

**BRITISH DX CLUB**

# **AFRICA ON SHORTWAVE**



**COMPREHENSIVE COUNTRY-BY-COUNTRY GUIDE TO CURRENT  
DOMESTIC AND EXTERNAL SHORTWAVE BROADCASTS FROM  
AFRICA, INCLUDING OPPOSITION AND SELECTED TARGET  
BROADCASTS TO THE AFRICAN CONTINENT**

**SEPTEMBER 2009**

## ALGERIA

### RADIO ALGÉRIENNE

Radio Algérienne is part of Entreprise Nationale de Radiodiffusion Sonore and operates three main networks in Arabic, Berber and French, as well as other local networks and stations throughout the country. Shortwave transmissions currently consist of relays of Algerian radio's home service in Arabic only via transmitters in France.

**Address:** Radio Algérienne, 21 Boulevard des Martyrs, Algiers, Algeria.

**Web:** www.algerian-radio.dz

**Email:** info@algerian-radio.dz

**Transmitter Site:** Issoudun, France - 500 kW

Times/UTC	Days	Lang.	Target	Freq/kHz
0400-0500	Daily	Arabic	North Africa/Sahel	5865
0500-0600	Daily	Arabic	North Africa/Sahel	5865 7295
0600-0700	Daily	Arabic	North Africa/Sahel	7295
1800-1900	Daily	Arabic	North Africa/Sahel	11775
1900-2000	Daily	Arabic	North Africa/Sahel	9375
2000-2100	Daily	Arabic	North Africa/Sahel	7495
2100-2200	Daily	Arabic	North Africa/Sahel	5875 7495
2200-2300	Daily	Arabic	North Africa/Sahel	5875

**Note:** frequencies effective 6 September-24 October 2009.

Radio Algérienne's own shortwave transmitters were last reported in late 2000. In 2003, Bassil Ahmad Zoubi of the Arab States Broadcasting Union confirmed that Algiers had ceased shortwave broadcasts of their own "until further notice" because of technical problems, according to a HFCC Report by Jeff White in a NASB Newsletter of that year.

In early 2006 Radio Algérienne signed a contract with VT Communications for its "Holy Qur'an" service to be relayed via shortwave transmitter sites in the UK (and later Sines, Portugal). At the same time, Radio Algérienne was also occasionally relayed via TDF Issoudun in France. TDF relays became permanent in October 2008 and VTC relays were discontinued in December 2008.

Speaking at a seminar on the future of radio in early March 2009, the Algerian Secretary of State for Communications and former director of Algerian Radio, Azzedine Mihoubi said "For radio, our strategy is to provide multiple applications and usages in a multi-media environment. Radio will benefit from a national FM network with some 300 retransmitters to fill shadow zones, and the installation of an international centre for shortwave broadcasting" (Radio World April 2009 issue via BDXC Communication)

### NATIONAL RADIO OF THE SAHARAN ARAB DEMOCRATIC REPUBLIC

Operated by the Polisario Front in support of independence for Western Sahara. National Radio of the Saharan Arab Democratic Republic began shortwave transmissions in 1993. It is the only shortwave radio station currently broadcasting from Algeria itself. The shortwave transmitter is located in the south-western Algerian town of Tindouf, near to the border with Western Sahara. The station is also widely heard in North Africa and Europe on MW 1550 kHz. See 'Western Sahara' for schedule.

## ANGOLA

### RADIO NACIONAL DE ANGOLA

Radio Nacional de Angola is the official government-operated radio station in Luanda.

**Address:** Radio Nacional de Angola, CP 1329, Luanda, Angola.

**Web:** www.rna.ao

**Email:** rna@rna.ao

**Transmitter Site:** Luanda-Mulenvos - 15/25 kW

#### **CANAL A**

Times/UTC	Days	Language	Target	Freq/kHz
24 hours	Daily	Portuguese	Domestic	4950v

**Note:** Reactivated in May 2009 after being off-air since October 2008.

## RADIO N'GOLA YETU

Times/UTC	Days	Language	Target	Freq/kHz
24 Hours	Daily	National Languages	Domestic	7217v

**Note:** Radio N'Gola Yetu may relay programmes from Canal A in Portuguese at certain times.

In recent years, Radio Nacional de Angola has only broadcast on the two shortwave frequencies stated above: 4950v and 7217v kHz. In July 2006 it was reported that RNA was to get two new shortwave transmitters. Glenn Swiderski, a representative of a US company called the LBA Group, reported to Glenn Hauser's DX Listening Digest that LBA had sold to Angola two shortwave transmitters of 25 kW each made by Elcor. One was for single frequency 4950 kHz; the other dual frequency 7245/11955 kHz. It is thought that one of these new transmitters was introduced for RNA's coverage on 4950v kHz, with an older 15 kW unit continuing to operate on 7217v kHz.

There is no other shortwave broadcasting in Angola at the current time. RNA's International Service in French, English, Portuguese and Lingala is no longer heard on shortwave. Regional broadcasting stations on shortwave declined in number throughout 1980's with Benguela and Lobito lasting until the early part of the 1990's.

For many years the UNITA rebel movement led by Jonas Savimbi had a radio station that was widely heard on SW. **A Voz da Resistencia do Galo Negro** (The Voice of the Resistance of the Black Cockerel) was located in Jambas, the UNITA stronghold in south-eastern Angola. It was last heard in 1999 just before the town was overrun by Angolan government troops. Savimbi was killed in 2002 and as such UNITA's armed struggle against the ruling MPLA government ceased.

More recently, the Luanda-based Catholic FM radio station **Radio Ecclesia** had been on SW broadcasting to Angola rather than from within it. Whilst their SW licence was pending approval by the Angolan government, they had hired airtime from transmitters in Madagascar, Germany and finally until 2003 in South Africa. Radio Ecclesia continues on FM in Angola.

## TARGET BROADCAST TO ANGOLA

### VOA MULTIPRESS - VISÃO ANGOLA (Vision Angola)

Multipress is a local media organisation in Angola formed in 2005. It is supported by USAID to produce and broadcast news, information, debates and interviews about Angola through the Voice of America.

**Addresses:** Multipress, Rua Marien Ngouabi, 53, 2° C Maianga, Luanda, Angola.

**Web:** www.multipress.info

**Email:** multipress02@yahoo.com

**Transmitter Sites:** B - Moepeng Hill, Botswana, 100 kW; G - Greenville, NC, USA - 250 kW; S - Pinheira, Sao Tome, 100 kW

Times/UTC	Days	Language	Target	Freq/kHz
1700-1730	Daily	Portuguese	Angola	11960-S 12080-B 15740-G

**Note:** also on MW 1530 kHz via Sao Tome relay.

## ASCENSION ISLAND

### BBC ATLANTIC RELAY STATION

The BBC World Service opened its overseas shortwave relay station on Ascension Island in 1966, with four 250 kW transmitters becoming fully operational by spring 1967. This improved coverage to Africa and Latin America. Two additional 250 kW transmitters were moved from Daventry to Ascension Island in 1988. Nowadays the relay station is operated by VT Communications, formed from the privatisation of the BBC World Service transmitter sites, and includes relays of the BBC and other VTC clients.

**Address:** BBC Atlantic Relay Station, English Bay, Ascension Island.

**Transmitter Site:** English Bay - 6 x 250 kW.

**Stations relayed for A-09:** BBC World Service, Deutsche Welle, Voice of America, Radio Prague, Family Radio, FEBA Radio, Trans World Radio - Africa.

Times/UTC	Days	Station	Language	Target	Freq/kHz
0000-0030	Daily	R Prague	Spanish	South America	7275
0000-0300	Daily	Family R	English	South America	7335 9420
0300-0400	Daily	BBC	English	Southern Africa	6005

0300-0600	Daily	BBC	English	West/Central Africa	7255
0400-0430	Daily	BBC	Swahili	East Africa	7205
0400-0706	Daily	BBC	English	West Africa	6005
0430-0500	Daily	BBC	French	Central Africa	6035 7375
0430-0530	Mon-Fri	BBC	Portuguese	Southern Africa	5940
0500-0530	Daily	Voice of America	Hausa	West Africa	6045
0530-0600	Daily	BBC	Hausa	West Africa	6135 7205 9610
0600-0630	Daily	BBC	French	Central Africa	7205
0600-0630	Daily	BBC	French	West Africa	6105
0600-0700	Daily	BBC	English	West/Central Africa	9410
0600-0700	Daily	BBC	English	West/Central Africa	11765
0630-0700	Daily	BBC	Hausa	West Africa	9440 11750
0700-0730	Daily	BBC	French	West Africa	12095
0700-0800	Daily	BBC	English	West Africa	11765
0700-0800	Daily	BBC	English	West/Central Africa	13820
0700-0800	Daily	BBC	English	West/Central Africa	15400
0800-1130	Daily	BBC	English	West Africa	15400
0800-1800	Daily	BBC	English	West/Central Africa	17830
0830-0900	Daily	TWR Africa	French	West/Central Africa	11985
1200-1230	Daily	BBC	French	Central Africa	21630
1200-1230	Daily	BBC	French	West Africa	17780
1300-1700	Daily	BBC	English	Southern Africa	17640
1345-1415	Daily	BBC	Hausa	West Africa	15105 17780 21630
1500-2100	Daily	BBC	English	West Africa	15400
1600-1700	Daily	Deutsche Welle	French	West/Central Africa	21840
1600-1800	Daily	BBC	English	West/Central Africa	17795
1700-1800	Daily	Family R	English	East Africa	17545
1800-1830	Daily	BBC	French	West/Central Africa	15105 17660 17885
1800-1900	Daily	Family R	Igbo	West/Central Africa	11875
1800-2000	Daily	BBC	English	West/Central Africa	11810
1830-1930	Daily	Family R	French	West Africa	17585
1900-2000	Daily	Family R	English	West/Central Africa	11855
1930-2000	Daily	BBC	Hausa	West Africa	11955 15105 17885
2000-2100	Daily	BBC	English	West/Central Africa	11810
2000-2100	Daily	Family R	English	Central Africa	15195
2030-2100	Mon-Fri	BBC	Portuguese	Southern Africa	11855
2100-2200	Daily	Family R	English	Central Africa	12055
2100-2300	Daily	BBC	English	West/Central Africa	9915 12095
2145-2215	Thu/Fri	FEBA R	Pulaar	West Africa	11985
2200-0100	Daily	Family R	English	South America	9835

## BENIN

**Radio Nationale du Benin** is the government-controlled radio service of Benin. It has not positively been heard on shortwave since 2006, although Anker Petersen had tentative reception of a station that may have been Benin on 7210 kHz whilst in Dakar, Senegal, in March 2009. As well as 7210 kHz, Radio Benin's past shortwave frequencies include 4870 kHz.

**Radio Parakou**, an ORTB regional station, has not been heard on shortwave since January 2009. It had been on 5025 kHz, with 7190 kHz an earlier daytime frequency.

**Trans World Radio** is currently awaiting a licence to commence shortwave operations from its site at Parakou. Jari Savolainen in DSWCI DX Window commented on 19 February 2009 that they are hoping it will be granted during 2009. After the licence is secured, it will take a year or more for fund raising and constructing. TWR is already on-air from Parakou on mediumwave 1566 kHz with a 100 kW transmitter.

# BOTSWANA

**Radio Botswana** is currently inactive on shortwave. Vashek Korinek in South Africa reported in January 2006 that Mr Kingsley Reetsang of Radio Botswana had said that they were implementing a comprehensive network of FM transmitters all over the country. Once these were in place they would do the necessary measurements and assess the situation. If the FM and AM networks did not cover Botswana 100%, a return to shortwave would be considered, otherwise the shortwave broadcasts would be abandoned permanently. However, in a report dated 14 May 2007 by the Botswana Press Agency (via Media Network Weblog), Reetsang acknowledged that shortwave transmitters that were used in the past have since aged, leaving areas without access to radio. He said it is not easy for his department to repair the transmitters, as doing so would be uneconomic. Part of the reason, he said, is because the world is experiencing a transition to digital technology and "these new technologies are being tested by big technological companies. Once they bear positive fruits we follow suit".

Radio Botswana's past shortwave frequencies have included: 3356, 4820, 7255, and 9595 kHz.

## **IBB/VOICE OF AMERICA RELAY STATION BOTSWANA**

IBB/VOA Relay Station was opened in 1991.

**Address:** IBB-Botswana Transmitter Plant, Private Bag 0038, Selibe-Phikwe, Botswana.

**Email:** manager\_Botswana@bot.ibb.gov

**Transmitter Site:** Moepeng Hill - 4 x 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0300-0330	Mon-Fri	Swahili	East Africa	7380
0300-0400	Daily	English	Africa	9885
0300-0600	Daily	English	Southern Africa	4930
0330-0400	Daily	Somali	Horn of Africa	15430
0500-0700	Daily	English	Africa	12080
0530-0630	Mon-Fri	French	Africa	9885
0700-0730	Daily	Hausa	West Africa	11785
1400-1500	Daily	English	Africa	17740
1400-1700	Daily	English	Southern Africa	4930
1500-1530	Daily	Hausa	West Africa	13750
1500-1600	Daily	English	Africa	13570
1500-1600	Daily	English	Africa	17895
1530-2200	Daily	English	Africa	15580
1600-1630	Daily	Somali	Horn of Africa	15430
1600-1700	Daily	English	Africa	12080
1630-1730	Daily	Swahili	East Africa	9815
1700-1720	Fri-Sun	Shona - Studio 7	Southern Africa	4930
1700-1730	Daily	Portuguese	Africa	12080
1700-1730	Mon-Thu	Shona - Studio 7	Southern Africa	4930
1720-1740	Fri-Sun	English - Studio 7	Southern Africa	4930
1730-1800	Daily	Portuguese	Africa	15730
1730-1800	Mon-Thu	English - Studio 7	Southern Africa	4930
1740-1800	Fri-Sun	Ndebele - Studio 7	Southern Africa	4930
1800-1830	Fri	Live Talk - Studio 7	Southern Africa	4930
1800-1830	Mon-Thu	Ndebele - Studio 7	Southern Africa	4930
1800-1830	Sat/Sun	English	Southern Africa	4930
1800-1900	Daily	English	Africa	11975
1800-2030	Daily	English	Africa	9885
1830-2100	Daily	English	Southern Africa	4930
1900-2030	Daily	French	Africa	9815
2030-2100	Mon-Fri	Hausa	West Africa	15185
2030-2100	Sat/Sun	French	Africa	15225
2100-2130	Mon-Fri	French	Africa	9815

## BURKINA FASO

**Radiodiffusion du Burkina** is the government-controlled radio service of Burkina Faso. It has not been heard on shortwave since October 2008. The morning/evening frequency was 5030 kHz, with 7230 kHz in use during daytime.

There has been only brief shortwave clandestine radio activity. This was back in 1983 when the **Voice of the Upper Voltan Popular Revolution** was heard from a transmitter believed to be located in Libya.

As part of a joint project with HCJB, **Trans World Radio** was seeking permission to set up a new shortwave transmission facility in Burkina Faso in 1999 which would have improved reception in West Africa. A HCJB supporter had apparently donated funds for a 100 kW transmitter but the project did not materialise.

## BURUNDI

**Radio Burundi** is inactive on shortwave. The 100 kW transmitter at Gitega was last reported in mid-2003 on 6140 kHz. They also used 3300 kHz in the past.

Burundi was also the home of **Radio Cordac**, a well-known Protestant missionary radio service directed to listeners throughout Central Africa. Radio Cordac was silenced in 1977 when the Burundi government decided to no longer permit private radio stations.

## CAMEROON

### RADIO BUEA (CRTV Regional Station)

It has been confirmed by listeners in Nigera that the CRTV regional station in Buea is still operating on shortwave, at least during daylight hours. James MacDonell in Niger State, Nigeria, reported the following to DX Listening Digest on 20 March 2009: "Cameroon is indeed still on the air on 6005 with poor audio including a distinctive hum. Some observations from 6005 kHz: 14/03/2009, 0700, audio heard under BBCWS. 0706, Cameroon in the clear, distorted audio, unidentified language; 16/03/2009, 1300, tone jingle, talk (news headlines) in English, followed by French. 1305, ID in English "The National Station of the CRTV", then listing of FM frequencies in major cities but no mention of shortwave. 1307 programme in English about the Pope's upcoming visit to Cameroon; 16/03/2009, 1700, heavy interference from Russia and Iran but Cameroon still heard briefly underneath, then transmitter seemed to go off. I'm not surprised the signal isn't getting out very far. At my location in Niger State, Nigeria, it is not strong. Reception is a little better in a location I visit further east in Nigeria. It may be that they sign off 6005 at 1700. I have not been able to find any night time frequency". (James MacDonell, Nigeria, 20 March 2009, DXLD)

**Transmitter Site:** Buea, South-West Province.

Times	Days	Language	Target	Freq/kHz
0700-1700	Daily	English/Vernaculars	Domestic	6005

**Note:** early morning/evening frequency used in the past was 3970 kHz.

Shortwave broadcasting from **Cameroon Radio and Television (CRTV) National Service** has ceased. The main station at **Yaounde** was last heard in early 2000 on 4850 kHz.

Shortwave services from the CRTV regional stations at **Bafoussam**, **Bertoua**, **Douala**, and **Garoua**, are also believed to be inactive. The CRTV website indicates that these regional stations are now FM only.

### TARGET BROADCAST TO CAMEROON

#### SAWTU LINJIILA (Radio Voice of the Gospel)

Sawtu Linjiila is a broadcast from the Lutheran World Federation for Fulani listeners in West Africa.

**Address:** Sawtu Linjiila, Centre Multimedia Chrétien, BP 02, Ngaoundéré, Cameroon.

**Transmitter Site:** Wertachtal, Germany - 500 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1830-1900	Daily	Fulani	West Africa	9655

## CANARY ISLANDS

**Radio Nacional de Espana** once operated a shortwave relay station at Mesas, Tenerife, between 1964 and 1988 with two 50 kW SW transmitters for relays to the Americas.

In 2002 unauthorised broadcasts commenced from the **Full Gospel Las Palmas Church** over a 100 Watt transmitter on 6715 kHz usb (later 6719) with relays of Church Services for Korean seafarers in the Atlantic. These, however, were last heard in late 2003 and have not been reported since.

## CAPE VERDE

**Radio Nacional de Cabo Verde** (A Voz do Sao Vicente) was seemingly last reported in late 1989 on 3930 kHz from a 10 kW transmitter. The last entry for shortwave in the WRTH was in the 1991 edition where it stated that the station was inactive on 3930.1 kHz.

## CENTRAL AFRICAN REPUBLIC

### RADIO CENTRAFRIQUE - RADIODIFFUSION-TELEVISION CENTRAFRICAINE

Radio Centrafrique is the government-controlled radio service of the Central African Republic.

**Address:** Radio Centrafrique, BP 940, Bangui, Central African Republic.

**Web:** [www.radiocentrafrique.org](http://www.radiocentrafrique.org)

**Transmitter Site:** Bangui-Bimbo.

Times/UTC	Language	Target	Freq/kHz
0600v-1630v	French/Vernaculars	Domestic	7220

Radio Centrafrique has reportedly been heard signing-on shortly after 0600 UTC on 7220 kHz and is believed to broadcasting during daytime only on shortwave. This transmitter has also operated in the past on 5035/6100 kHz during early morning/evenings.

In late 2004/early 2005, Radio Centrafrique was relayed by TDF Issoudun in France from a 500 kW SW transmitter with domestic programming beamed back to the Central African Republic between 1700-2300 UTC on 9590 kHz with information leading up to elections in the country in May 2005.

### RADIO ICDI (Integrated Community Development International)

ICDI is a Christian ministry founded by Jim Hocking in 2003. Official broadcasts started on 1 March 2007 with Christian programming and community health information.

**Address:** Radio ICDI, BP 362, Bangui, Central African Republic.

**Web:** [www.icdinternational.org](http://www.icdinternational.org)

**Email:** [radioicdi@gmail.com](mailto:radioicdi@gmail.com)

**Transmitter Site:** Boali - 1 kW.

Times/UTC	Days	Languages	Target	Freq/kHz
0500-0800	Mon-Fri	French/Sango/Fulfude/Bayaka	Domestic	6030
1600-1900	Mon-Fri	French/Sango/Fulfude/Bayaka	Domestic	6030

In 1998, **Radio MINURCA** had been established by the UN in the Central African Republic to provide information to the public in the run-up to elections in the country. It operated initially from a main SW transmitter capable of 20 kW on 9900 kHz (this subsequently had technical problems and power was much reduced) and a low power transmitter of around 100 Watts on 5900/9500 kHz, as well as FM. Radio MINURCA closed on 1st February 2000 and the equipment shipped to Sierra Leone for the UN mission there.

The replacement for Radio MINURCA was **Radio Ndeke Luka**, established by the French-based Fondation Hirondelle with the intention of acting as a link between the UN, NGOs and the population. It commenced transmissions first on FM and then on SW in 2003 via a VT Communications-operated transmitter in the UK. The SW relay was cancelled in July 2005. but continues on FM in Bangui.

## CHAD

### RADIODIFFUSION NATIONALE TCHADIENNE (RADIO CHAD)

Radiodiffusion Nationale Tchadienne is the government-controlled broadcasting service of Chad.

**Address:** RNT, BP 892, N'djamena, Chad.

**Transmitter Site:** N'djamena-Gredia - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0430-0730	Daily	French/Arabic/Vernaculars	Domestic	6165
0730-1030	Sat/Sun	French/Arabic/Vernaculars	Domestic	6165
1030-2230(-2300 Sat)	Daily	French/Arabic/Vernaculars	Domestic	6165

**Note:** inactive on shortwave as of late August 2009.

alternative frequencies: 4905 kHz (morning/evening) and 7120 kHz (daytime)

**New 250 kW shortwave transmitter inaugurated in January 2008** (from "Medium Wave Trends, Global Networking, Antenna Innovations" - Thomson BMAG/Thomson Grass Valley; Radio News Spring 2008, issue 29; 28 April 2008): We are especially proud of the successful completion of a challenging shortwave project for RNT (Radiodiffusion Nationale Tchadienne) in Chad. Since beginning of January, the government owned and operated radio station at Gredia is broadcasting to the entire country with a new Thomson 250 kW shortwave transmitter and 3 quadrant antennas. In spite of the critical political situation on site, Thomson teams worked selflessly around the clock to put the new equipment on air. Such times of political turbulence testify to the strategic importance of AM radio, when shortwave is often the only reliable band connecting a country with the rest of the world. Radio broadcasting is crucial for the dissemination of information in Chad. It is the main source for news and entertainment right throughout the country for most people due to the fact that the national television station is available only in the capital city area. Our mission is to supply our customers with reliable transmission equipment that supports cost-efficient media implementation. Our products are based on the newest technologies, designed to work well in even the most difficult conditions and optimized for the best signal on air for digital or analog platforms (via BC-DX)

There is no longer any regional shortwave broadcasting in Chad. **Radio Moundou** (5286 kHz) and **Radio Abeche** (5900 kHz) both left shortwave during the 1990's.

Disputes with Libya and Sudan in the 1980's saw the appearance of a few related radio stations and programmes, either aimed at or originating from Chad. The most well-known of these was **Radio Bardai** which claimed to operate from the rebel-held stronghold of Bardai in northern Chad, but which actually originated from a Libyan-based SW transmitter.

## COMOROS

**Radio Comoro** is inactive on shortwave and there is no shortwave broadcasting from the Comoros. In September 1997, the Director of Radio Comoro confirmed that they had a technical problem and at that time hoped to be back on air "within two months". It appears that they have not been heard on shortwave since then. The last reported frequency was 3331 kHz, with 7260 kHz an earlier daytime outlet.

## DEMOCRATIC REPUBLIC OF CONGO

There is currently no shortwave service from the Kinshasa-based national station of **Radio Television Nationale Congolaise** (RTNC). RTNC in Kinshasa was last reported in late 1990's on 15245v kHz from its 100 kW transmitter.

RTNC relays via an Africa No 1 transmitter in Gabon for coverage across the DRC began in early 2002 but were discontinued a year or so later. These were scheduled at 0400-0600 and 1600-1900 UTC on 9770 kHz.

All official **RTNC regional stations** are believed to be inactive on shortwave.

### **RADIO CANDIP**

Educational radio station established in 1974. Has been operated by rebel factions in the past.

**Address:** Radio Candip, BP 373, Bunia, Democratic Republic of Congo.

**Transmitter Site:** Bunia - 1 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0400-0700	Daily	French/Vernaculars	Domestic	5066.3v
1330-1630v	Daily	French/Vernaculars	Domestic	5066.3v

**Note:** Schedule subject to confirmation. Past frequencies also include 3390 and 6828 kHz.

### **RADIO KAHUZI**

Radio Kahuzi is operated by a Christian group called Believer's Express Service, Inc (BESI).

**Address:** Believer's Express Service, Inc, PO Box 189, Eastanollee, Georgia 30538, USA, or Richard McDonald, Radio Kahuzi, BP 42, Cyangugu, Rwanda.

**Transmitter site:** Bukavu - 0.8 kW (built by HCJB).

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0500-0700	Mon-Fri	French	Domestic	6209.6v
1630-2000	Mon-Fri	Swahili/English/French	Domestic	6209.6v

**Note:** As well as Christian programmes, rebroadcasts from VOA are also aired.

## **TARGET BROADCASTS TO DR CONGO**

### **RADIO OKAPI**

Radio Okapi is a joint initiative between the UN Mission in the DRC and Fondation Hirondelle that was established in early 2002.

**Address:** Radio Okapi , 12 Av. des Aviateurs , Kinshasa, Gombe, Democratic Rep. of Congo.

**Web:** www.radiookapi.net

**Email:** info@hirondelle.org

**Transmitter site:** Meyerton, South Africa - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0400-0600	Daily	French/Lingala	DR Congo	11690
1600-1700	Daily	French/Lingala	DR Congo	11890

**Note:** Three 10 kW transmitters in Kinshasa that were used when Radio Okapi was first established are inactive (6030/9550/11690 kHz)

### **RADIO KIMPWANZA**

Broadcasts in support of Rassemblement des Patriotes pour la Libetacion du Congo (RPLC)

**Address:** RPLC, 106 North Denton Tap #210-362 Coppell, TX 75019, USA

**Web:** www.radiotvkimpwanza.net and www.rplc-rdc.com

**Email:** contact@rplc-rdc.com

**Transmitter site:** Samara, Russia - 250 kW (brokered by TDP)

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1700-1800	Sun	Lingala	DR Congo	15260 (for B-08)

**Note:** Started shortwave broadcasts in March 2009. Schedule for A-09 unconfirmed as not listed in TDP schedule. Presumably discontinued on shortwave.

## **REPUBLIC OF CONGO**

### **RADIO CONGO**

Radio Congo is the government-controlled broadcasting service of the Republic of Congo.

**Address:** R Congo, Direction Générale de Radio TV du Congo, B. P. 2912, Brazzaville, Rep. of Congo.

**Transmitter Site:** Brazzaville.

<b>Times/UTC</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
unconfirmed	French/Vernacular	Domestic	6115

**Note:** has been heard irregularly since January 2009, try around 1800-1900.

Prior to this they were last reported on shortwave in early 2006 with the following schedule: 5985 kHz (0430-0700 and 1700-2300), 6115 kHz (0600-0830 and 1700-2030) and 9610 kHz (0700-1700)

## DJIBOUTI

### RADIODIFFUSION TELEVISION DE DJIBOUTI

Radiodiffusion Television de Djibouti is the government-controlled broadcasting service of Djibouti.

**Address:** RTD, Avenue Saint Laurent du Var, BP 97, Djibouti, Republic of Djibouti.

**Web:** www.rtd.dj

**Email:** rtd@intnet.dj

**Transmitter Site:** Djibouti-Doraleh - 50 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0300-2100	Daily	Afar/French/Vernaculars	Domestic	4780

**Note:** sometimes heard with extended schedule beyond 2100 UTC.

Radio Djibouti's current shortwave transmitter was donated by the US government's IBB in early 2005 in exchange for the installation of a 600 kW MW transmitter for use by Radio Sawa on 1431 kHz.

## EGYPT

### EGYPTIAN RADIO - GENERAL PROGRAMME

**Address:** Egyptian Radio and Television Union, PO Box 1186, Cairo 11511, Egypt.

**Web:** www.ertu.org/radio (in Arabic)

**Email:** info@ertu.org or enginfo@ertu.org

**Transmitter Site:** Abis - 250 kW; Abu Zaabal - 100/250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0700-1100	Daily	Arabic	West & Central Africa	15710-abz
1900-0700	Daily	Arabic	W Europe/N America	6290-abs

### VOICE OF THE ARABS

**Address:** Voice of the Arabs, ERTU, PO Box 1186, Cairo 11511, Egypt.

**Web:** www.ertu.org/radio (in Arabic)

**Email:** info@ertu.org or enginfo@ertu.org

**Transmitter Site:** Abu Zaabal - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1900-0030	Daily	Arabic	Central & East Africa	11540-abz

### NILE VALLEY RADIO (Wadi El Nile)

**Address:** Wadi El Nile, ERTU, PO Box 1186, Cairo 11511, Egypt.

**Web:** www.ertu.org/radio (in Arabic)

**Email:** info@ertu.org or enginfo@ertu.org

**Transmitter Site:** Abu Zaabal - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1700-2300	Daily	Arabic	Central & East Africa	9250-abz

### RADIO CAIRO

**Address:** Radio Cairo, Egyptian Radio and Television Union, PO Box 11511, Cairo, Egypt.

**Web:** www.ertu.gov.eg

**Email (for English Service):** englishprog@ertu.org

**Transmitter Site:** Abis - 250 kW; Abu Zaabal - 100/250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1015-1215	Daily	Arabic	Middle East	15170-abz
1215-1330	Daily	English	South & South-East Asia	17870-abz
1230-1400	Daily	Indonesia	South-East Asia	15710-abs
1300-1600	Daily	Arabic	Central & West Africa	15080-abs
1330-1530	Daily	Persian	West Asia	15800-abz
1430-1600	Daily	Pashto	West Asia	12170-abz
1500-1600	Daily	Albanian	South-East Europe	15255-abz
1500-1600	Daily	Uzbek	Central Asia	9250-abz
1530-1730	Daily	Swahili	East Africa	17810-abz
1600-1700	Daily	Afar	East Africa	15285-abz

1600-1800	Daily	Urdu	West Asia	9270-abz
1600-1800	Daily	English	Central & Southern Africa	12170-abz
1700-1730	Daily	Somali	East Africa	15285-abz
1700-1900	Daily	Turkish	South-East Europe	6860-abs
1730-1900	Daily	Amharic	East Africa	15285-abz
1800-1900	Daily	Italian	Southern Europe	6255-abs
1800-2100	Daily	Hausa	West Africa	9990-abs
1900-2000	Daily	German	Central Europe	6255-abs
1900-2000	Daily	Russian	Russia	6860-abs
1900-2030	Daily	English	West & Central Africa	11510-abz
2000-2115	Daily	French	Western Europe	6255-abs
2000-2200	Daily	Arabic	Australasia	6860-abz
2030-2230	Daily	French	West & Central Africa	9280-abs
2115-2245	Daily	English	Western Europe	6255-abs
2215-2330	Daily	Portuguese	South America	9360-abz
2300-0030	Daily	English	North America	6850-abz
2330-0045	Daily	Arabic	South America	9250-abs
0030-0430	Daily	Arabic	North America	11590-abz
0045-0200	Daily	Spanish	The Americas	7540-abz 9360-abz 9915-abs
0200-0330	Daily	English	North America	7540-abz

**Note:** some frequencies may be slightly off-channel.

Egypt has in the past been the source of several broadcasts of behalf of opposition radio stations, such as to Iran, but these were discontinued in the 1990's.

## EQUATORIAL GUINEA

### RADIO NACIONAL DE GUINEA ECUATORIAL - RADIO MALABO

After a year or so off-air, a new 20 kW transmitter and antenna was inaugurated for Radio Malabo in November 2007 (replacing an existing 10 kW unit).

**Address:** R Nac de Guinea Ecuatorial, Av. 3 de Agosto 90, Ap. 195, Malabo, Equatorial Guinea.

**Transmitter Site:** Malabo (Semu) - 20 kW transmitter.

Times/UTC	Days	Language	Target	Freq/kHz
0500-2300	Daily	Spanish/Vernaculars	Domestic	6250

### RADIO NACIONAL DE GUINEA ECUATORIAL - RADIO BATA

Radio Nacional de Guinea Ecuatorial's broadcasting facilities were improved with help from Chinese technicians and Radio Bata was reactivated with a new 50 kW shortwave transmitter in early 2005.

**Address:** Radio Nacional de Guinea Ecuatorial, Ap. 749, Bata, Equatorial Guinea.

**Transmitter Site:** Bata - 50 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0500-2300	Daily	Spanish/Vernaculars	Domestic	5005

**Note:** can be inactive on shortwave for several days at a time.

### RADIO AFRICA

Radio Africa was reactivated in early 2005 with a new 50 kW shortwave transmitter installed for Equatorial Guinea by Chinese technicians. This transmitter is leased to and operated by Pan American Broadcasting and airs US evangelical programmes.

**Address:** Radio Africa, PO Box 851, Malabo, Equatorial Guinea, or: Pan American Broadcasting, 2021 The Alameda Suite 240, San Jose CA 95126-1145, United States of America.

**Web:** [www.radioafricanetwork.com](http://www.radioafricanetwork.com); see also [www.radiopanamericanbroadcasting.com](http://www.radiopanamericanbroadcasting.com)

**Transmitter Site:** Bata - 50 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0500v-2300v	Daily	English	Africa	15190 (identifies as Radio East Africa at weekends)

**Note:** Schedule varies depending on programming available. Sometimes off-air for several days.

**Radio Africa 2000** was a cultural radio station, sponsored and managed thanks to Spanish cooperation aid. It began in November 1989 on FM and shortwave (6910 kHz, 10 kW ) and was closed in late 1993.

# ERITREA

## VOICE OF THE BROAD MASSES OF ERITREA

Voice of the Broad Masses of Eritrea (Dimtsi Hafash) is state run and operates two networks with programmes in several languages. Prior to the defeat of the Mengistu regime in Ethiopia in 1991, it had operated as a clandestine radio station supporting the Eritrean People's Liberation Front and other opposition groups.

**Address:** Ministry of Information, Radio Division, PO Box 872, Asmara, Eritrea.

**Transmitter Site:** Asmara/Selea Daro.

### **VOBME-Programme 1**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0355-0700	Daily	Tigrinya/Vernaculars	Domestic	7210 or 7220
0930-1100	Daily	Tigrinya/Vernaculars	Domestic	7210 or 7220
1400-1900	Daily	Tigrinya/Vernaculars	Domestic	7210 or 7220

### **VOBME-Programme 2**

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0355-0700	Daily	Arabic/Amharic/Oromo	Domestic	7175 or 7165
0930-1100	Daily	Arabic/Amharic/Oromo	Domestic	7175 or 7165
1400-1900	Daily	Arabic/Amharic/Oromo	Domestic	7175 or 7165

**Note:** Shortwave services of Eritrean radio are currently subject to variation and may shift to adjacent frequencies during the course of a transmission to avoid Ethiopian jamming. Broadcasts may also be extended beyond normal sign-off times.

**Observations:** Chris Greenway made the following observations whilst in Kenya in late December 2008: "The only definite loggings I made of Voice of the Broad Masses of Eritrea (VOBME) were on 7220, which was heard regularly at various times of the day, although transmissions are not continuous. It was heard signing on for the evening transmission period at 1400. On one occasion (0935 on 22 December) I heard what may have been a second VOBME channel on 7210. At 0945 this transmitter moved to 7220, co-channel with the other VOBME station, and also with Bangui, making further identification impossible."

Thorsten Hallmann reported some "Dimtse Ertra" programmes again in May 2009 on 7165 and 7175 kHz jamming Eritrea. This type of programming is also aired on Tuesdays, Thursdays and Saturdays at 1800-1835 on 7165 and 9560 kHz via Radio Ethiopia External Service (see below). Mauno Ritola compared this with recordings from 8000 kHz last year, and found that they had identical IDs and jingles.

**Eritrean shortwave transmitter on 8000v kHz:** A shortwave transmitter, which may be the same one used in the past by the clandestine Voice of Sudan for opposition broadcasts to Sudan, was heard on 7999.4 kHz during 2008 with relays of Eritrean radio and programmes hostile to Ethiopia. At the same time a counter-transmitter in Ethiopia also operated on 8000 kHz with programming hostile to Eritrea. Neither the Eritrean or Ethiopian transmitter has been heard since mid-November 2008.

## RADIO BANA

Educational programmes produced by Adult Education and Media, Ministry of Education.

**Address:** Radio Bana, Department of Adult and Media Education, PO Box 609, Asmara City, Eritrea.

**Transmitter Site:** Asmara.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0355-1800v	Daily	Vernaculars/English	Domestic	5100

**Note:** Programmes in English reported at 0500-0530 Fridays, 1530-1600 Saturdays, 1600-1630 daily, but also possibly as late as 1800 sign-off on some days. Also reportedly heard relaying VOBME at times after scheduled Radio Bana programming has ended.

## TARGET BROADCASTS TO ERITREA

### VOICE OF PEACE AND DEMOCRACY OF ERITREA

Possibly broadcasting in support of the Ethiopian-backed National Alliance of Eritrean Forces.

**Transmitter Site:** via Radio Ethiopia External Service - Gedja - 100 kW

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0400-0430	Mon/Wed/Fri	Tigrinya/Vernaculars	Horn of Africa	7165v 9560v
1800-1830	Mon/Wed/Fri	Tigrinya/Vernaculars	Horn of Africa	7165v 9560v

### **VOICE OF THE DEMOCRATIC ALLIANCE**

Broadcasts in support of the opposition Eritrean Democratic Alliance.

**Address:** Eritrean Democratic Alliance, Box 13043, Khartoum, Sudan.

**Web:** [www.meskerem.net/edapage.htm](http://www.meskerem.net/edapage.htm)

**Email:** [asmermen@aol.com](mailto:asmermen@aol.com)

**Transmitter Site:** via Radio Ethiopia External Service - Gedja - 100 kW

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1500-1530	Mon/Tue/Wed/Fri	Arabic	Horn of Africa	7165v 9560v
1500-1530	Tue/Thu/Sat	Tigrinya	Horn of Africa	7165v 9560v
1530-1600	Mon/Wed/Fri	Kunama	Horn of Africa	7165v 9560v
1530-1600	Tue/Thu/Sat	Afar	Horn of Africa	7165v 9560v
1530-1600	Sun	Tigrinya	Horn of Africa	7165v 9560v

### **VOICE OF ERITREA**

Broadcasts in support of the Eritrean People's Movement

**Web:** <http://maihabar.org>

**Transmitter Site:** via Radio Ethiopia External Service - Gedja - 100 kW

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1800-1830	Tue/Thu/Sat	Tigrinya	Horn of Africa	7165v 9560v

### **VOICE OF DEMOCRATIC ERITREA INTERNATIONAL**

Broadcasts in support of the opposition Eritrean Liberation Front Revolutionary Council

**Address:** c/o Eritreisches Zentrum, 2. Stock, Neue-Mainzer Str. 24, D-60311 Frankfurt, Germany or ELF-RC Office, PO Box 3524, Khartoum, Sudan.

**Web:** [www.nharnet.com](http://www.nharnet.com)

**Email:** [elfrc@nharnet.com](mailto:elfrc@nharnet.com)

**Transmitter Site:** Nauen, Germany - 125 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1700-1800	Thu	Tigrinya/Arabic	Eritrea	13820

### **RADIO ASENA**

Broadcasts in support of [assenna.com](http://assenna.com).

**Web:** [www.assenna.com](http://www.assenna.com)

**Email:** [aseye@asena-online.com](mailto:aseye@asena-online.com) or [aseye.asena@gmail.com](mailto:aseye.asena@gmail.com)

**Transmitter Site:** Samara, Russia - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1730-1800	Mon/Wed	Tigrinya	Eritrea	15350
1730-1800	Fri	Arabic	Eritrea	15350

### **VOICE OF MESELNA DELINA**

Broadcasts in support of the opposition Tesfa Delina Foundation

**Address:** Tesfa Delina Foundation, Inc., 17326 Edwards Road, Suite A-230, Cerittos, CA 90703, USA. or EMDHR, PO Box 30583, Sunnyside (0132), Pretoria, South Africa.

**Web:** [vodm.asmarino.com](http://vodm.asmarino.com)

**Email:** [info@delina.org](mailto:info@delina.org) (USA) and [meseley@emdhr.org](mailto:meseley@emdhr.org) (South Africa)

**Transmitter Site:** Samara, Russia - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1730-1800	Tue/Thu/Sat	Tigrinya	Eritrea	15350

## **ETHIOPIA**

### **RADIO ETHIOPIA - NATIONAL SERVICE**

**Address:** Radio Ethiopia, PO Box 1020, Addis Ababa, Ethiopia.

**Transmitter Site:** Gedja - 3 x 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0300(0400 Sat/Sun)-0600	Daily	Amharic/Vernaculars	Domestic	5990v 7110 9704.2
0600-0800	Sat/Sun	Amharic/Vernaculars	Domestic	5990v 7110 9704.2
0800-2100	Daily	Amharic/Vernaculars	Domestic	5990v 7110 9704.2

**Note:** News in English at 1200-1300 Monday-Friday, with news at 1230.

## **RADIO ETHIOPIA - EXTERNAL SERVICE**

**Address:** Radio Ethiopia, Audience Relations, PO Box 654, Addis Ababa, Ethiopia.

**Web:** [www.angelfire.com/biz/radioethiopia/](http://www.angelfire.com/biz/radioethiopia/)

**Transmitter Site:** Gedja - 2 x 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0400-0430	Mon/Wed/Fri	Eritrean opposition	East Africa/Middle East	7165v 9560v
0700-0800	Daily	Somali	East Africa/Middle East	7165v 9560v
1200-1300	Daily	Somali	East Africa/Middle East	7165v 9560v
1300-1400	Daily	Afar	East Africa/Middle East	7165v 9560v
1400-1500	Daily	Arabic	East Africa/Middle East	7165v 9560v
1500-1600	Daily	Eritrean opposition	East Africa/Middle East	7165v 9560v
1600-1700	Daily	English	East Africa/Middle East	7165v 9560v
1700-1800	Daily	French	East Africa/Middle East	7165v 9560v
1800-1830	Mon-Sat	Eritrean opposition	East Africa/Middle East	7165v 9560v

### **Eritrean opposition broadcasts via Radio Ethiopia External Service**

0400-0430 Voice of Peace and Democracy of Eritrea (Mon/Wed/Fri)

1500-1600 Voice of the Democratic Alliance (Daily)

1800-1830 Voice of Peace and Democracy of Eritrea (Mon/Wed/Fri)

1800-1830 Voice of Eritrea (Tue/Thu/Sat)

## **VOICE OF THE TIGRAY REVOLUTION (DIMTSI WOYANE TIGRAY)**

Official broadcasting station of the Tigre Region.

**Address:** Voice of the Tigray Revolution, PO Box 450, Mekele, Tigray, Ethiopia.

**Web:** [www.dimtsiwoyane.com](http://www.dimtsiwoyane.com)

**Email:** [vort@ethionet.et](mailto:vort@ethionet.et)

**Transmitter Site:** Mekele/Addis Ababa - 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0255-1900	Daily	Tigrinya/Afar	Domestic	5950 5980/6170

## **AMHARA REGIONAL STATE RADIO**

Official broadcasting station of the Amhara Region.

**Email:** [dereradio2000@yahoo.com](mailto:dereradio2000@yahoo.com)

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0300-0600	Daily	Amharic	Domestic	6090
0900-1100	Daily	Amharic	Domestic	6090
1400-1700	Daily	Amharic	Domestic	6090

**Note:** first observed by Chris Greenway with tests in December 2008.

## **RADIO OROMIA**

Official broadcasting station of the Oromia Region.

**Address:** Radio Oromia, PO Box 2919, Adama, Ethiopia.

**Transmitter Site:** Addis Ababa - 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0355-0600	Daily	Oromia	Domestic	6030
0900-1100	Daily	Oromia	Domestic	6030
1600-1800	Daily	Oromia	Domestic	6030

## **RADIO FANA**

Radio Fana is described as Ethiopia's first national private broadcasting station.

**Address:** Radio Fana, PO Box 30702, Addis Ababa, Ethiopia.

**Web:** [www.radiofanaa.com](http://www.radiofanaa.com)

**Email:** [rfana@ethionet.et](mailto:rfana@ethionet.et)

**Transmitter Site:** Addis Ababa - 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0255-2100	Daily	Amharic/Oromo/Somali/Afar	Domestic	6110 7210

## **OPPOSITION BROADCASTS FROM ETHIOPIA TO ERITREA**

Programmes from several Eritrean opposition groups had been broadcast during 2008 from a shortwave transmitter believed to be located in Ethiopia on 8000 kHz to counter anti-Ethiopian broadcasts from Eritrea on 7999.4 kHz. These transmissions were last reported in mid-November 2008. However, in May 2009 Thorsten Hallmann reported some "Dimtse Ertra" programmes on 7165 and 7175 kHz jamming Eritrea. This type of programming is also aired on Tuesdays, Thursdays and Saturdays at 1800-1835 on 7165 and 9560 kHz via Radio Ethiopia External Service transmitters. Mauno Ritola compared this with recordings from 8000 kHz last year, and found that they had identical IDs and jingles.

## **TARGET BROADCASTS TO ETHIOPIA**

### **VOICE OF THE SOMALI PEOPLE**

Voice of the Somali People is a programme produced by the Ogaden National Liberation Front and aired over Voice of the Broad Masses of Eritrea.

**Web:** [www.onlf.org](http://www.onlf.org)

**Email:** [foreign@onlf.org](mailto:foreign@onlf.org)

**Transmitter Site:** via Voice of the Broad Masses of Eritrea, Asmara/Selea Daro - 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1000-1030	Wed	Somali	Ethiopia/Somalia	7175v
1730-1800	Sat	Somali	Ethiopia/Somalia	7175v

### **VOICE OF THE OROMIYAN LIBERATION FRONT**

Broadcasts in support of the opposition Oromiyian Liberation Front.

**Address:** Voice of Oromiyian Liberation Front, c/o Radio Miami International, 175 Fontainebleau Blvd., Suite 1N4, Miami, FL 33172, USA

**Web:** [www.oromoliberationfront.net](http://www.oromoliberationfront.net)

**Transmitter Site:** Wertachtal, Germany - 500 kW

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1600-1630	Tue/Thu/Sun	Somali	Ethiopia	11760

**Note:** additional frequency of 11975 kHz (via Juelich) cancelled in early May 2009

### **ZENA TEWAHEDO - HOLY SYNOD OF ETHIOPIAN ORTHODOX TEWAHEDO CHURCH IN EXILE**

Programmes produced by the exiled Ethiopian Orthodox Tewahedo Church.

**Address:** EOTC Holy Synod, PO Box 7097, Los Angeles, CA 90007, USA

**Web:** [www.eotcholysynod.org](http://www.eotcholysynod.org)

**Email:** [eotcholysynod@eotcholysynod.org](mailto:eotcholysynod@eotcholysynod.org)

**Transmitter Site:** Samara, Russia - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1600-1700	Mon	Amharic	Ethiopia	15340

### **RADIO FREEDOM - VOICE OF THE OGADENI PEOPLE (RADIO XORIYO OGADENIA)**

Broadcasts in support of the opposition Ogaden National Liberation Front.

**Web:** [www.onlf.org](http://www.onlf.org); [www.radioxoriyo.com](http://www.radioxoriyo.com)

**Email:** [foriegn@onlf.org](mailto:foriegn@onlf.org); [info@radioxoriyo.com](mailto:info@radioxoriyo.com)

**Transmitter Site:** Nauen, Germany - 100 kW; Samara, Russia - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1630-1700	Tue/Fri	Somali	Ethiopia/Somalia	11640-n
1700-1730	Mon/Fri	Somali	Ethiopia/Somalia	15350-s 17870-s

### **GINBOT 7 DIMTS**

Broadcasts in support of the Movement for Justice, Freedom and Democracy. Ginbot is the equivalent of May in the Western calendar and refers to a disputed election in Ethiopia in May 2005.

**Address:** Ginbot 7 Radio Dimts, PO Box 4916, 2003EX Haarlem, Netherlands.

**Web:** [www.ginbot7.org](http://www.ginbot7.org)

**Email:** [info@ginbot7.org](mailto:info@ginbot7.org)

**Transmitter Site:** Samara, Russia - 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1700-1730	Tue/Thu/Sat	Amharic	Ethiopia	15350 17870

### **RADIO VOICE OF OROMIA INDEPENDENCE (FIO)**

Broadcasts in support of the opposition Front for Independence of Oromia (FIO).

**Address:** Voice of Oromia Independence, c/o Radio Miami International, 175 Fontainebleau Blvd., Suite 1N4, Miami, FL 33172, USA

**Web:** www.awofio.com

**Email:** ganamo@hoymail.com

**Transmitter Site:** Juelich, Germany - 125 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1700-1730	Sat	Oromo	Ethiopia	13830
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**Note:** FIO broadcasts are not connected with those of SBO.

### **VOICE OF ETHIOPIAN UNITY**

Voice of Ethiopian Unity broadcasts in support of Finote Democracy.

**Address:** Finote Democracy, PO Box 73337, Washington DC 20056, USA

**Web:** www.finote.org

**Email:** efdpu@aol.com

**Transmitter Site:** Wertachtal, Germany - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1700-1800	Wed/Sun	Amharic	Ethiopia	13820
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### **YE ETHIOPIA ADERA DIMITSE RADIO**

Broadcasts in support of the Ethiopian Current Affairs Discussion Forum (ECADF)

**Web:** www.ecadforum.com

**Email:** ecadf@ecadforum.com or info@ecadforum.com

**Transmitter Site:** Nauen, Germany - 500 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1700-1800	Sat	Amharic	Ethiopia	13820
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### **VOICE OF OROMO LIBERATION (SBO)**

Broadcasts in supports the Oromo Liberation Front and other groups opposed to Ethiopian government.

**Address:** Oromo Liberation Front, PO Box 73247, Washington, DC 20056, USA, or SBO/VOL, PO Box 510610, D-13366 Berlin, Germany.

**Web:** www.oromoliberationfront.org

**Email:** olfinfo@earthlink.net or sb013366@aol.com

**Transmitter Site:** Juelich, Germany - 125 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1700-1800	Wed/Sun	Oromo/Amharic	Ethiopia	13830
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### **RADIO BILAL**

**Address:** Radio Bilal, PO Box 34264, Washington DC 20043, USA.

**Web:** www.bilalradio.com

**Email:** bilalradio@yahoo.com

**Transmitter Site:** Samara, Russia - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1700-1800	Sat	Amharic	Ethiopia	15350
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### **RADIO OROMIYAA LIBERATION (RAADIYOO BILISUMMAA OROMIYAA)**

Broadcasts in support of the opposition Council of Oromiyaa People's Liberation Front.

**Address:** GABUO/COPLF, PO Box 21813, Washington DC 20009, USA.

**Web:** gabuo.org

**Email:** gabuo99@yahoo.com

**Transmitter Site:** Juelich, Germany - 125 kW

Times/UTC	Days	Language	Target	Freq/kHz
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1730-1800	Fri	Oromo	Ethiopia	13830
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### **DEMITSE TEWAHEDO**

**Transmitter Site:** WHRA Greenbush ME - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
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1900-2000	Mon	Amharic	Ethiopia	15665
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**Note:** unclear if related to Zena Tewahedo (see above)

## GABON

**Radiodiffusion Television Gabonaise - Radio Gabon** is currently inactive on shortwave. It was last reported in mid-2008 (4777 kHz - 0500-0800/1600-1700v and 7270 kHz - 0800-1600).

### AFRICA NO. 1

Africa No 1 is a commercial service for French-speaking Africa operating from studios in Libreville, which in 2007 was apparently bought by Libya's Head of State, Colonel Muammar Gaddafi.

**Address:** Africa No.1, BP 1, Libreville, Gabon.

**Email:** africa@africa1.com

**Web:** www.africa1.com

**Transmitter Site:** Moyabi-Moanda - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0500-0700	Daily	French	Central Africa	9580
0700-1600	Daily	French	Central Africa	9580 (17630-see below)
1600-1900	Daily	French	Central Africa	9580 (15475-see below)
1900-2300	Daily	French	Central Africa	9580
2300-2315	Irreg	French	Central Africa	9580 - occasional evangelical programmes

The transmitter on 17630/15475 has been inactive since November 2008 (although 15475 kHz was heard by at least two listeners on 21 August 2009 and reported to DXLD with sign-off abruptly at 1908; this may have been the transmitter normally on 9580 kHz).

Mike Cooper reported the following to World of Radio/DX Listening Digest on 10 March 2009: "Africa No. 1 says the absence of transmissions on 15475 and 17630 is temporary and the station confirms it is still operating on 9580. In reply to an e-mail I sent to the engineering address shown at the end of the Flash movie on ANO's Web site which provides details of their shortwave transmitters, I received a reply from the head of their FM transmission department which said there was a major breakdown in the IML transmitter (15475) and the station is waiting on replacement parts which are difficult to find. The situation isn't helped by the current business situation, the e-mail added. As for 17630, CEIOCM technicians are currently working to get that frequency back on. I also mentioned in my e-mail that 9580 doesn't seem to be coming in as well as before, but ANO noted that this frequency is intended for central Africa, so we do well to receive it at all in the United States. I was impressed to receive such a prompt and substantive reply to my query about their SW broadcasts" (Mike Cooper, GA, 10 March 2009, World of Radio 1451, DX Listening Digest)

**Libyan programming via Gabon:** Mauno Ritola reports the following: On 19 March 2008 I heard Impact du Plein Évangile, Christian programming via Gabon on 9580 kHz between 2300-2315. Right after that the station continued with Kor'an reading in Arabic and explaining in English. It lasted until 0015. Tarek Zeidan kindly listened to the audio clip and said that it was Ghaddafi explaining the meaning of some Qur'an verses when visiting Uganda. Such special transmissions can be expected when the Colonel is on the road. (Mauno Ritola, Finland, 17 April 2008, dxldyg via DXLD)

**The Moyabi Transmitting Station** was inaugurated in 1979 and over the years has seen relays of Radio France Internationale, Swiss Radio International and Radio Japan, amongst others (more recently, an African Music Station was believed to originate from Moyabi as a source of jamming or distraction against the now-silent Libyan-opposition radio station, Sawt al-Amal). At the end of the B-07 season on 29 March 2008, Radio Japan discontinued the last remaining relays via Moyabi by an international broadcasting station, leaving just Africa No 1 as the the sole user of the transmitting station.

## GAMBIA

There is currently no shortwave activity in Gambia. **Radio Gambia** is inactive on shortwave. Its transmitter on 4820 kHz left the air in the mid-1970's.

**Target broadcast to Gambia: Voices from the Diaspora**, a target broadcast in support of the Save the Gambia Democracy Project, commenced operations via DTK Juelich with a weekly half-hour broadcast on Saturdays in June 2005. These came to an end in March 2006.

## GHANA

**GBC Radio Ghana** is currently inactive on shortwave.

GBC had been merged into a single service in 2003 following the breakdown of the Radio 1 transmitter on 4915 kHz. This meant that the existing transmitter for Radio 2 had to be moved from 3366/6130 kHz to 4915 kHz and Radio 1 and Radio 2 were subsequently merged into a single service.

In April 2006 the remaining transmitter was repaired and reactivated, with a source at GBC reporting the following to BDXC's Chris Greenway: "Our transmitter for the 4915 kHz was off air for some time because some spare parts had to be changed. We had the spare parts about a week ago and they have been fixed. At the moment there is a test transmission going on and all will return to normal very soon. Management is even contemplating buying a brand new transmitter and also another one with the view of resuming our External Service".

However, in 2007 GBC was again inactive on shortwave, although as recent as November 2007, Ghana's Minister for Finance and Economic Planning was quoted as saying that "the Ghana Broadcasting Corporation would install a 50 kW transmitter to improve upon its shortwave service and introduce a second channel to be situated in Kumasi for commercialisation and public education on government policies and programmes."

The Ghana Broadcasting Corporation external service was discontinued in the early part of the 1990's.

## GUINEA

### RADIODIFFUSION-TÉLÉVISION GUINÉENNE - RADIO CONAKRY

Radiodiffusion-Télévision Guinéenne (RTG) is the state-run national television and radio broadcaster.

**Address:** Radio Conakry, BP 391, Conakry, Guinea.

**Transmitter Site:** Conakry.

Times/UTC	Days	Language	Target	Freq/kHz
0555(0755 Sun)-0000	Daily	French/Vernaculars	Domestic	7125

**Note:** Radio Conakry's past shortwave frequencies include 4910, 6155, 9650 and 15310 kHz, although it has been on only 7125 kHz since at least 1999.

## GUINEA-BISSAU

**Radiodifusão Nacional de Republica de Gunié-Bissau** is inactive on shortwave. The last entry in WRTH was in the 1987 edition and by 1988 was reported as inactive. Its last frequency was 5475v kHz. Prior to that it had operated on 5040v kHz.

## IVORY COAST

**Radiodiffusion Television Ivoirienne** is inactive on shortwave. The domestic services "Chaine Une" and "Frequence Deux" had both been relayed on shortwave, along with an external service which included programming in English. Past frequencies included 4940 6015 and 11920 kHz, with 7215 kHz the last to be reported in late 1996.

## KENYA

**Kenya Broadcasting Corporation** is now inactive on shortwave. The most recent operation had been the North Eastern Service on 4915 kHz. The National Service in Swahili and the General Service in English both left shortwave in the 1990's when the KBC established two new MF networks to cover the country. As well as 4915 kHz, past KBC SW frequencies also include 4885, 4935, 6150 and 7140 kHz.

## LESOTHO

**Radio Lesotho, the Lesotho National Broadcasting Service** is currently inactive on shortwave (last scheduled frequency 4800 kHz). Vashek Korinek in South Africa reported in January 2006 that the Chief Engineer at Radio Lesotho had said that as their SW transmitter was over 20 years old it was getting almost impossible to obtain spares. However, Radio Lesotho would have liked to continue SW broadcasts and had planned to order a new transmitter when their financial year began in April 2006.

**BBC World Service** relay station in Lesotho was opened in 1979 and closed on 30th September 1996, with shortwave relays switching to Meyerton in South Africa.

## LIBERIA

### RADIO ELWA

ELWA aired its first programme in 1954 and at its peak broadcast extensively in English, French and many native Liberian languages. The station was silenced in 1990 when the first civil war broke out in Liberia, returning in August 1993 with a 10 kW SW transmitter. It again left the air in early 1996 when fighting once again broke out in Monrovia. The transmitter was stolen and subsequently used by Charles Taylor's 'Radio Liberia International'. In 1995, ELWA took delivery of a 1937 vintage GE SW transmitter, a gift from KGEI. The transmitter was never installed due to the unrest and was reportedly stripped of all parts and left unusable. A 1 kW SW transmitter, built by HCJB, was inaugurated in 2000 and in 2008 a new 5 kW transmitter was introduced on 6070 kHz.

**Address:** Radio ELWA, Box 192, Monrovia, Liberia.

**Web:** [www.radioelwa.org](http://www.radioelwa.org)

**Email:** [radio.staff@radioelwa.org](mailto:radio.staff@radioelwa.org)

**Transmitter Site:** Monrovia - 5 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0530-0800	Daily	English/Vernaculars	Domestic	6070
1730-2300	Daily	English/Vernaculars	Domestic	6070

**Note:** 4760 kHz (1 kW) not reported since April 2008, now believed to be inactive.

### RADIO VERITAS

Radio Veritas commenced shortwave operations in October 1997. Soon afterwards the Liberian government of the time started a campaign to get the radio station closed down and there followed spells when they either had their broadcast time severely curtailed or were not on the air at all. The station was partially destroyed by fighting in July 2003. Radio Veritas was reactivated on shortwave in June 2005, but was silent again by early 2008 due to a transmitter problem. At this time they were also reportedly in the process of moving to a new site in Monrovia. As of April 2009 they remain off-air on shortwave.

**Address:** Radio Veritas, Catholic Media Centre, PO Box 3569, Monrovia, Liberia.

**Web:** [www.radioveritas.org](http://www.radioveritas.org)

**Note:** Shortwave frequencies last used were 6090 (mornings) and 5470 (evenings) with 10 kW transmitter reportedly operating at just 6 kW.

In July 2005, the Liberian Observer reported that the **Liberia Broadcasting System** had launched a fund drive to obtain a shortwave transmitter in order to extend LBS broadcasts nationwide. The station's main building has been in ruins since the 1990 civil crisis. Then Transitional Government Chairman Charles Gyude Bryant, launching the fund-raising awareness programme for the resuscitation of the station, said everything would be done to meet the needs of the station through its budgetary allotment.

Other shortwave stations of recent years, such as **Radio Liberia International** (5100/6100 kHz) and **Voice of Liberty**, the shortwave project of WJIE in Kentucky (11515 kHz), are inactive. In the case of Voice of Liberty, their transmitter was the old High Adventure shortwave unit that used to be located in Southern Lebanon, near to the border with Israel.

The **Voice of America** relay station in Liberia, which went on air in 1963, was abandoned during the civil war of 1990.

## TARGET BROADCAST TO LIBERIA

### STAR RADIO

Star Radio is an independent radio station for Liberia in partnership with Fondation Hirondelle. FM broadcasts commenced in July 1997, followed by shortwave (3400/5890 kHz) in October 1997. Within months their licence was suspended by the Liberian government and eventually the station left the air permanently. It resumed local FM operations in May 2005, followed by a shortwave relay via VTC relay sites at either Ascension Island or Rampisham in the UK. By the end of the B-08 season, Star Radio shortwave relays had been discontinued. Web: [www.starradio.org.lr](http://www.starradio.org.lr). Note that the relay of Cotton Tree News to Sierra Leone that followed Star Radio continues for A-09 at 0730-0800 on 15220 kHz (see under Sierra Leone for further details)

## LIBYA

### LIBYAN JAMAHIRIYAH BROADCASTING - VOICE OF AFRICA

Libyan Radio's shortwave transmissions currently originate from Sabrata, Libya. The shortwave transmitters in Libya were originally withdrawn from service in early 2002 and replaced by hired transmitters at Issoudun in France from the start of the A-02 season. However, at the end of March 2007 all shortwave transmissions switched back to Libya and relays via Issoudun were discontinued.

**Address:** Libyan Jamahirayah Broadcasting, Voice of Africa, PO Box 4677, Soug al Jama, Tripoli, Libya.

**Web:** [www.voiceofafrica.com.ly](http://www.voiceofafrica.com.ly)

**Transmitter Site:** Sabrata, Libya - 500 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1200-1400	Daily	Swahili	Africa	17725 21695
1400-1600	Daily	English	Africa	17725 21695
1600-1700	Daily	French	Africa	15660 17725
1700-1800	Daily	French	Africa	11965 15215
1800-1900	Daily	Hausa	Africa	11965 15215
1900-2000	Daily	Hausa	Africa	11600 11965
2000-2200	Daily	Arabic	Africa	7215

**Note:** 12120 kHz is also registered for A-09 between 1700-2000.

A non-stop Arabic music programme from **Libyan Jamahiriyah Broadcasting** was heard during the A-06 season, reportedly from a hired transmitter in the CIS. This broadcast on a frequency (i.e. 17660/17680) near to the Libyan opposition station Sawt al-Amal (see below). Discontinued from the B-06 season.

In years gone by Libya has been both the source and target of several radio stations and programmes, usually involving countries in dispute with Libya. These include Chad, Sudan, and Egypt, amongst others.

**Target broadcast to Libya:** Libyan-opposition radio station **Sawt al-Amal** (Voice of Hope) began shortwave broadcasts to Libya in January 2006, daily at 1200-1400 on a frequency in the range 17620-17695 kHz from a hired-transmitter at Maiac-Grigoriopol (Moldova-Pridnestrovye). It was jammed by Libya and also shadowed by a radio station playing non-stop Frano-African music believed to originate from a transmitter at Moyabi in Gabon. Sawt al-Amal was last heard in July 2007.

## MADAGASCAR

### RADIO MADAGASIKARA/RADIO NATIONALE MALGACHE

**Address:** Radio Madagasikara, BP 4422, Antananarivo 101, Madagsacar.

**Web:** [takelaka.dts.mg/radmad/](http://takelaka.dts.mg/radmad/)

**Email:** [mmdir@dts.mg](mailto:mmdir@dts.mg)

**Transmitter Site:** Fenoarive - 10/20/30/100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0300-0500	Daily	Malagasy/French	Domestic	3288v 5010v
0500-1500	Daily	Malagasy/French	Domestic	6135v 7105v 9690v
1500-1900	Daily	Malagasy/French	Domestic	3288v 5010v
1900-2100	Sat/Sun	Malagasy/French	Domestic	3288v 5010v

## **RADIO NETHERLANDS RELAY STATION**

**Address:** Radio Nederland Madagascar Relay Station, PO Box 404, Antananarivo 101, Madagascar.

**Transmitter Site:** Talata-Volondry - 50/250 kW.

**Stations relayed for A-09:** Radio Netherlands, Deutsche Welle, Radio Sweden, Vatican Radio, Voice of America, Adventist World Radio, Family Radio, Fiangonana Loterana, Democratic Voice of Burma, Voice of the People (to Zimbabwe), Voice of Tibet, and Radio Dabanga (to Darfur).

<b>Times/UTC</b>	<b>Days</b>	<b>Station</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0200-0230	Daily	R Sweden	Swedish	South Asia	11550
0230-0300	Daily	R Sweden	English	South Asia	11550
0230-0330	Daily	AWR	Malagasy	Madagascar	3215
0300-0330	Daily	Vatican R	English	East Africa	9660
0330-0345	Daily	Vatican R	Swahili	East Africa	9660
0345-0400	Daily	Vatican R	Somali	East Africa	9660
0400-0430	Daily	Voice of America	English	East Africa	9885
0400-0430	Daily	Voice of America	English	East Africa	12080
0400-0500	Daily	R Voice of the People	English/Vern	Southern Africa	9895
0430-0525	Daily	R Dabanga	Arabic	Darfur/Sudan	13840
0430-0500	Daily	Voice of America	English	East Africa	12080
0500-0600	Daily	Voice of America	Kurdish	Middle East	15380
0530-0600	Daily	Voice of America	French	West Africa	13710
1300-1330	Daily	R Netherlands	Dutch	South Asia	17585
1300-1400	Daily	Voice of America	Somali	Horn-of-Africa	15170
1300-1400	Daily	AWR	Vietnamese	South-East Asia	17670
1330-1430	Daily	Voice of Tibet	Tibetan	Tibet/South Asia	17560
1400-1600	Daily	R Netherlands	English	South Asia	11835
1400-1600	Daily	R Netherlands	English	South Asia	15815
1430-1530	Daily	AWR	Malagasy	Madagascar	3215
1430-1530	Daily	Dem Voice of Burma	Burmese	South-East Asia	17625
1530-1730	Daily	R Dabanga	Arabic	Darfur/Sudan	11500
1600-1700	Daily	Family R	Swahili	East Africa	9590
1600-1700	Daily	Voice of America	English	East Africa	13570
1630-1700	Daily	Fiangonana Loterana	Malagasy	Madagascar	3215
1700-1720	Sat/Sun	VOA - Studio 7	Shona	Zimbabwe	11605
1700-1730	Daily	R Netherlands	Dutch	East Africa	9895
1700-1730	Mon-Fri	VOA - Studio 7	Shona	Zimbabwe	11605
1700-1800	Daily	R Voice of the People	English/Vern	Southern Africa	7395
1720-1740	Sat/Sun	VOA - Studio 7	English	Zimbabwe	11605
1730-1800	Daily	R Netherlands	Dutch	Southern Africa	6020
1730-1800	Daily	R Netherlands	Dutch	Central Africa	9895
1730-1800	Mon-Fri	VOA - Studio 7	English	Zimbabwe	11605
1740-1800	Sat/Sun	VOA - Studio 7	Ndebele	Zimbabwe	11605
1800-1830	Mon-Fri	Voice of America	Portuguese	Southern Africa	15730
1800-1830	Mon-Fri	Voice of America	Portuguese	Southern Africa	15740
1800-1900	Daily	R Netherlands	English	Southern Africa	6020
1800-1900	Daily	Family R	English	East Africa	7395
1830-1900	Daily	Voice of America	French	West Africa	9815
1900-2000	Daily	Family R	English	East Africa	7395
1900-2100	Daily	R Netherlands	English	East Africa	5905
1900-2100	Daily	R Netherlands	English	Central/Southern Africa	7425
1900-2100	Daily	Family R	English	Southern Africa	6020
2000-2030	Daily	R Sweden	Swedish	East Africa	7395
2030-2100	Daily	R Sweden	English	East Africa	7395
2100-2130	Daily	R Sweden	Swedish	Central Africa	7395
2130-2200	Daily	R Sweden	English	Central Africa	7395
2200-2300	Daily	Deutsche Welle	Indonesian	Indonesia	7380

**World Christian Broadcasting** is building a shortwave facility in Madagascar, which will broadcast Christian programming.

WRN broadcast a series of special one-off shortwave broadcasts in March 2009 for **Radio Mada Internationale**, a clandestine station which supports the deposed Madagascan president Marc Ravalomanana. Although WRN did not mention the transmitter site, Madagascar Online said that the transmissions were from South Africa, i.e. Meyerton; schedule: 0400-0430, 1700-1730 on 5895 kHz.

## MALAWI

**Malawi Broadcasting Corporation** is inactive on shortwave (MBC was last reported in 2002 on 3380 and 7130 kHz). Just prior to last being heard on shortwave, MBC's Director of Engineering had reported that they needed to replace the valves to keep their 50 kW shortwave transmitter operational, although the cost of US\$20,000 was a problem as the station's finances were in poor shape.

## MALI

### RADIODIFFUSION-TELEVISION DU MALI

**Address:** Radiodiffusion-Television du Mali , BP 171, Bamako, Mali.

**Web:** www.ortm.ml

**Email:** ortm@ortm.ml

**Transmitter Site:** Bamako - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0555-0800	Daily	French/Vernaculars	Domestic	5995
0800-1800	Daily	French/Vernaculars	Domestic	7285v 9635
1800-0000	Daily	French/Vernaculars	Domestic	5995

**Note:** News in English reported at 1905 UTC on Saturdays.

### CHINA RADIO INTERNATIONAL RELAY STATION

**Address:** China Radio International, Beijing, China 100040.

**Web:** www.cri.com.cn

**Email:** (English Service) crieng@cri.com.cn

**Transmitter Site:** Bamako - 2 x 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1300-1400	Daily	English	Africa	13685 17880
1400-1500	Daily	English	Africa	13685 17630
1500-1600	Daily	English	Africa	13685 17630
1600-1700	Daily	Arabic	Africa	15125 17880
1700-1730	Daily	Swahili	Africa	113645 15125
1730-1830	Daily	Hausa	Africa	11640 13645
1830-1930	Daily	Arabic	Africa	11640 13685
1930-2000	Daily	Portuguese	Africa	11640 13630
2000-2100	Daily	English	Africa	11640 13630
2100-2130	Daily	English	Africa	11640 13630
2130-2230	Daily	French	Africa	11975 13630
2230-2300	Daily	Chinese	Africa	11975 15505
2300-0000	Daily	Chinese	Africa	7295 11975

## MAURITANIA

### RADIO OF THE ISLAMIC REPUBLIC OF MAURITANIA

**Address:** Radio Mauritania, BP 200, Nouakchott, Mauritania.

**Transmitter Site:** Nouakchott - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0625-0800	Mon-Fri/Sun	Arabic/French/Vernaculars	Domestic	4845
0800-1700	Daily	Arabic/French/Vernaculars	Domestic	7245
1700-0100	Daily	Arabic/French/Vernaculars	Domestic	4845

**Note:** inactive on shortwave as of late August 2009.

## MAURITIUS

There is no current shortwave broadcasting in Mauritius. **Mauritius Broadcasting Corporation** was last listed on shortwave in the WRTH 1987 edition with a 10 kW transmitter operating on 4855/9710 kHz, although the station may have already left shortwave a year or so previously.

## MAYOTTE

There is currently no shortwave activity in Mayotte.

## MOROCCO

### RADIODIFFUSION-TELEVISION MAROCAINE

**Address:** RTM, 1 Rue Brihi, PO Box 1042, Rabat, Morocco.

**Web:** www.rtm.ma

**Transmitter Site:** Nador - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0900-1500	Daily	Arabic	Europe/North Africa/Middle East	15340
1500-2200	Daily	Arabic	Europe/North Africa/Middle East	15345

**RTM International Service** in French and English on shortwave was discontinued in the mid 1990's.

### RADIO MEDITERRANÉE INTERNATIONALE - MEDI 1

**Address:** Medi 1, 3 Rue Emsallah, 90000 Tanger, Morocco.

**Web:** www.medi1.com

**Email:** medi1@medi1.com

**Transmitter Site:** Nador - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0500-0100	Daily	Arabic/French	Europe/North Africa/Middle East	9575

IBB transmissions from the **IBB Relay Station - Briech** were discontinued on 30 March 2008, with relays of Radiodiffusion-Television Marocaine (RTM) ending a month later on 30 April 2008. The Briech facility was 18 miles southwest of Tangier and began broadcasting in 1993. US international broadcasting in Morocco originally started in 1949 with the Tangier Relay Station.

## MOZAMBIQUE

All SW transmitters in Mozambique were officially decommissioned during 2001 in favour of MW and FM. **Radio Mozambique's** last reported SW freqs in 2001 were 3210 9639v 11818v and 15295v kHz.

**Radio Terra Verde** was heard in April 2005 on 7135 kHz with relay of its Maputo FM service. The station reportedly has links with Renamo, the former rebel opposition group but now an official opposition party in Mozambique.

### TARGET BROADCAST TO MOZAMBIQUE

#### VOICE OF AMERICA - VIDA SEM MEDO (Life Without Fear)

Reporters, medical doctors, youth and the community from Mozambique discuss HIV/AIDS and related health issues.

**Addresses:** VOA, 330 Independence Avenue, SW, Washington, DC 20237, USA.

**Transmitter Site:** Iranawila, Sri Lanka - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1000-1030	Sat/Sun	Portuguese	Mozambique	17740 21590

## NAMIBIA

**Namibia Broadcasting Corporation** is currently inactive on shortwave. In January 2006, Vashek Korinek reported that Mike Evans of NBC had told him that the NBC Board had not made any decision about the long term future of their shortwave (and mediumwave) operations. All equipment was still in place, but with it being over 20 years old some spares and repairs would be needed. NBC was likely to take the decision in the next three months or so, but Mike pointed out that NBC are financially very strapped at the moment. (Vashek Korinek-South Africa via DXplorer, 26 January 2006). NBC's last SW freqs were 6060 and 6175 kHz. Prior to that, 3270 and 3290 kHz were also used overnight.

## NIGER

### ORTN - LA VOIX DU SAHEL

La Voix du Sahel is the government-controlled radio station for Niger.

**Address:** ORTN - La Voix du Sahel, BP 361, Niamey, Niger.

**Web:** [www.ortn-niger.com/radio.php](http://www.ortn-niger.com/radio.php)

**Email:** [ortny@intnet.ne](mailto:ortny@intnet.ne)

**Transmitter Site:** Niamey - 100 kW transmitter.

Times/UTC	Days	Language	Target	Frequencies/kHz
0500-2300 (-2200 Sun)	Daily	French/Vernaculars	Domestic	9705

**Note:** Reactivated on shortwave in August 2009, having not been heard since late December 2008.

## NIGERIA

### VOICE OF NIGERIA - EXTERNAL SERVICE

**Address:** Voice of Nigeria, 7th Floor, Radio House, Herbert Macaulay Way, Garki-Abuja, Nigeria

**Web:** [www.voiceofnigeria.org](http://www.voiceofnigeria.org) (some sections still under construction)

**Email:** [info@voiceofnigeria.org](mailto:info@voiceofnigeria.org)

**Transmitter Site:** Ikorodu - 350 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0500-0700	Daily	English	Europe/N Africa	15120
0700-0800	Daily	French	Europe/N Africa	15120
0800-0900	Daily	Hausa	West Africa	9690
0900-1000	Daily	Fulfulde	West Africa	9690
1000-1500	Daily	English	West Africa	9690
1500-1530	Daily	Swahili	East Africa	11770
1530-1600	Daily	Yoruba	West Africa	9690
1600-1630	Daily	Igbo	West Africa	9690
1630-1700	Daily	Arabic	North Africa	15120
1700-2100	Daily	English	Europe/N Africa	15120
2100-2200	Daily	French	West Africa	7255
2200-2300	Daily	Hausa	West Africa	7255

Report - Voice of Nigeria's new station should be ready before 1 October 2009: The following is from the Daily Triumph via Media Network Weblog on 2 April 2009: The Nigerian Minister of Information and Communications, Prof Dora Akunyili, expressed optimism on Monday that the 5 billion Naira transmitting station of the Voice of Nigeria (VON) would be ready before independence celebrations on 1 October. Akunyili who spoke while inspecting the project at Lugbe, Abuja, expressed delight at the progress of work on the station in the last two years. She promised to ensure that the station's studio complex at the Central Area in Abuja, was built and operational within three months. "We need to have the studio close to Yar'adua Centre at the Central Area ready, but the place is still under contention. We believe that very soon we will start putting up something there, because we need to shut down the transmitting station in Lagos for renovation," she said. Malam Abubakar Jijiwa, the station's Director-General who conducted the minister round the site, said that it would be inaugurated in August. The project, which started in 2007 on 120 hectares of land at Lugbe, is said to be the first of its kind in sub-Saharan Africa. Jijiwa told newsmen after the tour that construction had reached 98 per cent completion while the civil works were 100 per cent ready. "This is going to be the most sophisticated transmitting station in Africa. We have three new

transmitters being installed and they are almost ready. We have begun test transmission and latest by August this year, we will be ready for the president to come and commission this project," he said. The Director-General said that on completion, the project would produce a radio station with capability to broadcast in digital and analogue systems on the short wave band. He explained that the new transmitters would expand the international coverage of the station to be heard worldwide. He added that the station has the capability of a rotating antenna that could send signals to any part of the world. Jijiwa said that the project was faced with two major problems: electric power supply and an unresolved land dispute with the Federal Capital Development Authority (FCDA). "We need a 33KV line to power the station and I plead with the minister to take this up with her colleague at the energy ministry. The other challenge is that while this station is ready, the connection to the studio complex at Central Area, Abuja cannot be ready, because the land was taken away by the FCDA. The equipment and the antennae system to be installed at the site that was already configured for this purpose are lying idle at the transmitting station in Lugbe. We need that land back because even if another land is given to VON for the studio complex, it means the antenna systems will be re-configured at the factory and that is not necessary," Jijiwa said. (Daily Triumph via Media Network Weblog 2 April 2009)

Voice of Nigeria to add new languages In an interview for The Channel, the magazine of the Association for International Broadcasting, the Director-General of the Voice of Nigeria talked about the station's expansion plans which include the possibility of adding Chinese, either Hindi or Urdu, and Portuguese (The Channel via Media Network weblog 13 August 2008)

### **RADIO NIGERIA-KADUNA**

**Address:** Radio Nigeria-Kaduna, Broadcasting House, PO Box 250, Kaduna, Nigeria.

**Web:** [www.radionigeriaonline.com/ns\\_kaduna.html](http://www.radionigeriaonline.com/ns_kaduna.html)

**Transmitter Site:** Kaduna - 2 x 50 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0400-2305	Daily	Channel 1 Hausa	Domestic	6090v
0430-2305	Daily	Channel 2 English/Vernaculars	Domestic	4770v

### **RADIO NIGERIA-ENUGU**

**Address:** Radio Nigeria-Enugu, Broadcasting House, Onitsha Road, Enugu, Nigeria.

**Web:** [www.radionigeriaonline.com/ns\\_enugu.html](http://www.radionigeriaonline.com/ns_enugu.html)

**Transmitter Site:** Enugu - 10 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0430-2305	Daily	English/Vernaculars	Domestic	6025v

**Note:** the status of Radio Nigeria-Enugu was confirmed by James MacDonnell in Niger State, Nigeria, on 16 April 2009 in a report to DX Listening Digest. James commented: "Enugu has certainly been back on the air for some time now. I am not able to measure the exact frequency and don't know the exact hours of transmission but I can confirm the station is on the air. I checked 6025 on 15/04/2009 at 2059 just in time to hear Enugu join the network service of Radio Nigeria for the Network News at 2100"

**Radio Nigeria-Ibadan** (6050 kHz) and **Radio Nigeria-Abuja** (7275 kHz) are both believed to be inactive on shortwave at present. James MacDonnell in Niger State, Nigeria, reported to DX Listening Digest on 16 April 2009 that "the "national station" in Ilorin (6050) has been inactive for many years and I have not heard the Abuja station (7275) for a long time either."

**Network News in English** is scheduled on Radio Nigeria domestic stations at 0600-0700, 1500-1530 and 2100-2130 UTC.

## **TARGET BROADCASTS TO NIGERIA**

### **ASO RADIO INTERNATIONAL**

Operated by Aso Radio & Television Services plc and is aired on 93.5 FM in Abuja.

**Address:** Aso Radio & TV Services, Katampe Hill, Murtala Mohammed Way, P.M.B. 4941, Garki, Abuja,

**Web:** [www.asoradioonline.com](http://www.asoradioonline.com)

Nigeria.

**Transmitter Site:** Samara, Russia - 250 kW (brokered by TDP)

Times/UTC	Days	Language	Target	Freq/kHz
0530-0600	Mon-Fri	Hausa	West Africa	9680
1600-1630	Mon-Fri	Hausa	West Africa	15215

## VOICE OF BIAFRA INTERNATIONAL

Nigerian opposition; a project of Biafra Foundation and Biafra Actualization Forum. The first broadcast was made in September 2001.

**Address:** Voice of Biafra International, 1629 K St. NW, Suite 300, Washington DC 20036, USA.

**Web:** [www.biafraland.com/vobi.htm](http://www.biafraland.com/vobi.htm)

**Email:** [biafrafoundation@yahoo.com](mailto:biafrafoundation@yahoo.com)

**Transmitter Site:** WHRI-Angel 1, Cypress Creek SC, USA - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1900-2000	Fri	Igbo/English	West Africa	15665 (alt: 17520)

**Note:** Voice of Biafra International has previously broadcast a weekly one-hour programme on Saturday's via Meyerton, South Africa. This was discontinued in August 2007.

## RADIO BIAFRA

New broadcast via VTC facilities effective 29 March 2009. It is unclear if this station has any connection with Radio Biafra International (see above).

**Transmitter Site:** Skelton, UK - 300 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1900-2000	Daily	Igbo/English	West Africa	12050

**Note:** Dave Kenny heard Radio Biafra in English on 31 March 2009 identifying as "Radio Biafra, Enugu" or "Radio Biafra, broadcasting live from Enugu, our capital city". Signed off at 1955 and said they will be back tomorrow "at 8 pm Biafra time" [i.e. 1900 UTC].

**Radio Saa**, a Nigerian target station which took to the air in March 2007, cancelled its broadcasts during April 2007. With programmes in Hausa, it started on 15180 kHz at 1600-1700 on Wed/Sat, later moving to 13770 kHz. The transmitter site was believed to be Issoudun, France.

## REUNION

**ORTF** operated a 4 kW shortwave transmitter on Reunion which became inactive in the mid-1970's.

## RWANDA

### RADIO RWANDA - RADIODIFFUSION DE LA REPUBLIQUE RWANDAISE

**Address:** Radio Rwanda, BP 83, Kigali, Rwanda.

**Web:** [www.orinfor.gov.rw/radiorwanda.htm](http://www.orinfor.gov.rw/radiorwanda.htm)

**Transmitter Site:** Kigali - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0255-0600	Daily	Kinyarwanda/French/English/Swahili	Domestic	6055
0900-2100	Daily	Kinyarwanda/French/English/Swahili	Domestic	6055

**Note:** News in English at 0515 and 1830.

### DEUTSCHE WELLE RELAY STATION

**Address:** Deutsche Welle, PO Box 100 444, 50968 Cologne, Germany.

**Web:** [www.dw-world.de](http://www.dw-world.de)

**Email:** [online@dw-world.de](mailto:online@dw-world.de)

**Transmitter Site:** Kigali - 250 kW.

Times/UTC	Days	Station	Language	Target	Freq/kHz
0000-0200	Daily	Deutsche Welle	German	South America	9430
0300-0400	Daily	Deutsche Welle	Russian	Central Asia	11780
0300-0400	Daily	Deutsche Welle	Swhili	East Africa	6180
0400-0500	Daily	Deutsche Welle	English	West Africa	7245
0400-0530	Daily	Deutsche Welle	Russian	Western Russia	13780
0400-0600	Daily	Deutsche Welle	German	Africa/Middle East	9480 9620
0500-0530	Daily	Deutsche Welle	English	Southern Africa	9700
0530-0600	Daily	Deutsche Welle	Portuguese	Southern Africa	9700
0600-0630	Daily	Deutsche Welle	English	West Africa	15275
0600-0800	Daily	Deutsche Welle	German	Southern/West Africa	12045 17860
0630-0700	Daily	Deutsche Welle	Hausa	West Africa	15275

0630-0700	Mon-Fri	SSIRI	English	Southern Sudan	11905
1000-1100	Daily	Deutsche Welle	Swahili	East Africa	15410
1000-1200	Daily	Deutsche Welle	German	Asia	21780
1200-1300	Daily	Deutsche Welle	French	Africa	11795 15410 21780
1300-1315	Fri/Sat	Trans World R	Afar	Hornof Africa	13745
1300-1330	Mo/We/Fr	SSIRI	English	Southern Sudan	12070
1300-1400	Daily	Deutsche Welle	Hausa	West Africa	15410 17800
1400-1500	Daily	Deutsche Welle	Amharic	Horn of Africa	15650
1400-1600	Daily	Deutsche Welle	German	N Africa/E Europe	15275
1400-1600	Daily	Deutsche Welle	Russian	Western Russia	15620
1500-1600	Daily	Deutsche Welle	Swahili	E Africa	9485 9770
1600-1700	Daily	Deutsche Welle	French	Africa	9440 11835
1600-1700	Daily	Deutsche Welle	Russian	Western Russia	11915
1600-1900	Daily	Deutsche Welle	German	A Africa/ME/E Europe	6150 15275
1700-1730	Daily	FEBA R	Somali	Horn of Africa	11655
1700-1800	Daily	Deutsche Welle	French	Africa	17610
1700-1900	Daily	Deutsche Welle	Arabic	North Africa	17860
1800-1900	Daily	Deutsche Welle	Hausa	West Africa	11965
1900-1930	Daily	Deutsche Welle	English	Southern Africa	6150
1900-2000	Daily	Deutsche Welle	Arabic	North Africa	15420
1900-2000	Daily	Deutsche Welle	German	West Africa	15275
1900-2030	Daily	V of Forgiveness	Arabic	Middle East	9550
1930-2000	Daily	Deutsche Welle	Portuguese	Southern Africa	6150
2000-2100	Daily	Deutsche Welle	English	Southern Africa	6150
2000-2200	Daily	Deutsche Welle	German	Australasia	9875
2100-2200	Daily	Deutsche Welle	English	West Africa	11865 15205
2200-0000	Daily	Deutsche Welle	German	South America	9730 9775

## SAINT HELENA

### RADIO ST HELENA

Annual broadcast on shortwave. Radio St Helena returned to shortwave on 4 November 2006 when the annual "Radio St Helena Day" recommenced after a break of seven years. Transmissions are beamed to different parts of the world on 11092.5 kHz (see below).

**Address:** Radio St. Helena, PO Box 93, Jamestown , St Helena, STHL 1ZZ , South Atlantic Ocean.

**Web:** [www.sthelena.se](http://www.sthelena.se)

**Email:** [radio.sthelena@helanta.sh](mailto:radio.sthelena@helanta.sh)

### Radio St Helena Day 2009 - Saturday 14th November 2009

Radio St Helena Day 2009 will be broadcast on 11092.5 KHz in USB on Saturday 14th November 2009:

2000-2100 to India / South East Asia

2200-2330 to Europe

2100-2200 to Japan / Asia

2330-0100 to North America / Central America / Caribbean

Radio St Helena is very pleased to announce that the newly designed RSD 2009 QSL cards will be sponsored by the highly respected Japan Short Wave Club. This good news has been reported by Mr T Ohtake of the JSWC. It can truly be said, that without the very generous help of the JSWC, there would not have been a RSD Revival in 2006.

To get a QSL from Radio St Helena, you must send a written and verifiable reception report by AIRMAIL and include sufficient return postage. Email-reports will be not be verified. Recordings will not be returned. In EURO-countries, please send a 5-Euro banknote. Otherwise, please send 3 or more US dollar banknotes to cover the required return postage.

Radio St. Helena, PO Box 93, Jamestown, St Helena, STHL 1ZZ, South Atlantic Ocean  
"via AIRMAIL" and "via United Kingdom & Ascension"

The lines "via AIRMAIL" and "via United Kingdom & Ascension" of the above address are very important and should be written as shown. Be sure to use sufficient postage on your letter to RSH. Ask at your local post office for the correct AIRMAIL postage for your letter to go all the way to St Helena.

## SAO TOME E PRINCIPE

**Radio Nacional de Sao Tome e Principe** is inactive on shortwave. The last entry in WRTH was in the 1988 edition which stated that 4807 kHz, 10 kW, was irregular.

### IBB RELAY STATION SAO TOME

IBB/VOA Relay Station was opened in 1992 with shortwave transmitters operational in 1996.

**Address:** IBB Transmitting Station, CP 522, Sao Tome, Sao Tome e Principe.

**Transmitter Site:** Pinheira - 100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0300-0330	Daily	Arabic - Afia Darfur	Darfur/Sudan	4960
0300-0330	Daily	Arabic - Afia Darfur	Darfur/Sudan	11635
0300-0330	Mon-Fri	Swahili	East Africa	9440
0300-0700	Daily	English	West/Central Africa	6080
0330-0400	Daily	Somali	Horn of Africa	5945
0330-0430	Daily	Kinyarwanda/Kirundi	Great Lakes	6095
0330-0430	Daily	Kinyarwanda/Kirundi	Great Lakes	11905
0400-0500	Daily	English	West/Central Africa	4960
0500-0530	Daily	Hausa	West Africa	4960
0500-0530	Daily	Hausa	West Africa	9600
0530-0630	Daily	French	West/Central Africa	4960
0530-0630	Mon-Fri	French	West/Central Africa	6035
0530-0630	Mon-Fri	French	West/Central Africa	6095
0700-0730	Daily	Hausa	West Africa	4960
1300-1500	Daily	Kurdish	Middle East	15130
1400-1500	Daily	English	East/Central Africa	13570
1400-1530	Daily	English	East/Central Africa	15580
1400-2200	Daily	English	West/Central Africa	6080
1500-1530	Daily	Hausa	West Africa	11890
1500-1530	Daily	Hausa	West Africa	11905
1600-1630	Sat	Kinyarwanda/Kirundi	Great Lakes	15730
1600-1700	Daily	English	East/Central Africa	17895
1630-1700	Daily	Swahili	East Africa	15365
1630-1730	Daily	Swahili	East Africa	15730
1700-1720	Fri-Sun	Shona - Studio 7	Southern Africa	15775
1700-1730	Mon-Thu	Shona - Studio 7	Southern Africa	15775
1700-1800	Daily	Portuguese	Southern Africa	11960
1720-1740	Fri-Sun	English - Studio 7	Southern Africa	15775
1730-1800	Mon-Fri	Afan Oromo	Horn of Africa	11925
1730-1800	Mon-Thu	English - Studio 7	Southern Africa	15775
1740-1800	Fri-Sun	Ndebele - Studio 7	Southern Africa	15775
1800-1830	Daily	Arabic - Afia Darfur	Darfur/Sudan	4960
1800-1830	Mon-Thu	Ndebele - Studio 7	Southern Africa	15775
1800-1830	Fri	Live Talk - Studio 7	Southern Africa	15775
1800-1900	Daily	Amharic	Horn of Africa	11925
1900-1930	Mon-Fri	Tigrigna	Horn of Africa	11925
1900-2030	Daily	English	West/Central Africa	4940
2000-2030	Daily	French	East/Central Africa	15730
2000-2030	Daily	French	West/Central Africa	12080
2030-2100	Mon-Fri	Hausa	West/Central Africa	4940
2030-2100	Sat/Sun	French	East/Central Africa	15730
2030-2100	Sat/Sun	French	West/Central Africa	4940
2030-2100	Sat/Sun	French	West/Central Africa	9830
2100-2130	Mon-Fri	French	West/Central Africa	9830
2100-2130	Mon-Fri	French	West/Central Africa	12035
2100-2130	Mon-Fri	French	West/Central Africa	12080

## SENEGAL

**Radiodiffusion Television du Senegal** is inactive on shortwave. Its shortwave broadcasts were last reported in 1997 on 11800 kHz. Earlier frequencies included 7170v and 4890 kHz.

**Target broadcast to West Africa (from a studio in Senegal): West Africa Democracy Radio** transmissions on shortwave to West Africa via a VT Communications relay (Skelton, UK - A-08 schedule: 0700-1100 on 17875 kHz) were discontinued on 19 May 2008.

## SEYCHELLES

### **BBC INDIAN OCEAN RELAY STATION**

The BBC Indian Ocean Relay Station was opened in 1988. It is operated by VT Communications.

**Address:** BBC Indian Ocean Relay Station, PO Box 448, Victoria, Mahe, Seychelles.

**Transmitter Site:** Mahe - 2 x 250 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Station</b>	<b>Language</b>	<b>Target</b>	<b>Freqs/kHz</b>
0200-0300	Daily	BBC	English	East Africa	6005
0300-0330	Daily	BBC	English	East Africa	9750
0300-0330	Daily	BBC	Swahili	East Africa	9610
0330-0400	Daily	BBC	English	East Africa	9750 11945
0400-0430	Daily	BBC	Swahili	East Africa	15400
0400-0500	Daily	BBC	English	East Africa	11945
0430-0500	Daily	BBC	French	Indian Ocean Is.	17885
0500-0600	Daily	BBC	English	East Africa	11945 15420
0600-0800	Sat/Sun	BBC	English	East Africa	15420
0800-1300	Daily	BBC	English	East Africa	17640
0800-1300	Daily	BBC	English	Southern Africa	21470
1300-1400	Daily	BBC	English	East Africa	15420
1400-1500	Daily	BBC	Somali	Horn of Africa	11860 15420
1500-1530	Daily	BBC	English	East Africa	11860 15420
1530-1615	Sun	BBC	Swahili	East Africa	11860 15420
1530-1630	Sat	BBC	Swahili	East Africa	11705
1530-1630	Mon-Fri	BBC	Swahili	East Africa	11860 15420
1530-1700	Sat	BBC	English	East Africa	15420
1615-1700	Sun	BBC	English	East Africa	11860 15420
1630-1700	Mon-Fri	BBC	English	East Africa	15420
1630-1700	Mon-Fri	BBC	Kinyarwanda/Kirundi	Great Lakes	11860
1630-1700	Sat	BBC	English	East Africa	11860
1700-1746	Daily	BBC	English	East Africa	6005 9410
1746-1800	Daily	BBC	Swahili	East Africa	6005 9410
1800-1830	Daily	BBC	Somali	Horn of Africa	6005 9410
1830-2100	Daily	BBC	English	East Africa	6005 9410
2100-2200	Daily	BBC	English	Southern Africa	6005

**The Seychelles Broadcasting Service** was established in 1945 and until July 1965 had been operated on shortwave by Cable and Wireless on behalf of the Seychelles Government.

**FEBA Radio** began broadcasting from the Seychelles in the early 1970's with programmes beamed to South Asia, the Middle East, and East Africa. These ended in March 2003 and FEBA Radio now has a contract agreement with VT Communications to air its programmes via transmitters in various countries.

## SIERRA LEONE

**Sierra Leone Broadcasting Service** is currently inactive on shortwave. It was last heard in 2002 on 3316 kHz. Past shortwave frequencies also include 5980 kHz.

**Radio Al-Koran** used to operate on shortwave with programming in Arabic, English, French, and several African languages (scheduled on 9630 kHz, 1500-1900) but appears to have gone off air during the civil war in the country. Radio Al-Koran's address of PMB 668, Freetown, is currently used by the Africa Muslims Agency (Sierra Leone).

**Radio UNAMSIL (UN Assistance Mission in Sierra Leone)** began a shortwave service in Sierra Leone in April 2002. UNAMSIL successfully completed its mandate in December 2005, by which time the shortwave service from a 1 kW transmitter (on 6139.1 kHz) had been discontinued.

### TARGET BROADCAST TO SIERRA LEONE

#### COTTON TREE NEWS

Cotton Tree News is an independent radio production studio which started a daily FM service of live news and information broadcasts on 19 February 2007. Broadcasts are now additionally relayed on shortwave via Ascension Island (although for the latter part of the A-07 season were relayed via Rampisham in the United Kingdom). CTN respects the media laws and institutions of Sierra Leone and its news and programmes are not subject to outside control. Directed by Fondation Hirondelle, Media for Peace and Human Dignity, Cotton Tree News is funded by DFID, the European Commission, Irish Aid and the Swiss Agency for Development and Cooperation.

**Address:** Cotton Tree News, Fourah Bay College, Mount Aureol, PO Box 766, Freetown, Sierra Leone.

**Web:** [www.hirondelle.org](http://www.hirondelle.org)

**Email:** [abennett@hirondelle.org](mailto:abennett@hirondelle.org)

**Transmitter Site:** Skelton - 300 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0730-0800	Daily	English/Vernaculars	Sierra Leone	15220

## SOMALIA

**Somali Broadcasting Service - Radio Mogadishu**, representing the last fully functioning government in Somalia, was last reported on shortwave in August 1991 on 7198v kHz. Since then there have been several shortwave radio stations in Somalia broadcasting in support of various clans and factions, peacekeeping operations, and more recently, the Transitional Federal Government.

However, no radio stations had been reported as being active on shortwave anywhere in Somalia after **Radio Shabelle** in Mogadishu and **Radio Baay** in Baidoa were last reported in July 2006 and April 2007 respectively. But with the report of a new radio station in Galkayo, **Radio Hage** (see below) in March/April 2009, Somalia is once again represented on shortwave.

For a roundup of broadcasting in Somalia, Sam Voron's website is highly recommended:

<https://sites.google.com/site/somaliahamradio>

### PUNTLAND

Puntland is a self-declared autonomous state in northeast Somalia. Unlike neighbouring Somaliland, it does not seek outright independence from Somalia.

#### RADIO HAGE (Radio Leader)

The existence of Radio Hage on shortwave was reported by Sam Voron on his website in April 2009. Radio Hage was established in 2007 in Galkayo. The radio station broadcasts news, music and education, with programmes produced independently. Radio Hage forbids the use of radio for promoting human hatred.

**Email:** [radiohagesom@gmail.com](mailto:radiohagesom@gmail.com)

**Transmitter Site:** Galkayo - 1.25 kW.

Times/UTC	Days	Language	Target	Frequencies/kHz
0000-0200	Daily	Somali	Domesitc	3980 6915
0600-0700	Daily	Somali	Domesitc	3980 6915

**Radio Galkayo** is no longer heard on shortwave (last reported frequency 6980v kHz). Sam Voron says that in 2008 shortwave failed and was not repairable, leaving only a 1 kW FM transmitter.

## TARGET BROADCASTS TO SOMALIA

### IRIN RADIO (THE INTEGRATED REGIONAL INFORMATION NETWORKS)

IRIN (Integrated Regional Information Networks) is part of the UN Office for the Coordination of Humanitarian Affairs, but its services are editorially independent. Its reports do not necessarily reflect the views of the United Nations and its agencies, nor its member states.

**Web:** www.irinnews.org

**Email:** feedback@irinnews.org

**Transmitter Site:** Dhabbaya, UAE - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0830-0930	Daily	Somali	Somalia and Somali-speaking region	13685
1730-1800	Sat-Thu	Somali	Somalia and Somali-speaking region	9840

### RADIO FREEDOM

Radio Freedom is a programme produced in support of the Alliance for the Re-Liberation of Somalia.

**Transmitter Site:** via Voice of the Broad Masses of Eritrea, Asmara/Selea Daro - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1330-1400	Tue/Fri	Somali	Somalia	7175v
1730-1800	Tue/Fri	Somali	Somalia	7175v

## SOMALILAND

The Republic of Somaliland is a self-declared autonomous state in northwest Somalia

### RADIO HARGEISA (Voice of the Republic of Somaliland)

Radio Hargeisa had a new shortwave transmitter reportedly installed in early 2008 with indications that this was testing on 7120 kHz. However, little was heard of Radio Hargeisa until late March 2009 when they resumed operations on 7145 kHz (see below).

**Address:** Radio Hargeisa, PO Box 14, Hargeisa, Somaliland.

**Transmitter Site:** Hargeisa - 25 kW.

Times/UTC	Days	Language	Target	Frequencies/kHz
0255-0600	Daily	Somali	Domestic	7145
0855-1200	Daily	Somali	Domestic	7145
1455-1900	Daily	Somali	Domestic	7145

**Note:** schedule subject to confirmation.

Radio Hargeisa back on shortwave with higher power: Radio Hargeisa, the national radio of Somaliland, has resumed regular broadcasts on shortwave, apparently from a new transmitter. Radio Hargeisa was established in 1948, but first started broadcasting in December 1951. However in 1988, it was destroyed by the forces of Siyad Bare, the last Somali dictator. For the past year, it has been undergoing some major improvements to its services and reception. On Monday, Somaliland students in Yemen were able to listen to Radio Hargeisa for the first time in many years, while on Wednesday it was received in Japan for the first time on 7145 kHz at 1759 UTC. [Other reports say that tests started a year ago on 7120 kHz]. On Friday, Somaliland students studying in neighbouring countries were able to listen to Radio Hargeisa. The station broadcasts Somali music, news and other current affairs, mainly broadcasts in the Somali language. (SomalilandPress via Media Network, 4 April 2009)

## TARGET BROADCAST TO SOMALILAND

### RADIO HORYAAL

Radio Horyaal is opposed to the Somaliland leadership and said to sympathise with Somaliland's main opposition party, Kulmiye.

**Address:** Radio Horyaal, PO Box 51045, Scarborough, Ontario M1L 4T2, Canada.

**Web:** www.horyaal.net

**Email:** radio@horyaal.net

**Transmitter Site:** Dhabbaya, UAE - 250 kW.

Times/UTC	Days	Language	Target	Frequencies/kHz
1730-1800	Sat-Thu	Somali	Somalia	9840

## SOUTH AFRICA

### CHANNEL AFRICA

Channel Africa is the international radio service of the SABC. Channel Africa evolved out of Radio RSA. Radio RSA broadcast news and opinion programming, which was often propaganda aimed at defending the apartheid regime. In 1992, following the fall of apartheid and the election of an ANC government, the service was renamed Channel Africa.

**Address:** Channel Africa, PO Box 91313, Auckland Park 2006, South Africa.

**Web:** [www.channelafrica.org](http://www.channelafrica.org)

**Email:** [news.africa@channelafrica.org](mailto:news.africa@channelafrica.org)

**Transmitter Site:** Meyerton - 100/250/500 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0300-0400	Daily	English	East Africa	6135
0300-0500	Daily	English	Southern Africa	3345
0500-0800	Daily	English	Southern Africa	7230
0600-0700	Daily	English	West Africa	15255
0800-1200	Daily	English	Southern Africa	9625
1200-1300	Daily	Nyanja	Southern Africa	9625
1300-1400	Daily	Lozi	Southern Africa	9625
1400-1600	Daily	English	Southern Africa	9625
1500-1600	Daily	Swahili	East Africa	15660
1600-1700	Daily	French	West Africa	15235
1700-1800	Daily	English	West Africa	15235
1900-2000	Daily	Portuguese	Southern Africa	3345

### RADIO SONDER GRENSE

Radio Sonder Grense (RSG), i.e. Radio Without Borders, is an Afrikaans language radio service run by the South African Broadcasting Corporation for the whole of South Africa. Since Afrikaans is one of South Africa's 11 official languages, the SABC is required to carry an Afrikaans-language service on both radio and television. RSG is the radio part of this Afrikaans-language service. RSG broadcasts mostly on FM utilizing transmitters owned by Sentech. (Wikipedia)

**Address:** Radio Sonder Grense, Private Bag X1, Auckland Park 2006, South Africa.

**Web:** [www.rsg.co.za](http://www.rsg.co.za)

**Email:** [comments@sabc.co.za](mailto:comments@sabc.co.za) or by contact link on website

**Transmitter Site:** Meyerton - 100 kW

Times/UTC	Days	Language	Target	Freq/kHz
0500-0800	Daily	Afrikaans	Domestic (Northern Cape)	7285
0800-1600	Daily	Afrikaans	Domestic (Northern Cape)	9650
1600-0500	Daily	Afrikaans	Domestic (Northern Cape)	3320

### MEYERTON TRANSMITTING STATION

Operated by Sentech, the signal distributor for the South African broadcasting sector.

**Address:** Sentech, Private Bag X06, Honeydew, 2040

**Email:** [support@sentech.co.za](mailto:support@sentech.co.za)

**Web:** [www.sentech.co.za](http://www.sentech.co.za)

**Transmitter Site:** Meyerton - 100/250/500 kW

Times/UTC	Days	Station	Language	Target	Freq/kHz
0300-0330	Daily	BBC	Swahili	East Africa	5915
0300-0400	Daily	BBC	English	West Africa	6145
0300-0600	Daily	BBC	English	Southern Africa	6190
0300-0700	Daily	BBC	English	Southern Africa	3255
0330-0345	Daily	TWR-Africa	Amharic	Ethiopia	7215
0400-0430	Daily	BBC	Swahili	East Africa	9835
0400-0600	Daily	BBC	English	West Africa	7310
0400-0600	Daily	R Okapi	French/Lingala	DR Congo	11690
0430-0530	Mon-Fri	BBC	Portuguese	Southern Mozambique	3380
0430-0530	Mon-Fri	BBC	Portuguese	Northern Mozambique	6145
0500-0530	Daily	Deutsche Welle	English	Central Africa	9825
0500-0600	Sat	BBC	Kirundi	Great Lakes	11925

0530-0600	Daily	VOA	French	West Africa	9885
0530-0600	Sun	BBC	Kirundi	Great Lakes	11925
0600-0615	Sat/Sun	TWR-Africa	English	Nigeria	11640
0600-0645	Mon-Fri	TWR-Africa	English	Nigeria	11640
0600-0700	Daily	BBC	English	West Africa	12015
0600-0700	Daily	R France Int	Portuguese	Angola/West Africa	11830
0600-1400	Daily	BBC	English	Southern Africa	9860
0600-1600	Daily	BBC	English	Southern Africa	6190
0700-0730	Daily	BBC	French	West Africa	17640
0700-0800	Daily	BBC	English	West Africa	17830
0700-0800	Daily	R France Int	French	West Africa	15170
0800-0900	Sun	SA R League	English	Southern Africa	7205
0800-0900	Sun	SA R League	English	East Africa	17570
1100-1200	Daily	R France Int	French	Central Africa	17525
1330-1530	Sat	BBC	Swahili	East Africa	11705
1400-1600	Daily	BBC	English	Southern Africa	3255
1400-1600	Daily	BBC	English	Southern Africa	7230
1500-1530	Daily	BBC	English	East Africa	7385
1530-1615	Sun	BBC	Swahili	East Africa	7385
1530-1630	Mon-Fri	BBC	Swahili	East Africa	7385
1530-1700	Sat	BBC	English	East Africa	7385
1545-1700	Daily	FEBA R	Amharic	East Africa	12125
1557-1627	Mon-Fri	TWR-Africa	Kirundi	Burundi	9675
1600-1630	Sat	VOA	Kinyarw/Kirundi	Great Lakes	11640
1600-1700	exc-Fri	Sudan R Sce	Sudanese langs	Sudan	11770
1600-1700	Daily	R Okapi	French/Lingala	DR Congo	11890
1600-2200	Daily	BBC	English	Southern Africa	3255
1600-2200	Daily	BBC	English	Southern Africa	6190
1615-1700	Sun	BBC	English	East Africa	7385
1625-1640	Sun	TWR-Africa	Somali	Somalia	9660
1625-1655	Mon-Fri	TWR-Africa	Somali	Somalia	9660
1630-1700	Mon-Fri	BBC	Kirundi	Great Lakes	7385
1630-1745	Sat	BBC	Swahili	East Africa	11705
1700-1730	Daily	VOA	English	West Africa	11835
1700-1730	Daily	AWR	Swahili	East Africa	9600
1700-1800	Daily	Deutsche Welle	French	Central Africa	9735
1700-1900	Daily	SW R Africa	English	Zimbabwe	4880
1700-1900	Daily	BBC	English	East Africa	7405
1718-1733	Daily	TWR-Africa	Yao	Mozambique	7265
1730-1800	Daily	AWR	Masai	East Africa	9600
1730-1800	Daily	FEBA R	Silte	East Africa	5890
1730-1800	Daily	IBRA R	Somali	Somalia	9615
1745-1800	Daily	BBC	Swahili	East Africa	7230
1800-1830	Mon-Fri	VOA	Portuguese	West Africa	11960
1800-1830	Daily	AWR	English	Botswana/Namibia	3215
1800-1830	Daily	AWR	English	Zimbabwe/Zambia	3345
1800-1830	Daily	AWR	English	East Africa	9610
1800-1830	Daily	BBC	French	Indian Ocean Islands	5985
1800-1900	Daily	Family R	English	East Africa	6180
1830-1845	Daily	FEBA R	French	Central Africa	7255
1830-2030	Daily	VOA	French	West Africa	6170
1840-1925	Sun	TWR-Africa	French	West Africa	9720
1840-1940	Mon/Tue/Thu	TWR-Africa	French/Moore	West Africa	9720
1900-2000	Daily	VOA	English	West Africa	6120
1900-2000	Daily	Family R	English	Southern Africa	3230
1900-2000	Daily	Family R	Portuguese	Mozambique	3955
1900-2000	Daily	Family R	Portuguese	Angola	6100
1900-2000	Daily	Family R	Swahili	East Africa	5930
1905-2005	Mon	SA R League	English	Southern Africa	3215
1910-1940	Wed	TWR-Africa	French/Moore	West Africa	9720

1925-1940	Fri	TWR-Africa	French/Moore	West Africa	9720
1930-2030	Daily	RTE	English	Central Africa	6225
2000-2200	Daily	R France Int	French	West Africa	5895
2030-2100	Mon-Fri	BBC	Portuguese	Southern Mozambique	3380
2030-2100	Mon-Fri	BBC	Portuguese	Angola	6065
2030-2100	Mon-Fri	BBC	Portuguese	Northern Mozambique	6135
2100-2200	Daily	BBC	English	West Africa	7410
2200-2300	Daily	BBC	English	West Africa	6005

## SUDAN

### **SUDAN RADIO AND TELEVISION CORPORATION - SUDANESE RADIO**

Government-controlled broadcasting service with main studios in Omdurman.

**Address:** SRTC, PO Box 572, Omdurman, Sudan.

**Web:** sudanradio.info (audio available at sudanradio.info/media)

**Transmitter Site:** Omdurman - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0235v-2230v	Daily	Arabic	Domestic	7200

### **SOUTHERN SUDAN**

#### **RADIO PEACE**

Radio Peace's lead organisations are Educational Media Corporation and the Persecution Project Foundation, along with various other support groups.

**Address:** Educational Media Corporation, PO Box 905, Spotsylvania, VA 22553, USA, and Persecution Project Foundation, PO Box 1327, Culpeper, VA 22701-6327, USA.

**Web:** www.edmedia.org and www.persecutionproject.org

**Email:** info@edmedia.org and info@persecutionproject.org

**Transmitter Site:** Southern Sudan - 1 kW on 4740 kHz and 4 kW on 5895 kHz.

#### **Service for Southern Sudan & Southern Darfur**

Times/UTC	Days	Language	Freq/kHz
0230-0250	Mon-Fri	English	4740
0250-0310	Mon/Wed/Fri	Dinka	4740
0250-0310	Tue/Thu	Nuer	4740
0310-0340	Mon-Fri	English/Arabic	4740
0340-0355	Mon-Fri	Arabic	4740
0355-0415	Mon-Fri	Juba Arabic	4740
1600-1620	Mon-Fri	English	4740
1620-1635	Mon-Fri	Arabic	4740
1635-1655	Mon-Fri	Juba Arabic	4740
1655-1730	Mon/Wed/Fri	Dinka	4740
1655-1730	Tue/Thu	Nuer	4740
1730-1800	Mon-Fri	English/Arabic	4740

**Note:** 4740 kHz replaced 4750 kHz in July 2009 to avoid co-channel interference from Dunamis Shortwave in Uganda.

#### **Service for Nuba Mountains & Northern Sudan**

Times/UTC	Days	Language	Freq/kHz
0300-0315	Mon-Fri	English	5895
0315-0330	Mon-Fri	Arabic	5895
0330-0400	Mon-Fri	English/Arabic	5895
1500-1515	Mon-Fri	English	5895
1515-1530	Mon-Fri	Arabic	5895
1530-1600	Mon-Fri	English/Arabic	5895

## TARGET BROADCASTS TO SUDAN

### SUDAN RADIO SERVICE

Sudan Radio Service (SRS) was developed by the Education Development Center (EDC), a US non-governmental organization that specialises in distance learning. SRS is supported by the USAID. The project duration is 2003-2011. Sudan Radio Service (SRS) is Sudan's first independent broadcast provider of news and information. SRS works in English, Arabic, and several other Sudanese languages, and focuses exclusively on issues and events in Sudan. All SRS programming is produced by an all-Sudanese staff of radio professionals working at SRS main offices in Nairobi, Kenya. They also have bureaus in Juba, Khartoum, Wau, Malakal and Damazine. SRS also gathers news from Sudanese correspondents in many towns across Sudan.

**Address:** Sudan Radio Service, PO Box 4392, 00100 Nairobi, Kenya.

**Web:** [www.sudanradio.org](http://www.sudanradio.org)

**Email:** [srs@edc.org](mailto:srs@edc.org)

**Transmitter Sites:** Dhabbaya, UAE - 250 kW; Sines, Portugal - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0400-0430	Daily	English	Southern Sudan	11805-Dhabbaya
0430-0500	Daily	Simple Arabic	Southern Sudan	11805-Dhabbaya
0500-0530	Daily	Simple Arabic	Southern Sudan	13720-Dhabbaya
0530-0600	Daily	English	Southern Sudan	13720-Dhabbaya
1500-1600	Sat/Sun	English/Simple Arabic	Southern Sudan	17745-Sines
1500-1630	Mon-Fri	Simple Arabic	Southern Sudan	17745-Sines
1630-1700	exc-Wed	Simple Arabic	Southern Sudan	17745-Sines
1630-1700	Wed	Nuer	Southern Sudan	17745-Sines
1700-1730	Mon	Dinka	Southern Sudan	9590-Dhabbaya
1700-1730	Tue	Zande	Southern Sudan	9590-Dhabbaya
1700-1730	Wed	Muro	Southern Sudan	9590-Dhabbaya
1700-1730	Thu	Bari	Southern Sudan	9590-Dhabbaya
1700-1730	Fri	Shilluk	Southern Sudan	9590-Dhabbaya
1700-1730	Sat	Toposa	Southern Sudan	9590-Dhabbaya
1700-1730	Sun	<i>unconfirmed</i>	Southern Sudan	9590-Dhabbaya
1730-1800	Daily	English	Southern Sudan	9590-Dhabbaya

### SUDAN RADIO SERVICE - DARFUR PROGRAMME

This is separate from the main Sudan Radio Service and is for the troubled Darfur region of Sudan.

**Transmitter Sites:** Meyerton, South Africa - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1600-1700	exc-Fri	Sudanese languages	Southern Sudan	11770-Meyerton

### DARFUR SALAAM

Darfur Salaam is a humanitarian radio programme for the troubled Darfur region of Sudan. The first programme was aired on 20 January 2006.

**Address:** BBC World Service Trust, Bush House, Room 301NE, Strand, London, WC2B 4PH, UK.

**Web:** [www.bbcworldservicetrust.org](http://www.bbcworldservicetrust.org)

**Transmitter Sites:** Cyprus - 250 kW.

Times/UTC	Days	Language	Target	Frequencies/kHz
0500-0530	Daily	Arabic	Darfur/Sudan	12015 13650
1700-1730	Daily	Arabic	Darfur/Sudan	15790 17585

### RADIO AFIA DARFUR

Radio Afia Darfur is operated from the MBN (Middle East Broadcast Network) facility in Virginia. The radio programme for the Darfur region of Sudan is funded by a grant from the US State Department to the BBG (Broadcasting Board of Government - U.S. Congress). It started in September 2008.

**Transmitter Sites:** Iranawila, Sri Lanka - 250 kW; Lampertheim, Germany - 100 kW;

Nauen, Germany - 250 kW; Pinheira, Sao Tome - 100 kW; Moepeng Hill, Botswana - 100 kW;

Udon Thani, Thailand - 250 kW; Wertachtal, Germany - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0300-0330	Daily	Arabic	Darfur/Sudan	4960-Sao Tome 5995-Nauen 9650-Sao Tome
1800-1830	Daily	Arabic	Darfur/Sudan	4960-Sao Tome 9650-Udon Thani 11635-Iranawila
1900-1930	Daily	Arabic	Darfur/Sudan	5880-Iranawila 9650-Wertachtal 11635-Lampertheim

## **RADIO DABANGA**

Radio Dabanga is part of the Radio Darfur Network, an initiative of Darfur Journalists to provide independent news and relevant information to the population of Darfur. It is led by Press Now, which aims to promote the development of open and democratic societies, by supporting independent media in regions of conflict and countries in transition. It commenced shortwave transmissions in November 2008.

**Address:** Press Now, Witte Kruislaan 55, 1217 AM Hilversum, The Netherlands.

**Web:** [www.radiodabanga.org](http://www.radiodabanga.org)

**Email:** [radiodabanga@yahoo.com](mailto:radiodabanga@yahoo.com)

**Transmitter Site:** Dhabbaya, UAE - 500 kW; Talata Volondry, Madagascar - 250 kW;

Wertachtal, Germany - 500 kW

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0430-0530	Daily	Arabic	Darfur/Sudan	13800-Dhabbaya 13840-Madagascar
1530-1730	Daily	Arabic	Darfur/Sudan	11500-Madagascar 13730-Wertachtal

## **MIRAYA FM**

Miraya FM (Mirror FM) was launched on 30 June 2006 and is operated in partnership between the United Nations Mission in Sudan and Swiss journalists' organisation Fondation Hirondelle. They have studios in Juba and Khartoum and broadcast on 101 FM for Juba with several FM relay transmitters across Southern Sudan. As a result of the Sudanese government's reluctance to grant a licence to operate elsewhere in Sudan, Miraya FM started a regular shortwave service on 25 October 2007 via an IRRS-brokered transmitter believed to be located in Slovakia.

**Address:** Miraya FM, PO Box 69, Khartoum, Sudan.

**Web:** [www.mirayafm.org](http://www.mirayafm.org)

**Email:** [hersh@un.org](mailto:hersh@un.org)

**Transmitter Site:** Rimavksa Sobota, Slovakia - 150 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
1500-1800	Daily	Arabic/English/Sudanese languages	Sudan	15650

Broadcasts from **Southern Sudan Interactive Radio Instruction (SSIRI) Project** were discontinued during the B-08 season. SSIRI was an integrated programme of the Ministry of Education, Science & Technology, Southern Sudan and was funded by USAID, the United States Agency for International Development, and administered by EDC, Education Development Center. SSIRI focused on the effective use of radio for delivering high-quality education programmes to children, youth and adults. Programmes were relayed via Dhabbaya (UAE), Kigali (Rwanda) and Meyerton (South Africa).

**Voice of Sudan - Voice of Democracy And Peace** had broadcast in the past in support of the opposition National Democratic Alliance from a shortwave transmitter believed to be located in Eritrea on 8000v kHz. It was thought that this same transmitter was used during 2008 for Eritrean radio broadcasts hostile to Ethiopia.

## **SWAZILAND**

### **TRANS WORLD RADIO SWAZILAND**

**Address:** TWR, PO Box 64, Manzini, Swaziland or

Trans World Radio-Africa, PO Box 4232, 1620 Kempton Park, South Africa.

**Web:** [www.twr.org.za](http://www.twr.org.za) and [www.twrafrica.org](http://www.twrafrica.org)

**Email:** [info@twr.org.za](mailto:info@twr.org.za)

**Transmitter Site:** Mpangela Range - 25/50/100 kW.

<b>Times/UTC</b>	<b>Days</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
0250-0310	Sat	Ndebele	Southern Africa	3200
0250-0325	Sun-Fri	Ndebele	Southern Africa	3200
0255-0330	Sat/Sun	Swahili	East Africa	6040
0255-0340	Daily	Shona/Ndau	Southern Africa	3240
0342-0400	Daily	Lomwe	Northern Mozambique	4775
0400-0415	Mon-Fri	Chichewa/Tumbuka	Southern Africa	5995
0400-0430	Daily	German	Southern Africa	3200
0400-0430	Mon-Fri	German	Southern Africa	4775
0400-0430	Sat/Sun	Chichewa/Tumbuka	Southern Africa	5995
0400-0500	Sat/Sun	German	Southern Africa	4775

0430-0500	Mon-Fri	English	Southern Africa	3200
0430-0500	Sat/Sun	German	Southern Africa	3200
0500-0600	Daily	English	Southern Africa	3200
0630-0900	Daily	English	Southern Africa	6120
1350-1555	Sun	Port/Makuwa/Chuwabu	Northern Mozambique	7315
1354-1427	Mon-Fri	Kinyarwanda/Kirundi	Great Lakes	9675
1400-1415	Daily	Urdu	Pakistan	15360
1420-1625	Daily	Shona/Ndebele/English	Southern Africa	4760
1425-1555	Mon-Sat	Port/Makuwa/Chuwabu	Northern Mozambique	7315
1450-1525	Mon-Fri	Malagasy	Madagascar	9635
1450-1525	Sat/Sun	French	Madagascar	9635
1540-1645	Sun	Portuguese/Vernaculars	Southern Mozambique	3200
1555-1645	Mon-Sat	Portuguese/Vernaculars	Southern Mozambique	3200
1600-1615	Mon-Thu	Chichewa/Bemba/English	Southern Africa	11640
1600-1630	Fri-Sat	Chichewa/Bemba/English	Southern Africa	11640
1645-1700	Daily	Ndau	Southern Africa	3200
1645-1700	Fri/Sat	Hadiya	Horn of Africa	9500
1645-1700	Mon/Tue	Borana/Oromo	Horn of Africa	9500
1645-1700	Sun	Oromo	Horn of Africa	9500
1645-1700	Wed/Thu	Kambaata	Horn of Africa	9500
1700-1715	Sun	Amharic	Horn of Africa	9500
1700-1745	Sat	Amharic	Horn of Africa	9500
1700-1800	Mon-Fri	Amharic	Horn of Africa	9500
1700-2030	Daily	English	Southern Africa	3200
1702-1732	Mon-Sat	Swahili	East Africa	9475
1702-1802	Sun	Swahili	East Africa	9475
1715-1730	Sun	Oromo	Horn of Africa	9500
1750-2005	Mon-Fri	Portuguese/Vernaculars	Angola	6130
1800-1845	Sun-Fri	English	East Africa	9500
1800-1900	Sat	English	East Africa	9500
1820-2005	Sat	Portuguese/Vernaculars	Angola	6130
1820-2020	Sun	Portuguese/Vernaculars	Angola	6130
1905-1935	Daily	Lingala	Central Africa	9525
1935-1950	Sun-Fri	French	Central Africa	9525
1935-2020	Sat	French	Central Africa	9525

**Note:** schedule correct as of 29 March 2009 but now subject to confirmation (see below)

**TWR Africa Shortwave Cutbacks:** The following was published in the TWR e-newsletter, April 2009: "Due to financial constraints as a result of the current global economic crisis, Trans World Radio has had to reduce the number of hours that we broadcast on short wave in English to southern Africa in order to wisely utilize our available resources. As a result, we have cut an hour in the morning and half an hour in the evening. From 3 May 2009, the morning short wave broadcasts will end at 1000 and the evening short wave broadcasts will end at 2200 except on Saturdays, when it ends at 2230 (local times - UTC +2hrs). This reduction is considered as a temporary measure and we hope to resume broadcasts as soon as we are able. Many Africans, especially in rural areas, rely solely on radio as their means of information. The short wave cutbacks mean that they will lose valuable hours of Christian teaching" (TWR Africa e-newsletter April 2009 via Alokesh Gupta, New Delhi, India, via DXLD); it is unclear which languages are affected by the cutbacks.

**Swazi Commercial Radio** was a radio station in Swaziland that continued to use shortwave throughout the 1990's but its transmitters are now inactive. In January 2001, Hans Johnson of Cumbre DX quoted Dario Bettencourt, station director of Radio Lusofonia, a Portuguese-language Christian broadcaster, as saying that Radio Cidade (a previous user of the SW transmitter) and SCR had been sold to the Universal Church of the Kingdom of God, a Brazil-based 'church' that owned radio and TV stations in several countries. The SCR SW transmitter that had been on 6155 kHz was by then thought to be inactive.

## TANZANIA

**Radio Tanzania** (now known as TBC), Dar-es-Salaam, is inactive on shortwave. The last SW frequencies reported were 5050v and 6105v kHz. Radio Tanzania External Service was discontinued in the early 1990's.

### ZANZIBAR

#### VOICE OF TANZANIA-ZANZIBAR

**Address:** Voice of Tanzania-Zanzibar, PO Box 1178, Zanzibar, Tanzania.

**Transmitter Site:** Dole - 50 kW.

UTC	Days	Language	Target	Freq/kHz
0300-0600	Daily	Swahili	Domestic	6015
1500-2100	Daily	Swahili	Domestic	11735

**Note:** News in English at 1800-1810 (this news broadcast used to be a relay from Spice FM but is now announced as coming from "Voice of Tanzania-Zanzibar")

The state broadcasting organization has been reorganized and rebranded as the Tanzania Broadcasting Corporation (TBC). For the last few years it has been known as TUT (Taasisi ya Utangazaji Tanzania - Tanzanian Broadcasting Services). Radio Tanzania and TVT television are now IDing as TBC. You can hear the new "TBC" ID on shortwave, as the Voice of Tanzania station in Zanzibar, which is widely heard by DXers on 11735, relays the news from Dar es Salaam at 1700 GMT. VoT itself is run by the autonomous Zanzibar government and is otherwise unaffected by these changes (Chris Greenway/DXLD, 28 March 2008)

## TOGO

**Radiodiffusion Togolaise (Radio Lome)** is inactive on shortwave. It's last reported frequencies were 5047 kHz (morning and evening) and 7265 kHz (daytime). The station was last reported in 2003.

The regional station **Radio Kara** is also inactive (3222/6155 kHz).

**Target broadcast to Togo:** For a short time in 2003, **Radio Togo Libre** was heard on shortwave with transmissions via Meyerton, South Africa. It supported Togolese opposition groups.

## TRISTAN DA CUNHA

Tristan da Cunha was served by a 40 watt shortwave transmitter, but **Radio Tristan da Cunha** left shortwave in 1991 in favour of FM only. The local radio station on the island is now called **Atlantic FM** (see [www.tristandc.com/newscommunications.php](http://www.tristandc.com/newscommunications.php))

## TUNISIA

#### RADIODIFFUSION-TELEVISION TUNISIENNE

**Address:** RTT, 71 Avenue de la Liberte, 1070 Tunis, Tunisia.

**Web:** [www.radiotunis.com](http://www.radiotunis.com)

**Email:** [info@radiotunis.com](mailto:info@radiotunis.com)

**Transmitter Site:** Sfax - 250/500 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0200-0400	Daily	Arabic	North Africa/Middle East	9725 12005
0400-0510	Daily	Arabic	Europe/North Africa/Middle East	7275 7335 9725 12005
0510-0630	Daily	Arabic	Europe/North Africa	7275 7335
0630-0810	Daily	Arabic	North Africa	7335
1600-1700	Daily	Arabic	Europe/North Africa/Middle East	9725 12005
1700-1800	Daily	Arabic	Europe/North Africa/Middle East	7225 9725 12005
1800-2010	Daily	Arabic	Europe/North Africa/Middle East	7225 7345 9725 12005
2010-2110	Daily	Arabic	Europe/North Africa/Middle East	7225 7345
2110-2310	Daily	Arabic	North Africa	7345

## WESTERN SAHARA

### NATIONAL RADIO OF THE SAHARAN ARAB DEMOCRATIC REPUBLIC

Operated by the Polisario Front in support of independence for Western Sahara. National Radio of the Saharan Arab Democratic Republic began shortwave transmissions in 1993. It is the only shortwave radio station currently broadcasting from Algeria itself. The shortwave transmitter is located in the south-western Algerian town of Tindouf, near to the border with Western Sahara.

**Address:** Polisario Front, BP 10, El Mouradia, Algiers, Algeria.

**Web** [web.jet.es/rasd](http://web.jet.es/rasd)

**Transmitter Site:** Tindouf, Algeria.

Times/UTC	Days	Language	Target	Freq/kHz
0700-0900	Daily	Arabic	North-West Africa	6300
0900-1000	Fri	Arabic	North-West Africa	6300
1700-2300	Daily	Arabic	North-West Africa	6300
2300-0000	Daily	Spanish	North-West Africa	6300

## ZAMBIA

### ZAMBIA NATIONAL BROADCASTING CORPORATION

**Address:** ZNBC, Mass Media Complex, Alick Nkhata Road, PO Box 50015, Lusaka, Zambia.

**Web:** [www.znbc.co.zm](http://www.znbc.co.zm)

**Email:** [znbc@microlink.zm](mailto:znbc@microlink.zm)

**Transmitter Site:** Lusaka - 50/100 kW.

#### **Radio 1**

Times/UTC	Days	Language	Target	Freq/kHz
0245-2205	Daily	Vernaculars	Domestic	5915

**Note:** News in English (relay of Radio 2) at 0500, 0600(Mon-Sat), 1115 and 1800.

#### **Radio 2**

Times/UTC	Days	Language	Target	Freq/kHz
0245-2205	Daily	English	Domestic	6165

### RADIO CHRISTIAN VOICE - THE VOICE AFRICA

**Address:** Christian Voice, Private Bag E606, Lusaka, Zambia

or Christian Vision, PO Box 3040, West Bromwich, West Midlands, B70 0EJ, UK.

**Web:** [www.christianvision.com](http://www.christianvision.com) or [www.voiceafrica.net](http://www.voiceafrica.net)

**Email:** [voicefm@zamnet.zm](mailto:voicefm@zamnet.zm)

**Transmitter Site:** Lusaka - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0600-1700	Daily	English/Vernaculars	Southern Africa	6065
1700-0600	Daily	English/Vernaculars	Southern Africa	4965

### 1AFRICA - CVC AFRICA

**Address:** 1Africa, PO Box 3933, Tygervalley 7536, South Africa, or

Christian Vision, PO Box 3040, West Bromwich, West Midlands, B70 0EJ, UK.

**Web:** [www.1africa.tv](http://www.1africa.tv)

**Email:** [1africa@cvc.tv](mailto:1africa@cvc.tv)

**Transmitter Site:** Lusaka - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
0400-0600	Daily	English	West Africa	9430
0600-1900	Daily	English	West Africa	13590
1900-2200	Daily	English	West Africa	5940

# ZIMBABWE

## ZIMBABWE BROADCASTING CORPORATION - RADIO ZIMBABWE

**Address:** ZBC, Broadcasting Centre, Pockets Hill, PO Box HG444, Highlands, Harare, Zimbabwe.

**Web:** www.zbc.co.zw

**Email:** zbc@zbc.co.zw

**Transmitter Site:** Gwelo - 100 kW.

### **Radio Zimbabwe**

Times/UTC	Days	Language	Target	Freq/kHz
daytime	Daily	Shona/Ndebele/English	Domestic	6045
nighttime	Daily	Shona/Ndebele/English	Domestic	3396

## VOICE OF ZIMBABWE

Official external service from Zimbabwe launched during 2007. Voice of Zimbabwe news programming is observed Monday-Friday at 1600-2000 UTC, with the remainder of the time filled with continuous music.

**Address:** Voice of Zimbabwe, 24 Seven Steet, Gweru, Zimbabwe.

**Email:** voiceof\_zimbabwe@yahoo.com

**Transmitter Site:** Gwelo - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
daytime	Daily	English	Southern Africa	5975
nighttime	Daily	English	Southern Africa	4828

## TARGET BROADCASTS TO ZIMBABWE

All target broadcasts listed below may be subject to jamming by the Zimbabwe government.

## RADIO VOICE OF THE PEOPLE

Independent station financed by Soros Foundation, USIA Zimbabwe Forum, and Dutch foundation HIVOS

**Address:** Radio Voice of the People, PO Box 5750, Harare, Zimbabwe.

**Web:** www.vopradio.co.zw

**Email:** voxpopzim@yahoo.co.uk

**Transmitter Site:** Talata-Volondry, Madagascar - 250 kW on 9895 kHz / 50 kW on 7430 kHz.

Times/UTC	Days	Language	Target	Freq/kHz
0400-0500	Daily	English/Vernaculars	Zimbabwe	9895

**Note:** an evening broadcast at 1700-1800 was discontinued in July 2009.

## SW RADIO AFRICA

Independent radio station financed by London-based Zimbabwean exiles.

**Address:** SW Radio Africa Ltd, PO Box 243 Borehamwood, Herts, WD6 4WA, UK.

**Web:** www.swradioafrica.com

**Email:** mail@swradioafrica.com

**Transmitter Sites:** Meyerton, South Africa - 100 kW.

Times/UTC	Days	Language	Target	Freq/kHz
1700-1900	Daily	English	Zimbabwe	4880-Meyerton

**Note:** 12035 kHz from Rampisham, UK, was discontinued in May 2009.

## ZIMBABWE COMMUNITY RADIO

Zimbabwe Community Radio aims to provide a channel for communication on economic, political, social, cultural, and developmental issues that confront the Zimbabwean community.

**Transmitter Site:** Dhabbaya, UAE - 250 kW.

Times/UTC	Days	Language	Target	Freq/kHz
2000-2025	Daily	Ndebele	Zimbabwe	5950
2025-2045	Daily	English	Zimbabwe	5950
2045-2100	Daily	Shona	Zimbabwe	5950

**Note:** started broadcasting on 1 March 2009. Tests via Meyerton, South Africa, were conducted during August 2009, firstly on 3955 and then 4865 kHz. Regular transmissions may replace those from Dhabbaya at some point in the future.

## **VOICE OF AMERICA - STUDIO 7**

Special VOA programme for Zimbabwe. Studio 7 has been providing Zimbabwe with objective and balanced radio news since 2003. It broadcasts up-to-the-minute reports on Zimbabwean politics, the economy, health, society, sports and the best Zimbabwean music.

**Address:** Studio 7, VOA Africa Division, 330 Independence Ave., SW, Washington, DC 20237, USA.

**Web:** [www.voanews.com/english/africa/zimbabwe](http://www.voanews.com/english/africa/zimbabwe)

**Email:** [studio7@voanews.com](mailto:studio7@voanews.com)

**Transmitter Sites:** Moepeng Hill , Botswana 100 kW; Talata Volondry, Madagascar 250 kW; Iranawila, Sri Lanka 250 kW; Pinheira, Sao Tome 100 kW.

<b>Days</b>	<b>Times/UTC</b>	<b>Language</b>	<b>Target</b>	<b>Freq/kHz</b>
Mon-Thu	1700-1730	Shona	Zimbabwe	4930-Bo 11605-Md 15775-Sa
	1730-1800	English	Zimbabwe	4930-Bo 11605-Md 15775-Sa
	1800-1830	Ndebele	Zimbabwe	4930-Bo 11605-Ir 15775-Sa
Fri-Sun	1700-1720	Shona	Zimbabwe	4930-Bo 11605-Md 15775-Sa
	1720-1740	English	Zimbabwe	4930-Bo 11605-Md 15775-Sa
	1740-1800	Ndebele	Zimbabwe	4930-Bo 11605-Md 15775-Sa
Fri only	1800-1830	Multilingual	Zimbabwe	4930-Bo 11605-Ir 15775-Sa

**Note:** 'Live Talk' is aired on Friday's at 1800-1830 in English, Shona and Ndebele.

### **BRITISH DX CLUB**

## **AFRICA ON SHORTWAVE**

**SEPTEMBER 2009**

**Compiled by Tony Rogers with thanks to Dave Kenny, Chris Greenway and members of the British DX Club.**

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### **Africalist**

**For a complete and up-to-date frequency-order list of Sub-Saharan African radio stations broadcasting on shortwave, see Thorsten Hallman's "africalist" at [www.africalist.de.ms](http://www.africalist.de.ms)**

### **DX Listening Digest**

**For the very latest shortwave news visit Glenn Hauser's World of Radio at [www.worldofradio.com](http://www.worldofradio.com)**