

A satellite view of Earth at night, showing a dense network of city lights across the continent of Europe. The Earth's curvature is visible at the top, with a thin blue and green atmospheric layer. A portion of a satellite is visible in the upper right corner.

# Azores International Satellite Launch Program





**2<sup>ND</sup> PHASE**  
M A R C H • 2 0 1 9

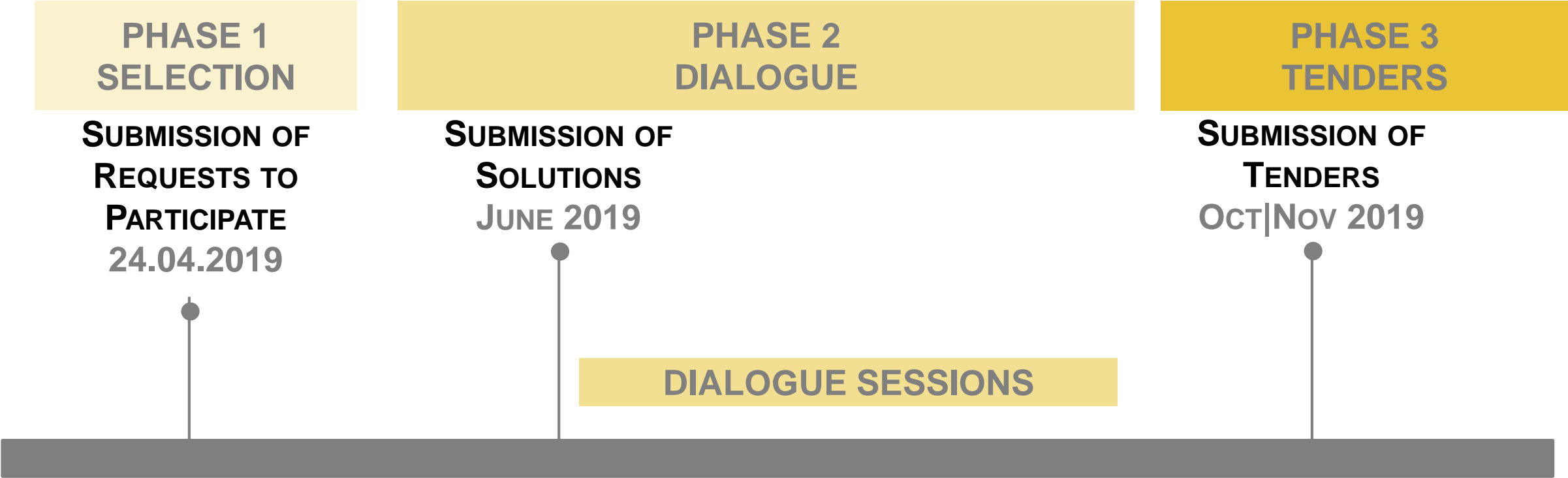
## AZORES INTERNATIONAL SATELLITE LAUNCH PROGRAMME:

Launch services to Space from the Island of Santa Maria, Azores (PT)

Launched by The Regional Government of Azores with the technical assistance of the Portuguese Space Agency, PORTUGAL SPACE, in coordination with the technical support of the European Space Agency

**Enable access to Space from the Azores, in order to develop space activities in Portugal and enable a new generation of launch services for future markets worldwide – public and private alike**

# Milestones | Tentative Calendar



# Purpose of the Procedure

**Azores ISLP**

## Phase II

- Most suited Solution for Contracting Authority and market interests;
- Technical resources required;
- Clauses for future contract



**HLR-01** The Spaceport is to be built on the **island of Santa Maria**

**HLR-02** Space Activities from the Spaceport are **to start in 2021**

**HLR-03** Space Services are to be **mainly** dedicated to the launch of **small satellites**

**HLR-04** The Spaceport is to be an **Open Spaceport**

**HLR-05** The Spaceport and Space Services are to be **economically self-sustainable and profitable, environmentally friendly, and safe and secure**

**HLR-06** The **creation of an industrial and scientific cluster boosting the industry** and local R&D contributing to the harnessing of skilled resources in Portugal, notably from the Autonomous Region of the Azores, is **to be promoted**.

**HLR-07** The **development of other activities**, including but not limited to scientific research in connection with aeronautical, aerospace and meteorological matters, as well as potential business activities, is **to be promoted**.

### HLR-08

**Compliance with laws and regulations**, including technical regulations, pertaining to safety and security, is to be guaranteed, with a view to ensuring (i) the protection of persons, property and the environment against damage of all kinds and (ii) that the launch vehicles in no circumstance create significant risk in inhabited/populated areas and that the areas for return or fall of parts or of the space object are uninhabited areas.



### HLR-09

All **licenses and authorizations required**, including all environmental licenses and authorizations, and, in particular, an environmental impact or nuisance assessment, are to be obtained. In addition, all minimization, mitigation or environmental offset measures that may be required by the proper authorities or that may be deemed necessary are to be adopted. Environmental queries shall be addressed to the Regional Directorate for Environment (“Direção Regional do Ambiente”).

### HLR-10

The **required Spaceport's infrastructure** is to include, but is not limited to:

- Infrastructures for the receipt, inspections and storage of launch vehicles;
- Infrastructures for the processing of the launch vehicle(s) and its/their payload, where they may be assembled, integrated, tested, repaired, evaluated, stored and certified for operation or destruction, as well as for recovery and reconditioning;
- Infrastructures for the storage, use and disposal of fuel, toxic or hazardous materials;
- Mission control centre;
- .....

### HLR-11

For the **Operation of the Spaceport** the following is to be provided as a minimum:

- Spaceport's operation, administration and maintenance;
- Security;
- Telecommunication services;
- Utilities and Heating, ventilation, and air conditioning (HVAC);
- Transportation networks comprised in the Spaceport; and
- Safeguarding from environmental impact, including in the event of an environmental accident or incident.

# What to Submit?

Azores ISLP

## 4 Volumes:

- Executive Summary
- Spaceport Model and Commercial Case
- Technical Solution and Implementation Plan
- Industrial Organisation and Management Plan
- Legal Elements



# Our “Expectations” to You!

Azores ISLP

A solid understanding of the overall concept reflected in the following:

**a solid technical concept with the right balance of risk-taking**

**an attractive setup/team with adequate industrial responsibility**

**a valid (ambitious and realistic) business case for the future**



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**Thank you!**



**Portugal Space**