1. **Applicant details**

**Company Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Address:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_tel: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company VAT Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide company’s General Authorization number (published by EETT) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or a document, published from national Authority, serving as conclusive evidence of the existence of the company and its legal status.

**Contact Person:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(responsible for operation)

**Contact Telephone:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (responsible for operation)

**Service Description:** Temporary use of satellite earth station for

**video**  **audio**  **data** (mark as appropriate)

##### Transmission Period: From \_\_\_\_/\_\_\_\_/\_\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_\_

##### Time Duration: From \_\_\_\_ : \_\_\_\_ to \_\_\_\_ : \_\_\_\_

##### Event/ Testing purpose: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### Satellite Earth Station Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Type of Satellite Earth Station:**  **SNG**  **Fly Away**  **Gateway**  **Terminal**

**Registration Number:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Site details**

**Address: \_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**County:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Latitude (WGS 84):** \_\_\_\_\_\_N\_\_\_\_\_\_’ \_\_\_\_\_\_΄΄

**Longitude (WGS 84):** \_\_\_\_\_\_Ε\_\_\_\_\_\_’ \_\_\_\_\_\_΄΄

**Site Altitude:** \_\_\_\_\_ m

1. **Transmitting characteristics of the satellite earth station**

**Satellite Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Transponder:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Satellite Orbit :**  **GSO**  **NGSO**

**Satellite Position :** \_\_\_\_\_ ο E / W \_\_\_\_\_ ο N / S (mark as appropriate)

**Transmitting Frequency:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MHz

**Bandwidth:** \_\_\_\_\_\_\_\_\_\_ MHz

**Transmitter Manufacturer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Max Operational Power per frequency:** \_\_\_\_\_\_\_ dBW

**Total Losses per frequency:** \_\_\_\_\_\_\_ dB

**Modulation and FEC:** \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

**Antenna Manufacturer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Polarisation:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Radiation Pattern:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ITU reference pattern)

**Antenna Diameter:** \_\_\_\_\_\_ m

**Antenna Gain:** \_\_\_\_\_\_\_ dBi

**Antenna Beamwidth (3dB): \_\_\_\_\_\_** ο

**Max Operational Total EIRP:** \_\_\_\_\_\_\_ dBW

**Azimuth Angle (s):** \_\_\_\_\_\_\_\_\_\_\_\_ ο

**Elevation Angle (s):** \_\_\_\_\_\_\_\_\_\_\_\_ ο

**Antenna Height above Ground:** \_\_\_\_\_\_ m

1. **Receiving characteristics of the satellite earth station**

**Receiving Frequency:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MHz

**Bandwidth:** \_\_\_\_\_\_\_\_\_\_ MHz

**Polarisation:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Antenna Gain:** \_\_\_\_\_\_ dBi

**Total Losses:** \_\_\_\_\_\_\_ dB

**Antenna Beamwidth (3dB): \_\_\_\_\_\_** ο

**Noise Temperature:** \_\_\_\_\_\_ οK (total of the system)

**G/T:** \_\_\_\_\_\_ dB/K

1. **Block Edge Mask (BEM) to be used for above transmitting and receiving frequencies and bandwidths of the satellite earth station (Note 2)**

**BEM according to ITU**  **Typical BEM**

1. **International coordination of the satellite earth station (Note 3)**

The applicant will provide the mdb file produced from AP7 Capture tool or from other ITU software tool, with the characteristics of the satellite earth station. The horizon elevation angles will be completed by EETT.[[1]](#footnote-1)

Notes:

1. Interference calculations, for the receiving frequencies and bandwidths of the satellite earth station, are made according to I/N criteria of ITU.
2. A description of the Block Edge Mask (BEM) of the satellite earth station, for the transmitting and receiving frequencies and bandwidths, is required according to the following excel spreadsheet.

If the actual BEM, for the transmitting and receiving frequencies and bandwidths of the satellite earth station, is better than the corresponding one of the ITU, e.g. due to better filters or other units in the chain of the earth station or requirements of the satellite operator, please provide the actual one, corresponding to the specific characteristics of the satellite earth station for transmission and reception respectively.

A typical BEM that could be used is created and shown in the “Typical BEM” sheet.



1. ITU software tool AP7 Capture (currently ITU software tools are located in <https://www.itu.int/ITU-R/go/space-software/en>) could be used to produce and provide the mdb file to EETT, for the specific satellite earth station. An example is provided in the following file.



**I Declare that:**

1. I have the appropriate authority to submit this application. I have read and understood the contents of this application and declare that the information contained therein as well as the information that accompanies it is true and accurate.
2. The company I represent is aware of its obligations under the current legislation, and in particular with the requirement for the radio equipment of radio stations to comply fully with Presidential Decree 98/2017, incorporating Directive 2014/53 / EU into Greek law (Government Gazette 139 / A / 2017).
3. The provision of satellite services is made through satellite systems which operate in accordance with the provisions of the Radio Regulations of the International Telecommunication Union and the relevant procedures have been completed.
4. The company accepts any harmful interference in the reception of the satellite earth station from networks located in neighboring countries, unless otherwise agreed with EETT.
5. The attached document, published from national Authority, serves as conclusive evidence of the existence of the company and its legal status.

Signature

NAMEDate: …...../……./.……..

1. Please rename the produced filename.mdb to filename.itu before send it via email to EETT. [↑](#footnote-ref-1)