

APPLICATION FOR FIXED RADIO SPECTRUM LICENSES

FORM: SL-01

APPLICANT'S DECLARATION

1.1 I declare that:

- the information provided in this application is complete and correct;
- any equipment and / or radio spectrum licensed as a result of this application will be used in compliance with the applicable regulatory framework;
- I / we will notify CRA of any changes to the information provided;
- I am authorized to sign this application on behalf of the applicant.

1.2 Name:

1.3 Position:

1.4 Signature:

1.5 Date:

1.6 Company stamp (if applicable):

APPLICANT INFORMATION

2.1 CRA Customer Number:

Please note. If you have an existing customer number and have previously provided the following information you need only to complete this section if your details need to be amended in our records.

2.2 Name / Company / Organisation:

2.3 Nationality / Place of registration:

2.4 Profession:

2.5 PO Box:

2.6 Address:

2.7 Main contact:

2.10 Position:

2.8 Contact email:

2.11 Mobile Tel:

2.9 Office Tel:

2.12 Fax:

INVOICING INFORMATION (IF DIFFERENT FROM ABOVE)

3.1 Name / Company / Organisation:

3.2 PO Box:

3.3 Address:

3.4 Invoicing contact:

3.7 Position:

3.5 Contact email:

3.8 Mobile Tel:

3.6 Office Tel:

3.9 Fax:

APPLICATION TYPE (TICK AS APPROPRIATE)

New application:

Renewal:

Modification:

Cancellation:

TYPE OF LICENSE

1.1 Type of license required: (Note: please contact CRA if you require guidance on which license you need)

P-P frequency assigned (link)

P-P frequency assigned (area)

P-P block assigned

P-MP frequency assigned
(Network)

P-MP / MP-MP frequency assigned (area)

P-MP / MP-MP block assigned

P-P Light licensed for 65 GHz, 70
GHz and 80 GHz bands

P-P/P-MP/MP-MP Light Licensed for 2.4 GHz,
5.4 GHz & 5.8 GHz bands

Please complete the following sections, as needed

PURPOSE OF LINK(S)/NETWORK(S)

TECHNICAL DETAILS: P-P FREQUENCY ASSIGNED LINK/AREA (TO BE PROVIDED FOR EACH LINK IN CASE OF AREA LICENSE IN A SEPARATE SHEET)

(Required to be filled only at the time of application submission for area based license. Details regarding additional links must be sent as per the format provided in technical schedule (2) of the license)

Date req'd:	Band (See Guidelines):	Freq. band (Where the equipment intended to be deployed has a limited tuning range this information should also be provided):	Preferred polarisation (Vertical (V); Horizontal (H); Co-channel dual polar (C); No preference (N))	Required availability	Est'd path length (km)	Preferable Transmit Hi/Lo Status*: (State any preference for end A or end B to transmit high or transmit low (otherwise leave blank))
		Lower:	Upper:			

Link location A:	Lat:	Long:	Site Name:	Site Address:
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Mast and mounting A: The height of the ground at the base of the mast (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL

Height of antenna (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL

Link location B:	Lat:	Long:	Site Name:	Site Address:
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Mast and mounting B: The height of the ground at the base of the mast (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL

Height of antenna (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL

Equipment details:			
Equipment manufacturer:			
Equipment model number:			
Equipment power:			
Bit rate (e.g. 8 Mbit/s, 34 Mbit/s etc):		Mbit/s	
Bandwidth (e.g. 7 MHz, 28 MHz, 56 MHz etc):		MHz	
Modulation Level / Type (e.g. 128/TCM, 16/QAM etc):			
Antenna details - Site A:		Antenna details - Site B:	
Antenna manufacturer:		Antenna manufacturer:	
Antenna model number:		Antenna model number:	
Antenna maximum gain (dBi):		Antenna maximum gain (dBi):	
Feeder Losses*:		Feeder Losses*:	
Any other losses*:		Any other losses*:	

TO BE FILLED FOR AREA-BASED LICENSE ONLY

Area for which license is required (rectangle):									
North ern limit:	Lat:		Long:		Western limit:	Lat:		Long:	
South ern limit:	Lat:		Long:		Eastern limit:	Lat:		Long:	

OR

(There is the option of defining the geographic area as a rectangle or a circle depending on which best fits)

Area for which license is required (circle):			
Centre point:	Lat:	Long:	Radius (km)
Anticipated number of links:			
Requested frequency band/ frequency range: <i>(Where the equipment that is intended to be deployed has a limited tuning range please specify the sub-band that is suitable)</i>			
Requested No. of Channels:			
Requested bandwidth:			
ADDITIONAL INFORMATION			
TECHNICAL DETAILS: P-P BLOCK ASSIGNED			
Anticipated number of links: <i>(Information should be provided on the expected number of links that might be deployed within the State of Qatar over time (e.g. on a year by year basis))</i>			
Requested frequency band (s):			
Requested total bandwidth per frequency band:			
Link / Network Details:		(To be provided in a separate sheet)	
Further information in support of application <i>(Information can include typical path lengths, how will undertake own planning and avoid interference to other users, how will ensure efficient use of spectrum. Also explanation of why require access to specific bands and how total amount of bandwidth has been determined):</i>			
ADDITIONAL INFORMATION			
TECHNICAL DETAILS: P-MP FREQUENCY ASSIGNED NETWORK OR P-MP/MP-MP FREQUENCY ASSIGNED AREA (FOR EACH NETWORK)			
<i>(Required to be filled only at the time of application submission for area based license. Details regarding additional links/n etworks must be sent as per the format provided in technical schedule (2) of the license)</i>			
Requested frequency band/ frequency range: <i>(Where the equipment that is intended to be deployed has a limited tuning range please specify the sub-band that is suitable)</i>			
Channel Bandwidth (MHz):			
Number of Channels:			
BASE STATION (FOR P-MP) / MESH NODE (FOR MP-MP) PARAMETERS			
Location (lat and long)			
Site name and address			
Height of Antenna			
Site equipment manufacturer			
Equipment Manufacturer			

Equipment model							
Equipment Power							
Bit rate (Mbps)							
Antenna manufacturer							
Antenna model number							
Antenna gain							
Outstation (OS) parameters (For P-MP Network License only)		OS1	OS2	OS3	OS4	OS5	OSXX
Site name							
Site location (lat and long)							
Transceiver manufacturer							
Transceiver model							
Transceiver Power							
TO BE FILLED FOR AREA-BASED LICENSE ONLY							
Area for which license is required (rectangle):							
Northern limit:	Lat:		Long:		Western limit:	Lat:	
Southern limit:	Lat:		Long:		Eastern limit:	Lat:	
OR							
(There is the option of defining the geographic area as a rectangle or a circle depending on which best fits)							
Area for which license is required (circle):							
Centre point:	Lat:		Long:		Radius (km)		
Anticipated number of Base Stations or Mesh Nodes:							
ADDITIONAL INFORMATION							
TECHNICAL DETAILS: P-MP/MP-MP BLOCK ASSIGNED							
Anticipated number of base stations or mesh nodes: <i>(Information should be provided on the expected number of base stations / nodes that might be deployed)</i>							
Requested frequency band (s):							
Requested total bandwidth:							
Equipment and network details:		(To be provided in a separate sheet)					
Further information in support of application <i>(Information can include network details and how will ensure efficient use of spectrum):</i>							
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ADDITIONAL INFORMATION							

TECHNICAL DETAILS: LIGHT LICENSED P-P FOR 65,70 & 80 GHZ BANDS (FOR EACH LINK)

(Required to be filled only at the time of application submission. Details regarding additional links must be sent as per the format provided in technical schedule (2) of the license)

Requested frequency band		
Channel Bandwidth (MHz):		
Number of Channels:		
	Site A	Site B
Location (lat and long)		
Path length		
Polarisation		
Equipment manufacturer		
Equipment model number		
Equipment power (eirp)		
Bit rate (Mbps)		
Modulation		
Emission class		
Height of antenna (AGL or ASL)		
Antenna manufacturer		
Antenna model number		
Antenna Gain		

Further information in support of application *(Information can include network details if available or anticipated numbers of terminals):*

ADDITIONAL INFORMATION

TECHNICAL DETAILS: LIGHT LICENSED P-P/P-MP/MP-MP FOR 2.4, 5.4 & 5.8 GHZ BANDS (FOR EACH LINK/NETWORK)

(Required to be filled only at the time of application submission. Details regarding additional links must be sent as per the format provided in technical schedule (2) of the license)

Requested frequency band		
Channel Bandwidth (MHz):		
	Station A (For P-P) / Mesh Node (for P-MP/ MP-MP) Parameters	Station B (for P-P)
Location (lat and long)		
Site name and address		
Height of Antenna		
Site equipment manufacturer		
Equipment model number		
Equipment Manufacturer		
Equipment Power (eirp)		
Bit rate (Mbps)		

Antenna manufacturer		
Antenna model number		
Antenna gain		

Further information in support of application (*information can include network details if available*):

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ADDITIONAL INFORMATION

DOCUMENTS TO BE ENCLOSED

Copy of CR / Copy of ID	Copy of Corporate card
Network Diagram	Detailed Technical Specifications
Antenna Radiation Pattern	Copy of receipt of final payment (For Cancellation)
Original license (For Cancellation)	Copy of the shipment document (Airway bill & packing list) or Declaration that equipment will be written-off under the supervision of CRA staff

For Area and block Licenses applicant is additionally required to provide justifications:

- that it currently or potentially has a major demand for frequency spectrum
- that it has the competence to manage the assigned frequencies or blocks of spectrum on area / national basis respectively with due attention to efficient use of spectrum, avoidance of interference and the resolution of any cases of interference which may arise.

Note: Filled-in application form must be routed through MoFA for Foreign Missions & Embassies

APPLICATION SUBMISSION

Please send completed applications to (by fax, post, courier or hand deliver):

Spectrum Management Department

Communications Regulatory Authority (CRA)

P.O. Box 23404, Al Nassr Tower, Post Office Roundabout, Al Corniche,

Doha, Qatar

FOR CRA INTERNAL USE

	For Spectrum Planning Section			For Spectrum Licensing Section		
Date Received:						
Approval:	Approved:	Yes	No	Approved:	Yes	No
License Number:						
Remarks:						
Date Completed:						