



Commission for  
**Communications Regulation**

**APPLICATION FORM**

**Fixed Satellite Earth Station Licences in  
the Fixed Satellite Service in Spectrum  
Above 3GHz  
Transportable**

<b>Document No:</b>	<b>ComReg 00/67R2</b>
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**An Coimisiún um Rialáil Cumarsáide**

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<b>APPLICATION FORM FOR FIXED SATELLITE EARTH STATION LICENCES IN THE FIXED SATELLITE SERVICE IN SPECTRUM ABOVE 3GHZ. ....</b>	<b>1</b>
<b>NOTES FOR APPLICANTS.....</b>	<b>3</b>
<b>PART 1.....</b>	<b>4</b>
<b>PART 2.....</b>	<b>7</b>
<b>PART 3.....</b>	<b>10</b>
<b>ANNEX 1: GUIDE TO COMPLETING APPLICATION FORM.....</b>	<b>13</b>
SATELLITE APPLICATION STRUCTURE. ....	13
PART 2: TRANSPORTABLE EARTH STATION.....	13

## NOTES FOR APPLICANTS FOR TRANSPORTABLE EARTH STATION LICENCE

1. Please refer to the Guidelines (00/64) prior to completing this application form.
2. Part 1 of the application form covers details of the applicant and must be completed in all cases.
3. Part 2 of the application form relates to the technical aspects of the service provided. Part 2 Section I must be completed in all cases and Section II must also be completed if co-ordination is needed. A complete guide to individual questions contained within Part 2 can be found in Annex 1.
4. Part 3 of the application form is a declaration by the applicant and must be completed in all cases.
5. Your application will be evaluated on the material in the application form together with any supplementary information requested by the Commission for Communications Regulation (“the Commission”).
6. The issuing of a Wireless Telegraphy Licence under these regulations does not absolve the licensee from complying with any other statutory obligations. Thus, a telecommunications service licence may also be required<sup>1</sup>.
7. Every effort will be made to process applications quickly so that licences can be issued at the earliest possible date. To facilitate speed of processing, please ensure that your application is complete and clearly set out. Incomplete applications may be returned requiring resubmission.
8. Special care must be taken to adhere to the guidelines in relation to Airport Exclusion Zones and Notification Areas. Please refer to the Guidelines (00/64) in relation to this matter.<sup>2</sup>

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<sup>1</sup> See ComReg web site: <http://www.comreg.ie/> for information on telecommunications service licences.

<sup>2</sup> Further information can be found at the ComReg web site <http://www.comreg.ie> and the Irish Aviation Authority web site <http://www.iaa.ie>

# APPLICATION FOR TRANSPORTABLE EARTH STATION LICENCE

ALL SHADED SECTIONS MUST BE COMPLETED

## PART 1

### GENERAL INFORMATION

#### Contact Details

#### APPLICANT DETAILS

1. Full Name of the Company, firm or person	
2. Registered Number in the Companies Registration Office	
3. Business Address	
4. Phone No.	
5. Fax No.	
6. E-mail	
7. Address to which the licence is to be sent, if different from above	

#### CONTACT DETAILS<sup>3</sup>

1. Name	
2. Business Address	
3. Phone No.	
4. Fax No.	
5. E-Mail	

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<sup>3</sup> If the contact person is not the same as the person(s) in the Applicant Details section, the applicant must nominate a technical contact who will be in a position to act for the applicant and to furnish information about the application if called upon to do so.

## **GENERAL LICENCE DETAILS**

### **1. Type of Service**

Please specify details of the type of service being provided<sup>4</sup>:

- Provision of telecommunications network system (please specify)
- Provision of services ancillary to broadcasting (please specify)
- Other (please specify)

### **2. Other Licences**

Please indicate which of the following licences are held/have been applied for by the applicant:

- General Telecommunications Licence
- Basic Telecommunications Licence
- Other Licence(s) – Please specify, giving details including reference number and date of issue:

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<sup>4</sup> For example: SNG, Data, Video, etc.

**3. Duration**

Please state the duration of the licence

Annual Licence

Short-Term<sup>5</sup> (Please state the required duration)\_\_\_\_\_

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<sup>4</sup> Short-Term Licences can be issued for periods of one month up to a maximum of eleven months

**PART 2**

**Note: Technical details must be compliant with those specified in Annex C.3 of the Guidelines.**

**TECHNICAL ASPECTS**

**1. (Please tick the appropriate box)**

New Earth Station licence

Modification to an existing earth station licence. Licence no.

**2. Type of Earth Station licence**

Please indicate if an annual licence or a per-event licence is required.

Annual Licence (If an annual licence is required sections 5 and 12 are not applicable)

Per-Event licence or short-term.

**3. Type of Service**

Receive only

Transmit only

Transmit & Receive

**4. Earth Station Reference Name:** \_\_\_\_\_

**5. Event Details**

**5.1: Nature of Event**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**5.2: Start and End Date of Transmission**

From: D  M  Y

To: D  M  Y

**5.3: Name of Location<sup>6</sup>**

\_\_\_\_\_  
\_\_\_\_\_

**5.4: Longitude:**

Degrees  W

**5.5: Latitude:**

Degrees  N

<sup>6</sup> Restricted operation within exclusion zones and notification areas, See Guidelines, Annex E.

**6. Contact Name and Number regarding Transmission**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Position: \_\_\_\_\_ Fax: \_\_\_\_\_

**7. Satellite Details**

7.1: Name of Space Station:  
\_\_\_\_\_

7.2: Nominal Orbital Longitude:

Degrees . E/W

7.3: Name of Satellite Operator or Agency \_\_\_\_\_

**8. Station Equipment Details**

8.1: Manufacturer: \_\_\_\_\_

8.2: Model/Type: \_\_\_\_\_

8.3: Type Reference: \_\_\_\_\_

**9. Antenna Details**

9.1: Manufacturer: \_\_\_\_\_

9.2: Model/Type: \_\_\_\_\_

9.3: Type Reference: \_\_\_\_\_

9.4: Diameter:  Metres

9.5: Max. isotropic gain, Transmitting:

dBi (dBic<sup>7</sup>)

9.6: Max. isotropic gain, Receiving:

dBi (dBic<sup>6</sup>)

9.7: Beamwidth (Transmit):

Horizontal: . Degrees

Vertical: . Degrees

9.8: Transmit Polarisation :

Horizontal  Circular Left

Vertical  Circular Right

9.9: Radiation Pattern<sup>8</sup>:

Attachment Number

<sup>7</sup> For a circularly polarized antenna the gain should be expressed relative to a circularly polarized isotropic antenna

<sup>8</sup> Any reference patterns submitted must comply with ITU-R S-465



**10. Earth Station Transmit & Receive Details**

**10.1: Transmit Frequency**  
(GHz)

**Bandwidth**  
(kHz)

**10.2: Receive Frequency**  
(GHz)

**Bandwidth**  
(kHz)

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**11. Emission Details**

**11.1: Emission Designation:**

**Bandwidth      Emission      Designation**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**11.2: Maximum Isotropic Radiated Power:**

dBW

dBW

dBW

dBW

dBW

**PART 3**

**DECLARATION BY THE APPLICANT**

I have read the Guidelines for applicants for Fixed Satellite Earth Stations in the Fixed Satellite Service in spectrum above 3 GHz (00/64).

I accept that the Commission may publish information relating to licensed fixed satellite earth stations, for the purposes of orderly and efficient spectrum management, and that certain information relating to any licence issued pursuant to this application may be contained in any such publication.

I agree to comply fully with all the terms and conditions of the licence, if granted, in accordance with the Wireless Telegraphy (Fixed Satellite Earth Stations) Regulations, 2000.

The Commission will endeavour to minimise the potential for interference. I accept that the Commission will not be liable for any interference received from other licensed users and that I will comply with whatever the Commission requests in preventing interference being caused by this satellite earth station(s) to other licensed users of the radio spectrum.

I accept that a licence does not confer any right of ownership of the frequency spectrum. It allows the assigned frequency channel to be used during the term of the licence in accordance with the conditions of the licence.

I certify that all information provided on this form, including all documentation attached, is true and accurate.

**Signature of Applicant:**

**Name in Block Letters:**

**Date:**

(If applicant is a company, please state position held):



**For ComReg Use Only**

**ComReg File Ref.:**

**Pre - Consultation Date**

**Date Application Received**

**Date Application Acknowledged**

<b>Meeting correspondence</b> /	<b>Sent by ComReg</b>	<b>Received by ComReg</b>	<b>Comment</b>
<b>Date</b>			
<b>Date</b>			
<b>Date</b>			
<b>Date</b>			

**Date applicant advised of**

**Outcome of application assessment  
and invoice issued.**

**Date Payment Received**

**Licence Issued**

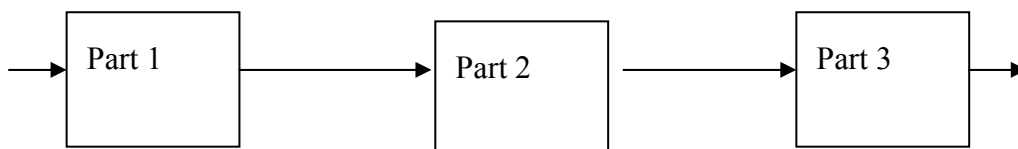
**Date:**

**Number:**

## **Annex 1: Guide to completing application form**

### **Satellite Application Structure.**

Parts 1, 2 and 3 must be completed in all cases.



### **Part 2: Transportable Earth Stations**

- 1 Applications for new transportable satellite earth stations and for modifications to existing transportable satellite earth stations (or applications currently being processed) use the same application forms.
- 2 Type of licence required.
- 3 Type of circuit required.
- 4 Name of transportable earth station.
- 5.1 Details of Event (e.g. International Soccer match at Landsdowne Road).
- 5.2 Details of times of transmission.
- 5.3 Name of location (i.e. address).
- 5.4 Longitude of transportable earth station location (WGS84).
- 5.5 Latitude of transportable earth station location (WGS84).
- 6 Details of contact point regarding the transmission. This contact point should be available during all times of transmission.
- 7.1 The name of the Space Station as registered with the ITU.
- 7.2 The orbital position of the Geostationary satellite.
- 7.3 The name of the Satellite operator or agency (Refer to Table 12A/12B of the Preface to the ITU IFL &SRS)
- 8.1 The manufacturer of the equipment used must be specified.
- 8.2 The particular equipment model must be specified here.
- 8.3 Any EMC or R&TTE certification for equipment used should be quoted here. Copies of the certificates (in English) should also be included with the application.

- 9.1** The manufacturer of the antenna used must be specified.
- 9.2** The particular antenna model must be specified here.
- 9.3** Any EMC or R&TTE certification for equipment used should be quoted here. Copies of the certificates (in English) should also be included with the application.
- 9.4** The diameter of the antenna, expressed in metres.
- 9.5** The maximum gain of the fixed satellite earth station antenna, in the transmitting direction, relative to an isotropic radiator.

Note: The receiving section is licence exempt if the antenna size is not greater than that specified in ETSI TBR 30.

- 9.6** The half power beamwidth of the antenna in the direction of maximum radiation, expressed in degrees.
- 9.7** Details of any polarizations being used must be specified. The orientation must specified (e.g. Horizontal, Vertical, etc.).
- 9.8** Radiation patterns for any antennas used are required, it may be required to provide cross-polarized radiation patterns. Note that any patterns submitted must account for the pointing accuracy.
- 10.1** Details of transmit carrier frequencies and bandwidths.
- 10.2** Details of receive carrier frequencies and bandwidths.
- 11.1** The emission designation must be specified in terms of the following:

Emissions are designated according to their necessary bandwidth and classification and are classified and symbolised according to their basic characteristics and any optional additional characteristic. Modulation used only for short periods and for incidental purposes (such as for identification or calling) may be ignored, provided that the necessary bandwidth as indicated is not increased.

For classification of emissions and necessary bandwidths see ITU RR Appendix S1.

- 11.2** The maximum equivalent isotropically radiated power.

$EIRP = \text{Antenna Gain (relative to an isotropic radiator)} \times \text{Transmitted Power.}$

- 12** Details of any site shielding measures being taken for the purposes of minimising interference that may occur to, or from, existing terrestrial or other earth stations. In addition it may also be useful to provide a Horizontal Plot including the significant manmade structures.