Applications should be sent to Arcep via a letter signed and accompanied by this form, duly completed.

This form is dedicated to frequency requests for experimentation purpose, such as test of new mobile technologies or others innovative technologies.

1. **Summary of the application for the experimentation**

* 1. Name of the company applying for the authorisation

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| --- |
|  |

* 1. Frequencies requested

|  |  |
| --- | --- |
| Frequency band(s) |  |
| Frequency bandwidth desired (MHz) |  |
| Minimum bandwidth required (MHz) |  |

* 1. Location and expected duration of the industrial equipment testing

|  |  |
| --- | --- |
| Location |  |
| Duration |  |
| Start and end dates | from       to |

* 1. General description of the industrial equipment testing   
     *(Context and objectives, technologies to be used, industrial or institutional set-up, any partnerships, etc.)*

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1. **Information about the applicant**
   1. Administrative informations about the applicant

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| --- | --- | --- | --- |
|  |  | | |
| Corporate name |  | | |
|  | | | |
| Address |  | | |
|  | | | |
| Postal code |  | City |  |
|  | | | |
| France: Code Siret |  | Code NAF |  |
|  | | | |
| Other countries: Registration number | | |  |
|  | | |  |

* 1. Reference technical contact

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | | |
| Name |  | | |
|  | | | |
| Fonction |  | | |
|  | | | |
| Phone number |  | Fax |  |
|  | | | |
| Email |  | | |
|  |  | | |

* 1. Paying service (if different from applicant)

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | | |
| Corporate name |  | | |
|  | | | |
| Billing address |  | | |
|  | | | |
| Postal code |  | City |  |
|  | | | |
| Contact point |  | | |
|  | | | |
| Phone number |  | Fax |  |
|  | | | |
| Email |  | | |
|  |  | | |

1. **technical description of the experimentation**
   1. Targeted technologies and equipments description

|  |  |
| --- | --- |
|  |  |
| Service type |  |
|  | |
| Technology type |  |
|  | |
| Targeted frequencies and duplexing mode |  |

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| --- | --- |
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| **MNC Code (Mobile Network Code)** | |
|  | |
| If your experimentation takes place in a limited geographical area (few cells) in mainland France and is limited in time, you can use freely (without individual administrative decision) and without delay one of the following test codes: 208-85, 208-90 and 208-92.  If these test codes are not suitable for your experimentation, you have to ask an individual granting of a MNC in the conditions defined by decision n°2018-0881. | |

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| **Regulatory Sandbox** | |
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| Article L. 42-1 (IV) of the Code of Posts and Electronic Communications (CPCE) allows companies that so request to be exempted from all or part of the obligations related to the use of frequencies or the status of network operator, for a maximum of two years. These exemptions may be granted even if the applicant wishes to test a commercial service with the general public (see Articles 406-17-1 and 406-20 of the CPCE for more details).  If you wish to apply to this mechanism, please specify the provision to which you wish to derogate, the technology or the innovative service envisaged, and the number of users concerned or the turnover per half-year (excluding tax) envisaged. | |

|  |  |
| --- | --- |
| Number of fixed stations |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Describe the following characteristics for each fixed stations  (add rows as needed): | | | | | | | |
| Longitude | Latitude | Transmitting power EIRP | | Azimuth  (°) | Tilt  (°) | Aperture angle at -3dB  (°) | Antenna height  (m) |
| EIRP (mW or dBm)\* | TRP (mw or dBm)\*\* |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

\* = mandatory

\*\* = mandatory in the case of a MIMO antenna

|  |  |
| --- | --- |
|  |  |
| Describe the fixed station equipment and their characteristics, in particular antenna patterns and the MIMO configuration (if relevant): | |
|  | |
|  |  |

|  |  |
| --- | --- |
| If the network uses Time-Division Duplexing (TDD mode), indicate the envisaged frame structure: |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | |  | |
| Number of terminals |  | Transmitting power (EIRP) |  |
|  | | | |
| Describe the terminal equipment and their characteristics: | | | |
|  | | | |
|  | |  | |

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|  |
| Specify any additional information to describe the operational and technical architecture planned for the experimentation: |
|  |

* 1. Experimentation configuration

|  |  |
| --- | --- |
|  | |
| Targeted location  *(INSEE code ou geographical coordinates)* |  |
|  | |
| Represent in one or more figure(s) the configuration of the experimentation, specifying:   * the location of fixed stations * the potential coverage area of emissions, * the areas where the terminals will be placed | |
|  | |

1. **5G Dashboard - For 5G Experiments only**

*This part only applies to 5G experiments. If your experiment is not about 5G technology, please ignore it.*

In order to prepare the arrival of 5G, Arcep publishes on its website a 5G dashboard, with a list of all experimental 5G licenses. The objective of this dashboard is to inform and sensitize the public about 5G, and to promote the work of French enterprises in the field of 5G.

In this frame, Arcep would like to publish details concerning use cases and technologies tested by 5G experiments. That’s why Arcep would like to obtain the following information concerning your 5G experiment, **which will appear on its website**.

You are not obliged to fully answer to the following questions. In any case, Arcep will publish on its dashboard the already published information concerning your experiment (such as decision number, name of the licensee).

* 1. **Please provide a contact (name and email) for people who would like to contact you about your 5G experiment.**

*Note that this contact will be publicly visible on Arcep’s website.*

* 1. **Please indicate, among the following choices, the key technologies and use cases tested for your 5G experiment.**

Technologies

Massive MIMO (*Multiple Input, Multiple Output*)

Beamforming, beamtracking

Smallcells

Time-Division Duplexing

Network synchronisation

Network slicing

Mode NSA (*Non Stand Alone)*

Mode SA *(Stand Alone)*

Others, please specify:

Use cases

Connected transports, autonomous vehicles

Internet of things

Smart city

Virtual reality, augmented reality

Telemedicine

Future industry

Others, please specify:

* 1. **Please provide the names of the partners of your 5G experiment (manufacturers, verticals, etc.)**
  2. **Please provide a short description of your 5G experiment, for the general public (in less than 256 characters)**
  3. If you have communication documents concerning your 5G experiment, please provide them as well.