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Committee on Industry, Research and Energy

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AMENDMENTS

37 - 111

Draft report
Amelia Andersdotter
(PE521.718v02-00)

on the proposal for a decision of the European Parliament and of the Council
establishing a space surveillance and tracking support programme

Proposal for a decision
(COM(2013)0107 – C7-0061/2013 – 2013/0064(COD))

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Amendment 37
Jean-Pierre Audy

Proposal for a decision
Recital 5

Text proposed by the Commission

(5) Space debris has become ***the most*** serious threat to the sustainability of space activities. A space surveillance and tracking (hereinafter referred to as 'SST') support programme should therefore be established with the aim to support the setting up and operation of services consisting of monitoring and surveying space objects with a view to preventing damage to spacecraft resulting from collisions, ***as well as to prevent damage to ground infrastructure or human population as a result of uncontrolled re-entries of entire spacecraft or space debris thereof into the Earth's atmosphere.***

Amendment

(5) Space debris has become a serious threat to the sustainability of space activities. A space surveillance and tracking (hereinafter referred to as 'SST') support programme should therefore be established with the aim to support the setting up and operation of services consisting of monitoring and surveying space objects with a view to preventing damage to spacecraft resulting from collisions. ***The proliferation of space debris also has an impact on the incidence of hazardous uncontrolled re-entries of space objects. An SST service should therefore be set up so as to forecast trajectories and re-entry paths in order to provide governments and civil protection services with useful information.***

Or. fr

Amendment 38
Vittorio Prodi

Proposal for a decision
Recital 5

Text proposed by the Commission

(5) Space debris has become the most serious threat to the sustainability of space activities. A space surveillance and tracking (hereinafter referred to as 'SST') support programme should therefore be established with the aim to support the setting up and operation of services consisting of monitoring and surveying

Amendment

(5) Space debris has become the most serious threat to the sustainability of space activities, ***the availability of prime orbital slots and frequency spectrums, and windows of opportunity for the launch of spacecraft.*** A space surveillance and tracking (hereinafter referred to as 'SST') support programme should therefore be

space objects with a view to preventing damage to spacecraft resulting from collisions, as well as to prevent damage to ground infrastructure or human population as a result of uncontrolled re-entries of entire spacecraft or space debris thereof into the Earth's atmosphere.

established with the aim to support the setting up and operation of services consisting of monitoring and surveying space objects with a view to preventing damage to spacecraft resulting from collisions, as well as to prevent damage to ground infrastructure or human population as a result of uncontrolled re-entries of entire spacecraft or space debris thereof into the Earth's atmosphere.

Or. en

Amendment 39
Vittorio Prodi

Proposal for a decision
Recital 6

Text proposed by the Commission

(6) The provision of SST services will benefit all public and private operators of space-based infrastructures, including the Union in view of its responsibilities for its EU space programmes – European Geostationary Navigation Overlay Service (EGNOS) and Galileo being implemented by Regulation (EC) No 683/2008 of the European Parliament and of the Council of 9 July 2008 on the further implementation of the European satellite navigation programmes (EGNOS and Galileo)¹² and Copernicus/GMES established by Regulation (EU) No 911/2010 Of the European Parliament and of the Council of 22 September 2010 on the European Earth monitoring programme (GMES) and its initial operations (2011 to 2013)¹³. Re-entry warnings will also benefit national public authorities concerned with civil protection.

Amendment

(6) The provision of SST services will benefit all public and private operators of space-based infrastructures, including the Union in view of its responsibilities for its EU space programmes – European Geostationary Navigation Overlay Service (EGNOS) and Galileo being implemented by Regulation (EC) No 683/2008 of the European Parliament and of the Council of 9 July 2008 on the further implementation of the European satellite navigation programmes (EGNOS and Galileo)¹² and Copernicus/GMES established by Regulation (EU) No 911/2010 Of the European Parliament and of the Council of 22 September 2010 on the European Earth monitoring programme (GMES) and its initial operations (2011 to 2013)¹³. Re-entry warnings will also benefit national public authorities concerned with civil protection. ***Moreover these services will aid private insurers to estimate potential liabilities resulting from collision during the life of a satellite.***

¹² OJ L 196, 27.4.2008, p.1.

¹³ OJ L 276, 20.10.2010, p. 1.

¹² OJ L 196, 27.4.2008, p.1.

¹³ OJ L 276, 20.10.2010, p. 1.

Or. en

Amendment 40
Jean-Pierre Audy

Proposal for a decision
Recital 6

Text proposed by the Commission

(6) The provision of SST services will benefit all public and private operators of space-based infrastructures, including the Union in view of its responsibilities for its EU space programmes – European Geostationary Navigation Overlay Service (EGNOS) and Galileo being implemented by Regulation (EC) No 683/2008 of the European Parliament and of the Council of 9 July 2008 on the further implementation of the European satellite navigation programmes (EGNOS and Galileo)¹² and Copernicus/GMES established by Regulation (EU) No 911/2010 Of the European Parliament and of the Council of 22 September 2010 on the European Earth monitoring programme (GMES) and its initial operations (2011 to 2013)¹³. **Re-entry** warnings will also benefit national public authorities concerned with civil protection.

¹² OJ L 196, 27.4.2008, p. 1.

¹³ OJ L 276, 20.10.2010, p. 1.

Amendment

(6) The provision of SST services will benefit all public and private operators of space-based infrastructures, including the Union in view of its responsibilities for its EU space programmes – European Geostationary Navigation Overlay Service (EGNOS) and Galileo being implemented by Regulation (EC) No 683/2008 of the European Parliament and of the Council of 9 July 2008 on the further implementation of the European satellite navigation programmes (EGNOS and Galileo)¹² and Copernicus/GMES established by Regulation (EU) No 911/2010 Of the European Parliament and of the Council of 22 September 2010 on the European Earth monitoring programme (GMES) and its initial operations (2011 to 2013)¹³. Warnings ***about uncontrolled re-entry and estimated earthfall zones and times*** will also benefit national public authorities concerned with civil protection.

¹² OJ L 196, 27.4.2008, p. 1.

¹³ OJ L 276, 20.10.2010, p. 1.

Or. fr

Amendment 41
Vittorio Prodi

Proposal for a decision
Recital 7

Text proposed by the Commission

(7) The SST services should be complementary to research activities related to the protection of space-based infrastructure carried out under the Horizon 2020 programme established by [reference to Horizon 2020 Regulation to be added once adopted], as well as **to** the European Space Agency's activities in this domain.

Amendment

(7) The SST services should be complementary to research activities related to the protection of space-based infrastructure carried out under the Horizon 2020 programme established by [reference to Horizon 2020 Regulation to be added once adopted] ***such as the development of optic laser technologies for tracking***, as well as the European Space Agency's ***or other international research*** activities in this domain. ***Moreover it should also be complementary to the Union's flagship space programmes i.e. Copernicus and Galileo, its Digital Agenda initiative, and other telecommunication infrastructures which aid the realisation of the information society.***

Or. en

Amendment 42
Vladimír Remek, Vittorio Prodi

Proposal for a decision
Recital 7

Text proposed by the Commission

(7) The SST services should be complementary to research activities related to the protection of space-based infrastructure carried out under the Horizon 2020 programme established by [reference to Horizon 2020 Regulation to be added once adopted], as well as to the European Space Agency's activities in this domain.

Amendment

(7) The SST services should be complementary to research activities related to the protection of space-based infrastructure carried out under the Horizon 2020 programme established by [reference to Horizon 2020 Regulation to be added once adopted], as well as to the European Space Agency's ***existing and future*** activities in this domain.

Amendment 43
Vittorio Prodi

Proposal for a decision
Recital 8

Text proposed by the Commission

(8) The SST support programme should also be complementary to existing mitigation measures such as the United Nations (UN) guidelines for space debris mitigation or other initiatives, such as the Union proposal for an international Code of Conduct on outer space activities.

Amendment

(8) The SST support programme should also be complementary to existing mitigation measures such as the United Nations (UN) guidelines for space debris mitigation or other ***international*** initiatives ***to ensure space sustainability, sound space governance structures, and/or universal access***, such as the Union proposal for an international Code of Conduct on outer space activities.

Amendment 44
Vittorio Prodi

Proposal for a decision
Recital 9

Text proposed by the Commission

(9) Civil-military SSA user requirements were defined in the Commission staff working paper ‘European space situational awareness high-level civil-military user requirements’¹⁴ endorsed by the Member States in the Political and Security Committee of the Council on 18 November 2011¹⁵. The provision of SST services should serve only civilian purposes. Purely military requirements should not be addressed by this Decision.

Amendment

(9) Civil-military SSA user requirements were defined in the Commission staff working paper ‘European space situational awareness high-level civil-military user requirements’¹⁴ endorsed by the Member States in the Political and Security Committee of the Council on 18 November 2011¹⁵. The provision of SST services should serve only civilian purposes, ***but this should not restrict the European Defence Agency (EDA) from contributing to the programme***. Purely military requirements should not be addressed by

this Decision.

¹⁴ SEC(2011) 1247 final, 12.10.2011.

¹⁵ Council document 15715/11,
24.10.2011.

¹⁴ SEC(2011) 1247 final, 12.10.2011.

¹⁵ Council document 15715/11,
24.10.2011.

Or. en

Amendment 45
Jean-Pierre Audy

Proposal for a decision
Recital 9

Text proposed by the Commission

(9) Civil-military SSA user requirements were defined in the Commission staff working paper 'European space situational awareness high-level civil-military user requirements'¹⁴ endorsed by the Member States in the Political and Security Committee of the Council on 18 November 2011¹⁵. The provision of SST services should serve only civilian purposes. Purely military requirements should not be addressed by this Decision.

¹⁴ SEC(2011) 1247 final, 12.10.2011.

¹⁵ Council document 15715/11,
24.10.2011.

Amendment

(9) Civil-military SSA user requirements were defined in the Commission staff working paper 'European space situational awareness high-level civil-military user requirements'¹⁴ endorsed by the Member States in the Political and Security Committee of the Council on 18 November 2011¹⁵. The provision of SST services should serve only civilian purposes. Purely military requirements should not be addressed by this Decision. ***Protection of military or dual-use satellites shall constitute a civilian purpose.***

¹⁴ SEC(2011) 1247 final, 12.10.2011.

¹⁵ Council document 15715/11,
24.10.2011.

Or. fr

Amendment 46
Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision
Recital 10

Text proposed by the Commission

(10) The operation of SST services should be based on a partnership between the Union **and** the Member States and use existing as well as future national expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States. The Member States retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Amendment

(10) The operation of SST services should be based on a partnership between the Union, the Member States **and the ESA** and use existing as well as future national **and European** expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States **and ESA**. The Member States retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Or. en

Amendment 47

Vittorio Prodi

Proposal for a decision

Recital 10

Text proposed by the Commission

(10) The operation of SST services should be based on a partnership between the Union and the Member States and use existing as well as future national expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States. The Member States retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Amendment

(10) The operation of SST services should be based on a partnership between the Union and the Member States, **and relevant Union and national agencies**, and use existing as well as future national expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States. The Member States retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Or. en

Amendment 48

Vladimír Remek, Vittorio Prodi

Proposal for a decision
Recital 10

Text proposed by the Commission

(10) The operation of SST services should be based on a partnership between the Union and the Member States and use existing as well as future national expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States. The Member States retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Amendment

(10) The operation of SST services should be based on a partnership between the Union and the Member States and use existing as well as future national expertise and assets, such as mathematical analysis and modelling know-how, ground-based radars or telescopes made available by participating Member States **and ESA**. The Member States **and ESA** retain ownership and control over their assets and remain responsible for their operations, maintenance and renewal.

Or. en

Justification

ESA as an organisation, and not its Member States, is the owner of the assets developed under ESA programmes.

Amendment 49
Vittorio Prodi

Proposal for a decision
Recital 11 a (new)

Text proposed by the Commission

Amendment

(11a) The European Network and Information Security Agency (ENISA) might also provide supplementary support to ensure the integrity of networks and systems.

Or. en

Amendment 50
Vittorio Prodi

Proposal for a decision
Recital 12

Text proposed by the Commission

(12) Precise information on the nature, specifications and location of certain space objects may affect the security of the European Union or its Member States. Adequate security considerations should therefore be taken into account in the establishment and operation of the network of SST sensors, the capacity to process and analyse SST data and the provision of SST services. It is therefore necessary to lay down general provisions on the use and secure exchange of SST data and information between the Member States, the EUSC and the recipients of SST services in this Decision. Furthermore, the European Commission and the European External Action Service should define the coordination mechanisms needed to address matters related to the security of the SST support programme.

Amendment

(12) Precise information on the nature, specifications and location of certain space objects may affect the security of the European Union or its Member States. Adequate security considerations should therefore be taken into account in the establishment and operation of the network of SST sensors, the capacity to process and analyse SST data and the provision of SST services. It is therefore necessary to lay down general provisions on the use and secure exchange of SST data and information between the Member States, the EUSC, **the ENISA, the EDA** and the recipients of SST services in this Decision. Furthermore, the European Commission and the European External Action Service should define the coordination mechanisms needed to address matters related to the security of the SST support programme.

Or. en

Amendment 51
Jean-Pierre Audy

Proposal for a decision
Recital 12

Text proposed by the Commission

(12) Precise information on the nature, specifications and location of certain space objects may affect the security of the European Union **or** its Member States. Adequate security considerations should therefore be taken into account in the establishment and operation of the network

Amendment

(12) Precise information on the nature, specifications and location of certain space objects may affect the security of the European Union, its Member States **or third countries**. Adequate security considerations should therefore be taken into account in the establishment and

of SST sensors, the capacity to process and analyse SST data and the provision of SST services. It is therefore necessary to lay down general provisions on the use and secure exchange of SST data and information between the Member States, the EUSC and the recipients of SST services in this Decision. Furthermore, the European Commission and the European External Action Service should define the coordination mechanisms needed to address matters related to the security of the SST support programme.

operation of the network of SST sensors, the capacity to process and analyse SST data and the provision of SST services. It is therefore necessary to lay down general provisions on the use and secure exchange of SST data and information between the Member States, the EUSC and the recipients of SST services in this Decision. Furthermore, the European Commission and the European External Action Service should define the coordination mechanisms needed to address matters related to the security of the SST support programme.

Or. fr

Amendment 52

Vittorio Prodi

Proposal for a decision

Recital 14

Text proposed by the Commission

(14) The Security Committee of the Council recommended the creation of a risk management structure to ensure that data security issues are duly taken into account in the implementation of the SST support programme. For that purpose, the appropriate risk management structures and procedures should be established by the participating Member States and the EUSC.

Amendment

(14) The Security Committee of the Council recommended the creation of a risk management structure to ensure that data security issues are duly taken into account in the implementation of the SST support programme. For that purpose, the appropriate risk management structures and procedures should be established by the participating Member States and the EUSC, ***with an appropriate role for ENISA to support the security of networks and information.***

Or. en

Amendment 53

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Recital 15

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Text proposed by the Commission

(15) The SST support programme should be financed by the Union in accordance with Regulation (EU, Euratom) No 966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union¹⁸. Union funding for the SST support programme should be drawn from **relevant** programmes **provided for** in the multiannual financial framework for 2014-2020.

¹⁸ OJ L 298, 26.10.2012, p. 1.

Amendment

(15) The SST support programme should be financed by the Union in accordance with Regulation (EU, Euratom) No 966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union¹⁸. ***The maximum amount of*** Union funding for the SST support programme should be ***EUR 70 million in current prices. It should primarily be*** drawn from ***the*** programmes ***dedicated to space policy*** in the multiannual financial framework for 2014-2020, ***i.e. EGNOS/Galileo and Copernicus, preferably through specific budget lines under these programmes. In certain cases, contributions from the Internal Security Fund and the Horizon 2020 programme should also be possible but should be strictly limited to actions provided for in their basic acts, related to the protection of critical infrastructure and to space and security research respectively. Any increase in the Union contribution should be sought for among Galileo and Copernicus programmes.***

¹⁸ OJ L 298, 26.10.2012, p. 1.

Or. en

Amendment 54
Vladimír Remek, Vittorio Prodi

Proposal for a decision
Recital 15

Text proposed by the Commission

(15) The SST support programme should be financed by the Union in accordance with Regulation (EU, Euratom) No

Amendment

(15) The SST support programme should be financed by the Union in accordance with Regulation (EU, Euratom) No

966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union¹⁸. Union funding for the SST support programme should be drawn from relevant programmes provided for in the multiannual financial framework for 2014-2020.

¹⁸ OJ L 298, 26.10.2012, p. 1.

966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union¹⁸. Union funding for the SST support programme should be drawn from relevant programmes provided for in the multiannual financial framework for 2014-2020. ***Any increase in the Union contribution may be sought, apart from Horizon 2020 as regards research aspects, also from Galileo and Copernicus programmes, while ensuring that their own objectives are not jeopardised.***

¹⁸ OJ L 298, 26.10.2012, p. 1.

Or. en

Amendment 55

Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision

Recital 17 a (new)

Text proposed by the Commission

Amendment

(17a) In order to ensure proper planning of the programme, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission in respect of the adoption of a multiannual work programme. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level. The Commission, when preparing and drawing up delegated acts, should ensure a simultaneous, timely and appropriate transmission of relevant documents to the European Parliament and to the Council.

Or. en

Amendment 56
Norbert Glante

Proposal for a decision
Article 1 – paragraph 1

Text proposed by the Commission

A space surveillance and tracking
(*hereinafter referred to as 'SST'*) support
programme is established for the period
from 1 January 2014 to 31 December 2020.

Amendment

The *Cassini* space surveillance and
tracking support programme (*hereinafter*
referred to as 'the Cassini Programme') is
established for the period from 1 January
2014 to 31 December 2020

*(This amendment applies to the entire
proposal for a decision; if it is accepted,
the necessary changes must be made
throughout.)*

Or. de

Justification

Along the lines of the Galileo and Copernicus programmes, a name should be used instead of an obscure abbreviation. The name is that of the Italian-French Cassini family of astronomers. The change applies wherever reference is made in the proposal for a decision to the 'SST programme'.

Amendment 57
Jean-Pierre Audy

Proposal for a decision
Article 1 a (new)

Text proposed by the Commission

Amendment

Article 1a

Overall objective

*The SST support programme shall help
ensure the long-term availability of
European national space infrastructure
facilities and services, with the overall
objective of equipping the European*

Union with an autonomous space surveillance system, which is essential for the security of economies, societies and citizens in Europe, mainly by contributing to the non-proliferation of space debris.

Or. fr

Amendment 58
Jean-Pierre Audy

Proposal for a decision
Article 2 – point 1

Text proposed by the Commission

(1) 'Space object' means any man-made *or natural* object in outer space.

Amendment

(1) 'Space object' means any man-made object in outer space.

Or. fr

Amendment 59
Vittorio Prodi

Proposal for a decision
Article 2 – point 2

Text proposed by the Commission

(2) 'Spacecraft' means any man-made space object serving a specific purpose, including artificial satellites;

Amendment

(2) 'Spacecraft' means any man-made space object serving a specific purpose, including artificial satellites, *minisatellites, microsatellites, nanosatellites and picosatellites*;

Or. en

Amendment 60
Jean-Pierre Audy

Proposal for a decision
Article 2 – point 2

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Text proposed by the Commission

(2) 'Spacecraft' means any man-made space object serving a specific purpose, including artificial satellites;

Amendment

(2) 'Spacecraft' means any man-made space object serving a specific purpose, including **active** artificial satellites;

Or. fr

Amendment 61
Vittorio Prodi

Proposal for a decision
Article 2 – point 3

Text proposed by the Commission

(3) 'Space debris' means spacecraft **or parts** thereof **that** no longer serve any specific purpose including parts of rockets or artificial satellites, or inactive artificial satellites;

Amendment

(3) 'Space debris' means **all man-made objects including** spacecraft **or fragments and elements** thereof, **in Earth orbit or re-entering the atmosphere, that are non-functional or** no longer serve any specific purpose including parts of rockets or artificial satellites, or inactive artificial satellites;

Or. en

Amendment 62
Jean-Pierre Audy

Proposal for a decision
Article 2 – point 5

Text proposed by the Commission

(5) 'SST data' means physical parameters of space objects acquired by SST sensors.

Amendment

(5) 'SST data' means physical parameters of space objects acquired by SST sensors **or space objects' orbital parameters derived from observations by those sensors.**

Or. fr

Amendment 63
Vittorio Prodi

Proposal for a decision
Article 3 – introductory part

Text proposed by the Commission

The objectives of the SST Support Programme shall be to support actions aimed at establishing a SST capability and, in particular:

Amendment

The objectives of the SST Support Programme shall be to support actions aimed at ***mitigating the risk and consequences of space collisions by*** establishing a ***European*** SST capability and, in particular:

Or. en

Amendment 64
Jean-Pierre Audy

Proposal for a decision
Article 3 – introductory part

Text proposed by the Commission

The objectives of the SST Support Programme shall be to support actions aimed at establishing a SST capability and, in particular:

Amendment

The objectives of the SST Support Programme shall be to support actions aimed at establishing a SST capability ***giving the European Union an appropriate degree of autonomy*** and, in particular:

Or. fr

Amendment 65
Rachida Dati

Proposal for a decision
Article 3 – point a

Text proposed by the Commission

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based existing national sensors to survey and track space objects;

Amendment

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based existing national sensors, ***and expansion of that network by upgrading existing sensors or installing new sensors where necessary, in order*** to survey and track space objects ***completely independently***;

Or. fr

Justification

Existing sensors should be upgraded, and, if possible, new sensors developed, in order to ensure that data are independently obtained.

Amendment 66

Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision

Article 3 – point a

Text proposed by the Commission

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based ***existing*** national sensors to survey and track space objects;

Amendment

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based ***European SST sensors, including both*** national sensors ***and those developed through the ESA***, to survey and track space objects;

Or. en

Amendment 67

Jean-Pierre Audy

Proposal for a decision

Article 3 – point a

Text proposed by the Commission

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based **existing** national sensors to survey and track space objects;

Amendment

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based national sensors to survey and track space objects **and to produce a related database**;

Or. fr

Amendment 68
Vittorio Prodi

Proposal for a decision
Article 3 – point a

Text proposed by the Commission

(a) the establishment and operation of a sensor function consisting of a network of ground-based or space-based existing national sensors to survey and track space objects;

Amendment

(a) the establishment and operation of a sensor function consisting of a **secure** network of ground-based or space-based existing national sensors to survey and track space objects;

Or. en

Amendment 69
Jean-Pierre Audy

Proposal for a decision
Article 3 – point b

Text proposed by the Commission

(b) the establishment and operation of a processing function to process and analyse the SST data ***captured by the sensors, including the capacity to detect and identify space objects and to build and maintain a catalogue thereof***;

Amendment

(b) the establishment and operation of a processing function to process and analyse the SST data ***in order to produce SST information***;

Or. fr

Amendment 70
Jean-Pierre Audy

Proposal for a decision
Article 3 – point c

Text proposed by the Commission

(c) the setting up and operation of a service function to provide SST services to ***spacecraft operators and public authorities.***

Amendment

(c) the setting up and operation of a service function to provide ***the*** SST services ***defined in Article 4(1) to the entities referred to in Article 4(2).***

Or. fr

Amendment 71
Vittorio Prodi

Proposal for a decision
Article 3 – point c

Text proposed by the Commission

(c) the setting up and operation of a service function to provide SST services to spacecraft operators ***and*** public authorities.

Amendment

(c) the setting up and operation of a service function to provide SST services to spacecraft operators, public authorities ***and private entities involved in space activities.***

Or. en

Amendment 72
Vladimír Remek

Proposal for a decision
Article 3 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

The Commission shall, on the basis of the objectives laid down in paragraph 1, set out in a multiannual work plan a description of the specific actions,

together with an indicative implementation timetable and an indication of the amount to be allocated to each action.

Or. en

Justification

Objectives are interesting and relatively clear but concrete actions, timing and budget use still seem to be opaque even for a preparatory kind of programme.

Amendment 73
Vittorio Prodi

Proposal for a decision
Article 4 – paragraph 1 – point a

Text proposed by the Commission

(a) the risk assessment of a collision between spacecraft or between spacecraft and space debris and the generation of collision avoidance alerts during the launch and in-orbit operation of spacecrafts;

Amendment

(a) the risk assessment of a collision between spacecraft, or between spacecraft and space debris, ***or between spacecraft and space objects*** and the generation of collision avoidance alerts during the launch and in-orbit operation of spacecrafts;

Or. en

Amendment 74
Jean-Pierre Audy

Proposal for a decision
Article 4 – paragraph 1 – point b

Text proposed by the Commission

(b) the detection and ***risk assessment*** of on-orbit ***explosions*** or break-ups or collisions;

Amendment

(b) the detection and ***characterisation*** of on-orbit ***fragmentations*** or break-ups or collisions;

Or. fr

Amendment 75
Jean-Pierre Audy

Proposal for a decision
Article 4 – paragraph 1 – point c

Text proposed by the Commission

(c) ***the*** risk assessment of ***and alerts*** ***related*** to the re-entry of space objects and space debris into the Earth's atmosphere and ***the*** prediction of ***the time and location of impact***.

Amendment

(c) risk assessment ***relating*** to the ***uncontrolled*** re-entry of space objects and space debris into the Earth's atmosphere, and prediction of ***earthfall zones and times***.

Or. fr

Amendment 76
Vittorio Prodi

Proposal for a decision
Article 4 – paragraph 1 – point c a (new)

Text proposed by the Commission

(ca) the provision of orbit risk assessments over the life of the spacecraft.

Or. en

Amendment 77
Vittorio Prodi

Proposal for a decision
Article 4 – paragraph 2

Text proposed by the Commission

2. SST services shall be provided to Member States, the Council, the Commission, the EEAS, public and private spacecraft operators, ***and*** public authorities concerned with civil protection. The SST

Amendment

2. SST services shall be provided to Member States, the Council, the Commission, the EEAS, public and private spacecraft operators, public authorities concerned with civil protection, ***and***

services shall be provided in compliance with the provisions on the use and exchange of SST data and information set out in Article 9.

wherever appropriate insurance companies. The SST services shall be provided in compliance with the provisions on the use and exchange of SST data and information set out in Article 9.

Or. en

Amendment 78
Silvia-Adriana Țicău

Proposal for a decision
Article 4 – paragraph 3

Text proposed by the Commission

3. Participating Member States, the EUSC, and the Commission shall not be held liable for any damage resulting from the lack or interruption of the provision of SST services, a delay in the provision thereof or the inaccuracy of the information provided through the SST services.

Amendment

deleted

Or. ro

Amendment 79
Vittorio Prodi

Proposal for a decision
Article 4 – paragraph 3

Text proposed by the Commission

3. Participating Member States, the EUSC, and the Commission shall not be held liable for any damage resulting from the lack or interruption of the provision of SST services, a delay in the provision thereof or the inaccuracy of the information provided through the SST services.

Amendment

3. Participating Member States, the EUSC, ***the ENISA*** and the Commission shall not be held liable for any damage resulting from the lack or interruption of the provision of SST services, a delay in the provision thereof or the inaccuracy of the information provided through the SST services.

Amendment 80
Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision
Article 5 – paragraph 2

Text proposed by the Commission

Amendment

2. The SST Support Programme shall not provide support for the development of new SST sensors. **deleted**

Amendment 81
Jean-Pierre Audy

Proposal for a decision
Article 5 – paragraph 2

Text proposed by the Commission

Amendment

2. The SST Support Programme shall not provide support for the development of new SST sensors.

2. The SST Support Programme may provide support for the development of new sensors or be involved in the upgrading of existing sensors.

Amendment 82
Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision
Article 6 – paragraph 1 – point a

Text proposed by the Commission

Amendment

(a) manage the funds to be drawn to the SST support programme and ensure the implementation of the SST support

(a) manage the funds to be drawn to the SST support programme and ensure the implementation of the SST support

programme;

programme *while providing transparency and clarity regarding the different sources of funding;*

Or. en

Amendment 83

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Article 6 – paragraph 1 – subparagraph 2 (new)

Text proposed by the Commission

Amendment

The Commission shall ensure the complementarity between the SST support programme and research activities related to the protection of space-based infrastructure carried out under the Horizon 2020 programme established by [reference to Horizon 2020 Regulation to be added once adopted]. It shall also facilitate its complementarity with the other European and international activities in this domain.

Or. en

Amendment 84

Vittorio Prodi

Proposal for a decision

Article 6 – paragraph 1 – point c

Text proposed by the Commission

Amendment

(c) establish, in cooperation with the European External Action Service, the necessary coordination mechanisms to ensure the security of the programme.

(c) establish, in cooperation with the European External Action Service, the **European Defence Agency and the European Network and Information Security Agency**, the necessary coordination mechanisms to ensure the security of the programme.

Amendment 85
Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision
Article 6 – paragraph 1 – point c a (new)

Text proposed by the Commission

Amendment

(ca) define the governance and the data policy for the European SST service, playing an active role in the setting up of the consortium and closely monitoring the activities of the programme.

Or. en

Amendment 86
Vittorio Prodi

Proposal for a decision
Article 7 – paragraph 1 – introductory part

Text proposed by the Commission

Amendment

1. Member States wishing to participate in the implementation of the objectives set out in Article 3 shall ***submit an application to the Commission demonstrating compliance with the following criteria:***

1. Member States wishing to participate in the implementation of the objectives set out in Article 3 shall ***show proof of:***

Or. en

Amendment 87
Jean-Pierre Audy

Proposal for a decision
Article 7 – paragraph 1 – introductory part

Text proposed by the Commission

1. Member States wishing to participate in the implementation of the objectives set out in Article 3 shall submit an application to the Commission **demonstrating** compliance with the following criteria:

Amendment

1. Member States wishing to participate in the implementation of the objectives set out in Article 3 shall submit an application to the Commission directly, **or via a national or multinational consortium or public entity, which demonstrates** compliance with the following criteria:

Or. fr

Amendment 88

Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision

Article 7 – paragraph 1 – point a

Text proposed by the Commission

(a) **ownership of** SST sensors and adequate technical and human resources to operate them **or** data processing capacities;

Amendment

(a) **a capacity to provide to the SST system any of the following:**

- SST sensors and adequate technical and human resources to operate them, **or**
- **analysis and** data processing capacities **specifically designed for SST;**

Or. en

Amendment 89

Zofija Mazej Kukovič

Proposal for a decision

Article 7 – paragraph 1 – point a

Text proposed by the Commission

(a) ownership of SST sensors and adequate technical and human resources to operate them **or data processing capacities;**

Amendment

(a) ownership of SST sensors **or data processing capacities** and adequate technical and human resources to operate them;

Amendment 90
Vittorio Prodi

Proposal for a decision
Article 7 – paragraph 1 – point a

Text proposed by the Commission

(a) ownership of SST sensors and adequate technical and human resources to operate them or data processing capacities;

Amendment

(a) ownership of SST sensors and adequate technical and human resources to operate them or data processing capacities, ***or contribution to an SST programme;***

Or. en

Amendment 91
Vittorio Prodi

Proposal for a decision
Article 7 – paragraph 1 – point b

Text proposed by the Commission

(b) establishment of an action plan for the implementation of the objectives set out in Article 3.

Amendment

deleted

Or. en

Amendment 92
Vittorio Prodi

Proposal for a decision
Article 7 – paragraph 4

Text proposed by the Commission

4. The Member States which comply with the criteria set out in paragraph 1 and which are parties to the agreement referred

Amendment

4. The Member States which comply with the criteria set out in paragraph 1 and which are parties to the agreement referred

to in Article 10 shall be eligible for financial contribution from the SST support programme. ***The Commission shall publish and update on its website the list of Member States.***

to in Article 10 shall be eligible for financial contribution from the SST support programme.

Or. en

Amendment 93
Zofija Mazej Kukovič

Proposal for a decision
Article 7 – paragraph 4

Text proposed by the Commission

4. The Member States which comply with the criteria set out in paragraph 1 and which are parties to the agreement referred to in Article 10 shall be eligible for financial contribution from the SST support programme. The Commission shall publish and update on its website the list of Member States.

Amendment

4. The Member States which comply with the criteria set out in paragraph 1 and which are parties to the agreement referred to in Article 10 shall be eligible for financial contribution from the SST support programme. The Commission shall publish and update on its website the list of Member States ***and their respective financial contributions.***

Or. en

Amendment 94
Jean-Pierre Audy

Proposal for a decision
Article 8

Text proposed by the Commission

The European Union Satellite Centre (EUSC) shall participate in the implementation of the objective set out in point (c) of Article 3 and shall be eligible for financial contribution from the SST support programme subject to the conclusion of the agreement referred to in Article 10.

Amendment

The European Union Satellite Centre (EUSC) shall participate in the implementation of the objective set out in point (c) of Article 3 and shall be eligible for financial contribution from the SST support programme subject to the conclusion of the agreement referred to in Article 10. ***The EUSC shall be tasked with***

interfacing with end users. It shall establish and set up facilities for the retrieval of SST data and distribution of services to the entities specified in Article 4(2).

Or. fr

Amendment 95

Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision

Article 8

Text proposed by the Commission

The European Union Satellite Centre (EUSC) shall participate in the implementation of the **objective** set out in **point (c) of** Article 3 and shall be eligible for financial contribution from the SST support programme subject to the conclusion of the agreement referred to in Article 10.

Amendment

The European Union Satellite Centre (EUSC) shall participate in the implementation of the **main actions** set out in Article 3 and shall be eligible for financial contribution from the SST support programme subject to the conclusion of the agreement referred to in Article 10.

Or. en

Amendment 96

Zofija Mazej Kukovič

Proposal for a decision

Article 8

Text proposed by the Commission

The European Union Satellite Centre (EUSC) shall participate in the implementation of the objective set out in point (c) of Article 3 and shall be eligible for financial contribution from the SST support programme subject to the conclusion of the agreement referred to in Article 10.

Amendment

The European Union Satellite Centre (EUSC) shall participate in the implementation of the objective set out in point (c) of Article 3 and shall be eligible for financial contribution **up to a ceiling** from the SST support programme subject to the conclusion of the agreement referred to in Article 10.

Amendment 97
Sajjad Karim

Proposal for a decision
Article 9 – introductory part

Text proposed by the Commission

The use and exchange of SST data and information for the purposes of the implementation of the objectives referred to in Article 3 shall be subject to the following rules:

Amendment

The use and exchange of SST data and **SST** information for the purposes of the implementation of the objectives referred to in Article 3 shall be subject to the following rules **and an implementing act shall be established to specify the means by which these aims are to be achieved and the measures that are to be put in place to ensure compliance with relevant criteria:**

Amendment 98
Alejo Vidal-Quadras, Pilar del Castillo Vera

Proposal for a decision
Article 9 – introductory part

Text proposed by the Commission

The use and exchange of SST data and information for the purposes of the implementation of the **objectives** referred to in Article 3 shall be subject to the following rules:

Amendment

The use and exchange of SST data and information for the purposes of the implementation of the **main actions** referred to in Article 3 shall be subject to the following rules:

Amendment 99
Vittorio Prodi

Proposal for a decision
Article 10 – introductory part

Text proposed by the Commission

The Member States ***which comply with the criteria set out in Article 7(1) and*** the EUSC shall conclude an agreement laying down the rules and mechanisms for their cooperation in the implementation of the objectives set out in Article 3. In particular, that agreement shall include provisions on the following:

Amendment

The Member States, the EUSC ***and the ENISA*** shall conclude an agreement laying down the rules and mechanisms for their cooperation in the implementation of the objectives set out in Article 3. In particular, that agreement shall include provisions on the following:

Or. en

Amendment 100
Vladimír Remek, Vittorio Prodi

Proposal for a decision
Article 10 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

ESA may contribute to the SST Programme on behalf of its Member States participating in the Space Situational Awareness Programme (SSA Programme).

Or. en

Justification

Being the owner of all tangible and intangible assets, ESA does not need an agreement with its participating Member States is SSA.

Amendment 101
Maria Da Graça Carvalho

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

Text proposed by the Commission

Union funding for the SST support programme shall be *drawn from other programmes provided for in the multiannual financial framework for 2014-2020 in full compatibility with their legal base.*

Amendment

The maximum Union contribution to the SST support programme shall be *EUR 70 million for 2014-2020 in current prices, to be drawn primarily and in equivalent proportions from the programmes established by the acts referred to in the second paragraph.*

Or. en

Amendment 102

Sajjad Karim, Evžen Tošenovský

Proposal for a decision

Article 11 – paragraph 1 – subparagraph 2 – point a

Text proposed by the Commission

(a) Regulation (EU) No [...] of the European Parliament and the Council on the implementation and exploitation of European satellite navigation systems²¹, Articles 1, 3 (c) and (d) and 4;

²¹ COM(2011) 814 final, 31.11.2011.
Reference to be updated after adoption.

Amendment

(a) Regulation (EU) No [...] of the European Parliament and the Council on the implementation and exploitation of European satellite navigation systems²¹, Articles 1, 3 (c) and (d) and 4, ***without jeopardising the full functionality of the EGNOS and Galileo programmes.***

²¹ COM(2011) 814 final, 31.11.2011.
Reference to be updated after adoption.

Or. en

Amendment 103

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Article 11 – paragraph 1 – subparagraph 2 – point a a (new)

Text proposed by the Commission

Amendment

(aa) Regulation (EU) No [...] of the

Or. en

Amendment 104
Norbert Glante

Proposal for a decision
Article 11 – paragraph 1 – subparagraph 2 – point a a (new)

Text proposed by the Commission

Amendment

***(aa) Regulation (EU) No [...] of the
European Parliament and of the Council
establishing the Copernicus Programme
and repealing Regulation (EU) No
911/2020, Article 5(c);***

Or. de

Justification

The aim of the amendment is to name programmes from which funding can be drawn - albeit, in order to ensure funding flexibility, without laying down a percentage.

Amendment 105
Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision
Article 11 – paragraph 1 – subparagraph 2 – point b

Text proposed by the Commission

Amendment

(b) Council Decision No [...] establishing the Specific Programme implementing Horizon 2020²², Article 2(2)(b) and (c), annex part II, point 1.6.2 (d) and annex part III, point 6.3.4;

(b) part of the contribution may also, to a limited extent and in accordance with their basic acts, be drawn from the programmes established by Regulation (EU) No [...] of the European Parliament and the Council establishing, as part of

the Internal Security Fund, the instrument for financial support for police cooperation, preventing and combating crime, and crisis management^{21a}, Article 3(2)(b) and (3)(e) and by Council Decision No [...] establishing the Specific Programme implementing Horizon 2020²², Article 2(2)(b) and (c), annex part II, point 1.6.2 (d) and annex part III, point 6.3.4;

²² COM(2011) 811 final, 30.11.2011.
Reference to be updated after adoption

^{21a} *OJ L ...*

²² COM(2011) 811 final, 30.11.2011.
Reference to be updated after adoption.

Or. en

Amendment 106

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Article 11 – paragraph 1 – subparagraph 2 – point c

Text proposed by the Commission

Amendment

(c) Regulation (EU) No [...] of the European Parliament and the Council establishing, as part of the Internal Security Fund, the instrument for financial support for police cooperation, preventing and combating crime, and crisis management²³, Article 3(2)(b) and (3)(e).

deleted

²³ COM(2011) 753 final, 15.11.2011.
Reference to be updated after adoption.

Or. en

Amendment 107

Sajjad Karim

Proposal for a decision

Article 11 – paragraph 1 – subparagraph 2 – point c

Text proposed by the Commission

(c) Regulation (EU) No [...] of the European Parliament and the Council establishing, *as part of the Internal Security Fund, the instrument for financial support for police cooperation, preventing and combating crime, and crisis management*²³, Article 3(2)(b) and (3)(e).

Amendment

(c) Regulation (EU) No [...] of the European Parliament and the Council establishing *the funding and operation of the European Earth monitoring programme (Copernicus) 2014-2020, without jeopardising the full functionality of the programme.*

Or. en

Amendment 108

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Article 11 – paragraph 2

Text proposed by the Commission

2. The annual appropriations shall be authorised by the budgetary authority within the limits foreseen for this activity under the programmes from which funding has been drawn.

Amendment

2. The annual appropriations shall be authorised by the budgetary authority within the limits foreseen for this activity under the programmes from which funding has been drawn. *Any increase in the Union contribution shall be sought among Galileo and Copernicus programmes.*

Or. en

Amendment 109

Vittorio Prodi

Proposal for a decision

Article 11 – paragraph 2 a (new)

Text proposed by the Commission

Amendment

2a. Private funding shall be drawn from

financial institutions with a demonstrable interest in the protection of spacecraft.

Or. en

Amendment 110

Maria Da Graça Carvalho, Zofija Mazej Kukovič

Proposal for a decision

Article 13 – paragraph 1

Text proposed by the Commission

1. The Commission shall monitor the implementation of the SST Support Programme.

Amendment

1. The Commission shall monitor the implementation of the SST Support Programme ***and inform annually the European Parliament and the Council.***

Or. en

Amendment 111

Zofija Mazej Kukovič

Proposal for a decision

Article 13 – paragraph 2 – point b

Text proposed by the Commission

(b) effectiveness of the use of resources.

Amendment

(b) effectiveness of the use of resources, ***in particular taking into account the provision of funds for the EUSC.***

Or. en