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2026/0294 (COD)

Proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

**amending Regulation (EU) 2016/1628 as regards the inclusion of hydrogen as a
reference fuel for the testing of an engine type or engine family**

{SWD(2026) 288 final}

(Text with EEA relevance)

EXPLANATORY MEMORANDUM

1. CONTEXT OF THE PROPOSAL

• Reasons for and objectives of the proposal

Hydrogen is an integral part of the European Union's strategy for achieving climate neutrality by 2050, as outlined in the EU Hydrogen Strategy¹. The strategy positions hydrogen as a versatile energy carrier capable of decarbonising sectors that are challenging to electrify. By promoting the production and use of renewable and clean hydrogen, the EU aims to scale hydrogen technologies, reduce dependency on fossil fuels, and propel sustainable economic growth. This vision is further supported by the REPowerEU plan², which aims to reduce dependency on fossil fuel imports and accelerate the transition to renewable energy sources, including clean hydrogen production and utilization across various sectors.

The potential of hydrogen to facilitate decarbonisation is acknowledged within the UNECE framework, where it is considered a viable fuel option for non-road mobile machinery (NRMM)³. This recognition highlights hydrogen's environmental benefits and its capacity to significantly lower emissions from NRMM engines. Despite this international acknowledgment, hydrogen is not listed as a reference fuel under Article 25 of Regulation (EU) 2016/1628. The absence of hydrogen in the regulatory framework limits the NRMM sector's ability to transition to more sustainable technologies, hindering the EU's goals of reducing carbon emissions and dependence on fossil fuels as outlined in the European Green Deal⁴. Without recognizing hydrogen as a reference fuel, the EU risks innovation and market entry for hydrogen-powered NRMM, thereby missing out on technological advancement opportunities.

Therefore the proposal aims at:

Closing the Regulatory Gap: The primary objective is to amend Regulation (EU) 2016/1628 to include hydrogen as a reference fuel, ensuring that EU regulations are consistent with international standards and aligned with the Union's environmental and climate objectives.

Facilitate Decarbonization and Enhance Energy Security: By incorporating hydrogen into the regulatory framework, the initiative supports the EU's strategy to reduce carbon emissions and achieve climate neutrality by 2050. It helps reduce reliance on fossil fuels and contributes to a resilient and sustainable energy system.

Stimulating Innovation and Industrial Competitiveness: Recognising hydrogen as a viable fuel encourages innovation within the NRMM sector, supporting research, development, and deployment of hydrogen technologies. It aligns EU regulations with UNECE standards, facilitating international trade and maintaining the competitiveness of EU manufacturers globally.

• Consistency with existing policy provisions in the policy area

Article 35 of Regulation (EU) 2016/1628 allows for exemptions for new technologies or new concepts, thereby paving the way for innovations to be integrated within the NRMM sector. A manufacturer may apply for an EU type-approval in respect of an engine type or engine family that incorporates new technologies or new concepts. Following the exemption granted

¹ COM(2020) 301 final

² COM(2022) 230 final

³ UNECE Regulation No. 96, Revision 04

⁴ COM(2019) 640 final

to the Netherlands under Article 35⁵, Article 36 obliges the Commission to take necessary steps to adapt the delegated and implementing acts to take account of these technological developments. The inclusion of hydrogen in the list of reference fuels is a precondition for the subsequent amendments to the delegated and implementing acts

- **Consistency with other Union policies**

The proposal is consistent with existing Union policies aimed at sustainability, climate action, and technological innovation.

The introduction of hydrogen as a fuel for NRMM is integral to advancing the EU's climate neutrality goals. The NRMM sector is significantly impacted by the Effort Sharing Regulation (ESR), which is the primary regulatory driver for their decarbonisation. The ESR mandates emissions reductions across non-ETS sectors, including transport, construction, agriculture, and inland navigation, facilitating compliance with EU-wide climate objectives.

The Clean Industrial Deal⁶ underscores the EU's commitment to transforming its industrial base as part of the Green Deal. By supporting the adoption of hydrogen technologies, the amendment aligns with the objective to transition industries towards low-carbon production processes, enhancing competitiveness and fostering sustainable growth. It also supports the EU Climate Law⁷, which makes climate neutrality by 2050 legally binding and sets a 2030 emissions-reduction target, by helping cut industrial emissions.

The proposal is fully aligned with the EU Hydrogen Strategy⁸, which positions hydrogen as a key energy carrier in the EU's path to climate neutrality. This strategy provides a framework for scaling up hydrogen production and utilisation across various sectors, including transport and industry, aligning with the EU's overarching climate objectives.

The amendment is in line with the EU Industrial Maritime Strategy⁹, where hydrogen as reference fuel for NRMM engines is specifically mentioned under Pillar IV - Access to Innovation.

The amendment is consistent with the Regulation on CO₂ emission standards for heavy duty vehicles¹⁰, which aim to reduce emissions from the transport sector and promote the uptake of zero and low emission vehicles, including hydrogen-powered vehicles. By enabling the use of existing technologies in the NRMM sector, the proposal ensures consistency in how decarbonisation is approached across different types of machinery and vehicles, promoting proven technology for emission reduction.

2. LEGAL BASIS, SUBSIDIARITY AND PROPORTIONALITY

- **Legal basis**

The legal basis for the proposal is Article 114 of the Treaty on the Functioning of the European Union (TFEU).

⁵ C(2025) 1153 final
⁶ COM(2025) 85 final
⁷ Regulation (EU) 2021/1119
⁸ COM(2020) 301 final
⁹ COM(2026) 111 final
¹⁰ Regulation (EU) 2019/1242

- **Subsidiarity (for non-exclusive competence)**

The NRMM market involves extensive transnational trade. Without a unified EU approach, disparate national regulations could lead to market fragmentation, creating technical barriers to trade and inefficiencies for businesses operating across multiple countries.

An EU-wide regulatory framework is essential to maintain a level playing field. This prevents fragmentation and facilitates the free movement of goods within the internal market.

The exclusion of hydrogen from the list of possible fuels for use in NRMM could impede technological innovation and delay the adoption of hydrogen technologies, counteracting shared EU environmental goals and market integration efforts.

- **Proportionality**

The proposal aligns EU regulations with already established international standards set by the UNECE.

The initiative does not impose additional costs or new administrative burdens on stakeholders, but it removes obstacles for the placing on the market of innovative new technologies that meet the requirements of international standards. This means any required adjustments are proportionate to the benefits of environmental sustainability and market competitiveness.

The proposal is designed to facilitate the EU's strategic goals in climate action and technological innovation without imposing unnecessary burdens on businesses or Member States. It is focused specifically on closing the regulatory gap in a way that supports the Union's broader decarbonization and sustainability objectives.

The proposal maintains proportionality and ensures that regulatory changes are necessary, suitable, and balanced relative to their anticipated benefits.

- **Choice of the instrument**

Once the Netherlands have been authorised to grant EU type-approval for hydrogen engines pursuant to Article 35, the Commission shall adapt the Regulations accordingly as laid down in Article 36 of the Regulation. However, the inclusion of new reference fuels like hydrogen is not included in the empowerments granted to the Commission. Therefore, an amendment to the existing regulation is the necessary instrument to achieve this alignment, ensuring regulatory coherence and harmonisation within the internal market.

3. RESULTS OF EX-POST EVALUATIONS, STAKEHOLDER CONSULTATIONS AND IMPACT ASSESSMENTS

- **Ex-post evaluations/fitness checks of existing legislation**

Not Applicable

- **Stakeholder consultations**

The elements of the proposal have been discussed with and supported by Member States and stakeholders at the NRMM expert group meetings in September 2024 and October 2025.

- **Collection and use of expertise**

The amendment is based on established international standards and testing expertise derived from UNECE Regulation No. 49¹¹ and the recent amendments to Regulation No. 96¹² for

¹¹ E/ECE/324/Rev.1/Add.48/Rev.8/Amend.2, E/ECE/TRANS/505/Rev.1/Add.48/Rev.8/Amend.2

¹² E/ECE/324/Rev.1/Add.95/Rev.4/Amend.1, E/ECE/TRANS/505/Rev.1/Add.95/Rev.4/Amend.1

mono- and dual-fuel engines, which recognise hydrogen as a potential fuel for NRMM engines. Additionally, the process follows the Article 35 procedure of Regulation (EU) 2016/1628, as demonstrated by the authorisation granted to the Netherlands to grant EU type-approval for a hydrogen mono-fuel engine¹³. The certification tests performed by the designated technical service verified compliance with the existing environmental protection standards.

- **Impact assessment**

The proposal does not require an impact assessment as it is aligned with the existing UNECE Regulation 96, which already recognises hydrogen as a potential fuel. The proposal follows the authorisation granted by the Commission to the Netherlands under Article 35 of the Regulation (EU) 2016/1628 to grant EU type-approval for a hydrogen mono-fuel engine based on extensive documentation. Article 36 of the Regulation stipulates that where the Commission authorises the granting of an exemption pursuant to Article 35, it should immediately take the steps necessary to adapt the delegated or implementing acts concerned to technological developments. Against this background no further impact assessment is necessary.

- **Regulatory fitness and simplification**

Not Applicable

- **Fundamental rights**

Not Applicable

4. BUDGETARY IMPLICATIONS

Not Applicable

5. OTHER ELEMENTS

- **Implementation plans and monitoring, evaluation and reporting arrangements**

Not Applicable

- **Detailed explanation of the specific provisions of the proposal**

The amendment makes two targeted changes to Regulation (EU) 2016/1628:

It adds hydrogen to the list of “reference fuels” used in the type-approval/emissions testing framework.

It removes a CO₂ information/reporting obligation where the engine is operated solely on hydrogen, because there is no CO₂ of fuel origin from combustion.

¹³ C(2025) 1153 final

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amending Regulation (EU) 2016/1628 as regards the inclusion of hydrogen as a reference fuel for the testing of an engine type or engine family

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to the proposal from the European Commission,

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

Having regard to the opinion of the European Economic and Social Committee¹,

Acting in accordance with the ordinary legislative procedure,

Whereas:

- (1) Regulation (EU) 2016/1628 of the European Parliament and of the Council² establishes emission limits for air pollutants from engines installed in non-road mobile machinery.
- (2) The Commission, by Implementing Decision C(2025) 1153 final³ of 25 February 2025 authorised the Netherlands under the exemption regime laid down in Article 35 of Regulation (EU) 2016/1628 to grant EU type-approval for a type of engine for non-road mobile machinery operating solely on hydrogen fuel. After the granting of that exemption hydrogen as a reference fuel should be included in Regulation (EU) 2016/1628 to ensure consistency and harmonisation across the Union.
- (3) In order to facilitate the market access and ensure the competitiveness of Union manufacturers in the global market, it is appropriate to align the Union's regulatory standards with UNECE Regulation No 96⁴, Revision 04, which includes hydrogen as reference fuel for non-road mobile machinery engines.

¹ OJ C [...], [...], p. [...]

² Regulation (EU) 2016/1628 of the European Parliament and of the Council of 14 September 2016 on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations (EU) No 1024/2012 and (EU) No 167/2013, and amending and repealing Directive 97/68/EC (OJ L 252, 16.9.2016, p. 53, ELI: <http://data.europa.eu/eli/reg/2016/1628/oj>).

³ C(2025) 1153 final, COMMISSION IMPLEMENTING DECISION of 25.2.2025 authorising the Netherlands to grant an EU type-approval for a type of engine for non-road mobile machinery running solely on hydrogen fuel

⁴ Regulation No 96 of the Economic Commission for Europe of the United Nations (UN/ECE) — Uniform provisions concerning the approval of compression ignition (C.I.) engines to be installed in

- (4) Engines operating solely on hydrogen do not emit carbon-dioxide of fuel origin during combustion. It is therefore appropriate to exempt manufacturers of hydrogen engines from the obligation to report CO₂ emissions as part of the type-approval process, thus simplifying regulatory requirements for that technology.
- (5) Regulation (EU) 2016/1628 should therefore be amended accordingly,

HAVE ADOPTED THIS REGULATION:

Article 1

Amendments to Regulation (EU) 2016/1628

1. Regulation (EU) 2016/1628 is amended as follows:
1. in Article 25(2), the first subparagraph, the following point is added:
‘(g) hydrogen.’;
2. in Article 43, paragraph 4 is replaced by the following:
‘4. Manufacturers shall make available to OEMs the value of the carbon dioxide (CO₂) emissions determined during the EU type-approval process and shall instruct the OEMs to communicate that information, together with explanatory information on the test conditions, to the end-user of the non-road mobile machinery in which the engine is intended to be installed. However, that value is not required for engines operated solely on hydrogen.’

Article 2

Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels,

For the European Parliament
The President
[...]

For the Council
The President
[...]

agricultural and forestry tractors and in non-road mobile machinery with regard to the emissions of pollutants by the engine (OJ L 88, 22.3.2014, p. 1, ELI: <http://data.europa.eu/eli/reg/2014/96/oj>).

LEGISLATIVE FINANCIAL AND DIGITAL STATEMENT

1. FRAMEWORK OF THE PROPOSAL/INITIATIVE

1.1. Title of the proposal/initiative

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

amending Regulation (EU) 2016/1628 as regards the inclusion of hydrogen as a reference fuel for the testing of an engine type or engine family

1.2. Policy area(s) concerned

The amendment to include hydrogen as a reference fuel for non-road mobile machinery (NRMM) in Regulation (EU) 2016/1628 primarily concerns several key policy areas:

Environmental and Climate Policy: The proposal aligns with the EU's broader environmental goals, particularly in terms of reducing emissions and mitigating climate change impacts. It supports initiatives like the European Green Deal, aiming to transform the EU into a sustainable economy with minimal net emissions of greenhouse gases.

Energy Policy: The inclusion of hydrogen fuel reflects the EU's strategic direction in diversifying energy sources and promoting renewable and clean energy technologies. This is consistent with the EU Hydrogen Strategy, which seeks to leverage hydrogen's potential as a versatile energy carrier.

Industrial Policy: By fostering the adoption of hydrogen technology, the proposal supports innovation and competitiveness within the EU's NRMM industrial sector. It encourages research and development, leading to technological advancements and the creation of new market opportunities in the NRMM sector.

Single Market Policy: The harmonization of standards across Member States is crucial for maintaining the integrity of the EU's internal market. The proposal facilitates the free movement of goods, reduces technical trade barriers, and ensures a level playing field for manufacturers and economic operators.

Health Policy: By reducing emissions of pollutants, such as nitrogen oxides and particulate matter, the proposal contributes to better air quality and public health outcomes, aligning with EU objectives to improve the well-being of its citizens.

These policy areas collectively support the EU's strategic objectives of sustainability, competitiveness, and market harmonization, reflecting an integrated approach to addressing environmental and economic challenges.

1.3. Objective(s)

1.3.1. General objective(s)

The general objective of amending Regulation (EU) 2016/1628 to include hydrogen as a reference fuel for internal combustion engines used in non-road mobile machinery (NRMM) is to close the existing regulatory gap between the current EU regulations and the international standards set by the UNECE, which already recognise hydrogen as a possible fuel option. This amendment promotes technological advancement and environmental sustainability within the NRMM sector by facilitating the transition to cleaner energy solutions. By addressing this regulatory alignment, the initiative ensures cohesion and consistency in the Union's

approach to climate change, innovation, and market harmonization, thereby supporting competitive advantage for EU manufacturers in global markets.

1.3.2. *Specific objective(s)*

Specific objective No. 1: Facilitate decarbonization, environmental sustainability, and enhancing energy security

Hydrogen is a recognised fuel in the EU's strategy to reduce carbon emissions and achieve climate neutrality by 2050. By including hydrogen into the regulatory framework for NRMM, this initiative contributes directly to the decarbonisation of a traditionally fossil-fuel-dependent sector.

Diversifying energy sources by including hydrogen helps reduce the EU's dependence on fossil fuels. Through initiatives like the EU Hydrogen Strategy, this move supports the development of a sustainable and secure energy system, contributing to the overall resilience of the EU's energy supply.

Specific objective 2: Stimulating Innovation and Industrial Competitiveness

By recognising hydrogen as a reference fuel, the amendment encourages innovation within the NRMM sector, stimulating research and development of new technologies. This initiative supports the objectives of the EU industrial strategy, which seeks to harness and advance new technological solutions.

The initiative ensures that EU regulations are harmonised with UNECE Regulation No. 96 Revision 04, fostering an integrated approach to NRMM and motor vehicle emissions regulations. This alignment is essential for facilitating international trade and maintaining the competitiveness of EU manufacturers on the global stage.

1.3.3. *Expected result(s) and impact*

Specify the effects which the proposal/initiative should have on the beneficiaries/groups targeted.

The proposal is expected to deliver significant benefits across multiple dimensions, supporting the EU's goals for climate neutrality, market integration, and global leadership in clean technology.

Specific impact 1: Environmental Impact

The use of hydrogen helps lower emissions of greenhouse gases and pollutants, contributing to improved air quality and supporting the EU's climate neutrality goals.

The initiative supports the transition to cleaner energy solutions, fostering a long-term shift towards sustainable industrial practices in the NRMM sector.

Specific impact 2: Economic Impact

EU manufacturers and suppliers along the NRMM value chain are expected to benefit from access to a harmonised regulatory framework that aligns with international standards, enhancing competitiveness in both domestic and global markets.

The regulation fosters technological innovation by promoting research and development of hydrogen technologies, potentially leading to new business opportunities, jobs, and growth within the green economy.

Specific impact 3: Market and Trade Impact

The initiative ensures that NRMM products can be seamlessly traded across EU Member States, reducing technical barriers and fostering a more integrated internal market.

Alignment with international standards facilitates smoother access to global markets, strengthening the EU's export potential.

Specific impact 4: Regulatory Impact

The amendment ensures consistent application of environmental regulations across Member States, reducing disparities and simplifying compliance processes for businesses.

It aligns with and reinforces broader EU policies, such as the European Green Deal and Hydrogen Strategy, by embedding these objectives into regulatory practice.

Specific impact 5: Stakeholder Impact

Manufacturers and suppliers will benefit from clear regulatory environment and harmonised NRMM emission regulations, which will enhance their competitiveness.

Citizens will experience indirect benefits through improved air quality and public health, as reduced emissions from NRMM contribute to a cleaner and healthier environment.

1.3.4. *Indicators of performance*

Specify the indicators for monitoring progress and achievements.

[...]

1.4. **The proposal/initiative relates to:**

- ☐ **a new action**
- ☐ **a new action following a pilot project/preparatory action**¹
- ☐ **the extension of an existing action**
- ☐ **a merger or redirection of one or more actions towards another/a new action**

1.5. **Grounds for the proposal/initiative**

1.5.1. *Requirement(s) to be met in the short or long term including a detailed timeline for roll-out of the implementation of the initiative*

[...]

1.5.2. *Added value of EU involvement (it may result from different factors, e.g. coordination gains, legal certainty, greater effectiveness or complementarities). For the purposes of this section 'added value of EU involvement' is the value resulting from EU action, that is additional to the value that would have been otherwise created by Member States alone.*

Reasons for action at EU level (ex-ante) [...]

Expected generated EU added value (ex-post) [...]

1.5.3. *Lessons learned from similar experiences in the past*

¹ As referred to in Article 58(2), point (a) or (b) of the Financial Regulation.

[...]

- 1.5.4. *Compatibility with the multiannual financial framework and possible synergies with other appropriate instruments*

[...]

- 1.5.5. *Assessment of the different available financing options, including scope for redeployment*

[...]

1.6. **Duration of the proposal/initiative and of its financial impact**

☐ **limited duration**

☐ in effect from [DD.MM]YYYY to [DD.MM]YYYY

☐ financial impact from YYYY to YYYY for commitment appropriations and from YYYY to YYYY for payment appropriations.

☐ **unlimited duration**

Implementation with a start-up period from YYYY to YYYY, followed by full-scale operation.

1.7. **Method(s) of budget implementation planned²**

☐ **Direct management** by the Commission

☐ by its departments, including by its staff in the Union delegations;

☐ by the executive agencies

☐ **Shared management** with the Member States

☐ **Indirect management** by entrusting budget implementation tasks to:

☐ third countries or the bodies they have designated;

☐ international organisations and their agencies (to be specified);

☐ the European Investment Bank and the European Investment Fund;

☐ bodies referred to in Articles 70 and 71 of the Financial Regulation;

☐ public law bodies;

☐ bodies governed by private law with a public service mission to the extent that they are provided with adequate financial guarantees;

☐ bodies governed by the private law of a Member State that are entrusted with the implementation of a public-private partnership and that are provided with adequate financial guarantees;

² Details of budget implementation methods and references to the Financial Regulation may be found on the BUDGpedia site: <https://myintracomm.ec.europa.eu/corp/budget/financial-rules/budget-implementation/Pages/implementation-methods.aspx>.

- ☐ bodies or persons entrusted with the implementation of specific actions in the common foreign and security policy pursuant to Title V of the Treaty on European Union, and identified in the relevant basic act
- ☐ bodies established in a Member State, governed by the private law of a Member State or Union law and eligible to be entrusted, in accordance with sector-specific rules, with the implementation of Union funds or budgetary guarantees, to the extent that such bodies are controlled by public law bodies or by bodies governed by private law with a public service mission, and are provided with adequate financial guarantees in the form of joint and several liability by the controlling bodies or equivalent financial guarantees and which may be, for each action, limited to the maximum amount of the Union support.

Comments

[...]

2. **MANAGEMENT MEASURES**

2.1. **Monitoring and reporting rules**

[...]

2.2. **Management and control system(s)**

2.2.1. *Justification of the budget implementation method(s), the funding implementation mechanism(s), the payment modalities and the control strategy proposed*

[...]

2.2.2. *Information concerning the risks identified and the internal control system(s) set up to mitigate them*

[...]

2.2.3. *Estimation and justification of the cost-effectiveness of the controls (ratio between the control costs and the value of the related funds managed), and assessment of the expected levels of risk of error (at payment & at closure)*

[...]

2.3. **Measures to prevent fraud and irregularities**

[...]

3. ESTIMATED FINANCIAL IMPACT OF THE PROPOSAL/INITIATIVE

3.1. Heading(s) of the multiannual financial framework and expenditure budget line(s) affected

Existing budget lines

In order of multiannual financial framework headings and budget lines.

Heading of multiannual financial framework	Budget line	Type of expenditure	Contribution			
	Number	Diff./Non-diff. ¹	from EFTA countries ²	from candidate countries and potential candidates ³	from other third countries	other assigned revenue
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO

New budget lines requested

¹ Diff. = Differentiated appropriations / Non-diff. = Non-differentiated appropriations.

² EFTA: European Free Trade Association.

³ Candidate countries and, where applicable, potential candidates from the Western Balkans.

In order of multiannual financial framework headings and budget lines.

Heading of multiannual financial framework	Budget line	Type of expenditure	Contribution			
	Number	Diff./non-diff.	from EFTA countries	from candidate countries and potential candidates	from other third countries	other assigned revenue
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO
	[XX.YY.Y Y.YY]	Diff./Non-diff.	YES/NO	YES/NO	YES/NO	YES/NO

3.2. Estimated financial impact of the proposal on appropriations

3.2.1. Summary of estimated impact on operational appropriations

- ☐ The proposal/initiative does not require the use of operational appropriations
- ☐ The proposal/initiative requires the use of operational appropriations, as explained below:

3.2.1.1. Appropriations from voted budget

EUR million (to three decimal places)

Heading of multiannual financial framework	Number	
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DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000
	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ⁴							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000
	Payments	(2a)					0.000

⁴ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ⁵							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL operational appropriations	Commitments	(4)	0.000	0.000	0.000	0.000	0.000
	Payments	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an administrative nature financed from the envelope for specific programmes		(6)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under HEADING <....> of the multiannual financial framework	Commitments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payments	=5+6	0.000	0.000	0.000	0.000	0.000
Heading of multiannual financial		Number					

⁵ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

framework							
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000
	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ⁶							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b +3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000

⁶ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ⁷							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b +3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL operational appropriations	Commitments	(4)	0.000	0.000	0.000	0.000	0.000
	Payments	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an administrative nature financed from the envelope for specific programmes		(6)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under HEADING <....> of the multiannual financial framework	Commitments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payments	=5+6	0.000	0.000	0.000	0.000	0.000

⁷ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL operational appropriations (all operational headings)	Commitments	(4)	0.000	0.000	0.000	0.000	0.000
	Payments	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an administrative nature financed from the envelope for specific programmes (all operational headings)		(6)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations Under Heading 1 to 6 of the multiannual financial framework (Reference amount)	Commitments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payments	=5+6	0.000	0.000	0.000	0.000	0.000
Heading of multiannual financial framework		7	‘Administrative expenditure’ ⁸				
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Human resources			0.000	0.000	0.000	0.000	0.000
Other administrative expenditure			0.000	0.000	0.000	0.000	0.000
TOTAL DG <.....>	Appropriations		0.000	0.000	0.000	0.000	0.000
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027

⁸ The necessary appropriations should be determined using the annual average cost figures available on the appropriate BUDGpedia webpage.

Human resources		0.000	0.000	0.000	0.000	0.000
Other administrative expenditure		0.000	0.000	0.000	0.000	0.000
TOTAL DG <.....>	Appropriations	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under HEADING 7 of the multiannual financial framework	(Total commitments = Total payments)	0.000	0.000	0.000	0.000	0.000

EUR million (to three decimal places)

		Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL appropriations under HEADINGS 1 to 7 of the multiannual financial framework	Commitments	0.000	0.000	0.000	0.000	0.000
	Payments	0.000	0.000	0.000	0.000	0.000

3.2.1.2. Appropriations from external assigned revenues

EUR million (to three decimal places)

Heading of multiannual financial framework	Number					
DG: <.....>	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027	
Operational appropriations						

Budget line	Commitments	(1a)					0.000
	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ⁹							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000

⁹ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ¹⁰							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commitments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payments	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL operational appropriations	Commitments	(4)	0.000	0.000	0.000	0.000	0.000
	Payments	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an		(6)	0.000	0.000	0.000	0.000	0.000

¹⁰ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

administrative nature financed from the envelope for specific programmes							
TOTAL appropriations under HEADING <....> of the multiannual financial framework	Commitments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payments	=5+6	0.000	0.000	0.000	0.000	0.000
Heading of multiannual financial framework		Number					
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commitments	(1a)					0.000
	Payments	(2a)					0.000
Budget line	Commitments	(1b)					0.000
	Payments	(2b)					0.000

Appropriations of an administrative nature financed from the envelope of specific programmes ¹¹							
Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commit ments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payment s	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
DG: <.....>			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Operational appropriations							
Budget line	Commit ments	(1a)					0.000
	Payment s	(2a)					0.000
Budget line	Commit ments	(1b)					0.000
	Payment s	(2b)					0.000
Appropriations of an administrative nature financed from the envelope of specific programmes ¹²							

¹¹ Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

Budget line		(3)					0.000
TOTAL appropriations for DG <.....>	Commit ments	=1a+1b+3	0.000	0.000	0.000	0.000	0.000
	Payment s	=2a+2b+3	0.000	0.000	0.000	0.000	0.000
			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
TOTAL operational appropriations	Commit ments	(4)	0.000	0.000	0.000	0.000	0.000
	Payment s	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an administrative nature financed from the envelope for specific programmes		(6)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under HEADING <....> of the multiannual financial framework	Commit ments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payment s	=5+6	0.000	0.000	0.000	0.000	0.000
			Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027

¹² Technical and/or administrative assistance and expenditure in support of the implementation of EU programmes and/or actions (former 'BA' lines), indirect research, direct research.

TOTAL operational appropriations (all operational headings)	Commitments	(4)	0.000	0.000	0.000	0.000	0.000
	Payments	(5)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations of an administrative nature financed from the envelope for specific programmes (all operational headings)		(6)	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under Headings 1 to 6 of the multiannual financial framework (Reference amount)	Commitments	=4+6	0.000	0.000	0.000	0.000	0.000
	Payments	=5+6	0.000	0.000	0.000	0.000	0.000
Heading of multiannual financial framework		7			'Administrative expenditure' ¹³		

EUR million (to three decimal places)

DG: <.....>	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Human resources	0.000	0.000	0.000	0.000	0.000
Other administrative expenditure	0.000	0.000	0.000	0.000	0.000

¹³ The necessary appropriations should be determined using the annual average cost figures available on the appropriate BUDGpedia webpage.

TOTAL DG <.....>	Appropriations	0.000	0.000	0.000	0.000	0.000
DG: <.....>		Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
Human resources		0.000	0.000	0.000	0.000	0.000
Other administrative expenditure		0.000	0.000	0.000	0.000	0.000
TOTAL DG <.....>	Appropriations	0.000	0.000	0.000	0.000	0.000
TOTAL appropriations under HEADING 7 of the multiannual financial framework		(Total commit ments = Total payme nts)	0.000	0.000	0.000	0.000

EUR million (to three decimal places)

		Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021- 2027
TOTAL appropriations under HEADINGS 1 to 7 of the multiannual financial framework	Commitments	0.000	0.000	0.000	0.000	0.000
	Payments	0.000	0.000	0.000	0.000	0.000

3.2.2. *Estimated output funded from operational appropriations (not to be completed for decentralised agencies)*

Commitment appropriations in EUR million (to three decimal places)

Indicate objective s and outputs ↓			Year 2024	Year 2025	Year 2026	Year 2027	Enter as many years as necessary to show the duration of the impact (see Section 1.6)										TOTAL	
	OUTPUTS																	
	Type ¹⁴	Average cost	No	Cost	No	Cost	No	Cost	No	Cost	No	Cost	No	Cost	No	Cost	Total No	Total Cost
SPECIFIC OBJECTIVE No 1 ¹⁵ : [...]																		
- Output																		
- Output																		
- Output																		
Subtotal for specific objective No 1																		

¹⁴ Outputs are products and services to be supplied (e.g.: number of student exchanges financed, number of km of roads built, etc.).

¹⁵ As described in point 1.4.2. 'Specific objective(s)...

SPECIFIC OBJECTIVE No 2 ...																		
- Output																		
Subtotal for specific objective No 2																		
TOTALS																		

3.2.3. *Summary of estimated impact on administrative appropriations*

- ☐ The proposal/initiative does not require the use of appropriations of an administrative nature
- ☐ The proposal/initiative requires the use of appropriations of an administrative nature, as explained below:

3.2.3.1. *Appropriations from voted budget*

VOTED APPROPRIATIONS	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
HEADING 7					
Human resources	0.000	0.000	0.000	0.000	0.000
Other administrative expenditure	0.000	0.000	0.000	0.000	0.000
Subtotal HEADING 7	0.000	0.000	0.000	0.000	0.000
Outside HEADING 7					

Human resources	0.000	0.000	0.000	0.000	0.000
Other expenditure of an administrative nature	0.000	0.000	0.000	0.000	0.000
Subtotal outside HEADING 7	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000

3.2.3.2. *Appropriations from external assigned revenues*

EXTERNAL ASSIGNED REVENUES	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
HEADING 7					
Human resources	0.000	0.000	0.000	0.000	0.000
Other administrative expenditure	0.000	0.000	0.000	0.000	0.000
Subtotal HEADING 7	0.000	0.000	0.000	0.000	0.000
Outside HEADING 7					
Human resources	0.000	0.000	0.000	0.000	0.000
Other expenditure of an administrative nature	0.000	0.000	0.000	0.000	0.000
Subtotal outside HEADING 7	0.000	0.000	0.000	0.000	0.000

TOTAL	0.000	0.000	0.000	0.000	0.000
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3.2.3.3. *Total appropriations*

TOTAL VOTED APPROPRIATIONS + EXTERNAL ASSIGNED REVENUES	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027
HEADING 7					
Human resources	0.000	0.000	0.000	0.000	0.000
Other administrative expenditure	0.000	0.000	0.000	0.000	0.000
Subtotal HEADING 7	0.000	0.000	0.000	0.000	0.000
Outside HEADING 7					
Human resources	0.000	0.000	0.000	0.000	0.000
Other expenditure of an administrative nature	0.000	0.000	0.000	0.000	0.000
Subtotal outside HEADING 7	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000

The appropriations required for human resources and other expenditure of an administrative nature will be met by appropriations from the DG that are already assigned to management of the action and/or have been redeployed within the DG, together, if necessary, with

any additional allocation which may be granted to the managing DG under the annual allocation procedure and in the light of budgetary constraints.

3.2.4. *Estimated requirements of human resources*

- ☐ The proposal/initiative does not require the use of human resources
- ☐ The proposal/initiative requires the use of human resources, as explained below

3.2.4.1. *Financed from voted budget*

Estimate to be expressed in full-time equivalent units (FTEs) ¹⁶

VOTED APPROPRIATIONS	Year 2024	Year 2025	Year 2026	Year 2027
Establishment plan posts (officials and temporary staff)				
20 01 02 01 (Headquarters and Commission's Representation Offices)	0	0	0	0
20 01 02 03 (EU Delegations)	0	0	0	0
01 01 01 01 (Indirect research)	0	0	0	0
01 01 01 11 (Direct research)	0	0	0	0
Other budget lines (specify)	0	0	0	0
External staff (in FTEs)				
20 02 01 (AC, END from the 'global envelope')	0	0	0	0

¹⁶ Please specify below the table how many FTEs within the number indicated are already assigned to the management of the action and/or can be redeployed within your DG and what are your net needs.

20 02 03 (AC, AL, END and JPD in the EU Delegations)		0	0	0	0
Admin. support line [XX.01.YY.YY]	- at Headquarters	0	0	0	0
	- in EU Delegations	0	0	0	0
01 01 01 02 (AC, END - Indirect research)		0	0	0	0
01 01 01 12 (AC, END - Direct research)		0	0	0	0
Other budget lines (specify) - Heading 7		0	0	0	0
Other budget lines (specify) - Outside Heading 7		0	0	0	0
TOTAL		0	0	0	0

3.2.4.2. *Financed from external assigned revenues*

EXTERNAL ASSIGNED REVENUES	Year 2024	Year 2025	Year 2026	Year 2027
Establishment plan posts (officials and temporary staff)				
20 01 02 01 (Headquarters and Commission's Representation Offices)	0	0	0	0
20 01 02 03 (EU Delegations)	0	0	0	0
01 01 01 01 (Indirect research)	0	0	0	0
01 01 01 11 (Direct research)	0	0	0	0
Other budget lines (specify)	0	0	0	0

External staff (in full time equivalent units)				
20 02 01 (AC, END from the global envelope)		0	0	0
20 02 03 (AC, AL, END and JPD in the EU Delegations)		0	0	0
Admin. support line [XX.01.YY.YY]	- at Headquarters	0	0	0
	- in EU Delegations	0	0	0
01 01 01 02 (AC, END - Indirect research)		0	0	0
01 01 01 12 (AC, END - Direct research)		0	0	0
Other budget lines (specify) - Heading 7		0	0	0
Other budget lines (specify) - Outside Heading 7		0	0	0
TOTAL		0	0	0

3.2.4.3. *Total requirements of human resources*

TOTAL VOTED APPROPRIATIONS + EXTERNAL ASSIGNED REVENUES	Year 2024	Year 2025	Year 2026	Year 2027
Establishment plan posts (officials and temporary staff)				
20 01 02 01 (Headquarters and Commission's Representation Offices)	0	0	0	0
20 01 02 03 (EU Delegations)	0	0	0	0

01 01 01 01 (Indirect research)		0	0	0	0
01 01 01 11 (Direct research)		0	0	0	0
Other budget lines (specify)		0	0	0	0
External staff (in full time equivalent units)					
20 02 01 (AC, END from the global envelope)		0	0	0	0
20 02 03 (AC, AL, END and JPD in the EU Delegations)		0	0	0	0
Admin. support line [XX.01.YY.YY]	- at Headquarters	0	0	0	0
	- in EU Delegations	0	0	0	0
01 01 01 02 (AC, END - Indirect research)		0	0	0	0
01 01 01 12 (AC, END - Direct research)		0	0	0	0
Other budget lines (specify) - Heading 7		0	0	0	0
Other budget lines (specify) - Outside Heading 7		0	0	0	0
TOTAL		0	0	0	0

The staff required to implement the proposal (in FTEs):

	To be covered by current staff available in the Commission services	Exceptional additional staff*
--	--	--------------------------------------

		To be financed under Heading 7 or Research	To be financed from BA line	To be financed from fees
Establishment plan posts			N/A	
External staff (CA, SNEs, INT)				

Description of tasks to be carried out by:

Officials and temporary staff	
External staff	

3.2.5. **Overview of estimated impact on digital technology-related investments**

Compulsory: the best estimate of the digital technology-related investments entailed by the proposal/initiative should be included in the table below.

Exceptionally, when required for the implementation of the proposal/initiative, the appropriations under Heading 7 should be presented in the designated line.

The appropriations under Headings 1-6 should be reflected as "Policy IT expenditure on operational programmes". This expenditure refers to the operational budget to be used to re-use/ buy/ develop IT platforms/ tools directly linked to the implementation of the initiative and their associated investments (e.g. licences, studies, data storage etc). The information provided in this table should be consistent with details presented under Section 4 "Digital dimensions".

TOTAL Digital and IT appropriations	Year 2024	Year 2025	Year 2026	Year 2027	TOTAL MFF 2021-2027

HEADING 7					
IT expenditure (corporate)	0.000	0.000	0.000	0.000	0.000
Subtotal HEADING 7	0.000	0.000	0.000	0.000	0.000
Outside HEADING 7					
Policy IT expenditure on operational programmes	0.000	0.000	0.000	0.000	0.000
Subtotal outside HEADING 7	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000

3.2.6. *Compatibility with the current multiannual financial framework*

The proposal/initiative:

- ☐ can be fully financed through redeployment within the relevant heading of the multiannual financial framework (MFF).
- ☐ requires use of the unallocated margin under the relevant heading of the MFF and/or use of the special instruments as defined in the MFF Regulation.
- ☐ requires a revision of the MFF.

3.2.7. *Third-party contributions*

The proposal/initiative:

- ☐ does not provide for co-financing by third parties
- ☐ provides for the co-financing by third parties estimated below:

Appropriations in EUR million (to three decimal places)

	Year 2024	Year 2025	Year 2026	Year 2027	Total
Specify the co-financing body					
TOTAL appropriations co-financed					

3.3. **Estimated impact on revenue**

- ☐ The proposal/initiative has no financial impact on revenue.
- ☐ The proposal/initiative has the following financial impact:
 - ☐ on own resources
 - ☐ on other revenue
 - ☐ please indicate, if the revenue is assigned to expenditure lines

EUR million (to three decimal places)

Budget revenue line:	Appropriations available for the current financial year	Impact of the proposal/initiative ¹			
		Year	Year	Year	Year

¹ As regards traditional own resources (customs duties, sugar levies), the amounts indicated must be net amounts, i.e. gross amounts after deduction of 20% for collection costs.

		2024	2025	2026	2027
Article					

For assigned revenue, specify the budget expenditure line(s) affected.

[...]

Other remarks (e.g. method/formula used for calculating the impact on revenue or any other information).

[...]

4. **DIGITAL DIMENSIONS**

4.1. **Requirements of digital relevance**

If the policy initiative is assessed as having no requirement of digital relevance, provide an explanation as to why digital means are not used.

The proposal has no digital relevance, as it does not introduce any digital obligations, technologies, or data-related requirements. Its sole purpose is to add hydrogen as a reference fuel under Regulation (EU) 2016/1628, thereby enabling the type-approval of hydrogen-fuelled NRMM engines within the existing regulatory framework. The measure is optional in effect, creating a regulatory possibility rather than imposing new technical or digital requirements.

Otherwise, please list the requirements of digital relevance in the table below:

Reference to the requirement	Requirement description	Actor(s) affected or concerned by the requirement	High-level Processes	Categories

4.2. Data

High-level description of the data in scope and any related standards/specifications

Type of data	Reference to the requirement(s)	Standard and/or specification (if applicable)
Type of data #1		
Type of data #2		

Alignment with the European Data Strategy

Explain how the requirement(s) are aligned with the European Data Strategy

[...]

Alignment with the once-only principle

Explain how the once-only principle has been considered and how the possibility to reuse existing data has been explored

[...]

Explain how newly created data is findable, accessible, interoperable and reusable, and meets high-quality standards

[...]

Data flows

For each data flow, please fill the table below:

Type of data	Reference(s) to the requirement(s)	Actor who provides the data	Actor who receives the data	Trigger for the data exchange	Frequency (if applicable)
--------------	------------------------------------	-----------------------------	-----------------------------	-------------------------------	---------------------------

Type of data #1					
Type of data # 2					

4.3. Digital solutions

For each digital solution, please provide the reference to the requirement(s) of digital relevance concerning it, a description of the digital solution's mandated functionality, the body that will be responsible for it, and other relevant aspects such as reusability and accessibility. Finally, explain whether the digital solution intends to make use of AI technologies.

Digital solution	Reference(s) to the requirement(s)	Main mandated functionalities	Responsible body	How accessibility is catered for?	How reusability is considered?	Use of AI technologies (if applicable)
Digital solution #1						
Digital solution #2						

For each digital solution, explain how the digital solution complies with the requirements and obligations of the EU cybersecurity framework, and other applicable digital policies and legislative enactments (such as eIDAS, Single Digital Gateway, etc.).

Digital solution #1

Digital and/or sectorial policy (when these are applicable)	Explanation on how it aligns
<i>AI Act</i>	
<i>EU Cybersecurity framework</i>	
<i>eIDAS</i>	
<i>Single Digital Gateway and IMI</i>	
<i>Others</i>	

Digital solution #2

Digital and/or sectorial policy (when these are applicable)	Explanation on how it aligns
<i>AI Act</i>	
<i>EU Cybersecurity framework</i>	
<i>eIDAS</i>	
<i>Single Digital Gateway and IMI</i>	
<i>Others</i>	

4.4. Interoperability assessment

Describe the digital public service(s) affected by the requirements

Digital public service or category of digital public services	Description	Reference(s) to the requirement(s)	Interoperable Europe Solution(s) (NOT APPLICABLE)	Other interoperability solution(s)
Digital public service #1				
Category of digital public services according to COFOG ² #1				

Assess the impact of the requirement(s) on cross-border interoperability

Digital public service #1

Assessment	Measure(s)	Potential remaining barriers (if applicable)
Alignment with existing digital and sectorial policies. Please list the applicable digital and sectorial policies identified	Digital or sectorial policy #1 Digital or sectorial policy #2 Digital or sectorial policy #3	Barrier #1 Barrier #2 <i>Barrier #3</i>
Organisational measures for a smooth cross-border digital public services delivery. Please list the governance measures foreseen	Governance measure #1 Governance measure #2 <i>Governance measure #3</i>	Barrier #1 Barrier #2 <i>Barrier #3</i>
Measures taken to ensure a shared	Measure #1 Measure #2 <i>Measure #3</i>	Barrier #1 Barrier #2 <i>Barrier #3</i>

²

<https://op.europa.eu/en/web/eu-vocabularies/concept-scheme/-/resource?uri=http://data.europa.eu/7yx/cofog>

understanding of the data. Please list such measures		
Use of commonly agreed open technical specifications and standards. Please list such measures	Measure #1 Measure #2 <i>Measure #3</i>	Barrier #1 Barrier #2 <i>Barrier #3</i>

4.5. **Measures to support digital implementation**

For each measure to support digital implementation, please fill in the table below

Description of the measure	Reference(s) to the requirement(s)	Commission role (if applicable)	Actors to be involved (if applicable)	Expected timeline (if applicable)
Measure #1				
Measure #2				
Measure #3				