



**ictQATAR REGULATORY AUTHORITY
APPLICATION FOR FIXED P-P/P-MP/MP-MP FREQUENCY
ASSIGNED/BAND ASSIGNED/LIGHT 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 applicable Rules and Regulations;
- I / we will notify ictQATAR of any changes to the information provided;
- I am authorized to sign this application on behalf of the applicant.

1.2 Name:	1.6 Company stamp (if applicable):
1.3 Position:	
1.4 Signature: 1.5 Date:	

APPLICANT INFORMATION

2.1 ictQATAR Customer Number:

Please note. If you have an existing customer number and have previously provided the following information you need only complete the Applicant Information sections 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:
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APPLICATION SUBMISSION

<p>Please send* completed applications to:</p> <p>* by fax, post, courier or hand deliver.</p>	<p>Regulatory Authority – Spectrum Affairs The Supreme Council of Information & Communication Technology (ictQATAR) P.O. Box 23264, Al Nassr Tower, Post Office Roundabout, Al Corniche, Doha, Qatar</p>
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FOR SPECTRUM PLANNING SECTION:

Date Received:	
Approved:	Not Approved:
License Number:	Staff No.
Remarks:	
Date Completed:	

FOR SPETRUM MANAGEMENT SECTION:

Date Received:	
Approved:	Not Approved:
License Number:	Staff No.
Remarks:	
Date Completed:	

TYPE OF LICENSE

1.1 Type of license required: (Note: please contact ictQATAR 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 FILLED FOR EACH LINK¹)

2.1 Total number of links (for P-P Link License)							
2.2 For each link, please state:							
2.3 Link Number, 1 of:							
2.4 Date req'd:	2.5 Band (See Guidelines):	2.6 Freq. band ² :		2.7 Preferred polarisation ³	2.8 Required availability ⁴	2.9 Est'd path length (km)	2.10 Preferable Transmit Hi/Lo Status* ⁵ :
		Lower:	Upper:				
2.11 Link location A:	Lat:	Long:	Site Name:		Site Address:		
2.12 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							
2.13 Height of antenna (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL							

¹ 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.

² Where the equipment intended to be deployed has a limited tuning range this information should also be provided.

³ Vertical (V); Horizontal (H); Co-channel dual polar (C); No preference (N)

⁴ Availability options: 99.9%; 99.99%; 99.995%; 99.999%

⁵ State any preference for end A or end B to transmit high or transmit low (otherwise leave blank)

2.14 Link location B:	Lat:	Long:	Site Name:	Site Address:	
2.15 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					
2.16 Height of antenna (metres above ground level (AGL) for onshore and metres above sea level (ASL) for offshore)metres AGL/ASL					
2.17 Equipment details:					
2.18 Equipment manufacturer:					
2.19 Equipment model number:					
2.20 Bit rate (e.g. 8 Mbit/s, 34 Mbit/s etc):				Mbit/s	
2.21 Bandwidth (e.g. 7 MHz, 28 MHz, 56 MHz etc):				MHz	
2.22 Modulation Level / Type (e.g. 128/TCM, 16/QAM etc):					
2.23 Antenna details - Site A:			2.24 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					
2.25 Area for which license is required (rectangle):					
Northern limit:	Lat:	Long:	Western limit:	Lat:	Long:
Southern limit:	Lat:	Long:	Eastern limit:	Lat:	Long:
OR ⁶					
2.26 Area for which license is required (circle):					
Centre point:	Lat:	Long:	Radius (kms)		
2.27 Anticipated number of links:					
2.28 Requested frequency band/ frequency range ⁷ :					
2.29 Requested bandwidth:					
ADDITIONAL INFORMATION					

*** Optional Field**

TECHNICAL DETAILS: P-P BLOCK ASSIGNED	
3.1 Anticipated number of links ⁸ :	
3.2 Requested frequency band (s):	
3.3 Requested total bandwidth per frequency band:	

⁶ There is the option of defining the geographic area as a rectangle or a circle depending on which best fits.

⁷ Where the equipment that is intended to be deployed has a limited tuning range please specify the sub-band that is suitable

⁸ 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).

3.4 Further information in support of application⁹:

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ADDITIONAL INFORMATION

TECHNICAL DETAILS: P-MP FREQUENCY ASSIGNED NETWORK OR P-MP/MP-MP FREQUENCY ASSIGNED AREA (FOR EACH NETWORK¹⁰)

4.1 Requested frequency band/ frequency range: ¹¹									
Base Station (for P-MP) / Mesh Node (for MP-MP) Parameters									
4.2 Location (lat and long)									
4.3 Site name and address									
4.4 Frequency (ies)									
4.5 Height of Antenna									
4.6 Site equipment manufacturer									
4.7 Equipment model number									
4.8 Bit rate (Mbps)									
4.9 Bandwidth									
4.10 Antenna manufacturer									
4.11 Antenna model number									
4.12 Antenna gain									
Outstation (OS) parameters (For P-MP)	OS1	OS2	OS3	OS4	OS5	OSXXX			
4.13 Site name									
4.14 Site location (lat and long)									
4.15 Frequency (ies)									
4.16 Transceiver manufacturer									
4.17 Transceiver model									
To be filled for Area-based License Only									
4.18 Area for which license is required (rectangle):									
Northern limit:	Lat:		Long:		Western limit:	Lat:		Long:	
Southern limit:	Lat:		Long:		Eastern limit:	Lat:		Long:	
OR ¹²									

⁹ 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.

¹⁰ Required to be filled only at the time of application submission for Area based license. Details regarding additional links/networks must be sent as per the format provided in technical schedule (2) of the license.

¹¹ Where the equipment that is intended to be deployed has a limited tuning range please specify the sub-band that is suitable

¹² There is the option of defining the geographic area as a rectangle or a circle depending on which best fits.

4.19 Area for which license is required (circle):			
4.20 Centre point:	Lat:	Long:	Radius (kms)
4.21 Anticipated number of Base Stations or Mesh Nodes:			
4.22 Requested bandwidth:			
ADDITIONAL INFORMATION			

TECHNICAL DETAILS: P-MP/MP-MP BLOCK ASSIGNED	
5.1 Anticipated number of base stations or mesh nodes ¹³ :	
5.2 Requested frequency band (s):	
5.3 Requested total bandwidth	
5.3 Further information in support of application ¹⁴ :	
ADDITIONAL INFORMATION	

TECHNICAL DETAILS: LIGHT LICENSED P-P FOR FOR 65,70 & 80 GHZ BANDS (FOR EACH LINK¹⁵)		
8.1 Link No, 1 of:		
	Site A	Site B
Location (lat and long)		
Path length		
Transmit frequency		
Polarisation		
Transmitter eirp		
Bandwidth (MHz)		
Equipment manufacturer		
Equipment model number		
Bit rate (Mbps)		
Modulation		
Emission class		
Height of antenna (AGL or ASL)		
Antenna manufacturer		
Antenna model number		

¹³ Information should be provided on the expected number of base stations / nodes that might be deployed.

¹⁴ Information can include network details and how will ensure efficient use of spectrum.

¹⁵ 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.

Antenna Gain		
8.2 Further information in support of application ¹⁶ :		
.....		
ADDITIONAL INFORMATION		

TECHNICAL DETAILS: LIGHT LICENSED P-P/P-MP/MP-MP FOR 2.4, 5.4 & 5.8 GHZ BANDS (FOR EACH LINK/NETWORK¹⁷)

4.1 Link/Network No, 1 of:						
	Station A (For P-P) / Base Station (For P-MP) / Mesh Node (for MP-MP) Parameters			Station B (for P-P)		
4.2 Location (lat and long)						
4.3 Site name and address						
4.4 Frequency (ies)						
4.5 Height of Antenna						
4.6 Site equipment manufacturer						
4.7 Equipment model number						
4.8 Bit rate (Mbps)						
4.9 Bandwidth						
4.10 Antenna manufacturer						
4.11 Antenna model number						
4.12 Antenna gain						
Outstation (OS) parameters (For P-MP)	OS1	OS2	OS3	OS4	OS5	OSXX
4.13 Site name						
4.14 Site location (lat and long)						
4.15 Frequency (ies)						
4.16 Transceiver manufacturer						
4.17 Transceiver model						

9.3 Further information in support of application ¹⁸ :						
.....						
ADDITIONAL INFORMATION						

¹⁶ Information can include network details if available or anticipated numbers of terminals.

¹⁷ 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.

¹⁸ Information can include network details if available

DOCUMENTS TO BE ENCLOSED

Copy of the CR

Copy of the Corporate Card

Detailed Technical Specifications

Network Diagram¹⁹

Antenna Radiation Pattern

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

- a) that it currently or potentially has a major demand for frequency spectrum
- b) that it has the competence to manage the assigned frequencies / 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

DOCUMENTS TO BE ENCLOSED (FOR CANCELLATION)

Copy of receipt of final payment

Original license

Copy of the shipment document (Airway bill & packing list)

or

Declaration that equipment will be written-off under the supervision of ictQATAR staff

¹⁹ Wherever possible an initial / planned network diagram should be provided for information in support of the application.