

5G Developments, Trials & User Pilots



The ESA Satellite 5G initiative supports development activities falling within the following two activity types:

1. Activity Type 1: Technology and Product Development & Validation Trials

These activities relate to the development of 5G integrated satellite terrestrial system and/or its components.

2. Activity Type 2: Applications development & Vertical Pilots

These activities relate to the development and/or demonstration of applications and services based on 5G networks and space based systems, where potential users are involved in the pilots.

To register your interest in ESA funding and support, please complete the below form. We will then be in touch to go over the application process in more detail.

Company Details		Contact Details	
Company Name:		Name:	
Location:		Function:	
Country:		Telephone:	
SME Status:		E-Mail:	

Key company information (i.e. size, turnover, structure, product portfolio overview)

1. Brief Description of your 5G Project:

Please outline the main elements of the activity you propose (including the desired outcome, the main design/development/validation activities, the innovative elements, etc):

2. Target Markets / Verticals:

Please provide details of the markets and/or verticals you wish to target:

2.1. Key Partners

Please let us know about your established partners in the following sectors:

Satellite Operator:

Telco Operator:

Vertical Stakeholder/Industrial partner:

3. Relation and/or dependency (if any) with other national or international (e.g. EC 5G PPP) 5G projects:

4. Project Scope (tick as appropriate):

Product Development and Trials

and/or

Application Development and User Pilots



4.2.a. Involving*:

Definition Phase

Technology Development

Product Development

Demo / Trial



4.3. Development required in:

Ground Domain

Space Domain

System Domain



4.4.a. Trial Scope:



4.2.b. Involving*:

Definition Phase

Application Development

Service Development

User Pilot



4.4.b. Pilot Scope:

5. Funding Required:

The amount of funding offered by ESA depends on the project scope. Typically, this might vary between 50-75% of the total project cost, depending on the technology risk involved.

5. 1. Overall Project Cost:

5.2. Funding requested by ESA (% or €):

6. Schedule:

Please give an overview of the project timeline, including key phases and milestones

7. Partners (by company and country):

What happens next?

ESA will review your submission and someone will be in touch to discuss.

Contact Information:

If you wish to contact ESA regarding your registration of interest, please email: 5G@esa.int

** Definition Phase: consolidate the product/application requirements through system analysis. The outcome is a set of product/application specifications*

Technology/Application Development Phase: mitigate technology risks associated with the technology development. The outcome is a prototype/breadboard

Product/Service Development Phase: develop the product, ready for a commercial exploitation. Outcome: final product

Trial/User Pilot phase: execute validation trials and user pilots