ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Υπουργείο Ψηφιακής Διακυβέρνησης και Τεχνητής Νοημοσύνης
Γενική Γραμματεία Τηλεπικοινωνιων και Ταχυδρομείων

HSC HELLENIC SPACE CENTER

Request for Proposals (RFP)

for In-Orbit Demonstration (IoD)/ In-Orbit Validation (IoV) Missions/Payloads

Date of Issue: 24/07/2026

Request for Proposals (RFP) outline

Reference	**RFP for In-Orbit Demonstation (IoD)/ In-Orbit Validation (IoV) Missions/Payloads**
Issuing body	Ministry of Digital Governance & AI
Status	Request for Proposals — non-procurement, non-binding, exploratory
Submission deadline	**15 September 2026**
Contact	rfi@hsc.gov.gr
Confidentiality	Submissions treated as confidential within the framework of this Call
Date of Issue	24/07/2026
Version	1.0

Disclaimer:

This document is a Request for Proposals. It is exploratory, preparatory and non-binding. It does not constitute a procurement, a grant award, a payload selection process, a funding commitment, a flight opportunity, or any other implementation commitment by the Ministry of Digital Governance & AI, by any commercial provider or by any other party. MODG reserves the right to amend, suspend, extend or withdraw this Call at any time, without obligation to applicants.

1. Introduction

The Ministry of Digital Governance & AI (MODG), acting through the General Secretariat of Telecommunications and Post of the Hellenic Republic and Hellenic Space Center (HSC), is launching a national Call for Proposals to identify and map Greek technological and industrial capabilities relevant to the next iterations of national IoD/IoV opportunities.

This Call does not constitute a commitment or guarantee of flight opportunities, payload selection, funding, procurement, launch, certification, or integration. It aims to identify realistic, impactful and operationally credible concepts, the related mission design and operational constraints that will lead to a more successful ITT process in consequent phases.

2. Proposed Mission/Payload Technical Scope

Proposing entities are invited to anchor their project proposals to the National Space Strategy. While proposals should fundamentally reflect and advance the individual entity's commercial, technical, or scientific roadmap to maximize commercial extroversion and technological growth, a strong alignment with the national strategic framework will be essential.

2.1 National Strategic Priorities

Proposing entities should seek to map their technology concepts to the core national strategic pillars defined within the official National Space Strategy. These objectives serve as the qualitative framework for national space prioritization over the next decade:

- **Support of Citizen Everyday Life:** Leveraging space infrastructure, satellite imagery, and localized downstream processing layers to optimize state administrative performance, enhance regional management, and modernize daily public services for citizens.
- **Development of the National Space Economy, Innovation, and Entrepreneurship:** Driving private and public technology investments, commercializing research outputs, establishing high-growth space startups, and supporting small and medium aerospace enterprises (SMEs) to anchor themselves in international value chains.
- **Promotion of Scientific Excellence and Brain Gain:** Creating long-term technical research pathways, enhancing space-qualification testing infrastructure, and generating highly technical employment opportunities locally to attract and repatriate prominent Greek scientists and engineers from global institutions.
- **Deployment of Capabilities for Sovereign Security, Defense, and Civil Protection:** Developing autonomous space hardware, secure communication networks, and localized observation channels that respond to tactical defense guidelines, national security criteria & resilience and emergency response parameters.

3. Information to be Provided by Proposing Entities

To ensure a rigorous technical and strategic review, submitted detailed proposals must provide comprehensive information covering the following specific requirements:

- **Technical Scope of the Proposition:** A detailed system architecture description outlining the payload's technical objectives, innovativeness relative to state-of-the-art, and the specific rationale explaining why orbital flight is strictly necessary to validate the technology.
- **Industrial & Research Heritage:** A clear declaration of the proposing consortium's prior heritage, highlighting high-fidelity prototypes, past environmental testing, and standard cleanroom operational experience.
- **Industrial Participation, Consortium and Local Content:** The proposed Greek industrial participation, including the share of total contract value (percentage and value) and a breakdown by consortium member and major activity. The location of key program activities, including design, development, system integration, assembly, integration and testing (AIT). A list of proposed suppliers/subcontractors, indicating their role, location, and estimated workshare or contract value. A geo-return analysis detailing the distribution of program expenditure and industrial benefits within Greece.
- **Technology Readiness Level (TRL) Verification:** A robust justification of the technology's current maturity. While early conceptual designs must show a baseline of TRL 4 (component functional verification in a laboratory environment), advanced systems must verify their TRL 5 or TRL 6 status by declaring available laboratory/ demonstration data.
  Important Note: While this RFP is open to project concepts with at least TRL 4, proposing entities should demonstrate a clear and fast track of TRL advancement that will result in a credible IoV or IoD mission.
- **Strategic Business & Investment Potential:** A commercialization path detailing how flight heritage directly enhances the entity's commercial scalability. This must include an outline of projected export potential within international markets, proposed business models, potential to attract private co-investment capital and proposed co-funding of the activity.
- **Expected Impact:** Proposals must show how this project ties with their declared technology or scientific roadmap and business plan (if applicable), how it advances it and what entity-wide, business, science, technology or societal impacts are expected.
- **Schedule & Cost:** Provide a clear description of Work Packages and their respective schedules and associated costs.
- **Identified Risks:** Provide a comprehensive risk registry and identify expected management, technology or procurement challenges. Provide list of long lead items and expected procurements outside the European Economic Area.
- **Greek Ecosystem Clause:** This RFP is intended for the Greek Space Ecosystem.

3.1 Proposed Mission Architecture & Engineering Rationale

Proposing entities must describe the exact mission architecture and concept of operations they have in mind to optimize the performance and survivability of their payload. The program does not enforce predefined options, templates, or strict resource envelopes; instead, respondents must outline and technically justify their intended deployment scheme—whether it details a dedicated micro-satellite/CubeSat configuration, a hosted platform carrier arrangement, or an active orbital transfer vehicle interface, —mapping it directly back to engineering constraints. Applications should fully justify in case of an end-to-end mission proposal, why not a hosted payload scheme cannot serve the IoV/IoD scope and concept of operations.

3.2 Technical Specifications

To facilitate accurate technical sizing and engineering feasibility review, proposing entities are required to complete and supply all technical resource parameters detailed in Table 1 below, specifying the unique physical, electrical, and data environments demanded by their specific payload configuration.

Table 1: Technical Specifications to be provided

Resource / Operational Parameter	Data Specifications and Engineering Rationale Required from Proposer
Envisioned Mission Architecture	Specify the exact full architectural layout envisioned (e.g., Dedicated CubeSat or SmallSat, Hosted Platform, OTV Carrier) and justify why this scheme is mandated by the technology if such requirements exist. Specify if the concept payload can be hosted in a CubeSat or other IoV/IoD platform (and its required minimum specifications).
Envisioned Concept of Operations	Specify the exact full concept of operations of the mission, preferred orbital regime or orbital regime transition sequence and compliance with established Launch Vehicles and OTVs.
Total Mass Profile	Specify the precise estimated mass (kg) of the integrated payload unit, detailing dry mass boundaries and wet mass (if localized propulsion applies).
Volume	Provide exact physical packed dimensions (X x Y x Z mm) required for launch stowing and operational deployment configurations. Specify expected protrusions or deployment mechanisms.
Electrical Power Budget	Quantify expected Peak Power (W), Average Power (W), and Standby Power (W) metrics, including required voltage bus lines (e.g., 5V, 12V, 28V DC) and orbital duty cycles.

Platform & Manual Interaction	Detail any expected manual interaction time, handling dependencies, or human-in-the-loop operational requirements. Specify the payload's level of autonomy.
Thermal Control & Dissipation	Provide the active thermal dissipation profile (W), operational temperature bounds, and declare any constraints regarding temperature-conditioned transport during launch or download phases.
Data Links & Telemetry Rate	Specify the preferred physical data interface protocol (e.g., SpaceWire, CAN bus, I2C, RS-422), raw data generation volume per orbit, data link budget and onboard storage requirements
Pointing & Orientation Vectors	Detail any Attitude Determination and Control System (ADCS) pointing precision needs, target alignment vectors, or specific sensor Fields of View (FoV) required for operation.
Environmental Sensitivities	Declare any material outgassing limits, cosmic radiation shielding requirements, magnetic isolation bounds, or cleanroom contamination hazards.
Estimated Project Budget	Provide a detailed project budget projection detailing costs for equipment acquisition, AIT, operations and post-flight data analysis. Exclude launch and carrier integration costs. Clearly distinguish between payload and platform or other costs.
Data Protection	Specify the level of projected data protection that will be required both for TMTC and payload data generation. Will the payload require an isolated TMTC/data uplink/downlink path, or can it be shared potentially with other payloads?

4. Submission Guidelines

4.1 Response Structure & Format

Detailed proposals submitted in response to this RFP must be written in English and submitted as a single, consolidated PDF file. The primary concept description should ideally not exceed 1 page. The size of the main proposal must not exceed 15 pages. The full proposal including all supporting technical diagrams, heritage reports, and relevant annexes cannot exceed 30 pages. All text should follow standard font size, margins and spacing.

4.2 Intellectual Property & Data Retention

Proposing entities retain absolute ownership over their pre-existing background intellectual property (Background IP). The submission of data under this exploratory RFP framework does not constitute any transfer of technology rights or patent access to the Ministry of Digital Governance or the Hellenic Space Center. Personal data submitted within the framework will be handled securely and processed solely for the administration, assessment, and follow-up of this Call in

absolute accordance with the General Data Protection Regulation (GDPR - Regulation (EU) 2016/679) and applicable national privacy laws.

4.3 Deadline for Submission

Full electronic proposals must be formally sent to the email address **rfi@hsc.gov.gr** by **September 15th, 2026, at 23:59 EEST**. Submissions received past this date may not be included in the assessment.

If any clarifications are required, please contact **rfi@hsc.gov.gr.**