

Guidance Notes regarding application to use network spectrum

Notes:

1. Please read the accompanying "Guidance Notes regarding application to use network spectrum" carefully prior to filling in the application form.
2. There may be insufficient space on the application form to answer particular questions, in such cases the appropriate section should be photocopied and added to the form.
3. The processing of the application may be delayed if any of the details given on the form are not complete or correct.

SECTION 2: APPLICATION INFORMATION

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| (1) Scope and purpose of service/test | Indicate the category of licence under which you intend to use network spectrum. |
| (2) Type of service | Please indicate whether network is point to point, point to multipoint, cellular, repeater, etc. |
| (3) Information to be transmitted and/or received | e.g. data, voice, video, etc. |

SECTION 3: EQUIPMENT INFORMATION

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| (4) R.F. equipment type approval reference | Please indicate whether any radiocommunication or telecommunication equipment which is intended to be used has been type approved by this Authority by annexing a copy of the type approval certificate issued by the ICT Authority. In case the answer is no, please submit a duly filled-in application form for type approval. |
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SECTION 4: STATION INFORMATION

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|------------------------|---|
| (5) Class of station | Enter the class of station in terms of the ITU Regulations, e.g.
BT – Broadcasting station, television
FX – Fixed station
CP – Station open to public correspondence |
| (6) Hours of operation | Please indicate using the following codes:-
H24 - continuous service throughout 24 hours
HX - intermittent service throughout 24 hours, or station having no specific working hours
HJ - day service
HN - night service |

SECTION 5: TRANSMITTING DETAILS

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| (7) Carrier frequency | Exact frequencies or frequency band-limits required or envisaged must be indicated. Reference to frequency bands such as Ku Band, C Band, L Band etc. will not be accepted. In the case of more than one satellite or satellite transponder being utilised (e.g. where satellite capacity is leased or allocated on an event-by-event basis), each carrier frequency that may possibly be used must be indicated or specified. |
| (8) Modulation Scheme | e.g. 16-QAM, 4-FSK, etc. |

- (9) Multiple access scheme e.g. CDMA, FDMA, etc.
- (10) Designation of emission This is made of 3 parts: Bandwidth (4 characters), Emission (3 characters) and Description of Emission (2 characters). This makes a nine character emission code
- (11) Maximum and Minimum Transmitter Power Specify Watt or dBm
- (12) Maximum and Minimum EIRP This item refers to the maximum and minimum radiated power and is derived from the transmitter power, fixed/feeder losses between the transmitter and the antenna and the gain of the antenna. In the case of satellite operations, the EIRP for each carrier type envisaged must be specified. The minimum EIRP value for satisfactory overall system performance should be selected at all times.
- (13) Antenna Pattern A clear and legible copy/original of antenna pattern diagrams must be submitted with, or attached to, the application form. For terrestrial fixed services the diagram/s should depict or indicate the co- and cross- polar pattern of the antenna over a 180° range/azimuth (VH, HV, VV and HH respectively). Fixed Service antennas in the range 1 - 40 GHz should at least meet the ETS specifications EN 300 631-1 V1.1.1 or pr ETS 300 833 for class two (2) antennas.
- (14) Minimum Receive Carrier Sensitivity Level Under this item the carrier sensitivity level in terms of both the Carrier-to-Interference (C/I) and Threshold-to-Interference for 1 dB degradation (T/I) ratios must be provided for 10⁻³ and 10⁻⁶ objectives and for both co- and adjacent channel interference.
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**APPLICATION FORM FOR NETWORK SPECTRUM LICENCE / TEMPORARY TEST
LICENCE FOR FREQUENCY USAGE**

Please read the accompanying "Guidance Notes regarding application to use network spectrum" carefully prior to filling in the application form.

Application made on behalf of a body corporate should be signed by a person duly authorised by the body corporate.

Please complete in **BLOCK** letters.

SECTION 1: PARTICULARS OF APPLICANT	
1.1 Company Name:- (or partnership, sole trader, individual)	1.2. Trading Name:-
1.3. (a) Registered address _____ _____ _____	(b) Business address (for correspondence) _____ _____ _____
1.4 Details of contact person for official communication	
(a) Name:-	(d) Mobile No.:-
(b) Designation:-	(e) Fax No.:-
(c) Day time Tel. No.:-	(f) Email:-

SECTION 2: APPLICATION INFORMATION
2.1 Please specify whether you applying for a <input type="checkbox"/> Network Spectrum Licence <input type="checkbox"/> Temporary test licence
2.2 Network Spectrum category applied for: <input type="checkbox"/> SPL.1 <input type="checkbox"/> SPL.2 <input type="checkbox"/> SPL.3 <input type="checkbox"/> SPL.4
2.3 Scope and purpose of service/test ¹ :
2.4 Type of service ² :
2.5 Information to be transmitted and/or received ³ :
2.6 Licence requirements - <input type="checkbox"/> Temporary/Test licence From Date: _____ To Date: _____ <input type="checkbox"/> Permanent licence (Yes/No): _____ <input type="checkbox"/> Expansion <input type="checkbox"/> Modification <input type="checkbox"/> Migration
2.6 Number of stations:
2.7 Please attach a diagram showing the network, clearly identifying the stations

SECTION 3: EQUIPMENT INFORMATION
3.1 R.F equipment manufacturer: _____
3.2 R.F equipment make & model: _____
3.3 R.F equipment type approval reference ⁴ : _____
3.4 Antenna manufacturer: _____
3.5 Make, model & type of antenna: _____
3.6 Diameter of dish antenna (m) (if applicable): _____

SECTION 4: STATION INFORMATION

Note: A separate Section 4 is required for each station site

- 4.1 Location of station: _____
- 4.2 Class of station⁵: _____
- 4.3 Geographical co-ordinates of station/site -
Latitude: _____ Deg./Min./Sec. *South* Longitude: _____ Deg./ Min./ Sec. *East*
- 4.4 Station/site height above sea-level (m): _____
- 4.5 Service area (sq. km): _____
- 4.6 Hours of operation⁶: _____

SECTION 5: TRANSMITTING DETAILS

Note: A separate Section 5 is required for each station site

- 5.1 Geographical co-ordinates of antenna site -
Latitude: _____ Deg./Min./Sec. *South* Longitude: _____ Deg./ Min./ Sec. *East*
- 5.2 Height of antenna site above sea level (m) (± 5 m): _____
- 5.3 Height of Antenna Centre Above Ground (m) (± 5 m): _____
- 5.4 Carrier frequencies/Frequency band required (MHz)⁷: _____
- 5.5 Total transmitted bandwidth (MHz): _____
- 5.6 Modulation scheme⁸: _____
- 5.7 Multiple access scheme⁹: _____
- 5.8 Capacity and Bit-rate: _____
- 5.9 Designation of emission¹⁰: _____
- 5.10 Maximum and minimum transmitter power¹¹: _____ (Max) _____ (Min)
- 5.11 Fixed loss between transmitter and antenna (dB): _____
- 5.12 Transmit antenna beamwidth (-3 dB Points): _____
- 5.13 Maximum gain of antenna (dBi): _____
- 5.14 Maximum and minimum EIRP¹²: _____ (Max) _____ (Min)
- 5.15 Polarisation: _____
- 5.16 Antenna radiation pattern¹³ (To be **attached**): _____

SECTION 6: RECEIVING DETAILS

- 6.1 Receive antenna beamwidth (-3 dB Points): _____
- 6.2 Maximum receive gain of antenna (dBi): _____
- 6.3 Fixed loss between antenna and receiver (dB): _____
- 6.4 Minimum receive carrier sensitivity level (dBm)¹⁴: _____

DECLARATION

I declare that we have not commenced provision/operation of any of the telecommunication stations/networks applied for in this application and all information in this application form is true and correct. I agree to comply with any terms, conditions or restrictions which the Information and Communication Technologies Authority may impose and to be bound by the laws and regulations in force.

Applicant's signature:

Company's stamp

Signatory's name:

Date:

FOR OFFICE USE

Amount received:

Licence Registration No:

Special comments: _____

Date approved:

Signature:

For Director of Engineering/Licensing
(Information & Communication Technologies Authority)