



POINT-TO-POINT FIXED LINK

Applicant Name _____

Applicant Reference _____

Request Type New Deletion Modification

if Deletion, kindly specify the reason(s)

No. of Links Please note that the attached application form to be filled per link

Authorized Person: _____ **Title:** _____

Signature: _____ **Date:** _____

- 1 This Form should be attached with Frequency License Application Form(s) (Point to point Fixed Links); both forms should be provided along together
- 2 The information requested on this form is being collected by TRA and is to be processed for the purpose of approving this application and issuing frequency.
- 3 Applicants should note that:
 - Information provided by the applicant may be made available to other government departments;
 - Information provided in answer to the questions on this application form may be passed to international bodies or other governments in accordance with commitments entered into by the government of the Kingdom of Bahrain.
It is an offence to knowingly make a false statement in support of this application and may lead to the licence being refused or revoked.

For Internal use Only

TRA Reference: _____
Date Received: _____
Outstanding: Yes No Due Date: _____
Complete application: Yes No Due Date: _____
Date Complete: _____
Processing Date: _____



Frequency License Application Form (Point to Point Fixed Link)

Administrative Information

Name of Licensee :		Name of Agent (if any):	
Name of contact person:		Agency's contact person:	
Address:		Address:	
Telephone:	Ext:	Telephone:	Ext:
Fax:		Fax:	
Email:		Email:	

Color Codes¹:

New

1	3
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Modification²

1	2
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Deletion

2

Bandwidth Upgrade/Downgrade²

1	2	3
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1 General Details (New or Bandwidth Upgrade/Downgrade or Reallocation)																	
Communication channel Type	Simplex		Duplex		Service Duration	<input type="checkbox"/> Annual	<input type="checkbox"/> Temporary										
if temporary please specify the period (month) & reasons:																	
Radio path length		Preferred TX Frequencies for site A and Site B															
km		Preferred 1 Site A:1)		GHz 2)		GHz		Site B:1)		GHz 2)		GHz					
		Preferred 2 Site A:1)		GHz2)		GHz		Site B1)		GHz 2)		GHz					
Service Availability	99.9%		99.95%		99.99%		99.995%		99.999%		Other	%					
Site Details																	
Site A name:					Site B name:												
Site A ID:	Site A Status				Site B ID:	Site B Status											
.....	New <input type="checkbox"/>		Existing <input type="checkbox"/>		New <input type="checkbox"/>		Existing <input type="checkbox"/>									
Site A co-ordinates (WGS84) "DD.MM.SS"	Longitude			E				.	Site B co-ordinates (WGS84) "DD.MM.SS"	Longitude			E				.
	Latitude			N				.		Latitude				N			

2 Details of an Existing Link for (Deletion or Bandwidth Upgrade/Downgrade or Reallocation)																	
DWLFM Link ID					Bandwidth					MHz							
Existing Frequency site A	GHz				Existing Frequency Site B	GHz				GHz							
Site Details																	
Existing Site A name:					Existing Site B name:												
Existing Site A ID					Existing Site B ID:												
Site A co-ordinates (WGS84) "DD.MM.SS"	Longitude			E				.	Site B co-ordinates (WGS84) "DD.MM.SS"	Longitude			E				.
	Latitude			N				.		Latitude				N			

¹ Please fill in according to the color code.

² Old link will be deleted once modification (includes relocation, change of polarization, change of site ID, etc.) is approved; if the request is rejected; the old link will remain in database.



3 Device and Antenna Details (New or Bandwidth Upgrade/Downgrade)		
	Site A	Site B
Equipment manufacturer		
Equipment model number		
Bit rate (e.g. 34 Mbit/s, STM-1 etc.)		
Bandwidth Required in MHz		
Equipment Tuning Range	Lower Frequency(MHz): Upper Frequency (MHz):	Lower Frequency(MHz): Upper Frequency (MHz):
T/R Spacing (MHz)		
Class of Emission		
Nature of Service		
	SITE (A)	SITE (B)
Transmitter power/type (X,Y,Z)	dBm	dBm
Radiated power (E,I,V)	dBm	dBm
Polarization type	<input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal <input type="checkbox"/> Dual	<input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal <input type="checkbox"/> Dual
C/I (long term)	dB	dB
C/I (short term)	dB	dB
Feeder losses	dB	dB
System losses	dB	dB
Receiver sensitivity	dBm	dBm
Antenna Manufacturer		
Antenna Model		
Size of Antenna	Meter	Meter
Elevation angle of Maximum Direction	deg.	deg.
Azimuth of Maximum Radiation	deg.	deg.
Angle Width of Radiated Main Lobe	deg.	deg.
Height of Antenna Above Ground	Meter	Meter
Maximum Antenna Gain	dBi	dBi

ANTENNA PATTERN	SITE (A)				SITE (B)			
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
				dB at deg.				dB at deg.
TX/RX-SPECTRUM MASK	SITE (A)				SITE (B)			
				MHz dB -/+				MHz dB
				MHz dB -/+				MHz dB
				MHz dB -/+				MHz dB
				MHz dB -/+				MHz dB
				MHz dB -/+				MHz dB
				MHz dB -/+				MHz dB