Application for Licence to Use Radio Transmitter for Earth Station

Please read the instructions below before filling out this application

Application for[1]

☐ New Licence

☐ Licence cancellation ☐ Time extension ☐ Modification Licence number: _____

Applicant [2]

Name (company, association, person)	Organizational- or national ID number
Address	Invoice address
Email address	Contact person [3]
	Telephone / Fax
Applicant's reference [4]	Invoice reference

Earth Station, Service, time and Location

Earth station name[5]	
Start date[7]	
End date[7] (or until further notice)	
Antenna hight (above ground level) [m] [9a]	
Terrain profile [9b]	☐ Enclosed ☐ Not enclosed

Address of station[6] (or service area)	
Is Earth station transportable? [11]	Yes ☐ No ☐
Coordinates (WGS84) [10]	Long (deg **E** M′ S″) / Lat (deg **N** M′ S″)
Type of service[8]	☐Data ☐Video ☐Audio ☐Telephony ☐ TT&C ☐Other

Radio System Performance

Number of transmitters [12]	
Antenna diameter (m)	
Maximum antenna gain, transmission (dBi)	
Maximum electric power before antenna (dBW)	
Antenna azimuth (degrees, or ND) [15]	
Elevation angle (degrees) [16]	

Antenna radiation pattern (attach reference pattern or diagram) [14]	Yes ☐ No ☐
Antenna beam width (degrees) [13]	
Maximum antenna gain, reception (dBi)	
Maximum data rate, transmission (bps)	
Maximum data rate, reception (bps)	

Transmission Frequency(ies) [17]

TX Centre-frequency (MHz)		TX Band width (kHz)	

Reception Frequency(ies) [18]

RX Centre-frequency (MHz)		RX Band width (kHz)	

Satellite System

Satellite system ITU-name		ITU-publication reference [19]		
Number of satellites in orbit [20]		Estimated transmission time (per month)	Hours	Minutes
Notification to ITU requested? (If yes, attach mdb-file in ITU-format, containing Appendix 4 data) [21]	Yes ☐	Geostationary satellite position (degrees East)		
I hereby certify that there is an agreement between the applicant and the satellite operator whose satellite or satellite system the transmission is directed to			Yes ☐	

Additional information [22]

Signature [23]

Place and date
Signature (authorized signatory)
Name in block letters

Instructions for Application to Use Radio Transmitter in Earth Station

To use a radio transmitter, a licence is normally required. In Sweden, the National Post and Telecom Agency (PTS) issues these licences. Certain radio transmitters are exempt from licensing, i.e., they may be used without a licence. Information about exempt radio transmitters is published in the PTS regulatory collection (PTSFS), available at http://www.pts.se .

This form is used to apply for a licence for radio transmitters in earth stations.
Frequency licences are subject to an annual fee according to PTS regulations on fees for the use of radio transmitters. The regulation is published in the PTS regulatory collection (PTSFS), available at http://www.pts.se .
The equipment used must comply with the essential requirements for interference-free operation and safety within the EU, according to the EU Radio Equipment Directive (RED 2014/53/EU).

The completed application is to be sent electronically to pts@pts.se
or by post to:

Post- och telestyrelsen
Box 6101
102 32 Stockholm

Annex containing information for each footnote reference on the application form

[1] **Application.** Indicate whether the application is for a new license, license cancellation, time validity extension or modification of an existing license. For license cancellation, the applicant is required to provide the existing license number and signature.

[2] **Applicant.** The company, association, or person to whom the license will be issued.

[3] **Contact person**. The company, association, or person to whom the license will be issued.

[4] **Applicants reference.** Option to provide your own reference for the license.

[5] **Earth station name**. The name must be unique for each earth station and consist of no more than 20 characters.

[6] **Address of location (or service area if transportable).** State the antenna location address. If the application regards a transportable ES, provide information defining the service area.

[7] **Start and end date**. Desired dates for the earth station to be put into and out of service. If no end date is desired, write "Until further notice."

[8] **Type of service.** Indicate the type of service for which the application is made.

[9a] **Antenna altitude above ground level.** The height of the earth station antenna above ground level.

[9b] **Terrain profile**. A terrain profile describing the terrain elevation around the earth station can be attached. If the mask is not provided, PTS will assume that the station is not surrounded by any physical obstacles.

[10] **Coordinates (WGS84)**. Given that the ES is non-transportable, state the position with 6-digit accuracy according to WGS84.

[11] **Transportability.** Indicate if the earth station is transportable or not. A transportable ES usually operates in the frequency band 14.0-14.5 GHz.
Please note that a transportable ES is stationary during operation.

[12] **Number of transmitters**. Normally one. A transmitter can be licenced to several frequencies but only transmit on one frequency at a time.

[13] **Antenna beam width**. State the antenna's half power beam width.

[14] **Radiation pattern.** Provide reference pattern or submit a diagram with side lobe characteristics of the antenna. You may provide a reference to relevant ITU recommendation or attach a measurement diagram (dBi).

[15] **Antenna azimuth**. For geostationary satellites, state the angle in degrees. For non-geostationary satellites, state ND (Non Directional).

[16] **Elevation angle.** For geostationary satellites, the angle between the antenna's main lobe and the local horizontal plane. For non-geostationary satellites, state the smallest angle where transmission may occur.

[17] **Transmission frequency**. State the centre frequency for transmission.

[18] **Reception frequency.** State the centre frequency for reception.

[19] **ITU publication reference for satellite system**. State the publication reference for the associated satellite system at ITU. (e.g. "*Satcom-6E, BR IFIC 2572, PART II-S*")

[20] **Number of satellites in orbit**: For estimation of the earth station's radio uses towards the satellite system.

[21] **Notification to ITU**. A license issued by PTS provides interference protection and transmission rights within Sweden. For international protection notification to ITU is necessary.

In case the applicant wishes to acquire interference protection and right of transmission internationally, the application shall be supplemented by data [A] required for coordination and ITU notification. Such a request can also be submitted to the Agency at a later stage.
The information provided must be in electronic format according to the ITU norm (it is not compulsory to attach Appendix 4 and Appendix 7 printouts) – for more information see RR 9/RR 11 in Radio Regulations (ITU) and http://www.itu.int/ITU-R/go/space-software/en.

The Agency can at its own discretion and initiative, decide to notify selected parts of the national ES use to ITU.

[22] **Additional information**. Use this space for any other information.

[23] **Signature.** For companies, the application must be signed by an authorized signatory.