

Targeted stakeholder consultation based on the Staff Working Document “For a resilient, sustainable and digital aerospace and defence industrial ecosystem: Scenarios for a transition pathway”

Fields marked with * are mandatory.

Introduction

The update of the EU Industrial Strategy highlights the need to accelerate the green and digital transitions of the EU Industry. Among the various instruments, the Commission proposed to co-create, in partnership with industry, public authorities, social partners and other stakeholders, transition pathways for ecosystems, where needed. The Aerospace and Defence (ASD) ecosystem was identified among those ecosystems to develop such a transition pathway.

The Commission services have prepared a Staff Working Document to outline possible scenarios for a transition pathway for a more resilient, sustainable and digital aerospace and defence ecosystem. Through collaborative efforts, the aim is to co-create concrete actions and commitments with all stakeholders of this ecosystem to step up its green and digital transition and strengthen its resilience.

Based on the results of the survey, the Commission will organise further meetings with stakeholders to deepen the discussions towards finalising the ASD ecosystem transition pathway by the end of 2023.

You are invited to provide feedback on the Staff Working Document through this online survey that will run until 15 October 2023.

In case of questions about this consultation, please send an email to EU-ASD-PATHWAY-2030@ec.europa.eu.

About you

* Language of my contribution

- Bulgarian
- Croatian
- Czech
- Danish
- Dutch
- English

- Estonian
- Finnish
- French
- German
- Greek
- Hungarian
- Irish
- Italian
- Latvian
- Lithuanian
- Maltese
- Polish
- Portuguese
- Romanian
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- Slovenian
- Spanish
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* I am giving my contribution as

- Academic/research institution
- Business association
- Company/business
- Consumer organisation
- EU citizen
- Environmental organisation
- Non-EU citizen
- Non-governmental organisation (NGO)
- Public authority
- Trade union
- Other

* First name

* Surname

* Email (this won't be published)

* Scope

- International
- Local
- National
- Regional

* Level of governance

- Local Authority
- Local Agency

* Level of governance

- Parliament
- Authority
- Agency

* Organisation name

255 character(s) maximum

* Organisation size

- Micro (1 to 9 employees)
- Small (10 to 49 employees)
- Medium (50 to 249 employees)
- Large (250 or more)

Transparency register number

255 character(s) maximum

Check if your organisation is on the [transparency register](#). It's a voluntary database for organisations seeking to influence EU decision-making.

* Country of origin

Please add your country of origin, or that of your organisation.

This list does not represent the official position of the European institutions with regard to the legal status or policy of the entities mentioned. It is a harmonisation of often divergent lists and practices.

- Afghanistan
- Åland Islands
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- Algeria
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- Andorra
- Angola
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- Antarctica
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Djibouti
- Dominica
- Dominican Republic
- Ecuador
- Egypt
- El Salvador
- Equatorial Guinea
- Eritrea
- Estonia
- Eswatini
- Ethiopia
- Falkland Islands
- Faroe Islands
- Fiji
- Finland
- France
- French Guiana
- French Polynesia
- French Southern and Antarctic Lands
- Gabon
- Georgia
- Germany
- Ghana
- Libya
- Liechtenstein
- Lithuania
- Luxembourg
- Macau
- Madagascar
- Malawi
- Malaysia
- Maldives
- Mali
- Malta
- Marshall Islands
- Martinique
- Mauritania
- Mauritius
- Mayotte
- Mexico
- Micronesia
- Moldova
- Monaco
- Mongolia
- Montenegro
- Montserrat
- Saint Martin
- Saint Pierre and Miquelon
- Saint Vincent and the Grenadines
- Samoa
- San Marino
- São Tomé and Príncipe
- Saudi Arabia
- Senegal
- Serbia
- Seychelles
- Sierra Leone
- Singapore
- Sint Maarten
- Slovakia
- Slovenia
- Solomon Islands
- Somalia
- South Africa
- South Georgia and the South Sandwich Islands
- South Korea
- South Sudan
- Spain
- Sri Lanka

- Benin
- Bermuda
- Bhutan

- Bolivia
- Bonaire Saint Eustatius and Saba
- Bosnia and Herzegovina
- Botswana
- Bouvet Island
- Brazil
- British Indian Ocean Territory
- British Virgin Islands
- Brunei
- Bulgaria

- Burkina Faso
- Burundi

- Cambodia

- Cameroon
- Canada
- Cape Verde
- Cayman Islands

- Central African Republic
- Chad
- Chile

- Gibraltar
- Greece
- Greenland

- Grenada
- Guadeloupe

- Guam

- Guatemala
- Guernsey
- Guinea
- Guinea-Bissau

- Guyana

- Haiti
- Heard Island and McDonald Islands
- Honduras
- Hong Kong

- Hungary

- Iceland
- India
- Indonesia
- Iran

- Iraq

- Ireland
- Isle of Man

- Morocco
- Mozambique
- Myanmar/Burma

- Namibia
- Nauru

- Nepal

- Netherlands
- New Caledonia
- New Zealand
- Nicaragua

- Niger

- Nigeria
- Niue

- Norfolk Island
- Northern Mariana Islands
- North Korea
- North Macedonia
- Norway
- Oman
- Pakistan

- Palau

- Palestine
- Panama

- Sudan
- Suriname
- Svalbard and Jan Mayen
- Sweden
- Switzerland

- Syria

- Taiwan
- Tajikistan
- Tanzania
- Thailand

- The Gambia

- Timor-Leste
- Togo

- Tokelau
- Tonga

- Trinidad and Tobago
- Tunisia
- Türkiye
- Turkmenistan
- Turks and Caicos Islands
- Tuvalu

- Uganda
- Ukraine

- China
- Christmas Island
- Clipperton
- Cocos (Keeling) Islands
- Colombia
- Comoros
- Congo
- Cook Islands
- Costa Rica
- Côte d'Ivoire
- Croatia
- Cuba
- Curaçao
- Cyprus
- Czechia
- Democratic Republic of the Congo
- Denmark
- Israel
- Italy
- Jamaica
- Japan
- Jersey
- Jordan
- Kazakhstan
- Kenya
- Kiribati
- Kosovo
- Kuwait
- Kyrgyzstan
- Laos
- Latvia
- Lebanon
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- Liberia
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- Pitcairn Islands
- Poland
- Portugal
- Puerto Rico
- Qatar
- Réunion
- Romania
- Russia
- Rwanda
- Saint Barthélemy
- Saint Helena
Ascension and
Tristan da Cunha
- Saint Kitts and Nevis
- Saint Lucia
- United Arab Emirates
- United Kingdom
- United States
- United States
Minor Outlying
Islands
- Uruguay
- US Virgin Islands
- Uzbekistan
- Vanuatu
- Vatican City
- Venezuela
- Vietnam
- Wallis and Futuna
- Western Sahara
- Yemen
- Zambia
- Zimbabwe

The Commission will publish all contributions to this public consultation. You can choose whether you would prefer to have your details published or to remain anonymous when your contribution is published. **For the purpose of transparency, the type of respondent (for example, 'business association', 'consumer association', 'EU citizen') country of origin, organisation name and size, and its transparency register number, are always published. Your e-mail address will never be published.** Opt in to select the privacy option that best suits you. Privacy options default based on the type of respondent selected

* Contribution publication privacy settings

The Commission will publish the responses to this public consultation. You can choose whether you would like your details to be made public or to remain anonymous.

Anonymous

The type of respondent that you responded to this consultation as, your country of origin and your contribution will be published as received. Your name will not be published. Please do not include any personal data in the contribution itself.

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Your name, the type of respondent that you responded to this consultation as, your country of origin and your contribution will be published.

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Anonymous

Only organisation details are published: The type of respondent that you responded to this consultation as, the name of the organisation on whose behalf you reply as well as its transparency number, its size, its country of origin and your contribution will be published as received. Your name will not be published. Please do not include any personal data in the contribution itself if you want to remain anonymous.

Public

Organisation details and respondent details are published: The type of respondent that you responded to this consultation as, the name of the organisation on whose behalf you reply as well as its transparency number, its size, its country of origin and your contribution will be published. Your name will also be published.

I agree with the [personal data protection provisions](#)

Consultation questions

You are invited to reflect on the different issues and possible output scenarios for 2030 presented in the Staff Working Document for the key dimensions of Resilience, Sustainability and Digitalisation. You may choose which questions you answer and leave others empty. Please propose specific actions and targets.

Quantifiable evidence is very much welcome.

Resilience

Please read and reflect on the issues and scenarios proposed in the **Section 5** of the Staff Working Document.

1. What are the main challenges to ensure the resilience of the aerospace and defence industry in your specific sector and country? Do you see areas not addressed above?

2000 character(s) maximum

2. Could you provide any data or analysis to illustrate these challenges?

2000 character(s) maximum

3. What measures or solutions to these challenges would you propose beyond those outlined?

2000 character(s) maximum

4. What commitments are you, as stakeholder, ready to make to achieve the necessary resilience?

2000 character(s) maximum

5. What should be the actions, roles and responsibilities to reach the objectives for the Commission, Member States / Regions, Industry and other stakeholders?

2000 character(s) maximum

6. How do you evaluate the current conditions for stakeholders to provide the necessary information on critical dependencies within EU supply chains, ranging from raw materials to electronic components and technologies?

2000 character(s) maximum

7. Are the conditions set for industry to meet the technological challenges of designing, developing testing and producing hydrogen-powered and electric aircraft, including challenges associated with their subsequent roll-out? Is the market ready for the uptake of these technologies?

2000 character(s) maximum

8. European end-users are still largely relying on non-EU technologies for chips. Thanks to EU investments, valuable European alternatives with similar performance exist (e.g. European programmable semiconductors known as FPGAs; application-specific microchips known as ASICs). On that basis, do you foresee an increased use of non-dependent and unrestricted EU technology, for example in space missions addressing institutional needs?

2000 character(s) maximum

Greener economy

Please read and reflect on the issues and scenarios proposed in the **Section 6** of the Staff Working Document.

9. Is the ASD ecosystem on the right track for the green transition?

2000 character(s) maximum

10. What are the main challenges of the green transition of the ASD ecosystem in your specific sector and country? Could you provide any data or analysis to illustrate these challenges? What ways forward/solutions would you propose?

2000 character(s) maximum

11. How can the sector-specific ASD challenges be addressed? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

12. What technologies should be prioritised to achieve a more sustainable ASD ecosystem? And what technologies could be commonly used by the three sectors contributing to the ASD ecosystem?

2000 character(s) maximum

13. Which barriers exist to the adoption of new green technologies?

2000 character(s) maximum

14. What are the specific challenges of the green transition for ASD SMEs? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

15. Can you identify already existing projects or good practices to drive the green transition of the ASD sector?

2000 character(s) maximum

16. Have you set specific targets and milestones for the green transition in your area of activity? Based on your data, how far are you from achieving your goals? What are the challenges you foresee?

2000 character(s) maximum

17. How can synergies be ensured between actions and with the work described as part of digital transformation and resilience?

Digitalisation

Please read and reflect on the issues and scenarios proposed in the **Section 7** of the Staff Working Document.

18. Is the ASD ecosystem on the right track for the digital transition?

2000 character(s) maximum

19. What are the main challenges of the digital transition of the ASD ecosystem in your specific sector and country? Could you provide any data or analysis to illustrate these challenges? What ways forward/solutions would you propose?

2000 character(s) maximum

20. Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

21. Have you set specific targets and milestones for the digital transition in your area of activity? Based on your data, how far are you from achieving your goals? What are the challenges you foresee?

2000 character(s) maximum

22. What are the specific challenges of the digital transition for ASD SMEs? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

23. Can you identify already existing projects or good practices to drive the digital transition of the ecosystem?

2000 character(s) maximum

24. How will the level of digitalisation develop in the area of aerospace and defence industry to increase competitiveness in relation to the main challenges identified?

2000 character(s) maximum

25. What technologies should be prioritised to achieve a greener and more sustainable ASD ecosystem?

2000 character(s) maximum

26. What technologies could be commonly used by the three sectors of the ASD ecosystem?

2000 character(s) maximum

27. Which barriers exist to the adoption of new digital technologies?

2000 character(s) maximum

Horizontal and cross-cutting issues

Please read and reflect on the issues and scenarios proposed in the **Section 8** of the Staff Working Document.

Skills

28. What are the implications of the green and digital transition for the main skills requirements and training needs in the ASD ecosystem?

2000 character(s) maximum

29. What are the main challenges of the skills transition of the ASD ecosystem in your specific sector and country? Could you provide any data or analysis to illustrate these challenges?

2000 character(s) maximum

30. What ways forward/solutions would you propose? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

31. Would you have any examples of initiatives or good practices in relation with the skills transition to share, including at national, regional and local level?

2000 character(s) maximum

32. Have you set specific targets and milestones for the skills transition in your area of activity? Based on your data, how far are you from achieving your goals? What are the challenges you foresee?

2000 character(s) maximum

33. What are the specific challenges of the skills transition for ASD SMEs? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

34. How do you envisage the development of the Pact for Skills for the ASD ecosystem? How can different stakeholders contribute to the Pact for Skills?

2000 character(s) maximum

35. Which technologies/skills needed are common for the three sectors, and which are really sector- or subsector-specific?

2000 character(s) maximum

36. What would be the best way to anticipate the future long-term skills needs?

2000 character(s) maximum

37. How can the sector become more inclusive to take advantage of the diversity in society?

2000 character(s) maximum

38. Based on the actions described above, are there any additional segment/sub-sector that would need to be further analysed?

2000 character(s) maximum

Investment and Financing

39. Based on information and data available to you, how do you see the role of the private sector for the transition of the ecosystem?

2000 character(s) maximum

40. What are the main challenges for private investments in the ASD ecosystem? Could you provide any data or analysis to illustrate these challenges? Are there specificities with regard to aerospace and defence?

2000 character(s) maximum

41. What ways forward/solutions would you propose? Which steps are you and other actors taking to address them? Where do you see the action gaps? What role could relevant authorities and stakeholders play in addressing these challenges in the future?

2000 character(s) maximum

42. Do you see the need for any additional actions to accompany the transition of the ASD sector to meet the sustainability standards?

2000 character(s) maximum

43. Do you have any recommendations to address the specificities of the ASD sector within EU's sustainable finance initiative (ie. EU Taxonomy, SFDR, CSDR...)?

2000 character(s) maximum

Other comments

- What other comments would you like to give?

2000 character(s) maximum

- You may upload any relevant documents here

Only files of the type pdf,txt,doc,docx,odt,rtf are allowed

Background Documents :

Staff Working Document SWD(2023)5119

Contact :

EU-ASD-PATHWAY-2030@ec.europa.eu