

DL8AAM's Utility-DXing "Network Profile Sheet"

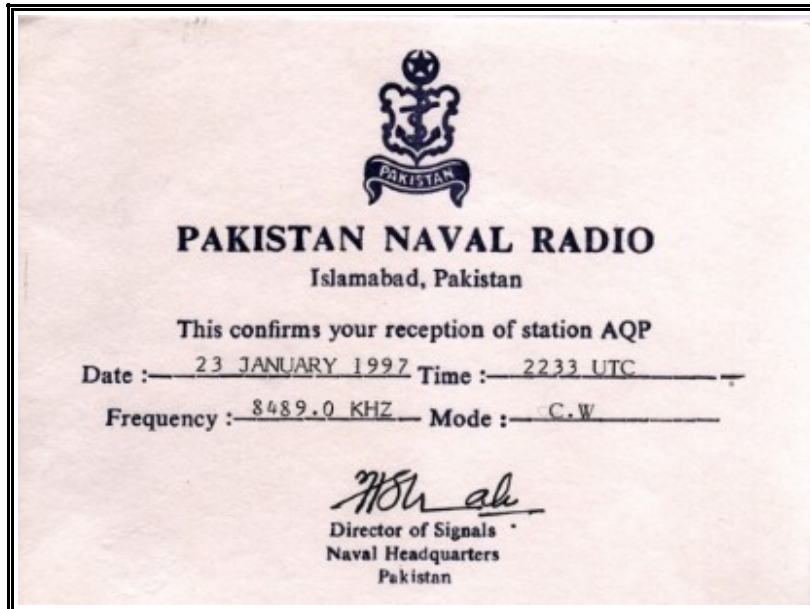


اسلامی جمہوریہ پاکستان

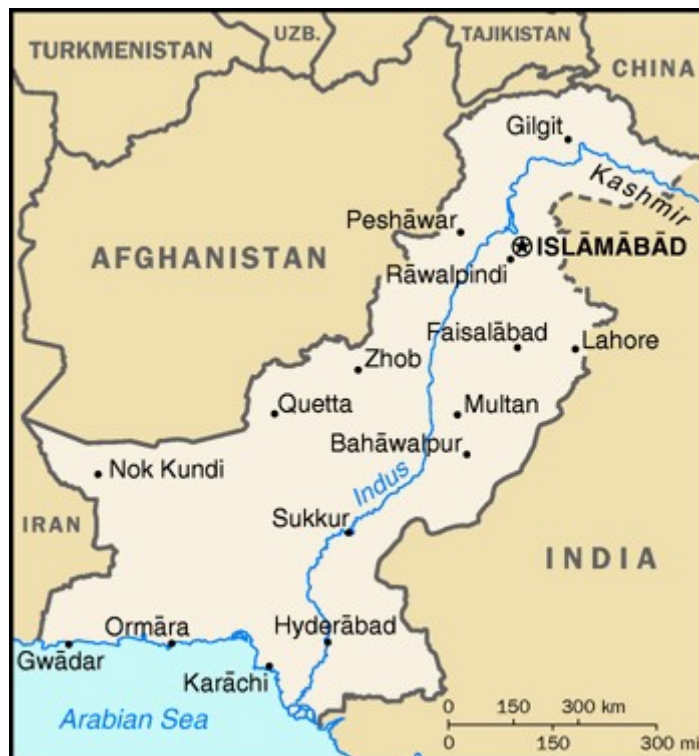


Pakistan

Ministry of Defence  
Pakistan Navy



From: <http://www.amarok-online.de/kurzwelle/logs/logs2.html>



From: QIP

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### a) ALE & PSK

02487.0            kHz (USB)  
 03590.0        **z**  
 04348.0  
 08143.0        **a**  
 10962.0        **a**  
 12876.0        **a**  
 13580.0

*„Pakistani Navy uses R&S XK2000 Series radios on selected vessels - the waveform used is the R&S proprietary 2400 Bd serial tone waveform.“  
 (Leif Dehio on UDXF, June 2010)*

KW	<b>a</b>	ARL	„Karachi Wireless“
NRS	<b>z</b>	APQ	Pakistan Naval Radio Islamabad
AHSAN	<b>c</b>		Pakistan Naval Station Ahsan, Ormara Hammer Head
COMSCHOOL1	<b>a</b>		„PN Communication School“ at Naval Station Bahadur
NATHIAGALI			Pakistan Naval Station Nathia Gali, Karachi

BABUR	<b>a</b>		Frigate	PNS Babur (F-182)
BADR	<b>a</b>		Frigate	PNS Badr (F-184)
HURMAT			Submarine	PNS Hurmat (S-136)
KHAIBAR	<b>a</b>		Frigate	PNS Khaibar (F-183)
LARKANA	<b>a</b>		Missile Boat	PNS Larkana
MOAWIN	<b>a</b>		Auxiliary	PNS Moawin (A-20)
MUJAHID			Minehunter	PNS Mujahid (M-164)
MUNSIF			Minehunter	PNS Munsif (M-166)
NASR			Auxiliary	PNS Nasr (A-47)
SHAHJAHAN	<b>a</b>		Frigate	PNS Shah Jahan (F-185)
SHANSHER1			Frigate	PNS Shamsheer (F-252)
SHUJAAT			Missile Boat	PNS Shujaat (P-1024)
TARIQ	<b>a</b>		Frigate	PNS Tariq (F-181)
TIPPUSULTAN		AROU	Frigate	PNS Tippu Sultan (F-186)
TSULTAN		AROU	Frigate	PNS Tippu Sultan (F-186)

### B) FACTOR

???	ARL2	„Karachi Wireless“ Naval Radio
08283.7 kHz USB/cf	ARL4	„Karachi Wireless“ Naval Radio

08283.7 ARL4: PAK Ny Station Karachi 1840 Factor-II/100Bd transm.  
 5LG's "ZCZC RFEUC JBRAL JZILD TPVMR..." (13/NOV/10) (KK)

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FRF                                      *unid*  
KCGO                                      *unid*

### C) Morse telegraphy („CW“)

06390.0	<b>a</b>	AQP4	Pakistan Naval Radio Islamabad
06391.0	<b>a</b>	AQP4	Pakistan Naval Radio Islamabad
06393.0		AQP4	Pakistan Naval Radio Islamabad
06394.0		AQP4	Pakistan Naval Radio Islamabad
08490.0		AQP5	Pakistan Naval Radio Islamabad
08491.0		AQP5	Pakistan Naval Radio Islamabad

06391            AQP4: Pakistan Naval Radio Islamabad 0321 CW w/EE "DRILL" msg  
                    "FM ARLF ii TO ARLK ii INFO ARLE". 10Jan11 (ALF)

06390:    " .... SAOOE 20/23 = GR30 + + II II AQPZ AQPZ II II NR PN415 NR  
PN415 II IXCP IXCP II PP II 232100 PN \_\_\_\_\_ 00 JAN GR45 GR45 = 9090  
9765 7654 5656 7865 7654 ..." (1645z 23Jan11, ALF)

"... 1700Z JAN FROM MET KARACHI TO ALL SHIPS ..." (23Jan2011 1710z)

### D) Phone („J3E“)

05646.0                                      mixed with feedback of the morse telegraphy marker for „AQP4/5“

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## Shore units

### PNS AHSAN

<http://www.paknavy.gov.pk/ahsan.htm>

The establishment is located on the highest ground of Ormara Hammer Head at a height of 1575 Feet. The unit acts as a coastal radar station for surveillance. PNS AHSAN was previously known as remote data station MIANWALI. The establishment is located on the highest ground of Ormara Hammer Head. PNS AHSAN was commissioned on 30 October 1991 by the Chief of the Naval Staff Admiral YASTUR-UL-HAQ MALIK NI(M) S.Bt.

Roles / Function of the unit are as under:

- a. Seaward Surveillance/Compilation of RMP
- b. Electronic Intelligence (ELINT) collection
- c. Act as Secondary MHQ
- d. Communication relay station
- e. Co-ordinate Air defence of Ormara complex
- f. Assist in SAR operations
- g. Re-fuelling facilities for helos
- h. Administrative support to PN units at JNB.
- j. Logistic support.

### PNS MAKRAN

Pasni is a coastal town of Balochistan district Gwadar

PNS MAKRAN was commissioned as a coastal Naval Air Station on 23 October 1988 ... The unit is spread over an area of 968 acres. In addition to this, 15 acres of land is located Gorani.

### PNS QASIM

Manora Fort is located at Manora Island in the west of Karachi.



### JINNAH Naval Base

The base is named after a great leader, founder of Pakistan, Quaid-e-Azam Mohammad Ali Jinnah. It is situated about 240 kilometers west of Karachi by sea. However, by road it is 350 km from Karachi and 285 km from Gwadar. (...) Ormara Naval Harbour is located at Ormara East bay within Jinnah Naval Base on northern side of the eastern tip of Ormara Hammerhead. The Harbour is fully operational since 1997 and provides repair and maintenance, fuel and other logistics supports to visiting PN ships/ Submarines.

## PNS BAHADUR

**PNS BAHADUR** is arguably the largest establishment in the Pakistan Navy. Its primary role is to conduct basic, mid career and advanced professional courses for all trades of operations branch and associated branches. All efforts are made to accommodate related requirements of Allied Navies and even our sister services.

PNS BAHADUR had started off initially with only four basic seaman branch schools namely Navigation & Ops, Surface Weapons, Underwater Warfare and Communication. Other facilities school/centre were progressively added to meet the requirements of PN as mentioned below:

- a. 1981 Navigation & Operations School
- b. 1981 Surface Weapons School
- c. 1981 Underwater Warfare School
- d. 1981 PN Communication School
- e. 1984 PN Hydrography School
- f. 1993 Electronic Warfare Training Centre (EWTC)
- g. 1993 PN School of Music
- h. 1997 Regulating and Provost School
- j. 1998 Academic Centre
- k. 2002 Information Warfare School

[http://www.paknavy.gov.pk/shore\\_units.htm](http://www.paknavy.gov.pk/shore_units.htm)

## Naval Base Nathia Gali (Karachi Region)



Navy Base @ Nathia Gali Beach

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### PNS RAHNUMA

PNS RAHNUMA is a Human Recourse Development Centre and achieves its aim through a number of courses aimed at developing the quality of the Human Resources in Pakistan Navy.



### PNS RAHBAR

Pakistan Naval Academy is the home of initial training of officers of Pakistan Navy. It has also provided basic training to about 2000 officers of Allied Navies. (...) in December 1970, Pakistan Naval Academy was commissioned as PNS RAHBAR at Manora.



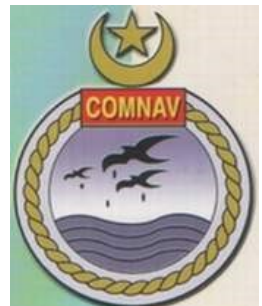
### PNS HIMALAYA

PNS HIMALAYA is situated in Manora which is an island at the entrance to Karachi harbour. It is connected by road and boat service to Karachi City, Various facilities of the Establishment are spread over 1.8 Kms along the sea front. Presently PNS HIMALAYA is entrusted with the primary task of providing Boot Camp Training to New Entry Sailors, The main objective of this training is to convert a young recruit into a tough and competent sailor who is able to withstand the rigours of the sea efficiently It also continues to meet the Diving Training requirements of PN and other friendly Navies. In addition to this training, PNS HIMALAYA provides Diving assistance to PN units and civilian authorities. It also conducts rescue operations during floods and emergencies.



### PNS MEHRAN

The first Naval Air Station, PNS MEHRAN is situated in Karachi, 10 KM from Quaid-e-Azam International Airport. Seaking helicopter was the first machine to fly from this Base. Atlantic and Alouette soon joined the Naval Air Arm. Naval Air Arm was earlier depended upon Pakistan Air Force and Pakistan Army to meet the training requirement of air and ground crew. Naval Air Arm is headed by Commander Naval Aviation (COMNAV). Under COMNAV there are four Head of Departments (HODs) namely Commander Air (Cdr Air), Commander Air Engineering Department (Cdr AED), Commanding Officer MEHRAN (CO MEH) and Officer Commanding Naval Aviation Training School (OC NATS). There are six squadrons under Cdr Air namely P3C Squadron (28 Sqn), Atlantic Squadron (29 Sqn), Fokker Squadron (27 Sqn), Seaking Squadron (111 Sqn) and Alouette Squadron (333 Sqn). All the operational/flying activities of the base are controlled by Cdr Air through the Officer Commanding of each Squadron. Cdr Air is further assisted by ops staff working directly under him. Cdr AED is responsible for the maintenance and technical efficiency of all the aircraft.



## PNS KARSAZ

PNS KARSAZ is arguably the largest establishment in the Pakistan Navy. Its primary role is to conduct basic, mid career and advanced professional courses for all trades of operations branch and associated branches. All efforts are made to accommodate related requirements of Allied Navies and even our sister services. PNS KARSAZ is a large complex, which is widely spread over 45.5 acres. It has the capacity to train about 1500 trainees at a time, and is the largest establishment of technical training in Pakistan Navy. The establishment houses the main building, four schools, auditorium, library, computer centre, language laboratory, sports fields, swimming pools, living spaces and spacious dining halls.



## PNS JAUHAR

Pakistan Navy Engineering College (PNEC) ([www.pnec.edu.pk](http://www.pnec.edu.pk)) ... the only constituent college of National University of Sciences & Technology (NUST) at Karachi. (...) The college is located at Habib Ibrahim Rehmatullah Road Karachi. It is 10km from Quaid-e-Azam International Airport and equally distant from Cantt Railway Station.



## PNS SHIFA

Pakistan Navy started the training school named as sick berth attendants in 1953. It was re-designated as "Medical Assistant Training School" in 1970. The name of Pakistan Navy Nursing School was conceived in 1982 when the Female Nursing Cadets and Armed Forces Nursing Services (AFNS) trainee officer were also attached for various professional courses. Recently; keeping in view the role of hospital / school in imparting post-graduation training to medical officers, the name has been changed to Pakistan Navy Medical Training School.

## PNS IQBAL

PNS IQBAL is the headquarter of commander SSG(N). The commander SSG(N) is placed under the command of Commander Coastal areas.

SSG(N) comprises of three sub commands.

CO PNS IQBAL  
CO SEAL  
CO VBSS

PNS IQBAL houses HQ SSG(N) and is the logistic support to HQs SSG (N), SEAL and VBSS segments in their bases and field areas. The maintenance of all sea transport, VBSS boats are provide by PNS IQBAL. The training and medical setup is also located at PNS IQBAL.



## Fleet composition

(from wikimedia.org)



PNS Zulfiqar



PNS Shahjahan



PNS Tippu Sultan



PNS Larkana Class Missile Boat



MILGEM Corvette



Babur Cruise Missile



Mclanery (ASW) Class for Pakistan Navy (Aug'10)



Harpoon Block II test firing.



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A Pakistan Navy Hover Craft



Z-9C

Ship	Quantity	Service entry	Comments
<b>Frigates</b>			
<b><u>F-22P Zulfiqar class</u></b>	<b>4</b>	<b>2009</b>	PNS Zulfiqar delivered August 2009.
F-251 PNS Zulfiqar		2009	
F-252 PNS Shamsheer			PNS Shamsheer delivered December 2009. PNS Saif on trial will be delivered in June/Jul 2010.
F-253 PNS Saif			
F-254 (under construction)			
<b><u>Tariq class</u></b>	<b>6</b>	<b>1990s</b>	
F181 <u>PNS Tariq</u>			
F182 <u>PNS Babur</u>			
F183 <u>PNS Khaibar</u>			
F184 <u>PNS Badr</u>			
F185 <u>PNS Shah Jahan</u>			
F186 <u>PNS Tippu Sultan</u>			
<b><u>Oliver Hazard Perry class</u></b>			
PNS Alamgheer	<b>4</b>	<b>2010</b>	4 to be transferred
<u>USS McInerney (FFG-8)</u>			

<b>Mine Hunters</b>	
4	<u>Eridan class</u> Mine Hunter vessels <ul style="list-style-type: none"> <li>• <u>M164 Mujahid</u></li> <li>• <u>M166 Munsif</u></li> <li>• <u>M167 Muhafiz</u></li> <li>• <u>M168 Mahmood</u></li> </ul>
<b>Missile Boats</b>	

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6	<p>Jalalat class</p> <ul style="list-style-type: none"> <li>• <a href="#">P1023 PNS Jurrat</a></li> <li>• <a href="#">P1028 PNS Quwwat</a></li> <li>• <a href="#">P1022 PNS Jalalat</a></li> <li>• <a href="#">P1024 PNS Shujat</a></li> <li>• P1029 ?</li> <li>• P1030 ?</li> </ul>
5	<p>Larkana class</p> <ul style="list-style-type: none"> <li>• <a href="#">PNS Larkana</a></li> </ul>
3	<p><a href="#">Sabqat class (huangefeng)</a></p> <ul style="list-style-type: none"> <li>• P1025 PNS Azmat</li> <li>• P1026 PNS Deshmat</li> <li>• P1027 PNS Himmat</li> </ul>
1	<p><a href="#">Hegu class</a></p> <ul style="list-style-type: none"> <li>• P1021 PNS Haibat</li> </ul>
1	<p>?</p> <ul style="list-style-type: none"> <li>• PNS Rajshahi</li> </ul>
<b>Multi Role Tactical Platform</b>	
2	<p>MRTP-33</p> <ul style="list-style-type: none"> <li>• PNS Zarrar</li> <li>• PNS Karrar</li> </ul>
2	<p>MRTP-15</p> <ul style="list-style-type: none"> <li>• P01 PNS ?</li> <li>• P02 PNS ?</li> </ul>
<b>Auxiliary</b>	
1	<p>Fuqing class</p> <ul style="list-style-type: none"> <li>• A47 PNS Nasr                      Fleet Oil Tanker</li> </ul>
1	<p>Poolster class</p> <ul style="list-style-type: none"> <li>• A20 PNS Moawin              9th Auxiliary Squadron</li> </ul>
2	<p>Coastal tankers</p> <ul style="list-style-type: none"> <li>• PNS Kalamat (coastal oil tanker cum cargo vessel)</li> <li>• PNS Gawadar</li> </ul>

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1	Hydrographic Survey Vessel <ul style="list-style-type: none"> <li>• PNS Behr Paima</li> </ul>
1	Dredging Vessel (Trailer Suction Hopper Dredger „TSHD“) <ul style="list-style-type: none"> <li>• PNS Behr Khusha</li> </ul>
2	Small tanker cum utility ship (STUS) <ul style="list-style-type: none"> <li>• PNS ? (launched)</li> <li>• PNS ? (underconstruction)</li> </ul>
<b>Training vessel</b>	
1	<a href="#">Leander class frigate</a> <ul style="list-style-type: none"> <li>• F262 PNS Zulfiqar</li> </ul>
<b>Hover Crafts</b>	
12	<a href="#">Griffon</a> class
<b>Patrol boats</b>	
12+ 5	12 Gulf Crafts and, 5 patrol boats USA delivered as donation on 13 Feb 2010 at Karachi.

**Submarines**

A total of five active diesel electric submarines plus 3 midget submarines, MG110 are in the Naval inventory. These include:

submarine

3	<a href="#">Agosta 90B class submarine</a> <ul style="list-style-type: none"><li>• PNS/M Khalid</li><li>• PNS/M Saad</li><li>• PNS/M Hamza</li></ul>
2	<a href="#">Agosta 70</a> <ul style="list-style-type: none"><li>• PNS/M Hasmat</li><li>• PNS/M Hurmat</li></ul>