



**NATIONAL COMMUNICATIONS AUTHORITY
(NCA), GHANA**

**Issue\Renew\Amendment of Ports
Operation and Coastal Station
Radio Frequency Spectrum
License**

NCA FORM AP07D

Application Fee
Receipt No:

(Please attach Receipt)

Date:

(Submission Date)

Application Checklist. Tick (x) in box

- A completed application form
- Cover Letter
- Any other Supporting Documents – Please list
- Please refer to Section 11 for required documents

Application Form for Issue\Renew\Amendment of Ports Operation and Coastal Station Radio Frequency Spectrum License

Type Of Application	
New	<input type="checkbox"/>
Renew	<input type="checkbox"/>
Modify	<input type="checkbox"/>
Cancel	<input type="checkbox"/>

- In case of **New license application**, please fill all sections below except section 12.
 - In case of **Modifying a license**, please fill the license number and the sections to be modified.
 - In case of **Renew or Cancel** please fill all sections 1 and 12.

License Number: _____
 (In case of Modifying a license)

Type of System	
<input type="checkbox"/> Coast Station	<input type="checkbox"/> Port Station

1.0 Administrative Information (to be filled by Applicant)	
Licensee/Applicant Name	
Customer ID (Fill "Applicant Identification form", in case you are a new applicant or you do not have your User ID) /	
Authorized Person	
Technical Contact	

2.0 Geographical information	
2.1	Site name
2.2	Longitude* <div style="text-align: center; margin-top: 10px;"> </div>
2.3	Latitude * <div style="text-align: center; margin-top: 10px;"> </div>

3. Station details	
3.1	Nature of Service (refer to Annex 1)
3.2	Designation of Emission
3.3	Requested Transmitter Output Power (W)

3.4	Receiver Sensitivity (dBm)	
3.5	Signal to Interference Ratio (dB)	
3.6	Antenna height AGL (m)	

4. Frequency information		
4.1	Number of required frequencies (Number of required frequency pairs in case of duplex operation)	
4.2	Frequency Range (MHz)	
4.3	Channel Bandwidth (KHz)	
4.4	Mode of operation	<input type="checkbox"/> Half Duplex <input type="checkbox"/> Duplex

5. Equipment Details		
5.1	Manufacturer of the main equipment *	
5.2	Model of the main equipment *	
5.3	Manufacturer of the standby equipment	
5.4	Model of the standby equipment	

6. Frequency information		
6.1	Manufacturer	
6.2	Model	
6.3	Antenna gain (dBi)	
6.4	Polarization	<input type="checkbox"/> CL - Left hand circular or indirect <input type="checkbox"/> CR - Right hand circular or direct <input type="checkbox"/> D - Dual <input type="checkbox"/> H - Horizontal Linear <input type="checkbox"/> L - Linear <input type="checkbox"/> M - Mixed <input type="checkbox"/> SL - Left hand slant <input type="checkbox"/> SR - Right hand slant <input type="checkbox"/> V - Vertical linear
6.5	Directivity	<input type="checkbox"/> Omni <input type="checkbox"/> Duplex
Directional Antenna (Fill only in case Directivity = Directional)		
6.6	Front-to-Back Ratio [dB]	
6.7	Vertical Beamwidth [°]	

6.8	Horizontal Beamwidth [°]	
6.9	Elevation of Maximum Radiation [°]	
6.10	Beam Direction	<input type="checkbox"/> Fixed (fill the field 9.11) <input type="checkbox"/> Rotational/ Swept (fill the field 9.12)
6.11	Azimuth of Maximum Radiation [°]	
6.12	Start / Finish Azimuths [°]	Start: _____ Finish: _____

7. Terminal equipment (Mobile/Handheld)

7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8
Description of Equipment	Manufacturer	Model	Eq. Frequency Range [MHz]	Max. Radiated Power (W)	Requested Frequency(ies)/ Range(s)	Quantity	Antenna gain (dBi)

8. System Users ID

8.1	8.2	8.3	8.4
National ID Number or Passport Number	Position	Name	Nationality

		___/___/___
		___/___/___
		___/___/___
		___/___/___
		___/___/___
		___/___/___
		___/___/___

Remarks:

- If needed please use more than one copy of this page.

10.0 Undertaking:

I/We hereby certify that the information supplied in this application form is true in all respects and I/We hereby give undertaking that upon grant of the Licence/Authorisation, I/We shall abide by the terms and conditions upon which the Licence/Authorisation is granted. I/We accept that my/our Licence/ Authorisation may be revoked and the appropriate penalty/ penalties applied if it is established that I/We have been granted Licence/Authorisation based on incorrect information. I/We further undertake to abide by all existing ITU Regulations and Communications laws of the country as well as other rules, regulations and directives that may be issued.

Date of Submission: ___/___/___
dd / mm / yy

Signature of Authorised Representative/Seal:

11.0 Attached Documents (to be attached by Applicant)

Document Name	Check if attached
Certificate of Registration from the Ghana Maritime Authority	
Any Other Relevant Document(s)	

12.0 For Administrative use Only

12.1 Authority Reference Number	
12.2 Name of Employee who received the application	

Date of Application receipt: ___/___/___
dd / mm / yy

Signature/Seal:

Annex 1

Nature of Service

AS-Station using adaptive system

AX-Fixed station used for provision of services

CO-Station open to official correspondence exclusively

CP-Station open to public correspondence

CR-Station open to limited public correspondence

CV-Station open exclusively to correspondence of private agent

FS-Land station established solely for the safety of life

HP-Fixed station using high altitude platform

MX-Fixed station used for transmission of meteorological information

OT-Station open exclusively to operational traffic of the service concerned

PX-Fixed station used for press transmission

RC-Non-directional radiobeacon

RD-Directional radiobeacon

RG-Radio direction-finding station

RT-Revolving radiobeacon

ST-Fixed station using tropospheric scatter

MARINE VHF FREQUENCY ALLOCATION

In Ghana, Marine VHF Frequency refers to the radio frequency range between 156.0 and 162.025 MHz, inclusive. In the official language of the International Telecommunication Union the band is called the VHF maritime mobile band.

Below is the table of allocation for Marine VHF Frequencies in Ghana

Channel No.	Transmitting Frequencies		Designated Use	Public Correspondences	Remarks
	From Ship Station	From Coast Station			
01	156.050	160.650	Port operations	*	
02	156.100	160.700	Port operations	*	
03	156.150	160.750	Port operations	*	
04	156.200	160.800	Port operations	*	
05	156.250	160.850	Port operations	*	
06	156.300	156.300	Intership SAR operations (Ship-to-Ship & Ship-to-Air)		This channel may be used by aircraft for coordinated search and rescue operations
07	156.350	160.950	Port operations	*	
08	156.400	156.400	Intership		
09	156.450	156.450	Intership		
10	156.500	156.500	Intership Port Operations		ERP should not exceed 1W
11	156.550	156.550	Port operations		ERP should not exceed 1W
12	156.600	156.600	Port Operations		
13	156.650	156.650	Intership navigation safety (Worldwide Navigational Safety)		
14	156.700	156.700	Port Operations		
15	156.750	156.750	On-board vessel Communication		ERP should not exceed 1W
16	156.800	156.800	International Distress, Urgency, Safety, & Hailing (Coast Stations maintain a listening watch on this channel)		This channel may be used by aircraft for coordinated search and rescue operations
17	156.850	156.850	On-board vessel Communication		ERP should not exceed 1W
18	156.900	161.500	Port Operations	*	
19	156.950	161.550	Port Operations	*	
20	157.000	161.600	Port Operations	*	
21	157.050	161.650	Port Operations	*	
22	157.100	161.700	Port Operations	*	
23	157.150	161.750	Port Operations	*	
24	157.200	161.800	Port Operations	*	

25	157.250	161.850	Port Operations	*	
26	157.300	161.900	Port Operations	*	
27	157.350	161.950	Port Operations	*	
28	157.400	162.000	Port Operations	*	
60	156.025	160.625	Port operations	*	
61	156.075	160.675	Port operations	*	
62	156.125	160.725	Port operations	*	
63	156.175	160.775	Port operations	*	
64	156.225	160.825	Port operations	*	
65	156.275	160.875	Port operations	*	
66	156.325	160.925	Port operations	*	
67	156.375	156.375	Intership Port Operations		
68	156.425	156.425	Port Operations		
69	156.475	156.475	Intership Port Operations		
70	156.525	156.525	Digital Selective calling for distress, safety and calling		This channel may be used by aircraft for coordinated search and rescue operations
71	156.575	156.575	Port Operations		
72	156.625	156.625	Intership		
73	156.675	156.675	Intership Port Operations		
74	156.725	156.725	Port Operations		
75	156.775	156.775	Port Operations		Restricted to navigation-related communications. ERP should not exceed 1W
76	156.825	156.825	Port Operations		Restricted to navigation-related communications. ERP should not exceed 1W
77	156.875	156.875	Intership		
78	156.925	161.525	Port Operations	*	
79	156.975	161.575	Port Operations	*	
80	157.025	161.625	Port Operations	*	
81	157.075	161.675	Port Operations	*	
82	157.125	161.725	Port Operations	*	
83	157.175	161.775	Port Operations	*	
84	157.225	161.825	Port Operations	*	
85	157.275	161.875	Port Operations	*	
86	157.325	161.925	Port Operations	*	
87	157.375	157.375	Port Operations		
88	157.425	157.425	Port Operations		

AIS 1	161.975	161.975	Automatic Identification System		This channel may be used by aircraft for coordinated search and rescue operations
AIS 2	162.025	162.025	Automatic Identification System		This channel may be used by aircraft for coordinated search and rescue operations

Key

Word	Definition
Public Corresponding	Any telecommunication which the offices and stations must, by reason of their being at the disposal of the public, accept for transmission.
Automatic Identification System (AIS)	An automated tracking system that displays other vessels in the vicinity. It is a broadcast transponder system which operates in the VHF mobile maritime band.