

Guidance Notes regarding application for fixed radio spectrum

Notes:

- 1 Please read the accompanying "Guidance Notes regarding application for fixed radio 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

- (1) Scope and purpose of service Indicate the category of licence or the purpose under which you intend to operate radio fixed links
- (2) Information to be transmitted and/or received e.g. data, voice, video, etc.

SECTION 3: EQUIPMENT INFORMATION

- (3) 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.

SECTION 4: LINK INFORMATION

- (4) 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

- (5) 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.
- (6) Modulation Scheme e.g. 16-QAM, 4-FSK, etc.
- (7) Multiple access scheme e.g. CDMA, FDMA, etc.
- (8) 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.
- (9) Maximum and Minimum Transmitter Power Specify Watt or dBm

- (10) 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.
- (11) Antenna Radiation 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.

SECTION 6: RECEIVING DETAILS

- (12) 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 FIXED RADIO SPECTRUM LICENCE

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 Fixed Radio Spectrum category applied for: SPL
2.2 Scope and purpose of service ¹ :
2.3 Information to be transmitted and/or received ² :
2.4 Licence requirements - <input type="checkbox"/> Temporary licence From Date: _____ To Date: _____ <input type="checkbox"/> Permanent licence (Yes/No): _____ <input type="checkbox"/> Expansion <input type="checkbox"/> Modification <input type="checkbox"/> Migration
2.5 Number of links:
2.6 Please attach a diagram showing the network, clearly identifying the stations and links.
2.7 Please provide the link budget for each link.

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 ³ : _____
3.4 Antenna manufacturer: _____
3.5 Make, model & type of antenna: _____
3.6 Diameter of dish antenna (m) (if applicable): _____

SECTION 4: LINK INFORMATION

Note: A separate Section 4 is required for each link

4.1 Link From (<i>SITE 1</i>): _____		To (<i>SITE 2</i>): _____	
4.2 Hop length: _____ km		4.3 Hours of operation ⁴ : _____	
4.4 Location of station: 4.5 Geographical co-ordinates of station - Latitude: (in Deg./Min./Sec. <i>South</i>) Longitude: (in Deg./ Min./ Sec. <i>East</i>) 4.6 Station/site height above sea-level (m):	<i>SITE 1</i>	<i>SITE 2</i>	

SECTION 5: TRANSMITTING DETAILS

Note: A separate Section 5 is required for each link		<i>SITE 1</i>	<i>SITE 2</i>
5.1 Geographical co-ordinates of antenna site - Latitude: (in Deg./Min./Sec. <i>South</i>) Longitude: (in Deg./ Min./ Sec. <i>East</i>)			
5.2 Height of antenna site above sea level (m) (±5m):			
5.3 Height of Antenna Centre Above Ground (m) (±5m):			
5.4 Carrier frequencies/Frequency band required (MHz) ⁵ :			
5.5 Total transmitted bandwidth (MHz):			
5.6 Modulation scheme ⁶ :			
5.7 Multiple access scheme ⁷ :			
5.8 Capacity and Bit-rate:			
5.9 Designation of emission ⁸ :			
5.10 Maximum and minimum transmitter power ⁹ :			
Maximum			
Minimum			
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 EIRP ¹⁰ :			
Maximum			
Minimum			
5.15 Polarisation:			
5.16 Antenna radiation pattern ¹¹ (To be attached):			

SECTION 6: RECEIVING DETAILS

	<i>SITE 1</i>	<i>SITE 2</i>
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) ¹² :		

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)