

Procedure file

Basic information		
NLE - Non-legislative enactments Regulation	2013/0244(NLE)	Procedure completed
Clean Sky 2 Joint Undertaking for the implementation of the Joint Technology Initiative in aeronautics		
Repealing Regulation (EC) No 71/2008 2007/0118(CNS)		
Subject 3.40.05 Aeronautical industry, aerospace industry 3.50.20 Scientific and technological cooperation and agreements		

Key players			
European Parliament	Committee responsible	Rapporteur	Appointed
	ITRE Industry, Research and Energy		10/10/2013
		PPE EHLER Christian	
		Shadow rapporteur	
		S&D PRODI Vittorio	
		ALDE JOHANSSON Kent	
		Verts/ALE LAMBERTS Philippe	
		ECR FORD Vicky	
	Committee for opinion	Rapporteur for opinion	Appointed
	ENVI Environment, Public Health and Food Safety	The committee decided not to give an opinion.	
	BUDG Budgets	The committee decided not to give an opinion.	
Council of the European Union	Council configuration	Meeting	Date
	General Affairs	3306	18/03/2014
	Competitiveness (Internal Market, Industry, Research and Space)	3276	03/12/2013
	Competitiveness (Internal Market, Industry, Research and Space)	3258	26/09/2013
European Commission	Commission DG	Commissioner	
	Research and Innovation	GEOGHEGAN-QUINN Maire	

Key events			
10/07/2013	Legislative proposal published	COM(2013)0505	Summary
10/09/2013	Committee referral announced in Parliament		
26/09/2013	Debate in Council	3258	
23/01/2014	Vote in committee		
10/02/2014	Committee report tabled for plenary, 1st reading/single reading	A7-0083/2014	Summary

15/04/2014	Results of vote in Parliament		
15/04/2014	Decision by Parliament	T7-0370/2014	Summary
06/05/2014	Act adopted by Council after consultation of Parliament		
06/05/2014	End of procedure in Parliament		
07/06/2014	Final act published in Official Journal		

Technical information

Procedure reference	2013/0244(NLE)
Procedure type	NLE - Non-legislative enactments
Procedure subtype	Consultation of Parliament
Legislative instrument	Regulation
	Repealing Regulation (EC) No 71/2008 2007/0118(CNS)
Legal basis	Treaty on the Functioning of the EU TFEU 187; Treaty on the Functioning of the EU TFEU 188 -a1
Other legal basis	Rules of Procedure EP 159
Stage reached in procedure	Procedure completed
Committee dossier	ITRE/7/13341

Documentation gateway

Legislative proposal	COM(2013)0505	10/07/2013	EC	Summary
Document attached to the procedure	SWD(2013)0257	10/07/2013	EC	
Document attached to the procedure	SWD(2013)0258	10/07/2013	EC	
Committee draft report	PE522.765	11/11/2013	EP	
Amendments tabled in committee	PE524.725	06/12/2013	EP	
Committee report tabled for plenary, 1st reading/single reading	A7-0083/2014	11/02/2014	EP	Summary
Text adopted by Parliament, 1st reading/single reading	T7-0370/2014	15/04/2014	EP	Summary
Commission response to text adopted in plenary	SP(2014)471	09/07/2014	EC	
Follow-up document	SWD(2017)0338	06/10/2017	EC	
Follow-up document	SWD(2017)0339	06/10/2017	EC	

Additional information

National parliaments	IPEX
European Commission	EUR-Lex

Final act

[Regulation 2014/558](#)
[OJ L 169 07.06.2014, p. 0077](#) Summary

Clean Sky 2 Joint Undertaking for the implementation of the Joint Technology Initiative in aeronautics

PURPOSE: to prolong the Clean Sky Joint Undertaking in the field of aeronautics (Clean Sky 2).

PROPOSED ACT: Council Regulation.

ROLE OF THE EUROPEAN PARLIAMENT: the Council adopts the act after consulting the European Parliament but without being obliged to follow its opinion.

BACKGROUND: the framework programme for research and innovation [Horizon 2020](#) encourages public-private partnerships (PPP) in research and innovation with a view to tackling the major challenges facing Europe.

This proposal provides for a prolongation of the [Clean Sky](#) Joint Technology Initiative (JTI) in the field of aeronautics launched under the Seventh Framework Programme (2007-2013). The Clean Sky Joint Undertaking was established in 2007 in response to the need to curtail the environmental impact of growing air traffic and cut aircraft emissions. Its research programme focuses on these objectives with a delivery timeline of 2017.

Since its establishment, the Clean Sky has successfully stimulated developments towards the strategic environmental targets, as confirmed by the Interim Evaluation of the programme. Clean Sky has been successful in attracting extensive and wide-ranging participation by all key stakeholders, including a large number of SMEs.

With reference to aeronautics, a High Level Group on Aviation Research produced in 2011 a new vision for the European aviation sector, Flightpath 2050, following the objectives of Europe 2020 and the [Transport White Paper](#). It sets ambitious goals to reduce the environmental impact of air transport by 2050. Clean Sky contributes to this goal in Europe through advanced research and full-scale demonstration actions in green technology for air transport in line with the strategic research agenda identified, with the involvement of all public and private stakeholders.

The predicted traffic growth will lead to significant increases in emissions if no measures are taken and it is therefore urgent to drastically reduce air transport environmental impacts. The fragmentation and occasional overlapping of national programmes calls for a more effective action at EU level. In this context, the Clean Sky 2 Joint Undertaking should continue to support the Clean Sky research programme by extending the scope of its activities in the context of a modified set of rules.

IMPACT ASSESSMENT: the [Impact Assessment](#) concluded that the improved JU option, which takes on board the lessons learnt from the current Clean Sky JU operation, represents the best approach to reach the stated objectives of the R&D programme.

LEGAL BASIS: Articles 187 and Article 188 (first paragraph) of the Treaty on the Functioning of the European Union (TFEU).

CONTENT: the proposal seeks to create a joint undertaking in the field of aeronautics. It replaces and succeeds the previous Clean Sky JU launched in 2008 under the seventh framework programme and would capitalise on the results of the current programme and address novel technology areas. The Clean Sky 2 JU would run for a period running from 1 January 2014 to 31 December 2024.

The proposed initiative has the following objectives:

1. to contribute to the finalisation of research activities initiated under the Clean Sky Joint Technology Initiative and, in particular, the Smart, Green and Integrated Transport Challenge under the Societal Challenges pillar of the Council Decision establishing the Horizon 2020 Specific Programme;
2. to contribute to the objectives of the Joint Technology Initiative on Clean Sky 2, in particular to integrate, demonstrate and validate technologies capable of:
 - (a) increasing aircraft fuel efficiency thus reducing CO₂ emissions by 20 to 30 % compared to "state-of-the-art" aircraft entering into service as from 2014;
 - (b) reducing aircraft NO_x and noise emissions by 20 to 30 % compared to "state-of-the-art" aircraft entering into service as from 2014.

These objectives should be achieved by 2024.

BUDGETARY IMPLICATION: the maximum amount of EU contribution (including EFTA contribution) shall be EUR 1.8 billion in current prices. The maximum amount of Union contribution foreseen for operational costs shall be EUR 1760 million. The maximum amount of Union contribution foreseen for running costs shall be EUR 40 million.

Clean Sky 2 Joint Undertaking for the implementation of the Joint Technology Initiative in aeronautics

The Committee on Industry, Research and Energy adopted the report by Christian EHLER (EPP, DE) on the proposal for a Council regulation on the Clean Sky 2 Joint Undertaking.

Joint undertaking in the field of aeronautics: it is specified that the Joint Undertaking Clean Sky 2 should continue to support the research programme Clean Sky by implementing the remaining activities scheduled in the Clean Sky research programme under the rules of the Clean Sky Joint Undertaking.

In order to take account of the duration of the [Horizon 2020](#) Framework Programme for Research and Innovation (2014-2020), all calls for proposals shall be launched by 31 December 2020.

Scope of activities: Members wanted to clarify the scope of activities of the Clean Sky 2 Joint Undertaking, in particular with respect to the

relevant Technology Readiness Levels covered by its research programme. The Horizon 2020 Rules for Participation also called for a greater consideration of the TRL-concept to stipulate funding levels, which is taken up in this article with a view to the funding rates used in indirect actions.

Financial contribution: the maximum Union contribution, including contributions from countries of the European Free Trade Association (EFTA), to the Clean Sky 2 Joint Undertaking to cover administrative costs and operational costs should be EUR 1.71 billion (rather than EUR 1.8 billion in the Commission proposal).

The value of the additional activities should not be a substitute for the contributions to Clean Sky 2 and should not be matched by Union contributions. Members other than the Union who committed to additional activities should communicate updates on the fulfilment of their respective commitments and I report annually on their additional activities to the general public.

Evaluation: by 30 June 2017 the Commission shall organise an independent interim evaluation of the Joint Undertaking. The results of the independent interim evaluation of the Joint Undertaking should be taken into account in the interim evaluation of Horizon 2020.

In order to respond to unforeseen situations or to new developments and needs the Commission may, following the interim evaluation of Horizon 2020 review the budget of the Joint Undertaking within the annual budgetary procedure.

Duty to divulge information: the report contains a new provision stating that Members of the staff of the Joint Undertaking, the Executive Director, and members of the Governing Board shall, without delay, report such fraud as might have come to their knowledge in the performance of their duties or office in OLAF.

Participation: in accordance with the principles of transparency and non-discrimination, calls for proposals organised by the Clean Sky 2 Joint Undertaking should be published on the web-based Horizon 2020 Participant Portal.

Clean Sky 2 Joint Undertaking for the implementation of the Joint Technology Initiative in aeronautics

The European Parliament adopted by 568 votes to 81, with 25 abstentions, a legislative resolution on the proposal for a Council regulation on the Clean Sky 2 Joint Undertaking.

Parliament approved the Commission proposal subject to the following amendments:

Joint Undertaking in the field of aeronautics: for the implementation of the Joint Technology Initiative in aeronautics, Clean Sky 2 Joint Undertaking should be established until 31 December 2024. In order to take into account the duration of the [Horizon 2020](#) Framework Programme, calls for proposals under Clean Sky 2 shall be launched at the latest by 31 December 2020. In duly justified cases calls for proposals may be launched until 31 December 2021.

Scope of the activities: Parliament stated that the Joint Undertaking should contribute to:

- the finalisation of research activities initiated under Regulation (EC) No 71/2008;
- improving the environmental impact of the aeronautical technologies, including those relating to small aviation, as well as to developing a strong and globally competitive aeronautical industry and supply chain in Europe.

This should be realised through speeding up the development of cleaner air transport technologies for earliest possible deployment.

The Clean Sky 2 Joint Undertaking should seek to develop close interactions with the European Structural and Investment Funds (ESIF).

Financial contribution: Members proposed that the maximum Union contribution, including EFTA appropriations, to the Clean Sky 2 Joint Undertaking, to cover administrative costs and operational costs, should be EUR 1 755 million.

Each Leader and Core Partner of the Clean Sky 2 Joint Undertaking should make or arrange for its affiliated entities to make its respective contribution. The total contribution from all members should be of at least EUR 2 193.75 million.

The contribution includes in-kind contributions of at least EUR 965.25 million by the Leaders and Core Partners or their affiliated entities.

Openness and transparency: in order to facilitate participation, the calls for proposals launched by the Joint Undertaking should also be published on the single portal for participants as well as through other Horizon 2020 electronic means of dissemination managed by the Commission.

Discharge: in view of the specific nature and the current status of the Joint Undertakings, and in order to ensure continuity with the 7th Framework Programme, the Joint Undertakings should continue to be subject to a separate discharge.

Evaluation: by 30 June 2017, the Commission should carry out, with the assistance of independent experts, an interim evaluation of the Clean Sky 2 Joint Undertaking, and send a report to the European Parliament and to the Council by 31 December 2017. The results of the interim evaluation of the Joint Undertaking shall be taken into account in the interim evaluation of Horizon 2020.

Clean Sky 2 Joint Undertaking for the implementation of the Joint Technology Initiative in aeronautics

PURPOSE: to prolong the Clean Sky Joint Undertaking in the field of aeronautics (Clean Sky 2) in order to strengthen industrial research and innovation across the Union.

NON-LEGISLATIVE ACT: Council Regulation (EU) n° 558/2014 establishing the Clean Sky 2 Joint Undertaking.

CONTENT: the Framework Programme for Research and Innovation, [Horizon 2020](#), supports public-private partnerships in research and innovation in order that the Union might tackle certain key challenges.

This Regulation aims to establish a new Joint Undertaking (JU) for the implementation of the Joint Technology Initiative in aeronautics, for a period up to 31 December 2024.

Clean Sky 2 replaces the previous joint undertaking [Clean Sky](#), set up under the Seventh Framework Programme.

The Clean Sky Joint Undertaking achieved its objectives of stimulating new research within the framework of a public-private partnership, which enables long-term cooperation to take place among European aeronautical stakeholders.

The Clean Sky 2 JU is a body entrusted with the implementation of a public-private partnership. Its seat will be located in Brussels, Belgium.

In order to take into account the duration of [Horizon 2020](#), calls for proposals under the Joint Undertaking must be launched at the latest by 31 December 2020 (in duly justified cases, by 31 December 2021). Calls for proposals will be published on the single portal for participants as well as through other Horizon 2020 electronic means of dissemination managed by the Commission.

The rules for participation and dissemination of the Horizon 2020 programme will apply to the JU.

Objectives of the JU: the Clean Sky Joint Undertaking was set up for a period up to 31 December 2017. The Clean Sky 2 JU will provide continued support to the Clean Sky research programme by implementing the remaining actions. The JU will contribute to: (i) the implementation of Horizon 2020 and in particular the Smart, Green and Integrated Transport Challenge; (ii) improving the environmental impact of aeronautical technologies, including those relating to small aviation; (iii) developing a strong and globally competitive aeronautical industry and supply chain in Europe.

This can be realised through speeding up the development of cleaner air transport technologies for earliest possible deployment, and in particular the integration, demonstration and validation of technologies capable of:

- increasing aircraft fuel efficiency, thus reducing CO₂ emissions by 20 to 30 % compared to state-of-the-art aircraft entering into service as from 2014;
- reducing aircraft NO_x and noise emissions by 20 to 30 % compared to state-of-the-art aircraft entering into service as from 2014.

Clean Sky 2 JU should seek to develop close interactions with the European Structural and Investment Funds (ESIF).

Funding: the Union financial contribution to the JU shall come from Horizon 2020 and amount up to EUR 1 755 000 000. The members of the Clean Sky 2 Joint Undertaking other than the Union shall make a total contribution of at least EUR 2 193 750 000 of which in kind contributions will be at least EUR 965 250 000.

The Commission may terminate, proportionally reduce or suspend the Unions financial contribution to the JU or trigger the winding-up procedure if members other than the Union, including their constituent entities and affiliated entities, do not provide contributions.

The Regulation contains provisions that aim to ensure the protection of the financial interests of the Members.

The discharge for the implementation of the budget of the JU shall be given by the European Parliament, upon recommendation of the Council in accordance with the procedure provided for in the financial rules of the Clean Sky 2 JU.

Evaluation: by 30 June 2017 the Commission shall carry out, with the assistance of independent experts, an interim evaluation of the JU. It shall send that report to the European Parliament and to the Council by 31 December 2017. The results of the interim evaluation shall be taken into account in the interim evaluation of Horizon 2020.

Clean Sky 2 JUs mandate will end on 31 December 2024 and the JU will be wound up.

ENTRY INTO FORCE: 27.06.2014.