

Sonatrach HF-Network

by Ary Boender
© Utility Dxers Forum – UDXF
www.udxf.nl
Revision date: 4 May 2018



Sonatrach is short for the *Société Nationale pour la Recherche, la Production, le Transport, la Transformation, et la Commercialisation des Hydrocarbures* and is an Algerian government-owned company formed to exploit the hydrocarbon resources of the country. It has concessions in Algeria, Libya, Mauritania, Peru, Yemen and Venezuela. The company covers all aspects of the production of gas and oil, including the exploration, extraction, transport, and refining.

Communication between the various parts of the organization are carried out on HF. When the net was first discovered in 2000 it was thought that it was a net of the Ministry of Interior because the calls were similar to the ones that the MOI used back then. The ALE calls in 2000 were different from the calls that we see nowadays. Some of the calls indicated locations in Algeria, pipelines (LR1 is a LPG pipeline) and pumping stations (SP means Station de Pompage). Most of these calls disappeared in 2008 and the new SPxx calls appeared. The 4-figure calls were first heard in 2012.

Further info about Sonatrach:

This pdf shows all the pipelines and stations on various maps: <http://www.sonatrach.com/PDF/code.pdf>
Sonatrach website: <http://www.sonatrach.com/en/>

Frequencies:

3336, 4592, 5410, 5418, 5853, 6790, 7739, 7813, 7823, 10275 kHz

Modes:

MIL-STD-188-141B ALE (USB and LSB)
CCIR 493-44 100Bd / 170Hz (USB and LSB)
Voice

Note:

The GRxx and SPxx idents are only transmitted in LSB while the others are sent in both USB and LSB.

Current ALE calls:

GR20RX	GR2 Pipeline
SP1OZ2	Pumping Station 1, Haud El Hamra-Arzew (OZ2) Crude Pipeline
SP2OZ2	Pumping Station 2, Haud El Hamra-Arzew (OZ2) Crude Pipeline
SP3OZ2	Pumping Station 3, Haud El Hamra-Arzew (OZ2) Crude Pipeline

3127 3404
4011 4017 4026 4042 4050
4200 4202 4203 4204 4212 4216 4227 4236 4237 4245
5025
7832

Old ALE calls:

ALG	Algiers
ALRARGPL	Alrar
AMC	
BORMA	Hamadet El Borma or El Borma
CNDG	National Gas Despatch Center, Hassi-R'Mel
DEB	Debdeba
DEBDEB30P	Debdeba
GASSI30P	Hassi el Gassi, Gassi El Adem or Gassi Touil
GASSIGPL	Hassi el Gassi, Gassi El Adem or Gassi Touil
GR1GPL	GR1 Gas Pipeline
GR20RX	GR2 Pipeline
GT	Gassi Touil
HAMRA	El Hamra
HAMRAGPL	Haoud El Hamra Gas Pipeline
HBK	Hassi Berkine or Hassi Berksoul
HEH	Haoud El Hamra
HEHGPL	Haoud El Hamra Gas Pipeline
HMD	Hassi Messaoud
HR	Hassi R'Mel
INA	In Amenas
INAS30P	In Amenas
INS	In Salah
MED	Medera
MEDER30P	Medera
NOU	Nouss
OHT	Ohanet
OHT1GPL	Ohanet Gas Pipeline
OHT30P	Ohanet
RNO	Rhourde El Nouss
RNOUSLR1	Rhourde Nouss LR1 pipeline
RNS	Rhourde Nouss
SP1	Pumping Station
SP130P	Pumping Station
SP2	Pumping Station
SP228	Pumping Station
SP3	Pumping Station
SP328	Pumping Station
SP4	Pumping Station
SP428	Pumping Station
TFT	Tin Fouye Tabankort