*Call for Expression of Interest*

**IN ORBIT DEMONSTRATION/VALIDATION**

 **“READY TO FLY” IOD/IOV SATELLITES**

***Application Package***

**Part I: Application and Compliance Matrix**

*The application should not exceed 30 pages.*

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| * 1. **Name of the proposed actions**
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| * 1. **Applicant: Entity(ies) making the proposal and type (e.g. individual, consortium, industry, research centre, university)**
 |
| Name of organisation(s) (“ready to fly” IOD/IOV satellite provider) |  |
| Country (ies) |  |
| Person(s)[[1]](#footnote-1) responsible for implementation |  |
| Phone(s) |  |
| Email(s) |  |

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| * 1. **Executive summary**
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| * 1. **Objective of the proposed “ready to fly” IOD/IOV satellite**
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| * 1. **Themes** *(e.g. Earth observation, Telecommunication, Navigation, Space Science, Technology, Space environment, quantum, connectivity)*
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| * 1. **Justification of the need for IOD/IOV** *Explain the necessity of the flight demonstration with respect to other options on ground and/or in space.*

*Provide an overview of the exploitation plan following the launch.* |
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| * 1. **Previous space application/heritage of the proposed IOD/IOV mission**
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| * 1. **Funding plan of the “ready to fly” IOD/IOV satellite up to flight model delivery and associated tasks**

*Detailed description of the* “ready to fly” IOD/IOV satellite *funding plan in terms of:** *funding for development, including amount, date of availability of funds and remaining conditional clauses, if any, for the obtaining of these funds,*
* *risk margin for, inter alia, potential additional qualification requirement, funding party(ies) demonstrated by letter(s) of intent)*
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| * 1. **Detailed development plan**

*Describe the development activities and related planning from the current status up to flight model delivery including* * *Design,*
* *Remaining development activities,*
* *Models definition and manufacturing (Engineering Model, etc.),*
* *Tests and qualification status up to flight readiness (Manufacturing Assembly Integration Testing/ Validation plan).*

*An associated risk log should be included if any significant risk still remains with the development and schedule.* |
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| * 1. **Policy relevance***Describe the relevance of the proposed IOD/IOV mission with respect to EU/ ESA activities*
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| * 1. **Complementarity**

*Describe how your* “ready to fly” IOD/IOV satellite *is complementary to other existing/ planned actions within EU, ESA, EU Member States/ associated countries or industry and consistent with Union and ESA technology programs and trends.* |
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| * 1. **Detailed description of the “ready to fly” IOD/IOV satellite and justified compliance with launcher interfaces**
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| 1. **Functional description of the “ready to fly” IOD/IOV satellite**

*Provide general functional description of the “ready to fly” IOD/IOV satellite.* 1. **Technical presentation of the “ready to fly” IOD/IOV satellite**

*Present the technical specifications, components and technologies existing or to be developed, sources of supply, maturity level.*1. **Engineering drawings of the “ready to fly” IOD/IOV satellite**

*Provide the engineering drawing of the* “ready to fly” IOD/IOV satellite *and, for Cubesats, present the compatibility with Cubesat standards;**Indicate the required volume including all appendages, baffles etc.*1. **Total mass of the “ready to fly” IOD/IOV satellite; mass breakdown and margins**

*Provide the overall mass of the* “ready to fly” IOD/IOV satellite *including possible appendages, brackets, thermal hardware etc.*1. **“Ready to fly” IOD/IOV satellite Mechanical Interfaces**

*Indicate current mechanical qualification approach and environment.* 1. **Launcher interface requirements**

*Describe your satellite interface requirements with European launchers.*1. **Additional environment requirements**

*Describe any requirement beyond the following typical environment (e.g. contamination and cleanliness requirements, magnetic cleanliness, etc.)* |
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| * 1. **Mission needs***Describe:*
* *acceptable orbit range and local time(s), (typical orbits can be found on the respective European launcher user manuals),*
* *compatibility with applicable legislation,*
* *other specific needs as applicable*
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| * 1. **Innovation** *Describe the innovative character of the proposed* “ready to fly” IOD/IOV satellite *in terms of:*
* *European technology non-dependence, and*
* *Industrial competitiveness and related commercial prospects (business case following IOD/IOV opportunity), or*
* *Scientific breakthrough and related scientific application and/or exploitation.*
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| * 1. **Please use this space to provide any other comments or additional information.**
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| * 1. **Compliance matrix***Please provide a declaration of compliance to the constraints and requirements listed in §9 (Constraints and Requirements) of this document. Please provide rationale in case of partial and non- compliance.*
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| * 1. **Signature of organisation/partnership representatives:**
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| The signature certifies that the provided data result from the entity's commitments. In addition, the entity engages itself to inform immediately the Commission (by email to DEFIS-IOD-IOV@ec.europa.eu if any changes occur.At any stage of the “ready to fly” IOD/IOV satellite development, the entity may be requested to provide additional information to the Commission if necessary. |
| Name |
| Position |
| Date |

**Part II: Commitment on Flight Model delivery and Launch Service Co-funding**

The undersigned, ………………………, in my capacity as……………………..confirm the availability of the funding required for the Flight Model development and delivery within one year following this application.

I also confirm the ability to co-fund the associated launch service in line with Chapter 9 of this call, for the In orbit Demonstration/ Validation (IOD/IOV) “ready to fly” satellite …………………….

I acknowledge that failure to comply with the timely delivery of the Flight Model, as indicated in the planning, and co-funding for the associated launch service may result in an exclusion of the “ready to fly” IOD/IOV satellite from this initiative.

Date ………………

Place ………………

Signature ………………

**Part III: Declaration of honour on exclusion criteria and absence of conflict of interest**

*(To be filled out by the applicant and signed by its legal representative.)*

I, the undersigned:

 for natural persons: in my own name

or

 for legal persons[[2]](#footnote-2): representing the following entity:

[**insert full official name**]

[insert full official address]

[insert VAT registration number]

**hereby confirm**

that (subject to the additional declarations below):

1 — The **information** provided for action[**insert project number**] **—** [**acronym**] is **correct** and **complete**.

2 — The information concerning the legal status in the [Participant Register](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register) for me/my organisation is correct and complete.

3 — I/my organisation commit to comply[[3]](#footnote-3) with the **eligibility** criteria and all other conditions set out in the call conditions — for the entire duration of the action.

4 — I/my organisation:

* are committed to participate in the action
* have stable and sufficient sources of funding to maintain the activities throughout the action and to provide any counterpart funding necessary
* have or will have the necessary resources needed to implement the action
* acknowledge to be fully responsible for my affiliated entities which participate in the action
* for actions involving EU classified information (EUCI): acknowledge that any sensitive information or material that qualifies as EU classified information under Commission Decision [2015/444](http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:JOL_2015_072_R_0011&qid=1427204240846&from=EN)[[4]](#footnote-4) must be handled in accordance with specific rules and follow the instructions given by the EU

5 — For applicants from non-EU countries: I/my organisation

* undertake to comply with the obligations under the agreement and to:
* respect generalprinciples (including fundamental rights, values and ethical principles, environmental and labour standards, rules on classified information, intellectual property rights, visibility of funding and protection of personal data)

6 — I/my organisation:

* are NOT subject to an **administrative sanction** (i.e. exclusion or financial penalty decision)[[5]](#footnote-5)

I/my organisation (or persons with unlimited liability for debts):

* are NOT in one of the following **exclusion situations**[[6]](#footnote-6):
	+ - * **bankrupt**, being wound up, having the affairs administered by the courts, entered into an arrangement with creditors, suspended business activities or subject to any other similar proceedings or procedures
		- in breach of **social security** or **tax** obligations

I/my organisation (or persons having powers of representation, decision-making or control, beneficial owners or persons who are essential for the award/implementation of the action):

* are NOT in one of the following **exclusion situations**[[7]](#footnote-7):
	+ - guilty of grave professional **misconduct**[[8]](#footnote-8)
		- committed fraud, corruption, links to a **criminal** organisation, money laundering, terrorism-related crimes (including terrorism financing), child labour or human trafficking
	+ shown significant deficiencies in complying with main obligations under an **EU** procurement **contract**, grant agreement, prize, expert contract, or similar
	+ guilty of **irregularities** within the meaning of Article 1(2) of Regulation No 2988/95
	+ created under a different jurisdiction with the intent to circumvent fiscal, social or other legal obligations in the country of origin (including creation of another entity with this purpose).

7 — I/my organisation are NOT subject to a **conflict of interest** in connection with this Call and will notify — without delay — any situation which could give rise to a conflict of interests.

8 — I/my organisation have NOT and will NOT, neither directly nor indirectly, grant, seek, obtain or accept any advantage in connection with this Call that would constitute an illegal practice or involve **corruption**.

9 — I/my organisation have **not received** any **other EU grant** for the same purpose and will give notice of any future EU grants related to this actionAND of any EU operating grant(s)[[9]](#footnote-9) given to my organisation.

10 — I/my organisation are aware that **false declarations** may lead to rejection, suspension, termination of the action.

SIGNATURE

For the applicant

[function/forename/surname]

[electronic signature]

Done in [English] on [electronic time stamp]

**Part IV – Legal Entity**

Please download the relevant form from: <https://ec.europa.eu/info/publications/legal-entities_en>

1. Where the application is being made by a group, one lead person should be identified. [↑](#footnote-ref-1)
2. This includes ‘entities without legal personality’ under Article 197(2) of Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council of 18 July 2018 on the financial rules applicable to the general budget of the Union, amending Regulations (EU) No 1296/2013, (EU) No 1301/2013, (EU) No 1303/2013, (EU) No 1304/2013, (EU) No 1309/2013, (EU) No 1316/2013, (EU) No 223/2014, (EU) No 283/2014, and Decision No 541/2014/EU and repealing Regulation (EU, Euratom) No 966/2012 (‘[EU Financial Regulation](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32018R1046&qid=1535046024012)’) (OJ L 193, 30.7.2018, p. 1). [↑](#footnote-ref-2)
3. ‘Commit to comply’ means complying now and for the duration of the grant. [↑](#footnote-ref-3)
4. See Commission Decision 2015/544/EU,Euratom of 13 March 2015 on the security rules for protecting EU classified information (OJ L 72, 17.3.2015, p. 53). [↑](#footnote-ref-4)
5. See Article 136 [EU Financial Regulation](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32018R1046&qid=1535046024012). [↑](#footnote-ref-5)
6. See Articles 136 and 141 [[EU Financial Regulation](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32018R1046&qid=1535046024012)n](https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018R1046&qid=1535027117240&from=EN). [↑](#footnote-ref-6)
7. See Articles 136 and 141 [[EU Financial Regulation](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32018R1046&qid=1535046024012)](https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018R1046&qid=1535027117240&from=EN). [↑](#footnote-ref-7)
8. Professional misconduct includes: violation of ethical standards of the profession, wrongful conduct with impact on professional credibility, false declarations/misrepresentation of information, participation in a cartel or other agreement distorting competition, violation of IPR, attempting to influence decision-making processes or obtain confidential information from public authorities to gain an advantage. [↑](#footnote-ref-8)
9. See Article 180 [EU Financial Regulation](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32018R1046&qid=1535046024012). [↑](#footnote-ref-9)