period of, and to the extent necessary for, that inspection.

Or. en

Amendment 276
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 4 – subparagraph 1

Text proposed by the Commission

In sufficient time before the inspection, **the Commission and** the Agency shall give notice to the competent authority of the Member State where that inspection is to be carried out. Inspections shall be carried out if the relevant authority has raised no objections.

Amendment

In sufficient time before the inspection, the Agency shall give notice to the competent authority of the Member State where that inspection is to be carried out. Inspections shall be carried out if the relevant authority has raised no objections.

Or. en

Amendment 277
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 5

Text proposed by the Commission

5. Union space operators of Union owned assets and space services providers referred to in Article 48(1), points (b) and (c), respectively, shall submit to the on-site inspections ordered by decision of the Agency **and the Commission**.

Amendment

5. Union space operators of Union owned assets and space services providers referred to in Article 48(1), points (b) and (c), respectively, shall submit to the on-site inspections ordered by decision of the Agency.

Or. en

Amendment 278
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 6

Text proposed by the Commission

6. The officers of the competent authority of the Member State where the inspection is to be carried out and the persons authorised by such competent authorities shall, at the request of the **Commission or the** Agency, assist the officers referred to in paragraph 2, second subparagraph. The officials of the competent authorities may also attend the on-site inspections, upon request.

Amendment

6. The officers of the competent authority of the Member State where the inspection is to be carried out and the persons authorised by such competent authorities shall, at the request of the Agency, assist the officers referred to in paragraph 2, second subparagraph. The officials of the competent authorities may also attend the on-site inspections, upon request.

Or. en

Amendment 279
Sergey Lagodinsky

Proposal for a regulation
Article 51 – paragraph 7

Text proposed by the Commission

7. **The Commission and** the Agency may require the competent authorities to carry out specific investigatory tasks and on-site inspections, as provided for in this Article and in Article 50, on their behalf. To that end, the competent authorities shall enjoy at least the same powers as those set out in this Article and in Article 50.

Amendment

7. The Agency may require the competent authorities to carry out specific investigatory tasks and on-site inspections, as provided for in this Article and in Article 50, on their behalf. To that end, the competent authorities shall enjoy at least the same powers as those set out in this Article and in Article 50.

Or. en

Amendment 280
Sergey Lagodinsky

Proposal for a regulation
Article 52

Article 52

deleted

On-site inspections outside the Union

1. Where the Commission and the Agency cannot fulfil their tasks set out in this Regulation by means of interaction with the legal representatives referred to in Article 23 of the space services providers referred to in Article 48(1), point (b), the Commission and the Agency may carry out on-site inspections at the business premises, land or property of space services providers referred to in Article 48(1), point (b), which are located outside the Union, if all the following conditions are met:

(a) the concerned space services provider referred to in Article 48(1), point (b), consents to the conduct of an inspection in a third country; and

(b) the relevant third country authority has been officially notified by the Agency and raised no objection thereto.

2. When the Commission and the Agency act based on paragraph 1 they shall have the powers referred to in:

(a) Article 49;

(b) Article 50(4), points (a), (b) and (c);

(c) Article 51(3).

Or. en

Amendment 281
Sergey Lagodinsky

Proposal for a regulation
Article 54 – paragraph 1 – subparagraph 1

Text proposed by the Commission

When, based on the investigation referred to in Article 53(2), the Agency finds on a preliminary basis that a Union space operator of Union-owned assets or respectively a space services provider referred to in Article 48(1), points (b) and (c), has committed an infringement of the requirements laid down by this Regulation, **as specified in Annex X**, the Agency shall make a proposal to the Commission to establish the existence an infringement of this Regulation and to adopt one or more of the measures referred to in Article 55(1), first subparagraph, as regards the concerned Union space operator of Union-owned assets or space services provider referred to in Article 48(1), points (b) and (c).

Amendment

When, based on the investigation referred to in Article 53(2), the Agency finds on a preliminary basis that a Union space operator of Union-owned assets or respectively a space services provider referred to in Article 48(1), points (b) and (c), has committed an infringement of the requirements laid down by this Regulation, the Agency shall make a proposal to the Commission to establish the existence an infringement of this Regulation and to adopt one or more of the measures referred to in Article 55(1), first subparagraph, as regards the concerned Union space operator of Union-owned assets or space services provider referred to in Article 48(1), points (b) and (c).

Or. en

Amendment 282
Sergey Lagodinsky

Proposal for a regulation
Article 54 – paragraph 1 – subparagraph 3

Text proposed by the Commission

The Commission may on its own initiative, upon request by a Member State or upon complaint investigate any infringement of this Regulation.

Amendment

The Commission may on its own initiative, upon request by a Member State or upon complaint investigate any infringement of this Regulation, **or request the Agency to investigate.**

Or. en

Amendment 283
Sergey Lagodinsky

Proposal for a regulation
Article 58 – paragraph 1

Text proposed by the Commission

The Union launch **operator** shall submit to the competent authority a Launch Safety Plan in accordance with point 3, of Annex I.

Amendment

Launch **operators** shall submit to the competent authority a Launch Safety Plan in accordance with point 3, of Annex I.

Or. en

Amendment 284
Sergey Lagodinsky

Proposal for a regulation
Article 59 – paragraph 1

Text proposed by the Commission

1. **Union** launch operators shall take appropriate measures to mitigate the risk of collision between the launcher and aircraft, maritime vessels or spacecraft, and debris in orbit, during the launch and re-entry phases.

Amendment

1. Launch operators shall take appropriate measures to mitigate the risk of collision between the launcher and aircraft, maritime vessels or spacecraft, and debris in orbit, during the launch and re-entry phases.

Or. en

Amendment 285
Sergey Lagodinsky

Proposal for a regulation
Article 59 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2).

Amendment

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2), ***ensure adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.***

Or. en

Amendment 286
Sergey Lagodinsky

Proposal for a regulation
Article 60 – paragraph 2

Text proposed by the Commission

2. Launch vehicles shall incorporate at least a **telemetry** data transmitting system for monitoring the launch vehicle performance data, except where the pre-flight analysis establishes that the flight of the launch vehicle will not result in an unknown and hazardous impact area of dispersion.

Amendment

2. Launch vehicles shall incorporate at least a data transmitting system for monitoring the launch vehicle performance data, except where the pre-flight analysis establishes that the flight of the launch vehicle will not result in an unknown and hazardous impact area of dispersion.

Or. en

Amendment 287
Sergey Lagodinsky

Proposal for a regulation
Article 60 – paragraph 3

Text proposed by the Commission

3. **Union** launch operators shall conduct a risk assessment to identify potential risk scenarios and implement mitigatory measures, in accordance with point 2.1, of Annex I.

Amendment

3. Launch operators shall conduct a risk assessment to identify potential risk scenarios and implement mitigatory measures, in accordance with point 2.1, of Annex I.

Or. en

Amendment 288
Sergey Lagodinsky

Proposal for a regulation
Article 60 – paragraph 4

Text proposed by the Commission

4. **Union** launch operators **shall add** an on-board system for the neutralisation of the launcher, in accordance with point

Amendment

4. Launch operators **shall have** an on-board system for the neutralisation of the launcher, in accordance with point 2.2, of

Amendment 289
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 1 – introductory part

Text proposed by the Commission

1. **Union** launch operators shall limit debris creation through the implementation of the following measures:

Amendment

1. Launch operators shall limit debris creation through the implementation of the following measures:

Or. en

Amendment 290
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 1 – point a

Text proposed by the Commission

(a) limitation of planned release of debris into Earth, during nominal operations, through the implementation measures set out in point 1.1, of Annex II;

Amendment

(a) **Prevention and** limitation of planned release of debris into Earth, during nominal operations, through the implementation measures set out in point 1.1, of Annex II;

Or. en

Amendment 291
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 1 – point c

Text proposed by the Commission

(c) end-of-life disposal, in accordance with point 2, of Annex II.

Amendment

(c) end-of-life disposal, **including re-entry of launchers when safe and technically feasible**, in accordance with point 2, of Annex II.

Amendment 292
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 2 – introductory part

Text proposed by the Commission

2. **Union** launch operators shall submit the following space debris mitigation plans:

Amendment

2. Launch operators shall submit the following space debris mitigation plans:

Or. en

Amendment 293
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 2 – point a

Text proposed by the Commission

(a) a debris **control plan**, in accordance with the technical and operational requirements laid down in point 3.1, of Annex II;

Amendment

(a) a debris **section**, in accordance with the technical and operational requirements laid down in point 3.1, of Annex II;

Or. en

Amendment 294
Sergey Lagodinsky

Proposal for a regulation
Article 61 – paragraph 2 – point b

Text proposed by the Commission

(b) an end-of-life disposal **plan**, in accordance with point 3.2, of Annex II.

Amendment

(b) an end-of-life disposal **section**, in accordance with point 3.2, of Annex II.

Or. en

Amendment 295
Sergey Lagodinsky

Proposal for a regulation

Article 61 – paragraph 3 – subparagraph 1 – point c

Text proposed by the Commission

(c) establish the threshold of probability of the risk of accidental fragmentation in orbit due to internal causes *point 1.2.1, of Annex II*;

Amendment

(c) establish the threshold of probability of the risk of accidental fragmentation in orbit due to internal causes;

Or. en

Amendment 296

Sergey Lagodinsky

Proposal for a regulation

Article 61 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2).

Amendment

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2) *to ensure adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.*

Or. en

Amendment 297

Sergey Lagodinsky

Proposal for a regulation

Article 61 a (new)

Text proposed by the Commission

Amendment

Article 61a

Soil and groundwater pollution

- 1. Launch operators shall assess the potential adverse effects on soil and groundwater of their launch activities.***
- 2. Where risks are identified, launch***

operators shall take appropriate and proportionate measures to mitigate those risks.

Or. en

Amendment 298
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 1 – introductory part

Text proposed by the Commission

Amendment

Union spacecraft operators of research and education missions, *are exempted* from the requirements laid down in:

Union spacecraft operators of research and education missions *may request an exemption to the Agency* from the requirements laid down in:

Or. en

Amendment 299
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 1 – point a – introductory part

Text proposed by the Commission

Amendment

(a) Article 66, for research spacecraft intended to be placed in an orbit above the limit prescribed in that Article and below **600** km, where:

(a) Article 66, for research spacecraft intended to be placed in an orbit above the limit prescribed in that Article and below **500** km, where:

Or. en

Amendment 300
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 1 – point b

Text proposed by the Commission

Amendment

(b) *Article 72, for spacecraft intended to remain in orbit less than one year;*

deleted

Amendment 301
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 1 – point c

Text proposed by the Commission

Amendment

(c) *point 2.3, of Annex IV;* *deleted*

Or. en

Amendment 302
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 1 – point d

Text proposed by the Commission

Amendment

(d) *point 2.5, of Annex IV;* *deleted*

Or. en

Amendment 303
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Amendment

For the purposes of point (c), of the first subparagraph, a contact point shall be available to respond in a reasonable operational time for LEO/MEO/GEO. *deleted*

Or. en

Amendment 304
Sergey Lagodinsky

Proposal for a regulation
Article 62 – paragraph 2

Text proposed by the Commission

2. The *exceptions* referred to in paragraph 1 shall be assessed on a case-by-case basis, by taking into consideration the size and the weight of the spacecraft, *and* the duration and orbit of the mission.

Amendment

2. The *request for exception* referred to in paragraph 1 shall be assessed on a case-by-case basis *by the Agency*, by taking into consideration the size and the weight of the spacecraft, *the commercial and non-commercial nature of the mission*, the duration and orbit of the mission, *and the associated potential risks*.

Or. en

Amendment 305
Sergey Lagodinsky

Proposal for a regulation
Article 63 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Union spacecraft operators shall ensure that a spacecraft possesses the technical means to allow trackability and precise determination of the orbital position, in accordance with point 1, of Annex III.

Amendment

Spacecraft operators shall ensure that a spacecraft possesses the technical means to allow trackability and precise determination of the orbital position, in accordance with point 1, of Annex III.

Or. en

Amendment 306
Sergey Lagodinsky

Proposal for a regulation
Article 63 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Union spacecraft operators shall ensure that systems at the ground segment are able to process data in an existing recognised data format, in accordance with point 2, of Annex III.

Amendment

Spacecraft operators shall ensure that systems at the ground segment are able to process data in an existing recognised data format, in accordance with point 2, of Annex III.

Or. en

Amendment 307
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 1

Text proposed by the Commission

1. **Union** spacecraft operators shall subscribe to the CA space services provided by the collision avoidance space services provider in charge of the Space Surveillance and Tracking (SST) sub-component referred to in Article 58(2) of Regulation (EU) 2021/696 ('Union CA space services provider').

Amendment

1. Spacecraft operators shall subscribe to the CA space services provided by the collision avoidance space services provider in charge of the Space Surveillance and Tracking (SST) sub-component referred to in Article 58(2) of Regulation (EU) 2021/696 ('Union CA space services provider').

Or. en

Amendment 308
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 2

Text proposed by the Commission

2. The subscription referred to in paragraph 1 shall cover all phases of a space mission, including orbit raising, ISOS and end of life phases, **with the exclusion of the re-entry phase.**

Amendment

2. The subscription referred to in paragraph 1 shall cover all phases of a space mission, including orbit raising, ISOS, **including debris removal and disposal,** and end of life phases.

Or. en

Amendment 309
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 3 – introductory part

Text proposed by the Commission

3. During operation, **Union** spacecraft operators shall inform **without delay** the Union CA space services provider of any

Amendment

3. During operation, spacecraft operators shall inform **immediately** the Union CA space services provider of any

of the following:

of the following:

Or. en

Amendment 310
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 3 – point c

Text proposed by the Commission

(c) any unplanned changes to the operations, including regarding problems encountered during the lifetime of the space mission and the disposal phase, that would impact compliance to this Regulation, *without undue delay*.

Amendment

(c) any unplanned changes to the operations, including regarding problems encountered during the lifetime of the space mission and the disposal phase, that would impact compliance to this Regulation.

Or. en

Amendment 311
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 4

Text proposed by the Commission

4. *Union* spacecraft operators shall comply with the requirements laid down in point 2, of Annex IV, and shall cooperate with the Union CA space services provider, in accordance with the requirements therein.

Amendment

4. Spacecraft operators shall comply with the requirements laid down in point 2, of Annex IV, and shall cooperate with the Union CA space services provider, in accordance with the requirements therein.

Or. en

Amendment 312
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 5

Text proposed by the Commission

5. Upon receipt of a high interest event alert, **Union** spacecraft operators shall inform ***without delay*** the Union CA space services provider of all actions taken to avoid the collision, in accordance with point 2, of Annex IV.

Amendment

5. Upon receipt of a high interest event alert, spacecraft operators shall inform ***immediately*** the Union CA space services provider of all actions taken to avoid the collision, in accordance with point 2, of Annex IV.

Or. en

Amendment 313
Sergey Lagodinsky

Proposal for a regulation
Article 64 – paragraph 5 a (new)

Text proposed by the Commission

Amendment

5 a. Operators should report annually to the relevant authorities:

(a) the number of conjunctions or high-interest event alerts that required them to manoeuvre their satellites, providing transparent information on the impact of their system on the safety of other systems, especially for orbits below 700km; and

(b) the number of intra-system conjunctions, as per Annex VI, 2.2 (b).

Or. en

Amendment 314
Sergey Lagodinsky

Proposal for a regulation
Article 65 – paragraph 1

Text proposed by the Commission

Amendment

1. **Union** spacecraft operators shall send the necessary data and information, such as positioning, state of the spacecraft, possibility to communicate, to enable a

1. Spacecraft operators shall send the necessary data and information, such as positioning, state of the spacecraft, possibility to communicate, to enable a

more accurate re-entry service to the Union CA space services provider referred to in Article 64(1), without prejudice to the transmission to the entity in charge of re-entry service in the Space Surveillance and Tracking (SST) sub-component referred to in Article 58(2) of Regulation (EU) 2021/696.

more accurate re-entry service to the Union CA space services provider referred to in Article 64(1), without prejudice to the transmission to the entity in charge of re-entry service in the Space Surveillance and Tracking (SST) sub-component referred to in Article 58(2) of Regulation (EU) 2021/696.

Or. en

Amendment 315 **Sergey Lagodinsky**

Proposal for a regulation **Article 66 – paragraph 1**

Text proposed by the Commission

1. **Union** spacecraft operators shall ensure that a spacecraft is designed, produced, and operated in a way that allows the spacecraft to have and enable manoeuvrability capabilities for orbits with an apogee above 400 km.

Amendment

1. Spacecraft operators **and manufacturers** shall ensure that a spacecraft is designed, produced, and operated in a way that allows the spacecraft to have and enable manoeuvrability capabilities for orbits with an apogee above 400 km.

Or. en

Amendment 316 **Sergey Lagodinsky**

Proposal for a regulation **Article 67 – paragraph 2**

Text proposed by the Commission

2. **Union** spacecraft operators shall report to the Agency the contact details **of their relevant staff in charge of** collision avoidance and re-entry activities, for inscription by the Agency into the contact list database established in accordance with paragraph 1.

Amendment

2. Spacecraft operators shall report to the Agency the contact details **for** collision avoidance and re-entry activities, for inscription by the Agency into the contact list database established in accordance with paragraph 1.

Or. en

Amendment 317
Sergey Lagodinsky

Proposal for a regulation
Article 68 – paragraph 1

Text proposed by the Commission

1. **Union** spacecraft operators shall comply with the orbital traffic and coordination requirements laid down in point 2, of Annex IV.

Amendment

1. Spacecraft operators shall comply with the orbital traffic and coordination requirements laid down in point 2, of Annex IV.

Or. en

Amendment 318
Sergey Lagodinsky

Proposal for a regulation
Article 68 – paragraph 2 – subparagraph 1

Text proposed by the Commission

The Commission shall, by means of **implementing** acts, adopt rules specifying the collision avoidance requirements laid down in point 2, of Annex IV.

Amendment

The Commission shall, by means of **delegated** acts, adopt rules specifying the collision avoidance requirements laid down in point 2, of Annex IV.

Or. en

Amendment 319
Sergey Lagodinsky

Proposal for a regulation
Article 68 – paragraph 2 – subparagraph 2

Text proposed by the Commission

Those **implementing** acts shall be adopted in accordance with the examination procedure referred to in Article **114(2)**.

Amendment

Those **delegated** acts shall be adopted in accordance with the examination procedure referred to in Article **113 with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.**

Or. en

Amendment 320
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Before launch, *Union* spacecraft operators shall analyse the choice of orbit and shall give reasons for that choice.

Amendment

Before launch, spacecraft operators shall analyse the choice of orbit and shall give reasons for that choice, *in particular on its long-term sustainability*.

Or. en

Amendment 321
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Union spacecraft operators shall select the orbit based on an analysis *taking into account the existing spacecraft and the debris in orbits*.

Amendment

Spacecraft operators shall select the orbit based on an *orbital-capacity analysis, which assesses the number of space objects that can safely co-exist in that same, nearby or overlapping orbits. The analysis shall also consider the aggregate collision risk associated with the fully deployed system over its entire mission life with other existing and planned satellite systems, and with both trackable and non-trackable debris*.

Or. en

Amendment 322
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 2 – subparagraph 1 – introductory part

Text proposed by the Commission

Amendment

The Commission shall, by means of implementing acts, develop:

The Commission shall, by means of implementing acts, develop ***a specific methodologies of calculating the congestion of LEO, MEO and GEO.***

Or. en

Amendment 323
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 2 – subparagraph 1 – point a

Text proposed by the Commission

Amendment

(a) ***specific methods of calculating the congestion of LEO, MEO and GEO;*** ***deleted***

Or. en

Amendment 324
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 2 – subparagraph 1 – point b

Text proposed by the Commission

Amendment

(b) ***methods to calculate the selection of the orbit, on the basis of recognised and state of the art methods.*** ***deleted***

Or. en

Amendment 325
Sergey Lagodinsky

Proposal for a regulation
Article 69 – paragraph 2 – subparagraph 2

Text proposed by the Commission

Amendment

Those implementing ***acts*** shall be adopted in accordance with the examination

This implementing ***act*** shall be adopted in accordance with the examination procedure

procedure referred to in Article 114(2).

referred to in Article 114(2) *with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.*

Or. en

Amendment 326
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 1 – introductory part

Text proposed by the Commission

Amendment

1. **Union** spacecraft operators shall take the following measures:

1. Spacecraft operators shall take the following measures:

Or. en

Amendment 327
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) limitation of planned generation of debris into Earth, during nominal operations, in accordance with point 1.1, of Annex V;

(a) **Prevention and** limitation, **to the extent possible**, of planned generation of debris into Earth, during nominal operations, in accordance with point 1.1, of Annex V;

Or. en

Amendment 328
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

2. **Union** spacecraft operators shall

2. Spacecraft operators shall draw up

draw up the following space debris mitigation plans and shall demonstrate fulfilment of the requirements laid down in paragraph 1:

the following space debris mitigation plans and shall demonstrate fulfilment of the requirements laid down in paragraph 1:

Or. en

Amendment 329
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 2 – point a

Text proposed by the Commission

(a) a debris control *plan*, in accordance with point 4.1, of Annex V;

Amendment

(a) a debris control *section*, in accordance with point 4.1, of Annex V;

Or. en

Amendment 330
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 2 – point b

Text proposed by the Commission

(b) an end-of-life disposal *plan*, in accordance with point 4.2, of Annex V;

Amendment

(b) an end-of-life disposal *section*, in accordance with point 4.2, of Annex V;

Or. en

Amendment 331
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 2 – point c

Text proposed by the Commission

(c) a failure response *plan*, in accordance with point 4.3, of Annex V.

Amendment

(c) a failure response *section*, in accordance with point 4.3, of Annex V.

Or. en

Amendment 332
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 3 – subparagraph 1 – introductory part

Text proposed by the Commission

The Commission *may*, by means of implementing acts:

Amendment

The Commission *shall*, by means of implementing acts:

Or. en

Amendment 333
Sergey Lagodinsky

Proposal for a regulation
Article 70 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2).

Amendment

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2) *with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.*

Or. en

Amendment 334
Sergey Lagodinsky

Proposal for a regulation
Article 71 – paragraph 1

Text proposed by the Commission

1. Where a *Union* spacecraft operator wishes to extend a space mission, that *Union* spacecraft operator shall submit to the competent authority a request to extend a space mission, at the latest 3 months before the planned end of the concerned space mission.

Amendment

1. Where a spacecraft operator wishes to extend a space mission, that spacecraft operator shall submit to the competent authority a request to extend a space mission, at the latest 3 months before the planned end of the concerned space mission.

Amendment 335
Sergey Lagodinsky

Proposal for a regulation
Article 71 – paragraph 2

Text proposed by the Commission

2. Upon request submitted in accordance with paragraph 1, the competent authorities may decide to extend the duration of a space mission carried out by a *Union* spacecraft operator beyond the period for which the initial authorisation has been granted.

Amendment

2. Upon request submitted in accordance with paragraph 1, the competent authorities may decide to extend the duration of a space mission carried out by a spacecraft operator beyond the period for which the initial authorisation has been granted.

Or. en

Amendment 336
Sergey Lagodinsky

Proposal for a regulation
Article 72 – paragraph 1

Text proposed by the Commission

1. *Union* spacecraft operators shall establish a plan containing measures that are adequate to limit light and radio pollution in accordance with paragraph 2.

Amendment

1. Spacecraft operators shall establish a plan containing measures that are adequate to limit light and radio pollution in accordance with paragraph 2.

Or. en

Amendment 337
Sergey Lagodinsky

Proposal for a regulation
Article 72 – paragraph 2 – subparagraph 1

Text proposed by the Commission

The visual magnitude for spacecraft during the *entire* lifetime, including the design requirements on low reflectivity coating or

Amendment

The visual magnitude for spacecraft during the *operational* lifetime, including the design requirements on low reflectivity

shielding, shall be at least 7 magnitude.

coating or shielding, shall be at least 7 magnitude. ***By exception, between the launch and reaching operational orbit, and during deorbiting phase, this limit shall be replaced by the obligation of operators to take all possible measures to reduce the visual magnitude, electromagnetic interferences and the time of maneuvering.***

Or. en

Amendment 338
Sergey Lagodinsky

Proposal for a regulation
Article 72 – paragraph 2 – subparagraph 2 – point a

Text proposed by the Commission

Amendment

(a) a description of the technical and operational measures implemented by the **Union** spacecraft operator to reduce the visible brightness of the spacecraft and to minimise the impact of satellites on astronomical observations;

(a) a description of the technical and operational measures implemented by the spacecraft operator to reduce the visible brightness of the spacecraft and to minimise the impact of satellites on astronomical observations ***in visible and invisible (infrared, ultraviolet, X-ray, gamma) light;***

Or. en

Amendment 339
Sergey Lagodinsky

Proposal for a regulation
Article 72 – paragraph 2 – subparagraph 2 – point b

Text proposed by the Commission

Amendment

(b) a description of the technical and operational measures implemented by the **Union** spacecraft operator to limit disruptions for radio astronomy observatories and to minimise the impact of satellites on ***astronomical observations.***

(b) a description of the technical and operational measures implemented by the spacecraft operator to limit disruptions for radio astronomy observatories and to minimise the impact of satellites on ***observational astronomy across the electromagnetic spectrum.***

Amendment 340
Sergey Lagodinsky

Proposal for a regulation
Article 73 – paragraph 1 – introductory part

Text proposed by the Commission

1. **Union** spacecraft operators of a constellation, a mega-constellation **or a giga-constellation** shall:

Amendment

1. Spacecraft operators of a constellation **or** a mega-constellation shall:

Or. en

Amendment 341
Sergey Lagodinsky

Proposal for a regulation
Article 73 – paragraph 2 – introductory part

Text proposed by the Commission

2. **Union** spacecraft operators of a mega-constellation **or a giga-constellation** shall:

Amendment

2. Spacecraft operators of a mega-constellation shall:

Or. en

Amendment 342
Sergey Lagodinsky

Proposal for a regulation
Article 73 – paragraph 3

Text proposed by the Commission

3. **Union space operators of a giga-constellation shall provide to the competent authority, during the spacecraft design and operation, a plan evidencing the availability of propellant necessary to tackle the high number of manoeuvres related to the anticipated**

Amendment

deleted

number of required collision avoidance.

Or. en

Amendment 343
Sergey Lagodinsky

Proposal for a regulation
Article 73 – paragraph 4 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2).

Amendment

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2) ***with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.***

Or. en

Amendment 344
Sergey Lagodinsky

Proposal for a regulation
Article 74 – paragraph 1

Text proposed by the Commission

In their contracts concluded with supplier manufacturers, ***Union*** space operators shall ensure the conformity of contracted space objects or, as applicable, conformity of components, with the design and the manufacturing requirements as laid down in this Chapter.

Amendment

In their contracts concluded with supplier manufacturers, space operators shall ensure the conformity of contracted space objects or, as applicable, conformity of components, with the design and the manufacturing requirements as laid down in this Chapter.

Or. en

Amendment 345
Sergey Lagodinsky

Proposal for a regulation
Title IV – Chapter II – title

Text proposed by the Commission

Amendment

II RESILIENCE OF SPACE
INFRASTRUCTURE

**CYBER AND PHYSICAL RESILIENCE
OF SPACE INFRASTRUCTURE**

Or. en

Amendment 346
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 1

Text proposed by the Commission

Amendment

1. In relation to *Union* space operators qualifying as essential or important entities pursuant to Article 3 of Directive (EU) 2022/2555 with regard to space activities and space services covered by this Regulation, ***this Regulation shall be considered, as regards Article 21 of Directive (EU) 2022/2555, related to cybersecurity risk-management measures, a sector-specific Union legal act, for the purposes of Article 4 of that Directive.***

1. ***This Regulation shall be without prejudice to Directive (EU) 2022/2555*** in relation to space operators qualifying as essential or important entities pursuant to Article 3 of Directive (EU) 2022/2555 with regard to space activities and space services covered by this Regulation.

Or. en

Amendment 347
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 2

Text proposed by the Commission

Amendment

2. Where *Union* space operators have been identified as critical entities in accordance with Directive (EU) 2022/2557, this Regulation shall apply ***in complementarity with*** Directive (EU) 2022/2557.

2. Where space operators have been identified as critical entities in accordance with Directive (EU) 2022/2557, this Regulation shall apply ***without prejudice to*** Directive (EU) 2022/2557.

Or. en

Amendment 348
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 3 – introductory part

Text proposed by the Commission

3. For the purposes of this Chapter, the competent authorities shall cooperate with the relevant authorities designated or established pursuant to Article 9(1) of Directive 2022/2557, *as follows*:

Amendment

3. For the purposes of this Chapter, the competent authorities shall cooperate with the relevant authorities designated or established pursuant to Article 9(1) of Directive 2022/2557 *wherever necessary for the purpose of ensuing consistency in the application of this Regulation and Directive (EU) 2022/2555, and of sharing information.*

Or. en

Amendment 349
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 3 – point a

Text proposed by the Commission

(a) *in the context of supporting the risk assessments to be carried out under this Regulation, pursuant to Article 78(2), and the risk assessments to be carried out under Directive (EU) 2022/2557, pursuant to Article 12(2), second subparagraph, and to Article 13(2);*

Amendment

deleted

Or. en

Amendment 350
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 3 – point b

Text proposed by the Commission

Amendment

(b) whenever necessary for the purposes of ensuring consistency in the application of this Regulation and Directive (EU) 2022/2557, and of sharing information, including for the purposes referred to in Articles 11, 15, 18 and 21 of that Directive.

deleted

Or. en

Amendment 351
Sergey Lagodinsky

Proposal for a regulation
Article 75 – paragraph 3 a (new)

Text proposed by the Commission

Amendment

3 a. For the purposes of this Chapter, the national competent authorities shall cooperate with the relevant authorities designated or established pursuant to Article 8(1) of Directive 2022/2557 whenever necessary for ensuring consistency in the application of this Regulation and Directive (EU) 2022/2557 and for sharing information.

Or. en

Amendment 352
Sergey Lagodinsky

Proposal for a regulation
Article 75 a (new)

Text proposed by the Commission

Amendment

Article 75a

Cybersecurity requirements

1.Space operators that qualify as essential or important entities pursuant to Article 3 of Directive (EU) 2022/2555 shall comply

with the implementing act referred to in Article 21(5), second subparagraph of that Directive.

2. Paragraphs 3 to 5 of this Article shall apply to all of the following:

(a) space operators that do not qualify as essential or important entities pursuant to Article 3 of Directive (EU) 2022/2555;

(b) third-country space operators;

(c) international organisations with which an agreement is in force pursuant to Article 107 as applicable;

(d) Union-operators of Union owned assets.

3. The entities referred to in paragraph 2 shall take appropriate technical, operational and organisational measures to manage the risks posed to the security of network and information systems which those entities use for their operations or for the provision of their services, and to prevent or minimise the impact of incidents on recipients of their services and on other services.

Taking into account the state-of-the-art and, where applicable, relevant European and international standards, as well as the cost of implementation, the measures referred to in the first subparagraph shall ensure a level of security of network and information systems appropriate to the risks posed. When assessing the proportionality of those measures, due account shall be taken of the degree of the entity's exposure to risks, the entity's size and the likelihood of occurrence of incidents and their severity, including their societal and economic impact.

4. The measures referred to in paragraph 3 shall be based on an all-hazards approach that aims to protect network and information systems and the physical environment of those systems from

incidents, and shall include at least the following:

(a) policies on risk analysis and information system security;

(b) incident handling, as defined in Article 6, point (8), of Directive (EU) 2022/2555;

(c) business continuity, such as backup management and disaster recovery, and crisis management;

(d) supply chain security, including security-related aspects concerning the relationships between each entity and its direct suppliers or service providers and any other contractual relationship necessary to perform the space mission;

(e) security in network and information systems acquisition, development and maintenance, including vulnerability handling and disclosure;

(f) policies and procedures to assess the effectiveness of cybersecurity risk-management measures;

(g) basic cyber hygiene practices and cybersecurity training;

(h) policies and procedures regarding the use of cryptography and, where appropriate, encryption;

(i) human resources security, access control policies and asset management;

(j) the use of multi-factor authentication or continuous authentication solutions, secured voice, video and text communications and secured emergency communication systems within the entity, where appropriate.

5. When considering which measures referred to in paragraph 4, point (d), of this Article are appropriate, entities shall take into account the vulnerabilities specific to each direct supplier and service provider and the overall quality of

products and cybersecurity practices of their suppliers and service providers, including their secure development procedures.

Or. en

Amendment 353
Sergey Lagodinsky

Proposal for a regulation
Title IV – Chapter II – Section 2

Text proposed by the Commission

Amendment

[...]

deleted

Or. en

Amendment 354
Sergey Lagodinsky

Proposal for a regulation
Article 76

Text proposed by the Commission

Amendment

[...]

deleted

Or. en

Amendment 355
Sergey Lagodinsky

Proposal for a regulation
Article 77

Text proposed by the Commission

Amendment

Article 77

deleted

Organisational aspects

- 1. The management body of a Union space operator shall oversee, be responsible and held liable for, the implementation of the risk management measures taken to ensure compliance with*

the requirements laid down in this Chapter.

2. Union space operators shall set up, revise and monitor internal mechanisms regarding the human resources security policy, to ensure that all personnel, understand and commit to security responsibilities, in line with roles and responsibilities. Union space operators shall set up human resources polices to ensure throughout the hiring and disciplinary processes any needed vetting and checks.

Or. en

Amendment 356
Sergey Lagodinsky

Proposal for a regulation
Article 78

Text proposed by the Commission

Amendment

Article 78

deleted

Risk assessments

1. Throughout the life cycle of space missions, Union space operators, shall:

- (a) identify and assess, on a continuous basis, all sources of risks;*
- (b) regularly review the identified risks;*
- (c) identify cybersecurity and physical vulnerabilities and incidents and analyse, in view of the risk assessment referred to in paragraph 2, when such vulnerabilities cannot be fixed or mitigated immediately;*
- (d) establish dedicated risk treatment plans for all the cybersecurity vulnerabilities identified which create a risk above the level of risk referred to in Article 76(2), point (b).*

2. Union space operators shall carry

out risk assessments in accordance with point 1, of Annex VII.

3. The Commission is empowered to adopt delegated acts, in accordance with Article 113, to supplement this Regulation by:

(a) establishing, for the purposes of the risk scenarios referred to in point 1.4, point (f), of Annex VII, the criteria for the identification of:

(i) critical assets, critical functions, critical operations and critical stages, throughout the lifecycle of space missions, for which Union space operators shall develop security risk scenarios;

(ii) critical assets and critical functions referred to in Article 79(1), first subparagraph, for which the entities applying a simplified risk management shall develop security risk scenarios;

(b) developing risk scenarios that are tailored to the risks addressed by Union space operators, and respectively entities applying a simplified risk management;

(c) establishing a minimal list of security objectives, including the risk levels to be taken into account;

(d) developing the criteria and the methodology to ensure the comparability of risk assessments, to facilitate the supervisory activities ('supervisory reviews') of competent authorities;

(e) develop threat modelling methods to support the risk assessments for different segments and systems of space infrastructure;

(f) develop risk treatment measures to be applied by the Union space operators.

Or. en

Proposal for a regulation
Article 79

Text proposed by the Commission

Amendment

Article 79

deleted

Simplified risk management

1. Entities subject to the simplified risk management referred to in Article 10(3) shall apply the measures laid down in point 9, of Annex VII, only in relation to critical assets and critical functions, needed to address the risks of:

(a) loss of control of assets with propulsion;

(b) loss of control of assets with capacity to emit interferences susceptible to adversely impact the security of other space operations.

2. Competent authorities shall submit to the Agency the list of entities applying a simplified risk management.

3.

The Agency shall report to the Commission annually on the application of the simplified risk management across the Union. The Agency may submit recommendations to facilitate supervisory convergence across the internal market.

The main findings of the reports referred to in the first subparagraph shall be tabled, as appropriate, on the agenda of the meetings of the EU Space Resilience Network established in accordance with Article 94(1).

4. To allow the provisions of this Regulation to be adapted to scientific and technical progress, based on the best available techniques, the Commission is empowered to adopt delegated acts in

accordance with Article 113 to amend the requirements laid down in point 9, of Annex VII.

Or. en

Amendment 358
Sergey Lagodinsky

Proposal for a regulation
Article 80

Text proposed by the Commission

Amendment

Article 80

deleted

Identification and management of information and assets of space infrastructure

- 1. Union space operators shall establish, maintain and update comprehensive policies for the categorization and management of information and assets of space infrastructure.**
- 2. Union space operators shall identify and document assets in accordance with point 2, of Annex VII, considering the risk assessments referred to in Article 78(2), and proportionately with the need to monitor and detect incidents referred to in Article 83.**
- 3. Union space operators shall categorise information according to information security needs, based on, at least:**
 - (a) the need to ensure the confidentiality, integrity, authenticity and availability of information;**
 - (b) the level of criticality required by the security level of the respective space mission.**
- 4.**

For the purposes of paragraphs 1, 2 and

3, Union space operators, and respectively entities applying a simplified risk management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall set up and maintain inventories.

The inventories referred to in first subparagraph shall be drawn-up by individual space mission, indicating the origin and the current physical location of assets, including the identification of a cloud-based service, when relevant. Inventories shall be up to date.

Or. en

**Amendment 359
Sergey Lagodinsky**

**Proposal for a regulation
Article 81**

Text proposed by the Commission

Amendment

Article 81

deleted

Management and control of access rights

- 1. Union space operators shall implement the management and control of access rights through identity and access management protocols.**
- 2. The protocols referred to in paragraph 1 shall set-out the conditions and procedures for the logical and physical access rights to systems and assets, including for remote access.**
- 3. The identity and access management protocols referred to in paragraph 1 shall:**
 - (a) be capable of safeguarding accesses to the ground segment and to the centres for the control of the space segment;**
 - (b) allow restriction of physical and logical access to all critical assets, critical**

information, critical functions, critical operations and, as appropriate, critical equipment or information identified in accordance with Article 80(2);

(c) be tailored to standard operations and to emergency situations, to enable effective and timely emergency responses upon the activation of the response and recovery plans referred to in Article 87.

4.

When setting-out the conditions and procedures referred to in paragraph 2, Union space operators shall cover the issuance, the continuous management (including change, upgrade or downgrade), the revocation, termination, verification and the audit of logical and physical access rights for all authorised devices, processes, and users.

Those conditions and procedures shall be based on the principles of ‘need to know’ and ‘the least privilege’ (limitation to what is required for ensuring a legitimate and approved use or activity).

5. *The identity and access rights referred to in paragraph 2 shall be revoked automatically when the authorizations of staff or devices expire or are no longer needed.*

6. *The identity and access management protocols referred to in paragraph 1 shall ensure adequate protection of information and assets identified in accordance with Article 80(2) from risks, including from damage, misuse or unauthorised access or usage.*

Or. en

Amendment 360
Sergey Lagodinsky

Proposal for a regulation
Article 82

Article 82

deleted

Physical resilience

- 1. Union space operators shall take the measures laid down in point 3, of Annex VII, and any other measures that are necessary and adequate to ensure the resilience of the physical assets and which are at least equivalent to the technical, security and organisational measures referred to in Article 13 of Directive (EU) 2022/2557 to ensure the resilience of the ground segments.***
- 2. Where Union space operators have been identified as critical entities in accordance with Directive (EU) 2022/2557, this Regulation shall apply without prejudice to, and in complementarity with, that Directive.***
- 3. Union space operators shall define, protect and segregate areas that contain assets and information which are deemed sensitive or identified as critical, based on the identification carried out pursuant to Article 80(2).***
- 4. The Commission is empowered to adopt delegated acts in accordance with Article 113, to amend the requirements laid down in point 3, of Annex VII, to adapt them to the scientific and technical progress, based on the best available techniques.***

Or. en

Amendment 361
Sergey Lagodinsky

Proposal for a regulation
Article 83

Article 83

deleted

Detection and monitoring of incidents

- 1. Union space operators shall monitor on a continuous basis the occurrence of anomalies and incidents by using appropriate detection systems and mechanisms.***
- 2. Union space operators, and respectively entities applying the simplified risk management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall ensure that the ground stations have access to detection systems and mechanisms that comply with at least the requirements laid down in point 4, of Annex VII.***
- 3. The spacecraft and the ground segment shall be configured to generate and respectively receive, upon detection of an incident, a security event which shall be sent to a security monitoring subsystem. The security monitoring subsystem of the ground segment shall be, in terms of information technology, segregated from the rest of the infrastructure (logical segregation).***
- 4. Union space operators shall ensure that the detection systems and mechanisms are regularly tested in accordance with Articles 88 and 89.***
- 5. The Commission is empowered to adopt delegated acts in accordance with Article 113, to amend the list of requirements laid down in point 4, of Annex VII, to adapt them to the scientific and technical progress, based on the best available techniques.***

Or. en

Amendment 362
Sergey Lagodinsky

Proposal for a regulation
Article 84

Text proposed by the Commission

Amendment

Article 84

deleted

Prevention and protection

1. Union space operators shall tailor the measures concerning the cybersecurity of the spacecraft and the ground segment adopted in accordance with this Chapter to the specific needs of the space mission and shall adequately cover the risks identified in the security risk assessment referred to in Article 78(2).

2. Union space operators shall ensure that the network and information systems fulfil the following conditions:

(a) they comply with the requirements laid down in point 5.1, of Annex VII;

(b) they are configured to allow the ground segment to supervise the telemetry/telecommand on ground and to supervise the state of the spacecraft;

(c) they enable Union space operators to maintain effective technical control of the space segment.

3.

Union space operators, and respectively entities applying a simplified risk management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall ensure that only authorised devices communicate with the systems in charge of the control, command of a satellite, and configuration of the space mission.

They shall comply to that effect with at least the requirements laid down in point

5.2, of Annex VII and point 5.3, of Annex VII.

4. Union space operators shall implement preventive and protective measures that are necessary and adequate to ensure the resilience of space activities, by taking at least the measures regarding the ground segment which are laid down in point 5.4, of Annex VII.

5. The Commission is empowered to adopt delegated acts in accordance with Article 113 to amend the requirements laid down in point 5, of Annex VII, to adapt them to the scientific and technical progress, based on the best available techniques.

Or. en

Amendment 363
Sergey Lagodinsky

Proposal for a regulation
Article 85

Text proposed by the Commission

Amendment

Article 85

deleted

Cryptography and encryption

1. Based on the risk assessment referred to in Article 78(2), Union space operators, and respectively entities applying a simplified risk management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall comply with the following:

(a) they shall define a cryptographic concept to ensure the cybersecurity of the space missions, by duly considering all the relevant criteria, such as the objective of the space mission, the features of the payload, any functional requirement and any relevant threat scenarios;

(b) they shall select cryptographic mechanisms in accordance with the relevant standards and recommendations of competent authorities;

(c) they shall implement policies and procedures for the use of cryptography and encryption for their space missions.

2. Union space operators shall establish a lifecycle management policy for the cryptographic keys which shall set out rules for the protection and management of cryptographic key to ensure the secure generation, use, storage, distribution, and disposal thereof.

3. For the purposes of paragraph 1, first subparagraph, Union space operators shall implement at least the following requirements:

(a) end-to-end authentication of the links between the satellite control centres and the space segment, by using cryptographic mechanisms between the ground segment and the satellite;

(b) ensure the encryption of telecommands considering the risk assessments referred to in Article 78(2), and following recommendations from supervisory reviews;

(c) ensuring the availability of cryptographic keys and parameters that are necessary to ensure the implementation of the response and recovery plans referred to in Article 87, through redundant cryptographic equipment, or by implementing key escrowing.

4. The Commission is empowered, in accordance with Article 113, to adopt delegated acts to further supplement the use by Union space operators of cryptographic products and related key management products or services certified under the European cybersecurity certification schemes adopted pursuant to

*Article 49 of Regulation (EU) 2019/881,
to ensure the protection of the telemetry
and telecommands.*

Or. en

Amendment 364
Sergey Lagodinsky

Proposal for a regulation
Article 86

Text proposed by the Commission

Amendment

Article 86

deleted

Backup management and redundancies

1.

Union space operators and respectively entities applying a simplified risk management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall ensure a sound and comprehensive backup management policy to enable the restoration of the network and information systems, and to facilitate, with minimum downtime and limited disruption or loss recovery, the recovery processes and the retrieval of data, upon the activation of the response and disaster recovery measures.

That policy shall specify the data subject to the backup management, the frequency of backups, and the restoration and recovery procedures and methods used.

2. *Union space operators shall ensure that the backup systems do not jeopardise the security of the network and information systems, or the confidentiality, integrity, authenticity, and availability of data.*

3.

Union space operators and respectively entities applying a simplified risk

management, as regards the critical assets and critical functions referred to in Article 79(1), first subparagraph, shall ensure sufficient redundancies of relevant components of the network and information systems in the ground segment.

They shall in particular:

(a) ensure redundancies of elements, other than the components of the network and information systems, as necessary to safeguard the continuity of operations, for instance redundancies of power supply in the form of generators for secondary processing sites;

(b) ensure geographical splitting into distinct locations, as deemed appropriate, of redundant elements and of back-up;

(c) ensure an adequate survivability of the space segment, without intervention, to facilitate quick recovery from incidents, such as notably from cyber-attacks, disasters, failures, as well as from an accidental interruption of services.

4. The Commission is empowered to adopt delegated acts in accordance with Article 113, to specify further the requirements on backup needed to ensure adequate survivability of the space segment and to facilitate quick recovery from incidents in order to allow the provisions of this Regulation to be adapted to scientific and technical progress, based on the best available techniques.

Or. en

Amendment 365
Sergey Lagodinsky

Proposal for a regulation
Article 87

Article 87

deleted

***Business continuity policy and response
and recovery plans***

1. As part of their risk management, Union space operators shall put in place and shall document incident and crisis management measures. The measures shall be structured into a business continuity policy which shall be implemented through tailored response and recovery plans.

2. The response and recovery plans referred to in paragraph 1 shall allow Union space operators to quickly and effectively respond to incidents and contain the adverse effects thereof.

3.

The crisis management measures taken by Union space operators shall build on the measures established, within the space segment and the ground segment, including redundancies and backups, to mitigate in particular the following:

(a) natural disasters;

(b) operation accidents;

(c) disruptions in the supply of utilities, notably during the operation phases;

(d) loss of power generation, power failures and disturbances and changes of conditioning of the relevant equipment;

(e) loss of physical assets at the ground segment, including, for instance, loss of mission control centres, loss of satellite control centres, and loss of terrestrial interconnection between them;

(f) interferences on the ground-to-space, space-to-ground and the space-to-space radio frequency links;

(g) *altered or compromised parts of the ground segment, including as regards the cryptographic keys.*

When implementing the requirements set out in the first subparagraph, Union space operators shall take into consideration the need to maintain effective technical control of the space segment, and ensuring the continuity of services and minimising the areas of the unavailability of services.

4. Union space operators shall ensure that staff involved in carrying out business continuity measures and implementing response and recovery plans have acquired full and adequate trainings needed to fulfil their roles.

Or. en

Amendment 366
Sergey Lagodinsky

Proposal for a regulation
Article 88

Text proposed by the Commission

Amendment

Article 88

deleted

Testing

1. Union space operators shall establish, maintain and review a testing programme for the network and information systems, as an integral part of their risk-management.

2. The testing programme referred to in paragraph 1 shall include testing campaigns comprising all necessary tests, notably considering the risk assessment referred to in Article 78(2).

3.

Union space operators shall ensure that, prior to launch, or in the case of satellites part of a constellation, prior to the launch

of the first batch of satellites, and at least every 3 years afterwards, they carry out Threat Led Penetration Testing (TLPT).

The plan for testers carrying out a TLPT shall outline the scope and the methodology of the TLPT, the entity in charge of carrying out such test, the mitigation strategy for any risks which carrying out of a TLPT may entail.

Testers carrying out TLPT shall comply with the following requirements:

- (a) they shall be of the highest suitability and reputability;*
- (b) they shall possess all technical and organisational capabilities and shall demonstrate specific expertise in penetration testing;*
- (c) they shall provide an independent assurance or an audit report;*
- (d) they shall present a redress plan to address the identified risks.*

Testers that are external to the corporate structure of the Union space operators shall be certified by an accreditation body of a Member State or shall adhere to formal codes of conduct or ethical frameworks. They shall be fully covered by a relevant professional indemnity insurance against risks of misconduct and negligence.

Union space operators shall monitor system failures and anomalies observed during the testing processes and evaluate their criticality.

Or. en

Amendment 367
Sergey Lagodinsky

Proposal for a regulation
Article 89

Text proposed by the Commission

Amendment

Article 89

deleted

Learning and training

- 1. Union space operators shall provide their staff with appropriate training, in accordance with paragraphs 2, 3, 4, 5 and 6.***
- 2. All staff of Union space operators shall be adequately and continuously trained and shall follow the trainings referred to in point 7.1, of Annex VII.***
- 3. Union space operators shall ensure that all staff receive tailored trainings in accordance with point 7.2, of Annex VII.***
- 4. All security personnel working for the Union space operators shall have the required security skills and shall be adequately trained.***
- 5. Staff of Union space operators operating in sensitive environments or handling sensitive equipment or data shall be regularly trained on the best methods and practices to carrying out such tasks.***
- 6. Union space operators shall incorporate the lessons learned from the handling of incidents by updating business continuity plans, training sessions and staff testing programmes.***

Or. en

Amendment 368
Sergey Lagodinsky

Proposal for a regulation
Article 90

Text proposed by the Commission

Amendment

Article 90

deleted

*Crisis communication and disclosure
policy*

1. Union space operators shall put in place a crisis communication strategy which shall enable responsible disclosure of significant incidents and shall be targeted to, and tailored for, each of the following categories:

(a) staff involved in the execution of risk management tasks, notably response and response and recovery measures;

(b) staff, other than that staff referred to in point (a), to the extent that communication to such staff is deemed appropriate for ensuring general corporate awareness, based on the need-to-know principle;

(c) clients, to alert them of, and raise awareness of, significant cyber threats;

(d) in the case of satellites hosting third-party payloads, where an incident has adverse impact on the satellite platform operations, the concerned third-party entity, according to a pre-defined agreement and following instructions set out in its response and disaster recovery plan.

2. At least one person in the corporate structure of Union space operators shall be responsible of the implementation of the communication strategy referred to in paragraph 1 and shall fulfil the function of media officer.

Or. en

Amendment 369
Sergey Lagodinsky

Proposal for a regulation
Article 91

Article 91

deleted

Handling of incidents

1.

Union space operators shall establish and implement an incident management process that allows them to promptly detect, identify, handle and respond to incidents and to report significant incidents in accordance with Article 93.

Union space operators shall set up roles and responsibilities in relation to the different types of incidents which shall be adapted to the different risk scenarios.

2.

Union space operators shall ensure that at least the significant incidents are reported to the senior risk management staff immediately.

The management body shall receive, on a regular basis, to be determined by the chief information security officer, the security manager or the senior risk management officer, sufficient information about the significant incident, an assessment of their impact, information about the response and recovery measures which have been taken and any additional controls and procedures to be established in the follow-up of that significant incident.

3.

When a satellite hosts third-party payloads, and an incident has adverse impact on the satellite platform operations, Union space operators shall inform the concerned third-party entity and shall follow the instructions set out in the pre-defined agreements referred to in the second subparagraph and those set out in the response and disaster recovery

plans.

For those purposes of ensuring speed and effective handling of incidents, Union space operators shall conclude agreements with third-party entities for which a satellite host a payload.

4. Union space operators shall address the root causes of incidents to prevent the occurrence of future incidents.

Or. en

Amendment 370
Sergey Lagodinsky

Proposal for a regulation
Article 92

Text proposed by the Commission

Amendment

Article 92

deleted

Supply chain risk management

1. Union space operators shall establish a supply chain risk management framework. Their contracts with supplier manufacturers and service providers shall contain supply-chain security-related aspects in particular on information security requirements.

2. Union space operators shall base their supply chain risk management on a strategy to reduce risks in the supply chain which shall include at least the measures referred to in point 6, of Annex VII.

3. Union space operators shall establish an inventory of at least the critical assets of non-Union origin, which, considering the risk assessment referred to in Article 78(2), are needed to maintain an effective technical control of the space mission, such as the orbital control, with a view to supporting the analysis of the level

of dependence of the space missions of the respective assets.

4. *To allow the provisions of this Regulation to be adapted to scientific and technical progress, based on the best available techniques, the Commission is empowered to adopt delegated acts in accordance with Article 113, to amend the list of requirements laid down in point 6, of Annex VII.*

Or. en

Amendment 371
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 1

Text proposed by the Commission

1. *Union* space operators shall report to the structure referred to in Article 34(4) of Regulation (EU) 2021/696 significant incidents affecting the Union-owned assets.

Amendment

1. *An incident shall be considered significant as provided for in Article 23(3) of Directive (EU) 2022/2555.* Space operators shall report to the structure referred to in Article 34(4) of Regulation (EU) 2021/696 significant incidents affecting the Union-owned assets.

Or. en

Amendment 372
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 2

Text proposed by the Commission

2. *Without prejudice to paragraph 3, Union space operators shall report to the competent authorities referred to in Article 28(1) the significant incidents affecting the assets referred to in Article 5, first paragraph, point (21). The competent authorities referred to in*

Amendment

deleted

Article 28(1) shall in turn transmit a summary of each reported incident to the Agency.

Or. en

Amendment 373
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 3 – subparagraph 1

Text proposed by the Commission

Where *Union* space operators qualify as essential or important entities pursuant to Annexes I or II of Directive (EU) 2022/2555, the reporting referred to in paragraph 2, shall be carried out *through the CSIRTs, established pursuant to Article 10 (1) of Directive 2022/2555 or, where applicable, the competent authority, established pursuant to Article 8(1) of Directive 2022/2555, which shall, without delay, transmit all the relevant reported information to the competent authorities referred to in Article 28(1), including any technical support and feedback that such CSIRTs or authorities provided to space operators pursuant to Articles 23 of that Directive.*

Amendment

Where space operators qualify as essential or important entities pursuant to Annexes I or II of Directive (EU) 2022/2555, the reporting referred to in paragraph 2 *and 3*, shall be carried out *in accordance with* Article 23 of that Directive.

Or. en

Amendment 374
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Where Union space operators have been identified as critical entities pursuant to Directive (EU) 2022/2557, Member States shall determine whether the reporting referred to in the first subparagraph shall

Amendment

deleted

be carried out by the Union space operators directly to the competent authorities referred to in Article 28(1), or to the authorities referred to in Article 15 of that Directive or by other means.

Or. en

Amendment 375
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 3 – subparagraph 3

Text proposed by the Commission

Amendment

The provisions of paragraph 7 shall in that case apply accordingly as regards the information to be transmitted.

deleted

Or. en

Amendment 376
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 4

Text proposed by the Commission

Amendment

4. *For Union space operators qualifying as essential or important entities pursuant to Annexes I or II of Directive (EU) 2022/2555, or which are identified as critical entities pursuant to Directive (EU) 2022/2557, respectively, the reporting requirement referred to in paragraphs 2 and 3 shall be without prejudice to the reporting obligations provided for in Article 23 of Directive (EU) 2022/2555 or the notification obligations provided for in Article 15(1) and (2) of Directive (EU) 2022/2557, respectively.*

deleted

Or. en

Amendment 377
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 5

Text proposed by the Commission

Amendment

5. Without prejudice to the technical input, advice, remedies and subsequent follow-up which may be provided, as applicable, in accordance with national law, by the CSIRTs, in accordance with Article 11 of Directive (EU) 2022/2555, competent authorities may provide feedback to Union space operators, by making available any relevant anonymised information on cyber threats and may discuss remedies or ways to minimise and mitigate potential adverse impact across borders. **deleted**

Or. en

Amendment 378
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 6

Text proposed by the Commission

Amendment

6. An incident shall be considered significant if: **deleted**

(a) it has caused or can cause a severe operational disruption of space activities carried out by Union space operators, or of services provided, or considerable financial loss for the Union space operators concerned;

(b) it has an impact on, or can impact, other natural or legal persons by causing considerable material or non-material damage.

Or. en

Amendment 379
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 7 – subparagraph 1 – introductory part

Text proposed by the Commission

Union space operators shall submit to the Agency, as regards the requirement referred to in paragraph 1, and respectively to the competent authorities, as regards the requirement referred to in paragraph 2, the following information:

Amendment

Where space operators *do not qualify as essential or important entities in accordance with Directive (EU) 2022/2555*, they shall submit to the CSIRT established in accordance with Article 10 of that Directive or, where applicable, to the competent authority established in accordance with Article 8 of that Directive, the following information:

Or. en

Amendment 380
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 7 – subparagraph 1 – point a

Text proposed by the Commission

(a) without *undue* delay, and in any event within 12 hours of becoming aware of the significant incident, *as regards the Union-owned assets, and within 24 hours for assets referred to in Article 5, first paragraph, point (21), respectively*, an early warning which shall indicate whether the significant incident may have been caused by unlawful or malicious acts, or if it could have a *cross-border* impact;

Amendment

(a) without delay, and in any event within 12 hours of becoming aware of the significant incident an early warning which shall indicate whether the significant incident may have been caused by unlawful or malicious acts, or if it could have a *cross-border* impact;

Or. en

Amendment 381
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 7 – subparagraph 1 – point b

Text proposed by the Commission

(b) without **undue** delay, and in any event within 72 hours of becoming aware of the significant incident, a report, which shall update the information referred to in point (a), and shall provide an initial assessment of the significant incident, including its severity and impact, as well as, where available, the indicators of compromise;

Amendment

(b) without delay, and in any event within 72 hours of becoming aware of the significant incident, a report which shall update the information referred to in point (a), and shall provide an initial assessment of the significant incident, including its severity and impact, as well as, where available, the indicators of compromise;

Or. en

Amendment 382
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 7 – subparagraph 1 – point c

Text proposed by the Commission

(c) upon the request of the competent **authority, or as applicable, of the Agency**, an intermediate report with relevant status updates;

Amendment

(c) upon the request of the **CSIRT or** competent, an intermediate report with relevant status updates;

Or. en

Amendment 383
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 7 – subparagraph 2

Text proposed by the Commission

The Commission is empowered to adopt delegated acts, in accordance with Article 113, to supplement this Regulation, by specifying the criteria to determine what constitutes a severe operational disruption of space activities, or of services provided by a **Union** space operator, as referred to in paragraph 6, point (a), including the

Amendment

The Commission is empowered to adopt delegated acts, in accordance with Article 113, to supplement this Regulation, by specifying the criteria to determine what constitutes a severe operational disruption of space activities, or of services provided by a space operator, as referred to in paragraph 6, point (a), including the

relevant materiality thresholds.

relevant materiality thresholds.

Or. en

Amendment 384
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 8 a (new)

Text proposed by the Commission

Amendment

8 a. *The CSIRTs established pursuant to Article 10, point (1), of Directive (EU) 2022/2555 or the competent authority established pursuant to Article 8, point (1), of that Directive shall, without delay, transmit all the relevant reported information to the national competent authorities referred to in Article 28(1) of this Regulation. Those national competent authorities shall in turn transmit a summary of each reported incident to the Agency.*

Or. en

Amendment 385
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 8 b (new)

Text proposed by the Commission

Amendment

8 b. *By derogation to paragraph 7, Union space operators of Union-owned assets shall report significant incidents affecting the Union-owned assets to the structure referred to in Article 34(4) of Regulation (EU) 2021/696. In addition, they shall:*

(a) send the early warning within 12 hours, indicating whether the significant incident may have been caused by unlawful or malicious acts, or if it could

have a cross-border impact; and
(b) send an intermediate report with relevant status updates upon request of the Agency.

Or. en

Amendment 386
Sergey Lagodinsky

Proposal for a regulation
Article 93 – paragraph 8 c (new)

Text proposed by the Commission

Amendment

8 c. The Commission is empowered to adopt delegated acts, in accordance with Article 113, to specify in further detail the content of the information to be reported pursuant to paragraph 10 and 11, and to lay down the templates and procedures for the reporting of that information.

Or. en

Amendment 387
Sergey Lagodinsky

Proposal for a regulation
Article 94 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) to ensure consistent approaches among the competent authorities when providing the advice and support referred to in Article 93(5), and support the *Union* space operators in achieving coherence in their monitoring and handling of significant incidents;

(a) to ensure consistent approaches among the competent authorities when providing the advice and support referred to in Article 93(5), and support the space operators in achieving coherence in their monitoring and handling of significant incidents;

Or. en

Amendment 388
Sergey Lagodinsky

Proposal for a regulation
Article 95 – paragraph 1 – introductory part

Text proposed by the Commission

1. *Union* space operators *may, on a voluntary basis*, exchange *among themselves* relevant information in the area of cybersecurity, including relevant information on cyber-attacks, cyber threats, electronic interferences such as jamming, spoofing, information on indicators of compromise, adversarial tactics, techniques and procedures, near misses, vulnerabilities, threat-actor-specific information, and share cybersecurity alerts and recommendations for the configuration of cybersecurity tools allowing detection of cyberattacks, to the extent that such information sharing:

Amendment

1. Space operators *shall regularly* exchange relevant information in the area of cybersecurity, including relevant information on cyber-attacks, cyber threats, electronic interferences such as jamming, spoofing, information on indicators of compromise, adversarial tactics, techniques and procedures, near misses, vulnerabilities, threat-actor-specific information, and share cybersecurity alerts and recommendations for the configuration of cybersecurity tools allowing detection of cyberattacks, to the extent that such information sharing:

Or. en

Amendment 389
Sergey Lagodinsky

Proposal for a regulation
Article 95 – paragraph 3

Text proposed by the Commission

3. *Union* space operators shall notify competent authorities of their participation in the cybersecurity information-sharing arrangements referred to in paragraph 1, upon entry into, and exit from, such arrangements.

Amendment

3. Space operators shall notify competent authorities of their participation in the cybersecurity information-sharing arrangements referred to in paragraph 1, upon entry into, and exit from, such arrangements.

Or. en

Amendment 390
Sergey Lagodinsky

Proposal for a regulation
Article 96 – paragraph 2

Text proposed by the Commission

2. **Union** space operators, *except for those referred to in Article 10(4)*, shall calculate the EF of the space activities they carry out.

Amendment

2. Space operators shall calculate the EF of the space activities they carry out.

Or. en

Amendment 391
Sergey Lagodinsky

Proposal for a regulation
Article 96 – paragraph 3

Text proposed by the Commission

3. **Union** space operators shall by contract require their suppliers to provide all data needed by **Union** space operators to meet the obligation referred to in paragraph 2.

Amendment

3. Space operators shall by contract require their suppliers to provide all data needed by space operators to meet the obligation referred to in paragraph 2.

Or. en

Amendment 392
Sergey Lagodinsky

Proposal for a regulation
Article 96 – paragraph 7 – subparagraph 1 – point a

Text proposed by the Commission

(a) the name, the registered trade name or registered trademark of the **Union** space operators, their postal address and electronic means of communication;

Amendment

(a) the name, the registered trade name or registered trademark of the space operators, their postal address and electronic means of communication;

Or. en

Amendment 393
Sergey Lagodinsky

Proposal for a regulation
Article 96 – paragraph 7 – subparagraph 2

Text proposed by the Commission

The Commission is empowered *to* adopt implementing acts in accordance with the examination procedure referred to in Article 114(2), to lay down the templates and content for the information to be reported pursuant to the paragraph 6, first subparagraph.

Amendment

By 1 January 2028, the Commission is empowered *shall* adopt implementing acts in accordance with the examination procedure referred to in Article 114(2), to lay down the templates and content for the information to be reported pursuant to the paragraph 6, first subparagraph.

Or. en

Amendment 394
Sergey Lagodinsky

Proposal for a regulation
Article 96 – paragraph 8 – introductory part

Text proposed by the Commission

8. Until 31 December **2031** the following *Union* space operators shall be exempt from the obligations laid down in Articles 96, 97, 98, 99 and 100:

Amendment

8. Until 31 December **2030** the following space operators shall be exempt from the obligations laid down in Articles 96, 97, 98, 99 and 100:

Or. en

Amendment 395
Sergey Lagodinsky

Proposal for a regulation
Article 97 – paragraph 4

Text proposed by the Commission

4. The Commission *is empowered to* adopt implementing acts, in accordance with the examination procedure referred to in Article 114(2), to specify the method of calculation *and* verification of the EF of space activities, by taking into account scientifically sound assessment methods and the relevant international standards aligned with the Commission Recommendation (EU) 2021/2279¹⁸. Those implementing acts shall be reviewed

Amendment

4. **By 1 January 2028**, the Commission *shall* adopt implementing acts, in accordance with the examination procedure referred to in Article 114(2), to specify the method of calculation, verification, *and standardized reporting* of the EF *of space activities, including high-atmosphere emissions* of space activities, by taking into account scientifically sound assessment methods and the relevant international standards aligned with the

to take into account scientific and technological developments and adapt to technological progress.

^{18 (18)}Commission Recommendation (EU) 2021/2279 of 15 December 2021 on the use of the Environmental Footprint methods to measure and communicate the life cycle environmental performance of products and organisations (OJ L 471, 30.12.2021, p. 1, ELI: <http://data.europa.eu/eli/reco/2021/2279/oj>)

Commission Recommendation (EU) 2021/2279¹⁸. Those implementing acts shall be reviewed to take into account scientific and technological developments and adapt to technological progress.

^{18 (18)}Commission Recommendation (EU) 2021/2279 of 15 December 2021 on the use of the Environmental Footprint methods to measure and communicate the life cycle environmental performance of products and organisations (OJ L 471, 30.12.2021, p. 1, ELI: <http://data.europa.eu/eli/reco/2021/2279/oj>)

Or. en

Amendment 396
Sergey Lagodinsky

Proposal for a regulation
Article 97 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4 a. By 1 January 2030, the Commission shall assess the following:

a) the climate impacts of the space sector, including of CO₂ and non-CO₂ effects;

b) a trajectory to reduce those impacts aligned with the Union's climate neutrality objective set out in Regulation 2021/1119;

c) the options to reduce the environmental, health, and climate impacts of the propellants used by the space sector.

The Commission shall submit those assessments to the Council and the European Parliament and take follow-up measures, as appropriate. Such measures may include the establishment of EF maximum thresholds for the post-2030

period, notably to contribute to the achievement of Union's climate neutrality by 2050, as well as preparation of new propellant standards and financing programmes.

Or. en

Amendment 397
Sergey Lagodinsky

Proposal for a regulation
Article 99 – paragraph 3

Text proposed by the Commission

3. The Commission shall ensure the confidentiality of the data that is included in the disaggregated datasets.

Amendment

3. The Commission shall ensure the *security and* confidentiality of the data that is included in the *aggregated and* disaggregated datasets.

Or. en

Amendment 398
Sergey Lagodinsky

Proposal for a regulation
Article 99 – paragraph 4

Text proposed by the Commission

4. The aggregated datasets referred to in paragraph 1 shall be made publicly available by the Commission through the Union EF-related database.

Amendment

4. The aggregated *and disaggregated* datasets referred to in paragraph 1 shall be made publicly available by the Commission through the Union EF-related database.

Or. en

Amendment 399
Sergey Lagodinsky

Proposal for a regulation
Article 100 – paragraph 1

Text proposed by the Commission

1. The Commission shall make use of the **disaggregated** datasets referred to in Article 99, exclusively for the purposes of informing policymaking activities, of providing regulatory updates, and for the creation of derived datasets.

Amendment

1. The Commission shall make use of the datasets referred to in Article 99, exclusively for the purposes of informing policymaking activities, of providing regulatory updates, and for the creation of derived datasets.

Or. en

Amendment 400
Sergey Lagodinsky

Proposal for a regulation
Article 100 – paragraph 2

Text proposed by the Commission

2. **Union space operators, third country** space operators and international organisations shall retain full ownership of the data included in the aggregated and disaggregated datasets transmitted pursuant to Article 99.

Amendment

2. Space operators and international organisations shall retain full ownership of the data included in the aggregated and disaggregated datasets transmitted pursuant to Article 99.

Or. en

Amendment 401
Sergey Lagodinsky

Proposal for a regulation
Article 100 – paragraph 3

Text proposed by the Commission

3. **The Union shall acquire exclusive worldwide ownership of intellectual property rights related to the derived datasets which have been created on the basis of the disaggregated datasets referred to in paragraph 1.**

Amendment

deleted

Or. en

Amendment 402
Sergey Lagodinsky

Proposal for a regulation
Article 101 – paragraph 1

Text proposed by the Commission

1. **Union** space operators carrying out ISOS shall comply with the requirements laid down in this Article and Annex VIII from 1 January **2034**.

Amendment

1. Space operators carrying out ISOS shall comply with the requirements laid down in this Article and Annex VIII from 1 January **2032**.

Or. en

Amendment 403
Sergey Lagodinsky

Proposal for a regulation
Article 101 – paragraph 2

Text proposed by the Commission

2. **For** Union owned assets, **spacecraft above the mini-satellite class** that are operated by Union space operators shall possess a minimal technical capacity to receiving in-space services.

Amendment

2. Union owned assets that are operated by Union space operators shall possess a minimal technical capacity to receiving in-space services.

Or. en

Amendment 404
Sergey Lagodinsky

Proposal for a regulation
Article 101 – paragraph 3

Text proposed by the Commission

3. For the purposes of ensuring the minimal technical capacity referred to in paragraph 2, a client spacecraft operated by **Union** space operators shall be equipped with dedicated Spacecraft Service Interfaces (SSI).

Amendment

3. For the purposes of ensuring the minimal technical capacity referred to in paragraph 2, a client spacecraft operated by space operators shall be equipped with dedicated Spacecraft Service Interfaces (SSI).

Or. en

Amendment 405
Sergey Lagodinsky

Proposal for a regulation
Article 101 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4 a. These delegated acts must be adopted with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.

Or. en

Amendment 406
Sergey Lagodinsky

Proposal for a regulation
Article 101 – paragraph 5 – subparagraph 2

Text proposed by the Commission

Amendment

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2).

Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 114(2) **with the aim of ensuring adequate consultation of relevant stakeholders, and take into account existing international guidelines, best practices, and standards.**

Or. en

Amendment 407
Sergey Lagodinsky

Proposal for a regulation
Article 102 – paragraph 1

Text proposed by the Commission

Amendment

1. A competent authority may request the Union collision avoidance space

1. A competent authority may request the Union collision avoidance space

services provider referred to in Article 64(1) to provide it with up-to-date information about its spacecraft, in the context of the annual reporting or of specific investigations carried out on *Union* spacecraft operators.

services provider referred to in Article 64(1) to provide it with up-to-date information about its spacecraft, in the context of the annual reporting or of specific investigations carried out on spacecraft operators.

Or. en

Amendment 408
Sergey Lagodinsky

Proposal for a regulation
Article 102 – paragraph 2 – point a

Text proposed by the Commission

(a) the measures set-up by the *Union* spacecraft operator meet the requirements outlined in the space debris mitigation plans referred to in Article 70(2), first subparagraph, throughout all phases of the space mission;

Amendment

(a) the measures set-up by the spacecraft operator meet the requirements outlined in the space debris mitigation plans referred to in Article 70(2), first subparagraph, throughout all phases of the space mission;

Or. en

Amendment 409
Sergey Lagodinsky

Proposal for a regulation
Article 102 – paragraph 2 – point c

Text proposed by the Commission

(c) the *Union* spacecraft operator complies with the requirements laid down in Article 64(1), (2), (3) and (4), and, as applicable, in Article 101(3).

Amendment

(c) the spacecraft operator complies with the requirements laid down in Article 64(1), (2), (3) and (4), and, as applicable, in Article 101(3).

Or. en

Amendment 410
Sergey Lagodinsky

Proposal for a regulation
Article 103 – paragraph 2

Text proposed by the Commission

2. **Where both spacecraft are registered to the CA entity referred to in Article 64(1), Union** spacecraft operators shall seek to agree on a strategy to implement the CAM referred to in paragraph 1 under the coordination of that CA entity, within a reasonable period.

Amendment

2. Spacecraft operators shall seek to agree on a strategy to implement the CAM referred to in paragraph 1 under the coordination of that CA entity, within a reasonable period.

Or. en

Amendment 411
Sergey Lagodinsky

Proposal for a regulation
Article 104 – paragraph 3 – subparagraph 1 – point c

Text proposed by the Commission

(c) where **the Commission considers that** there is a need to address an urgent concern.

Amendment

(c) where there is **publicly available evidence of** a need to address an urgent concern.

Or. en

Amendment 412
Sergey Lagodinsky

Proposal for a regulation
Article 104 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 114(3).

Amendment

Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 114(3) **with the aim of ensuring adequate consultation of relevant stakeholders, and taking into account existing international guidelines, best practices, and standards.**

Or. en

Amendment 413
Sergey Lagodinsky

Proposal for a regulation
Title V

Text proposed by the Commission

Amendment

V ***EQUIVALENCE DECISIONS,
INTERNATIONAL AGREEMENTS
AND REGIMES FOR
INTERNATIONAL ORGANISATIONS***

INTERNATIONAL COOPERATION

Or. en

Amendment 414
Sergey Lagodinsky

Proposal for a regulation
Article 105

Text proposed by the Commission

Amendment

[...]

deleted

Or. en

Amendment 415
Sergey Lagodinsky

Proposal for a regulation
Article 106 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) facilitating *the mutual recognition
of rules on matters covered by this
Regulation*;

(a) facilitating *reciprocal market
access*;

Or. en

Amendment 416
Sergey Lagodinsky

Proposal for a regulation
Article 106 – paragraph 1 – point a a (new)

Text proposed by the Commission

Amendment

(a a) *facilitating the mutual recognition of rules on matters covered by this Regulation;*

Or. en

Amendment 417
Sergey Lagodinsky

Proposal for a regulation
Article 107 – paragraph 1 – subparagraph 1

Text proposed by the Commission

Amendment

The Commission may, by means of ***contribution*** agreements, entrust an international organisation with the implementation of tasks for the ***operation of Union owned-assets***.

The Commission may, by means of agreements, entrust an international organisation with the implementation of tasks for the ***implementation of this Regulation***.

Or. en

Amendment 418
Sergey Lagodinsky

Proposal for a regulation
Article 107 – paragraph 1 – subparagraph 2

Text proposed by the Commission

Amendment

Those ***contribution*** agreements shall set out the conditions and the practical and operational arrangements for the control of the ***application by that international organisation of the*** requirements laid down in ***Title IV***.

Those agreements shall set out the conditions and the practical and operational arrangements for the control of the requirements laid down in ***this Regulation***.

Or. en

Amendment 419
Sergey Lagodinsky

Proposal for a regulation
Article 107 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1 a. When international organisations act as a space operator providing services on the territory of the Union, they shall comply with the applicable rules set in article 14(4).

Or. en

Amendment 420
Sergey Lagodinsky

Proposal for a regulation
Article 107 – paragraph 1 b (new)

Text proposed by the Commission

Amendment

1 b. The provisions of this Regulation shall not apply to international organizations that have concluded an agreement with the Union insofar as that treaty covers the scope of this Regulation.

Or. en

Amendment 421
Sergey Lagodinsky

Proposal for a regulation
Article 107 – paragraph 3 – subparagraph 2

Text proposed by the Commission

Amendment

The agreement referred to in the first subparagraph shall set out the conditions and the practical and operational arrangements to ensure the control of the application by that international organisation of the requirements laid down in ***Title IV***, with due regard to its institutional framework.

The agreement referred to in the first subparagraph shall set out the conditions and the practical and operational arrangements to ensure the control of the application by that international organisation of the requirements laid down in ***this Regulation***, with due regard to its institutional framework.

Or. en

Amendment 422
Sergey Lagodinsky

Proposal for a regulation
Article 108

Text proposed by the Commission

Amendment

Article 108

deleted

Relations with the European Space Agency

1. The Union shall endeavour to conclude an agreement with the European Space Agency (ESA) to advance the objectives pursued by this Regulation and to strengthen the cooperation between the Union and ESA.

2. The agreement referred to in paragraph 1 shall set forth the conditions for the implementation by ESA of the requirements laid down in Title IV, and the practical and operational arrangements for ensuring the control of the application of such requirements, and in particular:

(a) where ESA is not the operator of the Union-owned assets, the arrangements needed for ESA to carry out the technical assessment allowing the Commission to assess the compliance of the Union space operator of Union-owned space assets, with the requirements laid down in the Regulation, with a view to issuing the authorisation and carrying out the ongoing supervision referred to in Article 11(1), first subparagraph;

(b) where Union-owned assets are either operated or owned by ESA, the needed arrangements and conditions for allowing the technical assessment activities and the tasks of authorisation and supervision;

(c) any support which may be provided by ESA regarding the technical specifications needed for standardisation, under the supervision of the Commission, while taking into account the existing international technical standards for space activities.

3.

ESA may provide support to Member States by carrying out technical assessments, pursuant to Article 8(1), point (b).

The agreement referred to in paragraph 1 shall set out the conditions for ESA to be recognised as a qualified technical body for space activities.

4. *Upon request by the Commission, ESA may attend as observer or member, any relevant advisory group of technical nature that may be established under this Regulation.*

Or. en

Amendment 423
Sergey Lagodinsky

Proposal for a regulation
Article 109 – paragraph 1 – point b a (new)

Text proposed by the Commission

Amendment

(b a) provide a single access point for all relevant support dedicated to small and medium-sized enterprises, educational and research institutions through the Space Sector Competitiveness Helpdesk referred in article 40.

Or. en

Amendment 424
Sergey Lagodinsky

Proposal for a regulation

Article 109 – paragraph 2 – subparagraph 1 – introductory part

Text proposed by the Commission

The Commission shall support capacity-building, as well as research and innovation activities, **by co-funding joint research and development projects** to enable industry uptake of technological solutions facilitating compliance with the requirements laid down in this Regulation in the following areas:

Amendment

The Commission shall support capacity-building, as well as research and innovation activities, to enable industry uptake of technological solutions facilitating compliance with the requirements laid down in this Regulation in the following areas:

Or. en

Amendment 425

Sergey Lagodinsky

Proposal for a regulation

Article 109 – paragraph 3

Text proposed by the Commission

- 3. The Commission shall fund:**
- (a) the development of standards for launcher neutralizers;**
 - (b) the provision of vouchers to support the participation of space operators to coaching programmes aimed at offsetting part of costs incurred with the implementation of the requirements laid down in Article 96(2).**

Amendment

deleted

Or. en

Amendment 426

Sergey Lagodinsky

Proposal for a regulation

Article 109 – paragraph 4

Text proposed by the Commission

- 4. The Commission shall facilitate access to the threat-led penetration testing**

Amendment

deleted

referred to in Article 88(3), first subparagraph, by mapping the availability of such testing services in the Union and by developing framework contracts to ensure fast and affordable access, notably for SMEs and small mid-caps.

Or. en

Amendment 427
Sergey Lagodinsky

Proposal for a regulation
Article 110 – paragraph 1

Text proposed by the Commission

1. *The Commission, with the support of* the Agency, shall set-up and manage an Information Portal in support of this Regulation ('Information Portal').

Amendment

1. The Agency shall set-up and manage an Information Portal in support of this Regulation ('Information Portal').

Or. en

Amendment 428
Sergey Lagodinsky

Proposal for a regulation
Article 110 – paragraph 2 – point c a (new)

Text proposed by the Commission

(c a) support the activities of the Support Helpdesk.

Amendment

Or. en

Amendment 429
Sergey Lagodinsky

Proposal for a regulation
Article 110 – paragraph 3 – subparagraph 2

Text proposed by the Commission

The Commission shall ensure the

Amendment

The Agency, with the support of the

interoperability of such helpdesk portals with the Information Portal.

Commission shall ensure the interoperability of such helpdesk portals with the Information Portal.

Or. en

Amendment 430
Sergey Lagodinsky

Proposal for a regulation
Article 111 – paragraph 1 – subparagraph 1

Text proposed by the Commission

The Commission shall develop a Union Space Label **Framework** to promote enhanced voluntary adherence to high standards of protection of space activities.

Amendment

The Commission shall develop a Union Space Label to promote enhanced voluntary adherence to high standards of protection **and sustainability** of space activities.

Or. en

Amendment 431
Sergey Lagodinsky

Proposal for a regulation
Article 111 – paragraph 1 – subparagraph 2

Text proposed by the Commission

The Union Space Label Framework shall be composed of Union Labelling schemes as referred to in paragraphs 2 and 3.

Amendment

deleted

Or. en

Amendment 432
Sergey Lagodinsky

Proposal for a regulation
Article 111 – paragraph 4 – subparagraph 2

Text proposed by the Commission

Those implementing acts shall be adopted in accordance with the examination

Amendment

Those implementing acts shall be adopted in accordance with the examination

procedure referred to in Article 114(2).

procedure referred to in Article 114(2),
*with the aim of ensuring adequate
consultation of relevant stakeholders, and
take into account existing international
guidelines, best practices, and standards.*

Or. en

Amendment 433
Sergey Lagodinsky

Proposal for a regulation
Article 112 – paragraph 4 a (new)

Text proposed by the Commission

Amendment

4 a. *The procurement of Union-owned
assets and services shall always require a
Union Space Label.*

Or. en

Amendment 434
Sergey Lagodinsky

Proposal for a regulation
Article 112 – paragraph 5 a (new)

Text proposed by the Commission

Amendment

5 a. *Contracting authorities and
contracting entities in the Union shall,
when establishing criteria for public
procurement procedures, use the Space
Label established in this Article as an
award criterion.*

Or. en

Amendment 435
Sergey Lagodinsky

Proposal for a regulation
Article 116 – paragraph 1

Text proposed by the Commission

1. By 1 December **2035**, and every five years thereafter, the Commission shall submit to the European Parliament and the Council a report on the evaluation of this Regulation, including an assessment of the environmental, economic and social impacts of space activities on other sectors, and shall submit, as appropriate, a report on its review, accompanied, where necessary, by a legislative proposal. The reports shall be made public.

Amendment

1. By 1 December **2033**, and every five years thereafter, the Commission shall submit to the European Parliament and the Council a report on the evaluation of this Regulation, including an assessment of the environmental, economic and social impacts of space activities on other sectors, and shall submit, as appropriate, a report on its review, accompanied, where necessary, by a legislative proposal. The reports shall be made public.

Or. en

Amendment 436
Sergey Lagodinsky

Proposal for a regulation
Article 118 – paragraph 2

Text proposed by the Commission

2. Competent authorities, *as regards Union space operators*, and the Agency, *as regards third country space operators*, shall ascertain the end of the critical design review stage referred to in paragraph 1 at the moment when the space operators submit the proof obtained from the relevant entity entrusted by contract with the technical approval of the design of the spacecraft.

Amendment

2. Competent authorities and the Agency shall ascertain the end of the critical design review stage referred to in paragraph 1 at the moment when the space operators submit the proof obtained from the relevant entity entrusted by contract with the technical approval of the design of the spacecraft.

Or. en

Amendment 437
Sergey Lagodinsky

Proposal for a regulation
Article 118 a (new)

Text proposed by the Commission

Amendment

Article 118a

Amendment to Directive (EU) 2022/2555

In Article 21(5) of Directive (EU) 2022/2555, the following subparagraph is added: “By [date], the Commission shall adopt implementing acts laying down the technical, methodological and sectoral standards necessary with regard to space operators as defined in [Article 5(17) of EU Space Act] that qualify as essential or important entities.”

Or. en

Amendment 438
Sergey Lagodinsky

Proposal for a regulation
Article 119 – paragraph 2

Text proposed by the Commission

It shall apply from 1 January **2030**.

Amendment

It shall apply ***as follows***:

(a) Articles 3, 20, 23, 24, 28, 107, and Chapter 2 Title III, from 1 January 2028;

(b) Article 8 and the remaining parts of Title III, Chapter I, with the exception of article 28, from 1 January 2029; and

(c) The remaining parts of the Regulation from 1 June 2029, but no earlier than 12 months from the adoption of the corresponding Implementing Acts.

Or. en

Amendment 439
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – introductory part

Text proposed by the Commission

Amendment

1. Safety at launch and re-entry

1. Safety at launch and re-entry

Or. en

Amendment 440
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – introductory part

Text proposed by the Commission

Amendment

1. Safety at launch and re-entry

1. Safety at launch and re-entry

Or. en

Amendment 441
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.1 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

Union launch operators shall implement the following coordination requirements:

Launch operators shall implement the following coordination requirements:

Or. en

Amendment 442
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.1 – paragraph 2 – point a – introductory part

Text proposed by the Commission

Amendment

(a) Before launch or re-entry, a **Union** launch operator shall enter into an agreement with:

(a) Before launch or re-entry, a launch operator shall enter into an agreement with:

Or. en

Amendment 443
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.1 – paragraph 2 – point c

Text proposed by the Commission

(c) The *Union* launch operators shall provide timely information to the Network Manager and the Air Navigation Service Providers in order assess the size of the airspace to be closed and the routes affected such as to safely and efficiently integrate the space launches into the European Air Traffic System.

Amendment

(c) The launch operators shall provide timely information to the Network Manager and the Air Navigation Service Providers in order assess the size of the airspace to be closed and the routes affected such as to safely and efficiently integrate the space launches into the European Air Traffic System.

Or. en

Amendment 444
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.3 – introductory part

Text proposed by the Commission

1.2.3. The method for calculating the LCOLA shall be developed by the Commission in accordance with Article 59(3), *point (a), considering the probability of the launcher to collide with an object of interest, which shall depend on the following:*

Amendment

1.2.3. The method for calculating the LCOLA shall be developed by the Commission in accordance with Article 59(3) *building up on existing practices, state of the art technology, and available standards, in consultation with relevant international organizations and stakeholders.*

Or. en

Amendment 445
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.3 – point a

Text proposed by the Commission

Amendment

(a) *whether the spacecraft is habitable;* **deleted**

Or. en

Amendment 446
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.3 – point b

Text proposed by the Commission

Amendment

(b) *the size of the object;* **deleted**

Or. en

Amendment 447
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.3 – point c

Text proposed by the Commission

Amendment

(c) *whether the spacecraft is active.* **deleted**

Or. en

Amendment 448
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.4

Text proposed by the Commission

Amendment

1.2.4. The **Union** launch operator shall assess and mitigate the risks related to collision in line with point 1.3, of Annex II.

1.2.4. The launch operator shall assess and mitigate the risks related to collision in line with point 1.3, of Annex II.

Or. en

Amendment 449
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.2 – point 1.2.5

Text proposed by the Commission

1.2.5. The *Union* launch operator shall define the launch closure window according to the LCOLA assessment.

Amendment

1.2.5. The launch operator shall define the launch closure window according to the LCOLA assessment.

Or. en

Amendment 450
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.3 – paragraph 2 – point a – introductory part

Text proposed by the Commission

(a) The calculation of the collective risk for casualties due to launch and re-entry shall be performed by using an approved method to be selected among existing methods by the Commission, in accordance with Article 59(3), point (b), or a new method to be developed by the Commission in accordance with Article 59(3), point (b), with due consideration for the following elements:

Amendment

(a) The calculation of the collective risk for casualties due to launch and re-entry shall be performed by using an approved method to be selected among existing methods by the Commission, in accordance with Article 59(3), point (b), or a new method to be developed by the Commission in accordance with Article 59(3), point (b), ***in consultation with relevant international organizations and stakeholders and*** with due consideration for the following elements:

Or. en

Amendment 451
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 1 – point 1.3 – paragraph 2 – point a – point vi a (new)

Text proposed by the Commission

Amendment

(vi a) existing practices, state of the art

technology, and available standards.

Or. en

Amendment 452
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 2 – point 2.1 – point 2.1.1

Text proposed by the Commission

2.1.1. In their risk assessments, **Union** space operators shall identify potential failure scenarios that could make the launch vehicle hazardous.

Amendment

2.1.1. In their risk assessments, space operators shall identify potential failure scenarios that could make the launch vehicle hazardous.

Or. en

Amendment 453
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 2 – point 2.1 – point 2.1.3

Text proposed by the Commission

2.1.3. In the risk assessments, **Union** launch operators shall set out specific rules for controlled or un-controlled re-entry. In the case of controlled re-entry, **Union** launch operators shall identify failure scenarios related to the propulsion object placed in orbit becoming a hazard, in particular in the case of failure to control the level or direction of thrust.

Amendment

2.1.3. In the risk assessments, launch operators shall set out specific rules for controlled or un-controlled re-entry. In the case of controlled re-entry, launch operators shall identify failure scenarios related to the propulsion object placed in orbit becoming a hazard, in particular in the case of failure to control the level or direction of thrust.

Or. en

Amendment 454
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 2 – point 2.2 – point 2.2.1 – point b

Text proposed by the Commission

Amendment

(b) For automatic systems, **Union** launch operators shall submit the detailed data and validation test results to the competent authority.

(b) For automatic systems, launch operators shall submit the detailed data and validation test results to the competent authority.

Or. en

Amendment 455
Sergey Lagodinsky

Proposal for a regulation
Annex I – point 3 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) the confirmation of coordination and agreement between the **Union** launch operator and the ANSP and maritime authorities in line with point 1.1, point (a), unless an agreement has already been entered between the **Union** launch site operator and the relevant authorities, in line with point 1.1, point (b), demonstrated by a written confirmation;

(a) the confirmation of coordination and agreement between the launch operator and the ANSP and maritime authorities in line with point 1.1, point (a), unless an agreement has already been entered between the launch site operator and the relevant authorities, in line with point 1.1, point (b), demonstrated by a written confirmation;

Or. en

Amendment 456
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 1 – point 1.1 – point 1.1.1 – point a

Text proposed by the Commission

Amendment

(a) ***For single-spacecraft launches, the total number of launch vehicle orbital stages and resulting debris objects shall not exceed one.***

deleted

Or. en

Amendment 457
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 1 – point 1.1 – point 1.1.1 – point b

Text proposed by the Commission

Amendment

(b) For multi-spacecraft launches, the total number shall not exceed two. *deleted*

Or. en

Amendment 458
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 1 – point 1.1 – point 1.1.2

Text proposed by the Commission

Amendment

1.1.2. The requirements referred to in point 1.1.1., (a) and (b), shall not apply to the pyrotechnic system and to the solid or hybrid propellants. *deleted*

Or. en

Amendment 459
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 1 – point 1.2 – point 1.2.1

Text proposed by the Commission

Amendment

1.2.1. The probability of accidental fragmentation due to internal causes shall be limited in the manner specified in the implementing act referred to in Article 61(3), point (c). *deleted*

Or. en

Amendment 460
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 2 – point 2.1 – paragraph 1

Text proposed by the Commission

Design coordination between the *Union* launch operator and spacecraft mission designer

Amendment

Design coordination between the launch operator and spacecraft mission designer

Or. en

Amendment 461
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 2 – point 2.1 – paragraph 2

Text proposed by the Commission

The *Union* launch operator shall collaborate with the mission designer of the spacecraft to be launched in the context of the respective space mission with a view to design the launch phase of the space mission in a way that facilitates the disposal of the launch vehicle upper stage and considers the specification of the final injection orbit.

Amendment

The launch operator shall collaborate with the mission designer of the spacecraft to be launched in the context of the respective space mission with a view to design the launch phase of the space mission in a way that facilitates the disposal of the launch vehicle upper stage and considers the specification of the final injection orbit.

Or. en

Amendment 462
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 2 – point 2.3 – paragraph 2

Text proposed by the Commission

The disposal of launch *vehicles in* MEO shall be *performed in an* orbit *that does not interfere with* protected regions *and valuable orbits* for a *limited amount of time, in line with point 1.1.1, point (d).*

Amendment

The disposal of launch *vehicle stages operating in or traversing* MEO shall be *achieved through a permanent manoeuvre to a stable graveyard orbit or via controlled atmospheric reentry. This disposal must ensure the absolute avoidance of* protected regions,

specifically GNSS constellations and other high-value trajectories for a duration of no less than 100 years. Furthermore, all such objects must undergo full passivation of residual energy sources to eliminate the risk of fragmentation during the disposal phase

Or. en

Amendment 463
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 2 – point 2.5 – point 2.5.4 – introductory part

Text proposed by the Commission

Amendment

2.5.4. **Union** launch operators shall carry out an identification of the systems and capabilities required for successful disposal actions, including:

2.5.4. Launch operators shall carry out an identification of the systems and capabilities required for successful disposal actions, including:

Or. en

Amendment 464
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 3 – point 3.1 – paragraph 1

Text proposed by the Commission

Amendment

Debris control **plan**

Debris control **section**

Or. en

Amendment 465
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 3 – point 3.1 – paragraph 2 – point a

Text proposed by the Commission

Amendment

(a) Evidence of compliance to the

(a) Evidence of compliance to the

restrictions on planned debris generation, *in line with point 1.1.1, point (a) or point 1.1.1, point (b), as applicable, and point 1.1.1, point (c), as well as with point 1.1.2*, including relevant results from testing and analysis.

restrictions on planned debris generation including relevant results from testing and analysis.

Or. en

Amendment 466
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 3 – point 3.2 – paragraph 1

Text proposed by the Commission

Amendment

End-of-life *mission disposal plan*

End-of-life *section*

Or. en

Amendment 467
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 3 – point 3.2 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

The *end-of-mission* disposal plan shall include at least the following:

The *end-of-life* disposal plan shall include at least the following:

Or. en

Amendment 468
Sergey Lagodinsky

Proposal for a regulation
Annex II – point 3 – point 3.2 – paragraph 2 – point b

Text proposed by the Commission

Amendment

(b) The confirmation regarding the collaboration between the *Union* launch operator and the spacecraft mission designer, in line with point 2.1, including

(b) The confirmation regarding the collaboration between the launch operator and the spacecraft mission designer, in line with point 2.1, including the specification

the specification of the final injection orbit.

of the final injection orbit.

Or. en

Amendment 469
Sergey Lagodinsky

Proposal for a regulation
Annex III – subheading 1

Text proposed by the Commission

Amendment

TRACKING AND SOFTWARE
REFERRED TO IN ARTICLE 63

TRACKING REFERRED TO IN
ARTICLE 63

Or. en

Amendment 470
Sergey Lagodinsky

Proposal for a regulation
Annex III – point 1 – paragraph 2 – point 1.1

Text proposed by the Commission

Amendment

1.1. *Union* spacecraft operators shall either have themselves the technical means, or shall rely on external sources, to transmit the position of the spacecraft to the entity providing the Collision Avoidance service referred to in Article 64(1).

1.1. Spacecraft operators shall either have themselves the technical means, or shall rely on external sources, to transmit the position of the spacecraft to the entity providing the Collision Avoidance service referred to in Article 64(1).

Or. en

Amendment 471
Sergey Lagodinsky

Proposal for a regulation
Annex III – point 1 – paragraph 2 – point 1.5

Text proposed by the Commission

Amendment

1.5. As soon as possible after injection, *Union* spacecraft operators shall share with the relevant entity providing the Collision

1.5. As soon as possible after injection, Spacecraft operators shall share with the relevant entity providing the Collision

Avoidance service referred to in Article 64(1) the necessary up-to-date information to monitor the risks of collision with the catalogued space objects that the respective space spacecraft object may encounter.

Avoidance service referred to in Article 64(1) the necessary up-to-date information to monitor the risks of collision with the catalogued space objects that the respective space spacecraft object may encounter.

Or. en

Amendment 472
Sergey Lagodinsky

Proposal for a regulation
Annex III – point 1 – paragraph 2 – point 1.6 – point a

Text proposed by the Commission

Amendment

(a) ephemeris, from the *Union* spacecraft operator's own orbit restitution means, or from the space monitoring systems;

(a) ephemeris, from the spacecraft operator's own orbit restitution means, or from the space monitoring systems;

Or. en

Amendment 473
Sergey Lagodinsky

Proposal for a regulation
Annex III – point 2 – introductory part

Text proposed by the Commission

Amendment

2. Ground-based segment *software* requirements

2. Ground-based segment requirements

Or. en

Amendment 474
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 1 – paragraph 1

Text proposed by the Commission

Amendment

Requirements for the choice of the collision avoidance (CA) space service

deleted

provider referred to in Article 15(1), first subparagraph, point (a)(i).

Or. en

Amendment 475
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 1 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

Third country space operators shall ensure that the CA space service provider they subscribe to, *pursuant to Article 15(1), first subparagraph, point (a)(i)*, complies with the following requirements:

Space operators shall ensure that the CA space service provider they subscribe to complies with the following requirements:

Or. en

Amendment 476
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – introductory part

Text proposed by the Commission

Amendment

2. Requirements for *Union* spacecraft operators

2. Requirements for spacecraft operators

Or. en

Amendment 477
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.1

Text proposed by the Commission

Amendment

2.1. In the case of manoeuvrable spacecraft, *Union* spacecraft operators shall be able to perform CA manoeuvres.

2.1. In the case of manoeuvrable spacecraft, spacecraft operators shall be able to perform CA manoeuvres.

Or. en

Amendment 478
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.2

Text proposed by the Commission

2.2. In the case of non-maneuvrable spacecraft, **Union** spacecraft operators shall cooperate with the Union CA space services provider referred to in Article 64(1) under best efforts.

Amendment

2.2. In the case of non-maneuvrable spacecraft, spacecraft operators shall cooperate with the Union CA space services provider referred to in Article 64(1) under best efforts.

Or. en

Amendment 479
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.3 – introductory part

Text proposed by the Commission

2.3. **Union** spacecraft operators shall provide to the Union CA space services provider referred to in Article 64(1) information about its operational orbit(s), in the form of predicted positional and velocities time histories that incorporate all planned manoeuvres, including realistic covariances:

Amendment

2.3. Spacecraft operators shall provide to the Union CA space services provider referred to in Article 64(1) information about its operational orbit(s), in the form of predicted positional and velocities time histories that incorporate all planned manoeuvres, including realistic covariances:

Or. en

Amendment 480
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.4 – introductory part

Text proposed by the Commission

2.4. The **Union** spacecraft operator shall notify the Union CA space services

Amendment

2.4. The spacecraft operator shall notify the Union CA space services provider

provider referred to in Article 64(1) about:

referred to in Article 64(1) about:

Or. en

Amendment 481
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.5 – introductory part

Text proposed by the Commission

Amendment

2.5. The *Union* spacecraft operator in charge of a manoeuvrable spacecraft shall provide a contact point available to respond:

2.5. The spacecraft operator in charge of a manoeuvrable spacecraft shall provide a contact point available to respond:

Or. en

Amendment 482
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.6

Text proposed by the Commission

Amendment

2.6. The *Union* spacecraft operator shall provide the Union CA space services provider referred to in Article 64(1) with the radius of the sphere englobing its spacecraft, or an upper-bound estimation.

2.6. The spacecraft operator shall provide the Union CA space services provider referred to in Article 64(1) with the radius of the sphere englobing its spacecraft, or an upper-bound estimation.

Or. en

Amendment 483
Sergey Lagodinsky

Proposal for a regulation
Annex IV – point 2 – point 2.7 – introductory part

Text proposed by the Commission

Amendment

2.7. *Union* spacecraft operators and the Union CA space services provider referred to in Article 64(1) shall define at the time

2.7. Spacecraft operators and the Union CA space services provider referred to in Article 64(1) shall define at the time of

of spacecraft service registration:

spacecraft service registration:

Or. en

Amendment 484
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 1 – point 1.1 – paragraph 2 – point c

Text proposed by the Commission

Amendment

(c) **Union** spacecraft operators shall put in place measures for the design of pyrotechnic devices and solid rocket motors in line with the requirements laid down in the implementing act referred to in Article 70(3), point (a).

(c) Spacecraft operators shall put in place measures for the design of pyrotechnic devices and solid rocket motors in line with the requirements laid down in the implementing act referred to in Article 70(3), point (a).

Or. en

Amendment 485
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 1 – point 1.2 – point 1.2.1 – paragraph 1 – point e – point iii

Text proposed by the Commission

Amendment

(iii) **Union** spacecraft operators shall, before the end of life of the spacecraft, update the passivation procedures to check if the passivation capabilities of the spacecraft are still nominal.

(iii) Spacecraft operators shall, before the end of life of the spacecraft, update the passivation procedures to check if the passivation capabilities of the spacecraft are still nominal.

Or. en

Amendment 486
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 1 – point 1.2 – point 1.2.1 – paragraph 1 – point e – point v – introductory part

Text proposed by the Commission

(v) **Union** spacecraft operators shall deplete energy reserve in either of the following ways:

Amendment

(v) Spacecraft operators shall deplete energy reserve in either of the following ways:

Or. en

Amendment 487
Sergey Lagodinsky

Proposal for a regulation

Annex V – point 1 – point 1.2 – point 1.2.1 – paragraph 1 – point e – point 1

Text proposed by the Commission

(1) through hard passivation, whereby a **Union** spacecraft operator shall put in place controls with parameters set to a level which cannot cause an explosion or deflagration large enough to release orbital debris or fragmentation of the spacecraft;

Amendment

(1) through hard passivation, whereby a spacecraft operator shall put in place controls with parameters set to a level which cannot cause an explosion or deflagration large enough to release orbital debris or fragmentation of the spacecraft;

Or. en

Amendment 488
Sergey Lagodinsky

Proposal for a regulation

Annex V – point 1 – point 1.2 – point 1.2.1 – paragraph 1 – point e – point vi

Text proposed by the Commission

(vi) **Union** spacecraft operators shall deactivate the parts of the spacecraft that produce energy.

Amendment

(vi) Spacecraft operators shall deactivate the parts of the spacecraft that produce energy.

Or. en

Amendment 489
Sergey Lagodinsky

Proposal for a regulation

Annex V – point 2 – point 2.2 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

Union spacecraft operators shall implement a quality management system.

Spacecraft operators shall implement a quality management system.

Or. en

Amendment 490
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 2 – point 2.2 – paragraph 2 – point 2.2.1 – paragraph 1

Text proposed by the Commission

Amendment

Union spacecraft operators shall implement a quality management system.

Spacecraft operators shall implement a quality management system.

Or. en

Amendment 491
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.1 – point 3.1.1

Text proposed by the Commission

Amendment

3.1.1. **Union** spacecraft operators shall calculate and adhere to assigned limits on the probability of successful disposal.

3.1.1. Spacecraft operators shall calculate and adhere to assigned limits on the probability of successful disposal.

Or. en

Amendment 492
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.1 – point 3.1.3 – introductory part

Text proposed by the Commission

Amendment

3.1.3. At the design phase, the calculation by **Union** spacecraft operators of the probability of successful disposal shall be based on recognised method, based on state

3.1.3. At the design phase, the calculation by spacecraft operators of the probability of successful disposal shall be based on recognised method, based on state of the

of the art, set out in the implementing act referred to in Article 70(3), point (c), and shall include:

art, set out in the implementing act referred to in Article 70(3), point (c), and shall include:

Or. en

Amendment 493
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.1 – point 3.1.5 – point b

Text proposed by the Commission

Amendment

(b) Before disposal, the *Union* spacecraft operator shall check that it has to the necessary propellant to perform the disposal.

(b) Before disposal, the spacecraft operator shall check that it has to the necessary propellant to perform the disposal.

Or. en

Amendment 494
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.2 – point 3.2.5

Text proposed by the Commission

Amendment

3.2.5. *Union* spacecraft operators shall be able to maintain communication links and active tracking during disposal phase.

3.2.5. Spacecraft operators shall be able to maintain communication links and active tracking during disposal phase.

Or. en

Amendment 495
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.4 – point 3.4.1 – introductory part

Text proposed by the Commission

Amendment

3.4.1. The *Union* spacecraft operator of spacecraft in LEO shall disclose the expected time in orbit following:

3.4.1. The spacecraft operator of spacecraft in LEO shall disclose the expected time in orbit following:

Amendment 496
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.5 – point 3.5.1

Text proposed by the Commission

3.5.1. For spacecraft being disposed in accordance with the rules laid down in Part 3.4, **Union** spacecraft operators shall consider design for demise as one of the steps to minimise the casualty risk.

Amendment

3.5.1. For spacecraft being disposed in accordance with the rules laid down in Part 3.4, spacecraft operators shall consider design for demise as one of the steps to minimise the casualty risk.

Or. en

Amendment 497
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.5 – point 3.5.2

Text proposed by the Commission

3.5.2. **Union** spacecraft operators shall demonstrate that there is no risk of on-orbit collision with crewed stations following three days after the de-orbiting and return to Earth manoeuvres.

Amendment

3.5.2. Spacecraft operators shall demonstrate that there is no risk of on-orbit collision with crewed stations following three days after the de-orbiting and return to Earth manoeuvres.

Or. en

Amendment 498
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.5 – point 3.5.3

Text proposed by the Commission

3.5.3. **Union** spacecraft operators shall carry out an assessment as to whether parts of the spacecraft will survive atmospheric re-entry and impact the surface of the Earth

Amendment

3.5.3. Spacecraft operators shall carry out an assessment as to whether parts of the spacecraft will survive atmospheric re-entry and impact the surface of the Earth

and shall set out the measures to be taken to reduce the casualty risk, in line with point 3.5.4.

and shall set out the measures to be taken to reduce the casualty risk, in line with point 3.5.4.

Or. en

Amendment 499
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.5 – point 3.5.4 – point d

Text proposed by the Commission

Amendment

(d) in the case of premature or accidental re-entry, *Union* spacecraft operators shall, as a matter of priority, implement all measures to reduce the risk to the ground.

(d) in the case of premature or accidental re-entry, spacecraft operators shall, as a matter of priority, implement all measures to reduce the risk to the ground.

Or. en

Amendment 500
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.5 – point 3.5.8 – introductory part

Text proposed by the Commission

Amendment

3.5.8. For a spacecraft that survives a planned re-entry and is of a size determined in accordance with the implementing act referred to in Article 70(3), point (c)(iii), *Union* spacecraft operators shall register to a re-entry service, able to:

3.5.8. For a spacecraft that survives a planned re-entry and is of a size determined in accordance with the implementing act referred to in Article 70(3), point (c)(iii), spacecraft operators shall register to a re-entry service, able to:

Or. en

Amendment 501
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.8 – point 3.8.1

Text proposed by the Commission

Amendment

3.8.1. The **Union** spacecraft operator shall draw up a failure response plan in line with point 4.3.

3.8.1. The spacecraft operator shall draw up a failure response plan in line with point 4.3.

Or. en

Amendment 502
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 3 – point 3.8 – point 3.8.2

Text proposed by the Commission

Amendment

3.8.2. The **Union** spacecraft operator shall implement the failure response if a critical system for the disposal process fails.

3.8.2. The spacecraft operator shall implement the failure response if a critical system for the disposal process fails.

Or. en

Amendment 503
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.1 – introductory part

Text proposed by the Commission

Amendment

4.1. Debris control **plan**

4.1. Debris control **section**

Or. en

Amendment 504
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.1 – point 4.1.1 – introductory part

Text proposed by the Commission

Amendment

4.1.1. A fragmentation prevention **plan** shall be developed by considering each item containing stored energy. When developing such **plans**, **Union** spacecraft

4.1.1. A fragmentation prevention **section** shall be developed by considering each item containing stored energy. When developing such **sections**, spacecraft

operators shall have due regard to systems that are most likely to cause accidental fragmentation of a spacecraft, such as notably:

operators shall have due regard to systems that are most likely to cause accidental fragmentation of a spacecraft, such as notably:

Or. en

Amendment 505
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.1 – point 4.1.3 – introductory part

Text proposed by the Commission

Amendment

4.1.3. The debris control *plan* shall list at least the following:

4.1.3. The debris control *section* shall list at least the following:

Or. en

Amendment 506
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.2 – paragraph 1

Text proposed by the Commission

Amendment

End of life disposal *plan*

End of life disposal *section*

Or. en

Amendment 507
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.2 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

The end of life disposal *plan* shall contain at least the following:

The end of life disposal *section* shall contain at least the following:

Or. en

Amendment 508
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.2 – paragraph 2 – point b

Text proposed by the Commission

(b) for *Union* spacecraft operators in LEO, a description of the selected disposal method, in line with the options laid down in point 3.3, point 3.4 and point 3.5.

Amendment

(b) for spacecraft operators in LEO, a description of the selected disposal method, in line with the options laid down in point 3.3, point 3.4 and point 3.5.

Or. en

Amendment 509
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.2 – paragraph 2 – point c

Text proposed by the Commission

(c) for *Union* spacecraft operators in MEO, a description of the adherence to the requirements laid down in point 3.6.

Amendment

(c) for spacecraft operators in MEO, a description of the adherence to the requirements laid down in point 3.6.

Or. en

Amendment 510
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.2 – paragraph 2 – point d

Text proposed by the Commission

(d) for *Union* spacecraft operators in GEO, a description of the adherence to the requirements laid down in point 3.7.

Amendment

(d) for spacecraft operators in GEO, a description of the adherence to the requirements laid down in point 3.7.

Or. en

Amendment 511
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.3 – paragraph 1

Text proposed by the Commission

Amendment

Failure response *plan*

Failure response *section*

Or. en

Amendment 512
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.3 – paragraph 2 – introductory part

Text proposed by the Commission

Amendment

The *Union* spacecraft operator shall develop a failure response *plan* that shall include at least the following elements:

The spacecraft operator shall develop a failure response *section* that shall include at least the following elements:

Or. en

Amendment 513
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.3 – paragraph 2 – point c

Text proposed by the Commission

Amendment

(c) for *Union* spacecraft operators in MEO and GEO, steps to remove spacecraft to an alternative orbit, and passivate it before any further critical systems are lost;

(c) for spacecraft operators in MEO and GEO, steps to remove spacecraft to an alternative orbit, and passivate it before any further critical systems are lost;

Or. en

Amendment 514
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.3 – paragraph 2 – point f – introductory part

Text proposed by the Commission

Amendment

(f) a removal *plan* that assesses the

(f) a removal *section* that assesses the

possibility of removal to be carried out by an ISOS service provider, including:

possibility of removal to be carried out by an ISOS service provider, including:

Or. en

Amendment 515
Sergey Lagodinsky

Proposal for a regulation
Annex V – point 4 – point 4.3 – paragraph 2 – point f – point iii

Text proposed by the Commission

Amendment

(iii) if the removal **plan** is not successful, or if it excludes the use of ISOS providers in mitigating risks and leaves the spacecraft in a protected orbit without manoeuvrability, spacecraft operators shall include the dedicated spacecraft service interfaces (SSI) referred to in Article 101(3), in future spacecraft as part of the authorisation requirements.

(iii) if the removal **section** is not successful, or if it excludes the use of ISOS providers in mitigating risks and leaves the spacecraft in a protected orbit without manoeuvrability, spacecraft operators shall include the dedicated spacecraft service interfaces (SSI) referred to in Article 101(3), in future spacecraft as part of the authorisation requirements.

Or. en

Amendment 516
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 1 – point 1.1

Text proposed by the Commission

Amendment

1.1. For constellations, mega-constellations **and giga-constellations**, the debris control **plans** referred to in Article 70(2), point (a), shall, with a view to address the collision risk during orbital lifetime, include a report on intra constellation collision risks, listing the measures taken for mitigating that risk.

1.1. For constellations **and** mega-constellations, the debris control **plan** referred to in Article 70(2), point (a), shall, with a view to address the collision risk during orbital lifetime, include a report on intra constellation collision risks, listing the measures taken for mitigating that risk.

Or. en

Amendment 517
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 1 – point 1.2 – introductory part

Text proposed by the Commission

1.2. For mega-constellations **and giga-constellations** the following shall apply:

Amendment

1.2. For mega-constellations the following shall apply:

Or. en

Amendment 518
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 1 – point 1.2 – point b

Text proposed by the Commission

(b) **Union** spacecraft operators shall consider orbits that minimise the intra-constellation collision risk, including in cases of in-orbit failure, Launch and Early Operations (LEOP) and disposal;

Amendment

(b) Spacecraft operators shall consider orbits that minimise the intra-constellation collision risk, including in cases of in-orbit failure, Launch and Early Operations (LEOP) and disposal;

Or. en

Amendment 519
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 1 – point 1.2 – point c

Text proposed by the Commission

(c) during the disposal phase and after the end-of-life, **Union** spacecraft operators shall analyse the risk of intra-constellation collisions and keep it at the lowest level possible, to be specified in the implementing act referred to in Article 73(4), point (a).

Amendment

(c) during the disposal phase and after the end-of-life, spacecraft operators shall analyse the risk of intra-constellation collisions and keep it at the lowest level possible, to be specified in the implementing act referred to in Article 73(4), point (a).

Or. en

Amendment 520
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 2 – point 2.1

Text proposed by the Commission

2.1. For constellations, mega-constellations **and giga-constellations**, **Union** spacecraft operators shall take specific measures to ensure limitation of light and radio pollution to be specified in the implementing act referred to in Article 73(4), point (b), first subparagraph;

Amendment

2.1. For constellations **and** mega-constellations, spacecraft operators shall take specific measures to ensure limitation of light and radio pollution to be specified in the implementing act referred to in Article 73(4), point (b), first subparagraph;

Or. en

Amendment 521
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 2 – point 2.2 – introductory part

Text proposed by the Commission

2.2. For mega-constellations **and giga-constellations that** following shall apply:

Amendment

2.2. For mega-constellations **the** following shall apply:

Or. en

Amendment 522
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 2 – point 2.2 – point a

Text proposed by the Commission

(a) the debris control **plan** referred to in Article 70(2), point (a), shall include an analysis that demonstrate that specific care has been taken to avoid collision with the international space stations for any phase of the space mission;

Amendment

(a) the debris control **section** referred to in Article 70(2), point (a), shall include an analysis that demonstrate that specific care has been taken to avoid collision with the international space stations for any phase of the space mission;

Or. en

Amendment 523
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 2 – point 2.2 – point c

Text proposed by the Commission

(c) **Union** spacecraft operators shall, after one year of operation, demonstrate the effectiveness of measures taken to address the light and radio pollution which have been explained in their application for authorisation. If such measures are not effective, **Union** spacecraft operators shall initiate the development of technical solutions through research to diminish the measured pollution for their next generation spacecraft in the respective constellation;

Amendment

(c) spacecraft operators shall, after one year of operation, demonstrate the effectiveness of measures taken to address the light and radio pollution which have been explained in their application for authorisation. If such measures are not effective, spacecraft operators shall initiate the development of technical solutions through research to diminish the measured pollution for their next generation spacecraft in the respective constellation;

Or. en

Amendment 524
Sergey Lagodinsky

Proposal for a regulation
Annex VI – point 2 – point 2.2 – point d – introductory part

Text proposed by the Commission

(d) **Union** spacecraft operators shall in case of transit from the injection orbit to the final orbit:

Amendment

(d) spacecraft operators shall in case of transit from the injection orbit to the final orbit:

Or. en

Amendment 525
Sergey Lagodinsky

Proposal for a regulation
Annex VII

Text proposed by the Commission

Amendment

[...]

deleted

Or. en

Amendment 526
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 1 – point 1.1 – point b

Text proposed by the Commission

Amendment

(b) The *Union* ISOS provider and the *Union* space operator of the client object shall conclude a dedicated ISOS-related contract.

(b) The ISOS provider and the space operator of the client object shall conclude a dedicated ISOS-related contract.

Or. en

Amendment 527
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 1 – point 1.1 – point c

Text proposed by the Commission

Amendment

(c) Any ISOS shall be carried out only after the *Union* ISOS provider and the *Union* space operator of a client object have explicitly and unequivocally consented to start carrying out the agreed operation or set of operations, as applicable.

(c) Any ISOS shall be carried out only after the ISOS provider and the space operator of a client object have explicitly and unequivocally consented to start carrying out the agreed operation or set of operations, as applicable.

Or. en

Amendment 528
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 1 – point 1.2 – point b

Text proposed by the Commission

(b) Except where the client object is space debris, the **Union** ISOS provider and the **Union** space operator of a client object shall identify, for each phase in the carrying out of ISOS, the control centre with decision-making authority for joint operations in the area of proximity, including during the attach phase, as well as the control centre which controls the composite object in the attached phase.

Amendment

(b) Except where the client object is space debris, the ISOS provider and the space operator of a client object shall identify, for each phase in the carrying out of ISOS, the control centre with decision-making authority for joint operations in the area of proximity, including during the attach phase, as well as the control centre which controls the composite object in the attached phase.

Or. en

Amendment 529
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.2 – point 2.2.1 – introductory part

Text proposed by the Commission

2.2.1. **Union** ISOS providers shall take all appropriate measures to prevent:

Amendment

2.2.1. ISOS providers shall take all appropriate measures to prevent:

Or. en

Amendment 530
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.2 – point 2.2.2

Text proposed by the Commission

2.2.2. The **Union** ISOS provider shall define in the operational concept a safe zone where presence of a third party will lead to non-engagement or withdrawal of the ongoing ISOS operation.

Amendment

2.2.2. The ISOS provider shall define in the operational concept a safe zone where presence of a third party will lead to non-engagement or withdrawal of the ongoing ISOS operation.

Or. en

Amendment 531
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.2 – point 2.2.3

Text proposed by the Commission

2.2.3. Where anomalies occur, or where unforeseen events, including those caused by the carrying out of ISOS, lead to potential adverse impact on third party space objects, the *Union* ISOS provider shall immediately notify the space operator of the third-party space object impacted.

Amendment

2.2.3. Where anomalies occur, or where unforeseen events, including those caused by the carrying out of ISOS, lead to potential adverse impact on third party space objects, the ISOS provider shall immediately notify the space operator of the third-party space object impacted.

Or. en

Amendment 532
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.2 – point 2.2.4

Text proposed by the Commission

2.2.4. The *Union* ISOS provider shall closely cooperate with CA service provider referred to in Article 63, including in the service operation phase.

Amendment

2.2.4. The ISOS provider shall closely cooperate with CA service provider referred to in Article 63, including in the service operation phase.

Or. en

Amendment 533
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.3 – point a

Text proposed by the Commission

(a) For the purposes of the approach phase, and with a view to initiate the separation, the *Union* ISOS provider shall set out, in the operational concept, standby or transit points.

Amendment

(a) For the purposes of the approach phase, and with a view to initiate the separation, the ISOS provider shall set out, in the operational concept, standby or transit points.

Amendment 534
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.3 – point b

Text proposed by the Commission

(b) During the service operation the **Union** ISOS providers shall conduct a GO/NO-GO testing at every appropriate timing/sequence and shall only continue the service operation when the GO condition is met. When the GO conditions are not met, a cancel command shall be triggered either autonomously or by a command sent from the ground segment.

Amendment

(b) During the service operation the ISOS providers shall conduct a GO/NO-GO testing at every appropriate timing/sequence and shall only continue the service operation when the GO condition is met. When the GO conditions are not met, a cancel command shall be triggered either autonomously or by a command sent from the ground segment.

Or. en

Amendment 535
Sergey Lagodinsky

Proposal for a regulation
Annex VIII – point 2 – point 2.4 – paragraph 2

Text proposed by the Commission

Except for non-reversible ISOS operations, **Union** ISOS providers shall, for the purposes of ascertaining the proper system functioning for the planned ISOS, carry out tests in orbit at least before engaging in the first service operation or in the first step and only if no danger is posed to any other space object.

Amendment

Except for non-reversible ISOS operations, ISOS providers shall, for the purposes of ascertaining the proper system functioning for the planned ISOS, carry out tests in orbit at least before engaging in the first service operation or in the first step and only if no danger is posed to any other space object.

Or. en

Amendment 536
Sergey Lagodinsky

Proposal for a regulation
Annex IX – point 1 – point 1.3

Text proposed by the Commission

1.3. A body belonging to a business association or professional federation that represents undertakings which are involved in the design, development, production, provision, assembly, use, maintenance, testing, or operation of a product which a technical body assesses, or respectively undertakings which are involved in the use or operation of a service, activity or process that such technical body certifies, may only be considered as a qualified technical body for space activities, under this Regulation, if such body *meets the requirements of independence and absence of conflict* of interest.

Amendment

1.3. A body belonging to a business association or professional federation that represents undertakings which are involved in the design, development, production, provision, assembly, use, maintenance, testing, or operation of a product which a technical body assesses, or respectively undertakings which are involved in the use or operation of a service, activity or process that such technical body certifies, may only be considered as a qualified technical body for space activities, under this Regulation, if such body *has the capacity to act independentl and avoid conflicts* of interest.

Or. en

Amendment 537
Sergey Lagodinsky

Proposal for a regulation
Annex IX – point 1 – point 1.4 – paragraph 1

Text proposed by the Commission

A qualified technical body for space activities shall be *organised and managed in a way that safeguards the independence, objectivity and the impartiality* in carrying out its activities.

Amendment

A qualified technical body for space activities shall be *fully independent, objective, and impartial* in carrying out its activities.

Or. en

Amendment 538
Sergey Lagodinsky

Proposal for a regulation
Annex X

Text proposed by the Commission

[...]

Amendment

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