

British DX Club

Europe on Shortwave



**Guide to radio stations
in Europe broadcasting
on shortwave**

April 2022

Europe on Shortwave

Compiled and edited by Tony Rogers.

with thanks to

Alan Pennington, Atsuhiko Takezawa, Dave Kenny, Glenn Hauser, Jose Jacob,
Sergey Kolomytsev, Rihards Millers, Zenon Teles and Alan Roe.

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Descriptions used in this guide may have been taken from radio station websites and/or Wikipedia.

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Email: dxguides@gmail.com or tony@bdxc.org.uk

Albania

Radio Tirana

Radio Tirana is the external service of Radio Televizioni Shqiptar.

Transmitter sites: Although no longer broadcasting from transmitters in Albania, Radio Tirana is on shortwave via Radio Miami International in Okeechobee, Florida and ShortwaveService in Kall, Krekel, Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0600-0630	Thu-Tue	English	7730	Okeechobee FL, USA	100	044	9,17,18,27-28	ECNA/Europe
1230-1300	Mon-Sat	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1500-1530	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
2230-2300	Mon-Thu	English	7730	Okeechobee FL, USA	100	044	9,17,18,27-28	ECNA/Europe
2230-2300	Sun-Thu	English	5850	Okeechobee FL, USA	100	315	2,3	WCNA

China Radio International relay

The Cërrik transmitting station is owned by RTSH and is leased to China Radio International. However, since the A20 season no broadcasts have been heard from CRI despite frequencies having been registered with HFCC.

Andorra

Aqui Radio Andorra!

Usually on the first Saturday of the month there are broadcasts to celebrate the history of Radio Andorra, produced by Christian Milling. The last was on Saturday 2 April 2022 at 1800-1900 on 6180 kHz (via Moosbrunn Austria) with "From the Archives of Radio Andorra", an hour-long Jazz-Show with music from Louis Armstrong, Miles Davis, Marcel Zanini, Bing Crosby, Billie Holiday and Thelonious Monk. Check www.aquiradioandorra.com for further details.



Austria

Radio Ö1 International

Radio Austria 1 International (Ö1 International) is the official international broadcasting station of Austria. Austrian Radio 1 (Ö1) is its most successful cultural radio network. The entire programme offering, with just a few changes, is broadcast worldwide as Ö1 International. This mix of information, culture, music, literature, education, science and religion reaches Austrians living abroad as well as a global audience with an interest in Austria. It replaced Radio Österreich International which was discontinued for financial reasons at the end of 2003. Radio Ö1 International added two extra shortwave transmissions beamed to Ukraine on 1 March 2022.

Transmitter site: Moosbrunn (see explanation below).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0500-0620	Daily	German	6155	Moosbrunn	300	ND	18,27-29,37-39	Europe
1000-1100	Mon-Sat	German*	13730	Moosbrunn	100	070	28,29	Europe
1600-1615	Sun	German	5940	Moosbrunn	100	070	28,29	Europe
1600-1620	Fri	German	5940	Moosbrunn	100	070	28,29	Europe
1600-1625	Mon-Thu	German	5940	Moosbrunn	100	070	28,29	Europe

* included news in English around 1050-1055.

Rihards Millers confirms that the English language news summary during midday journal of Ö1 (as heard on 13730 kHz) is now a regular fixture (but only on weekdays), but not exclusive to shortwave: cross-checking ORF website confirms that the bulletin airs also on the O1 livestream, likely also on FM. The summaries begin somewhere between 1050-1055 and last around 3 minutes.

Shortwave relays from Österreichische Rundfunksender - Moosbrunn

Transmitter site: Moosbrunn, a municipality in the district of Bruck an der Leitha in the Austrian state of Lower Austria. The transmitting station is owned and operated by Österreichische Rundfunksender GmbH & Co KG. It consists of 2 x 100 kW and 2 x 300 kW shortwave transmitters.

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0030-0100	Daily	BBC	Dari	7295	300	095	40E,41NW	West Asia
0100-0130	Daily	BBC	Pashto	7295	300	095	40E,41NW	West Asia
0130-0200	Daily	BBC	Dari	7295	300	095	40E,41NW	West Asia
0200-0230	Daily	AWR	Urdu	7290	300	094	40E,41NW	West Asia
0230-0300	Daily	AWR	Punjabi	7290	300	094	40E,41NW	West Asia
0330-0400	Daily	AWR	Persian	6120	300	100	40	West Asia
0400-0430	Daily	AWR	Turkish	6120	300	115	29S,39N,40W	Middle East
0500-0530	Daily	AWR	Hausa	11870	300	190	46SE,47W	West Africa
0529-0600	Daily	BBC	Hausa	12095	300	195	46SE	West Africa
0600-0629	Daily	BBC	French	13810	300	235	37	North Africa
0600-0700	Daily	AWR	Arabic	15560	300	175	38	North Africa
0700-0730	Daily	AWR	French	15560	300	206	46S	West Africa
0800-0830	Daily	IBRA Media	Arabic	15260	100	115	39NE	Middle East
				17640	100	115	39NE	Middle East
0800-0830	Daily	AWR	French	15145	300	225	37,38W	North Africa
0800-0900	1st Sun	Welle 370	German/English	6140	100	270	27E,28NW	Europe
0900-1000	Sun	Radio DARC	German	6070	100	000	18,27-29,37-39	Europe
1000-1100	1st Sun	Radio Joystick	German/English	7330	100	270	27,28	Europe
1400-1430	Daily	AWR	Urdu	15440	300	095	40E,41NW	South Asia
1500-1530	Daily	AWR	Turkish	11955	300	115	29S,39N,40W	Middle East
1530-1600	Daily	AWR	Punjabi	15265	300	095	40E,41NW	South Asia
1600-1630	Daily	AWR	Urdu	11800	300	095	40E,41NW	South Asia
1630-1700	Daily	AWR	Persian	11995	300	100	40	West Asia
1700-1730	Daily	AWR	Swahili	17570	300	100	40	East Africa
1700-1715	Fri	Bible Voice	English	9810	100	115	39	Middle East
1700-1730	Thu	Bible Voice	English	9810	100	115	39	Middle East
1730-1800	Daily	AWR	Masai	17570	300	156	48SW,53NW	East Africa
1730-1830	Sat	Bible Voice	English	9810	100	115	39	Middle East
1730-1900	Sun	Bible Voice	English	9810	100	115	39	Middle East
1800-1900	Daily	AWR	Arabic	11955	300	190	38N	North Africa
1900-1930	Daily	AWR	Hausa	11955	300	190	46SE,47NW	West Africa
1930-2000	Daily	AWR	French	15420	300	170	47,48W,52,53W	West & Central Africa
2000-2030	Daily	AWR	Dyula	9610	300	210	46	West Africa
2030-2100	Daily	AWR	French	11880	300	210	46	West Africa

Belarus

Radio Belarus International

Radio Belarus International is the External Service of BRTC. Although there was no longer any external broadcasting from transmitters in Belarus itself, Radio Belarus had until January 2022 daily transmissions via ShortwaveService in Germany. However, these appear to have ceased.

Belgium

Radio Onda

Radio Onda is a licensed Belgian station. Broadcasts are usually made according to the operators' availability.

Transmitter site: Borculo, east Netherlands. It has 2 x 1 kW shortwave transmitters.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0700-2000	mostly Sat/Sun	Portuguese	6140	Margraten, Netherlands	1	ND	18,27,28	Europe
			9530	Margraten, Netherlands	1	ND	18,27,28	Europe

Radio Onda began a rebroadcast of Ukrainian TV in early March on 6140 kHz via Borculo, Netherlands. These all day broadcasts are, when on air, more or less parallel to the TV video at <http://www.nrcu.gov.ua/en/> (with a few seconds delay). Julio Roth (the operator of Radio Onda) advised Alan Roe in an email that he intends to keep the relays running all week (as of w/c 7 March) if possible. (various reports, notably Alan Roe); The relay of Ukrainian TV audio on 6140 kHz was on air this morning (10 March) but went silent at 1207 UTC (and is still off air at 1440 UTC). According to OndaShortwave on Facebook (8 March) it was a relay of Hit FM from Ukraine which was carrying non-stop news (presumably audio from the TV news service being carried by all TV stations in Ukraine). (Alan Pennington/BDXC-UK)

Bulgaria

Bulgarian National Radio

Radio Bulgaria ceased broadcasting on shortwave from its own transmitters in Bulgaria on 31 January 2012, but in January 2022 BNR returned to shortwave thanks to Shortwaveservice in Germany which has started airing the "Bulgarien Heute" and "Bulgaria Today" podcasts. These are, however, aired without the agreement of BNR.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1700-1720	Daily	German	3985	Kall-Krekel	1	ND	18,19,27,28,29,37N	Europe
1730-1750	Daily	English	3985	Kall-Krekel	1	ND	18,19,27,28,29,37N	Europe

Spaceline Bulgaria - Kostinbrod

Spaceline Ltd Bulgaria was established in 1995 in Bulgaria from group of experts in telecommunications, TV and Radio broadcasting with main objective to provide transmission facilities and technical services. It manages the operation of the NURTS-owned transmitting site at Kostinbrod and is a service provider of shortwave radio broadcasting.

Transmitter site: Kostinbrod, a town in western Bulgaria. It is the seat of Kostinbrod Municipality, located 15 km west of the capital city of Sofia. The site has 4 x 50 kW, 3 x 100 kW, and 1 x 250 kW shortwave transmitters (CIRAF zones have been omitted from the schedule below as those registered with HFCC do not always match the intended target area).

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>Target Area</i>
0230-0330	Daily	BBC	Persian	9880	100	090	West Asia
0330-0430	Daily	BBC	Persian	12015	100	090	West Asia
0400-0700	Daily	Dengê Welat	Kurdish/Turkish	7285	50	090	Middle East
0500-0800	Daily	Overcomer Ministry	English	9400	50	090	West Asia
0500-0800	Daily	Overcomer Ministry	English	11600	100	306	Western Europe
0500-0800	Daily	Overcomer Ministry	English	13800	100	195	East Africa
0700-1700	Daily	Dengê Welat	Kurdish/Turkish	11775	50	090	Middle East
1500-1755	Daily	Overcomer Ministry	English	15335	50	126	Middle East/West Asia
1500-1940	Daily	Overcomer Ministry	English	9400	100	030	Eastern Europe
1545-1600	Daily	Bible Voice	Arabic	11600	50	126	Middle East
1600-1700	Daily	Radio Dabanga	Arabic	11640	50	195	North-East Africa
1601-1655	Daily	Overcomer Ministry	English	11600	50	306	Western Europe
1700-1730	Daily	Radio Erena	Tigrinya	9720	100	195	North-East Africa
1700-1730	Daily	Radio Taiwan Int	Russian	5900	50	030	Russia
1700-2100	Daily	Dengê Welat	Kurdish/Turkish	5935	50	090	Middle East
1710-1730	Mon/Wed	Bible Voice	Arabic	9490	50	126	Middle East
1730-1745	Daily	Bible Voice	Arabic	9490	50	126	Middle East
1730-1830	Daily	BBC	Persian	6100	100	090	West Asia
1800-1830	Daily	BBC	French	13720	50	195	Central Africa
1800-1900	Daily	IRRS	English/German	7290	50	306	Europe

1900-1930	Daily	Radio Taiwan Int	French	6005	100	306	Western Europe
1900-1930	Daily	Radio Taiwan Int	German	5900	100	306	Western Europe
1930-1945	Daily	Bible Voice	Arabic	5900	50	126	Middle East
1945-2000	Daily	Bible Voice	Arabic	5900	50	195	North Africa
1945-2000	Daily	Bible Voice	Arabic	9400	50	126	Middle East
2000-2030	Daily	Radio Taiwan Int	Russian	6005	50	030	Russia
2005-0300	Daily	Overcomer Ministry	English	5900	50	306	Europe/ECNA (see below)
2200-0000	Mon	KSKO Alaska	English	5900	50	306	Europe/ECNA (see below)

KSKO Alaska relayed via Bulgaria 18 April 2022: Noted whilst reviewing an overnight recording on my SDR was KSKO, Alaska with Paul Walker. The broadcast was from 2200-2400 UTC on 18 April on 5900 kHz. This was a live relay via Bulgaria and replaced the regular Overcomer Ministry broadcast at this time. I didn't notice any advance publicity for this. (Alan Roe, Teddington, UK, BDXC-UK iog); later confirmed by Paul Walker as 2200-0000 on 5900 kHz every Monday.

Czech Republic

Radio Prague International

Radio Prague International (Český rozhlas 7) is the official international broadcasting station of the Czech Republic.

Transmitter sites: Although shortwave broadcasts directly from the Czech Republic ceased in 2011, Radio Prague International is now heard on Radio Miami International in Florida and ShortwaveService in Germany

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0130-0200	Tue-Sat	English	5800	Okeechobee FL	100	160	11-16	L America, Caribbean
0200-0230	Daily	Spanish	9955	Okeechobee FL	100	160	10-16	L America, Caribbean
0230-0300	Daily	Spanish	5010	Okeechobee FL	100	181	10-12	L America, Caribbean
0300-0330	Daily	English	9955	Okeechobee FL	100	160	10-16	L America, Caribbean
0330-0400	Daily	French	9955	Okeechobee FL	100	160	10-16	L America, Caribbean
0400-0430	Daily	English	5800	Okeechobee FL	100	160	11-16	L America, Caribbean
0930-1000	Daily	German	6005	Kall, Germany	1	ND	18,19,27,28,29,37N	Europe
1130-1200	Daily	Spanish	5010	Okeechobee FL	100	181	10-12	L America, Caribbean
1200-1230	Mon-Sat	English	9955	Okeechobee FL	100	160	11-16	L America, Caribbean
2100-2130	Daily	English	15770	Okeechobee FL	100	044	9,17,18,27-28	North America, Europe
2130-2200	Daily	French	15770	Okeechobee FL	100	044	9,17,18,27-28	North America, Europe
2300-2330	Daily	French	7730	Okeechobee FL	100	044	9,17,18,27-28	North America, Europe
2330-0000	Daily	English	5850	Okeechobee FL	100	315	2,3	North America

Denmark

Radio OZ-Viola

Radio OZ-Viola is a small low power legal hobby AM radio station.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1200-1400	Sat/Sun	English	6055	Hillerød, Denmark	0.1	ND	17-19,27-29,37N	Europe
2200-2300	Wed	English	5980	Hillerød, Denmark	0.1	ND	17-19,27-29,37N	Europe

World Music Radio

World Music Radio (WMR) play a mix of music from all corners of the world, focusing on tropical world music.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
24 hours	Daily	English	5930	Bramming, Denmark	0.2	ND	17-19,27-29,37N	Europe
			15790	Randers, Denmark	0.01	ND	27-29,37-39	Europe, NAf, ME
			25800	Maarslet, Denmark	0.05	ND	5-19,27-60	Worldwide

World Music Radio is also broadcast on mediumwave 927 kHz.

Radio208

Radio208 plays progressive classic rock from 1964-1984 with no studio hosts.

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
24 hours	Daily	5970	Hvidovre, Denmark	0.1	ND	17-19,27-29,37N	Europe

Radio208 is also broadcast on mediumwave 1440 kHz.



Finland

Scandinavian Weekend Radio

SWR transmitter site is located in the Virratcity, Upper Tampere Region, Liedienpohja village. The station broadcasts mainly on the first Saturday of every month for 24 hours starting 0001 local time, +2h (Summer +3h).

Dates (UTC) of operation for 2022: 3/4 June; 1/2 July; 5/6 August; 7/8 October; 4/5 November; 2/3 December.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	Ciraf	Area
2100-0900	Fri	Finnish/English	6170	Virrat, Finland	0.4	ND	27,28	Europe
			11690	Virrat, Finland	0.4	ND	27,28	Europe
0900-1300	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11720	Virrat, Finland	0.4	ND	27,28	Europe
1300-1600	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11690	Virrat, Finland	0.4	ND	27,28	Europe
1600-2100	Sat	Finnish/English	5980	Virrat, Finland	0.4	ND	27,28	Europe
			11720	Virrat, Finland	0.4	ND	27,28	Europe

SWR is also broadcast on mediumwave 1602 kHz.

France

Radio France Internationale

Radio France Internationale, generally known its acronym RFI, is a subsidiary of France Médias Monde, which oversees the audiovisual sector outside France. RFI broadcasts primarily to Africa.

Note: unless otherwise stated, all shortwave broadcasts are to Africa as indicated by the CIRAF zones.

Time/UTC	Days	Language	kHz	T'mitter site	kW	Az.	CIRAF
24 hours	Daily	French	3965	Issoudun	1	ND	27 (Europe)
0400-0500	Daily	French	9790	Issoudun	500	135	47NE,48N,48SW,53NW
			11700	Issoudun	500	130	47NE,48N,48SW,53NW
0430-0500	Daily	Swahili	11790	Issoudun	250	140	47SE,48S,52E,53W
0500-0600	Daily	French	9790	Issoudun	500	155	47,52N,52SE
			11700	Issoudun	500	150	47,52N,52SE
			15300	Issoudun	500	160	37E,38W,46E,47,52
			15215	Issoudun	250	140	47SE,48S,52E,53W
0600-0630	Daily	Hausa	11995	Issoudun	500	170	46,47W
			13740	Issoudun	500	170	46,47W
0600-0700	Daily	French	9790	Issoudun	500	200	46
			11700	Issoudun	500	175	46
			13695	Issoudun	500	155	47,52N,52SE
			15300	Issoudun	500	150	47,52N,52SE
			13660	Issoudun	500	198	46W
0700-0730	Daily	Mandingo	13660	Issoudun	500	198	46W
0700-0730	Daily	Hausa	13740	Issoudun	500	170	46,47W
			15325	Issoudun	500	170	46,47W
			11700	Issoudun	500	195	46
0700-0800	Daily	French	13695	Issoudun	500	170	46
			15300	Issoudun	500	157	47,52N,52SE
			17850	Issoudun	500	150	47,52N,52SE
			13660	Issoudun	500	180	46S
			15455	Issoudun	500	198	46
0800-0900	Daily	French	13695	Issoudun	500	195	46
			15300	Issoudun	500	175	46
			15320	Issoudun	500	155	47,52N,52SE
			17850	Issoudun	500	150	47,52N,52SE
			15455	Issoudun	500	180	46S
0830-0900	Daily	Fulani	15455	Issoudun	500	180	46S
			15300	Issoudun	500	195	46
			15320	Issoudun	500	175	46
			17660	Issoudun	500	155	47,52N,52SE
			17850	Issoudun	500	150	47,52N,52SE
0900-1000	Daily	French	15300	Issoudun	500	195	46
			15320	Issoudun	500	175	46
			17660	Issoudun	500	155	47,52N,52SE
			17850	Issoudun	500	150	47,52N,52SE
			15275	Issoudun	500	200	46W
1200-1230	Daily	Mandingo	17620	Issoudun	500	170	46
			17660	Madagascar	500	305	47,52N,52SE
			17690	Issoudun	500	200	46,47SW
			21690	Issoudun	500	150	47,52N,52SE
			15300	Issoudun	500	180	46S
1300-1330	Daily	Fulani	15300	Issoudun	500	180	46S

1300-1400	Sun	Vietnamese	9650	Taiwan	100	250	49E (South-East Asia)
1500-1600	Daily	Swahili	21690	Issoudun	500	145	47SE,48S,52E,53W
1600-1700	Daily	Hausa	17850	Issoudun	500	170	46,47W
1700-1730	Daily	Mandingo	15485	Issoudun	500	200	46SW
1700-1800	Daily	French	15300	Issoudun	500	195	37,46
			17850	Issoudun	500	165	47,52N,52SE
			21580	Issoudun	500	150	47,52N,52SE
1730-1800	Daily	Fulfulde	15485	Issoudun	500	180	46S
1800-1900	Daily	French	13740	Issoudun	500	175	46
			15300	Issoudun	500	195	46
			17850	Issoudun	500	160	47,52N,52SE
			21690	Issoudun	500	155	47,52N,52SE
1900-2000	Daily	French	11995	Issoudun	500	200	46
			13740	Issoudun	500	175	46
			15300	Issoudun	500	160	47,52N,52SE
			17850	Issoudun	500	155	47,52N,52SE
1900-2000	Sun	French	13835	Issoudun	500	185	37,46
2000-2030	Daily	Hausa	11700	Issoudun	500	170	46E,47W
2000-2100	Daily	French	11995	Issoudun	500	185	37,46
2100-2200	Daily	French	9790	Issoudun	500	200	46
			11995	Issoudun	500	190	37,46

The following two HFCC registrations, both presumably to Ukraine, do not appear to be on air:

Time/UTC	Days	Language	kHz	T'mitter site	kW	Az.	CIRAF
1300-1500	Daily	French	17640	Issoudun	500	053	29
1500-2030	Daily	French	15230	Issoudun	500	053	29

TDF International Broadcasting Centre - Issoudun

TDF (which stands for Télédiffusion de France officially renamed TDF in 2004) is a French company which provides radio and television transmission services, services for telecommunications operators, and other multimedia services, digitisation of content, encoding, storage, etc. Its headquarters are located in Paris. It is the dominant partner in the HDRR WiMAX consortium. It is also part of Digital Radio Mondiale.

Transmitter site: The International broadcasting centre of TDF is at Issoudun, a commune in the Indre department, an administrative region of Centre-Val de Loire. The site uses 12 rotary ALLISS antennas fed by 12 transmitters of 500 kW each to transmit shortwave broadcasts by Radio France International (RFI), along with other broadcast services.

Relays via Issoudun: The schedule below is in addition to RFI transmissions which are listed above.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0100-0200	Daily	Radio República	Spanish	9490	150	285	11	Caribbean
0200-0300	Fri-Mon	Radio República	Spanish	9490	150	285	11	Caribbean
0200-0400	Daily	NHK World Japan	Japanese	6105	500	290	10,11	C America
0230-0530	Daily	Radio Dengê Welat	Kurdish/Turkish	9525	250	090	39	Middle East
0300-0500	Daily	NHK World Japan	Japanese	9490	500	140	37-39	N Africa/ME
0400-0500	Daily	Radio Algérienne	Arabic/French	6050	500	162	37S,38W,46E,47	NW Africa
0430-0500	Mon-Fri	NHK World Japan	English	7355	500	155	53,57	S Africa
0500-0530	Daily	NHK World Japan	English	7355	500	155	53,57	S Africa
0500-0600	Daily	Radio Algérienne	Arabic/French	7295	500	194	37S,46	NW Africa
				9535	500	160	46E,47N,47SW	NW Africa
0530-0600	Daily	NHK World Japan	French	11730	500	190	37,46,47	N/W Africa
				13840	500	152	46-48,52,53	W/C/E Africa
0600-0630	Daily	NHK World Japan	Arabic	11730	500	140	37-39	NAfrica/ME
0600-0700	Daily	Radio Algérienne	Arabic/French	9620	500	194	37S,46	NW Africa
0630-0700	Daily	Deutsche Welle	Hausa	11850	500	170	46,47W	W Africa
				15215	500	160	46,47W	W Africa
0700-0800	Daily	Manara Radio Int	Hausa	15430	100	170	46S,47N,47SW,52NW	W Africa
0800-1000	Daily	NHK World Japan	Japanese	15290	500	190	46,47	W Africa
1300-1400	Daily	Deutsche Welle	Hausa	15215	500	172	46,47W	W Africa
1325-1530	Sat	Deutsche Welle	Hausa	15195	500	165	46,47W	W Africa
				15350	500	175	46,47W	W Africa
1430-1500	Daily	NHK World Japan	Persian	13680	500	090	40	W Asia
1430-1500	Daily	Bible Voice	Nuer	15300	100	135	47,48	NW Africa
1600-1630	Daily	R Diree Shaggar	Oromo	15330	500	127	48W	NW Africa
1600-1700	Daily	Deutsche Welle	Amharic	15275	500	130	48	NW Africa
				17800	500	130	48	NW Africa
1600-1700	Daily	Manara Radio Int	Hausa	15285	150	170	46S,47N,47SW,52NW	W Africa
1600-1700	Daily	Radio Dabanga	Arabic/Sudan	15550	150	135	39SW,47E,48W	NW Africa
1600-1800	Daily	Radio Dengê Welat	Kurdish/Turkish	11530	250	090	39	Middle East

1730-1745	Daily	Radio Auxumite	Tigrinya	15340	250	127	48W	NW Africa
1700-1900	Daily	NHK World Japan	Japanese	9780	500	140	37-39	N Africa/ME
				11945	500	155	52,57	S Africa
1800-1830	Daily	Dandal Kura R Int	Kanuri	11830	100	167	46,47	W Africa
1800-1900	Daily	Radio Algérienne	Arabic/French	13815	500	162	37S,38W,46E,47	NW Africa
1800-1900	Daily	Deutsche Welle	Hausa	11850	500	167	46,47W	W Africa
				15215	500	175	46,47W	W Africa
1800-2100	Daily	Radio Dengê Welat	Kurdish/Turkish	9525	250	090	39	Middle East
1900-2000	Daily	Radio Algérienne	Arabic/French	11985	500	162	37S,38W,46E,47	NW Africa
				12060	500	194	37S,46	NW Africa
1900-2100	Daily	NHK World Japan	Japanese	15130	500	152	46-48,52,53	W/C Africa
2000-2100	Daily	KBS World Radio	French	5950	250	175	37NE,37S,38,46N,47NW	N/W Africa
2000-2100	Daily	Radio Algérienne	Arabic/French	9510	500	194	37S,46	NW Africa
				9660	500	162	37S,38W,46E,47	NW Africa
2030-2100	Daily	NHK World Japan	French	7425	500	190	37,46,47	N&W Africa
2100-2200	Daily	Radio Algérienne	Arabic/French	5930	500	194	37S,46	NW Africa
				9585	500	160	46E,47N,47SW	NW Africa
2200-2300	Daily	Radio Taiwan Int	German	3995	100	260	27,28	Europe
2200-2300	Daily	Radio Algérienne	Arabic/German	5930	500	194	37SW,46	NW Africa

Radio For Peace International

RFPI broadcasts are structured around conferences lasting 45-50 minutes on subjects touching on peace, humanism, human rights, the environment, freedom of the press. The objective is not to impose a reality but to provide food for thought so that everyone can walk in respect, listening, dialogue in order to co-build peace.

Transmitter sites: Broadcasts are via Radio Miami Int., Okeechobee FL, USA and Channel 292, Rohrbach, Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tx site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0000-0100	Sunday	French	9395	Okeechobee	100	355	3,4,9	N America
1300-1400	Sunday	French	15770	Okeechobee	100	044	9,17,18,27-28	Europe
1400-1500	3rd Thursday of the month	French	21525	Okeechobee	100	087	36,46-47,52	Africa
1900-1915	Tests (see below)	Russian	15770	Okeechobee	100	044	9,17,18,27-28	Europe
2000-2100	Thursday	French	7780	Okeechobee	100	044	9,17,18,27-28	Europe
2000-2100	Friday	French	15770	Okeechobee	100	044	9,17,18,27-28	Europe
2100-2200	2nd Saturday of the month	French	6070	Rohrbach	10	ND	18,27,28	Europe
2200-2300	Wednesday	French	9955	Okeechobee	100	160	10-16	C/S America

Germany

Deutsche Welle

Deutsche Welle (DW) is Germany's public international broadcaster.

Transmitter sites: All DW transmissions have ceased from their own shortwave transmitter sites in Germany and overseas and DW now hires airtime on other facilities.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0630-0700	Daily	Hausa	9830	Pinheira, Sao Tome	100	000	46,47W	West Africa
			11850	Issoudun, France	500	170	46,47W	West Africa
			15215	Issoudun, France	500	160	46,47W	West Africa
1300-1400	Daily	Hausa	9830	Pinheira, Sao Tome	100	000	46,47W	West Africa
			11850	Pinheira, Sao Tome	100	020	46,47W	West Africa
			17800	Issoudun, France	500	172	46,47W	West Africa
1400-1430	Daily	Dari	6100	Tashkent, Uzbekistan	100	150	40E,41NW	West Asia
			15230	Dhabbaya, UAE	250	045	40E,41NW	West Asia
1430-1500	Daily	Pashto	6100	Tashkent, Uzbekistan	100	150	40E,41NW	West Asia
			15230	Dhabbaya, UAE	250	045	40E,41NW	West Asia
1600-1700	Daily	Amharic	15275	Issoudun, France	500	130	48	North-East Africa
			17800	Issoudun, France	500	130	48	North-East Africa
1800-1900	Daily	Hausa	9830	Pinheira, Sao Tome	100	000	46,47W	West Africa
			11850	Issoudun, France	500	167	46,47W	West Africa
			15215	Issoudun, France	500	175	46,47W	West Africa

Deutsche Welle also provides coverage of Bundesliga matches in Hausa on most Saturdays during the football season.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1325-1530	Sat	Hausa	15195	Issoudun, France	500	165	46,47W	West Africa
			15350	Issoudun, France	500	175	46,47W	West Africa

DW English: Ivo Ivanov reported Deutsche Welle's programme in English was heard via WRMI-03 Okeechobee FL at 1100-1200 on 9955 kHz on 28 February 2022. Seemingly not heard since then?

Media Broadcast GmbH - shortwave relays from Nauen

Media Broadcast is Germany's largest service provider in the broadcasting and media industry.

Transmitter site: MBR own and operate the transmitter site at Nauen, a town in the Havelland district, in Brandenburg. MBR offers airtime to various international and religious broadcasting organisations. The site consists of 2 x 100 kW and 4 x 500 kW (operating at 125 or 250 kW).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0000-0200	Sun	Mighty KBC Radio	Dutch/English	5960	125	300	2,3,4,6,7,8,9,10	Americas
0430-0500	Daily	NHK World Japan	Russian	6165	125	085	27,28	Europe
0430-0500	Daily	Adventist World Radio	French	6155	125	210	37,38W	N Africa
0500-0515	Fri	Bible Voice Broadcasting	Arabic	9735	250	120	39,40	M East
0600-0615	Daily	Bible Voice Broadcasting	Arabic	11655	125	180	46N,47NW,38W,37S	N Africa
0600-0630	Daily	Adventist World Radio	French	15455	250	200	46S	W Africa
0700-0800	Daily	Adventist World Radio	Arabic	15220	250	210	37,38W	N Africa
0700-0800	Daily	Dandal Kura Radio Int	Kanuri	15260	125	185	46,47	W Africa
0830-0900	Daily	Adventist World Radio	Tachelhit	15220	125	210	37,38W	NW Africa
0900-1000	Sun	Adventist World Radio	Italian	9610	125	180	28W	Europe
1000-1100	1st Sat/qtr	Radio SE-TA 2	German	6095	100	233	27E,28	Europe
1030-1100	Sat/Sun	Evang. Missions-Gem.	German	6055	125	222	27,28	Europe
1300-1330	Mon-Fri	Adventist World Radio	Chinese	11770	250	075	42,43W	W China
1300-1330	Sat/Sun	Adventist World Radio	Uighur	17770	250	075	42,43W	W China
1330-1400	Daily	Adventist World Radio	Chinese	17850	250	075	42,43W	W China
1400-1430	1st Sat/mth	Bible Voice Broadcasting	English	15265	250	102	41	S Asia
1430-1445	Sun	Pan American Broadcasting	English	15205	250	094	41	S Asia
1430-1500	Sat	Bible Voice Broadcasting	English	15265	250	102	41	S Asia
1530-1600	Daily	HCJB	Russian	13800	100	100	29S	Russia
1530-1600	M-W/SS	Adventist World Radio	English	15670	250	080	41N,42S	S Asia
1530-1600	Thu/Fri	Adventist World Radio	Tibetan	15670	250	080	41N,42S	S Asia
1600-1630	Daily	HCJB	Chechen	13800	100	100	29S	Russia
1600-1630	Sun-Tue	Bible Voice Broadcasting	Oromo	15310	100	142	38S,39S,47,48	NE Africa
1600-1700	Sun	Pan American Broadcasting	English	11830	125	128	39	M East
1630-1700	Sat/Sun	Bible Voice Broadcasting	Somali	15310	100	142	38S,39S,47,48	NE Africa
1630-1730	Tue	Bible Voice Broadcasting	Amharic	15310	100	142	38S,39S,47,48	NE Africa
1630-1700	Daily	Adventist World Radio	Tigrinya	15490	250	140	48	NE Africa
1630-1700	Daily	Adventist World Radio	Amharic	17725	250	140	48	NE Africa
1700-1730	Wed/Thu	Bible Voice Broadcasting	Amharic	15310	100	142	38S,39S,47,48	NE Africa
1700-1730	Sun	Bible Voice Broadcasting	Tigrigna	15310	100	142	38S,39S,47,48	NE Africa
1700-1730	Fri/Sun	Voice of Oromo Liberation	Oromo/Arabic	15420	100	216	38E,39S,48	NE Africa
1700-1800	Wed	Voice of Oromo Liberation	Oromo/Arabic	15420	100	216	38E,39S,48	NE Africa
1730-1800	Tue/Wed	Bible Voice Broadcasting	Tigrigna	15310	100	142	38S,39S,47,48	NE Africa
1730-1800	Sat	Bible Voice Broadcasting	Oromo	15310	100	142	38S,39S,47,48	NE Africa
1730-1800	Sun	Bible Voice Broadcasting	Amharic	15310	100	142	38S,39S,47,48	NE Africa
1730-1800	Daily	Adventist World Radio	Oromo	17720	250	145	48	NE Africa
1800-1830	Fri	Bible Voice Broadcasting	Persian	9610	100	105	39,40	W Asia
1800-1900	Thu	Bible Voice Broadcasting	Persian	9610	100	105	39,40	W Asia
1815-1830	Sun	Bible Voice Broadcasting	English	9635	250	130	39,40	M East
1830-1900	Tue/Sun	Bible Voice Broadcasting	Persian	9610	100	105	39,40	W Asia
1830-1915	Sun	Bible Voice Broadcasting	English	9635	125	130	39	M East
1900-2000	Daily	Adventist World Radio	Arabic	11810	250	210	37,38W	N Africa
1930-2000	Daily	Adventist World Radio	Tachelhit	11955	250	210	37,38W	NW Africa
1930-2000	Daily	Adventist World Radio	Ibo	12070	250	180	46SE	W Africa
2000-2030	Daily	Adventist World Radio	French	9760	250	185	46E,47W	C Africa
				9780	250	210	37,38W	N Africa
2000-2030	Daily	Adventist World Radio	Twi	11800	250	200	46SW	W Africa
2030-2100	Daily	Adventist World Radio	Yoruba	11790	250	180	46SE	W Africa
2100-2130	Daily	Adventist World Radio	Nigerian Pidgin	9800	250	180	46SE	A Africa
2130-2200	Daily	Adventist World Radio	Twi	9805	250	200	46SE	W Africa

Additional broadcasts from Nauen may be made at short notice for special occasions.

MEDIA
BROADCAST

USAGM Germany Transmitting Station (shortwave relays from Biblis and Lampertheim)

The USAGM Germany Transmitting Stations at Biblis and Lampertheim are used for Voice of America and RFE/RL transmissions to Africa, the Middle East, and Asia.

Transmitter sites: Biblis is a municipality in the Bergstraße district in southern Hesse. It has 11 x 100 kW shortwave transmitters. Lampertheim is a town in the Bergstraße district in Hesse. it has 9 x 100 kW shortwave transmitters.

Time/UTC	Days	Station	Language	kHz	Site	kW	Az.	CIRAF	Area
0030-0100	Daily	VOA Radio Ashna	Pashto	7495	Lampertheim	100	080	40E,41NW	W Asia
0100-0130	Daily	VOA Radio Ashna	Dari	7495	Lampertheim	100	080	40E,41NW	W Asia
0100-0200	Daily	Radio Free Asia	Uighur	9800	Biblis	100	063	42,43W	W China
0130-0200	Daily	VOA Radio Ashna	Pashto	7495	Lampertheim	100	080	40E,41NW	W Asia
0200-0230	Daily	VOA Radio Ashna	Dari	7495	Lampertheim	100	080	40E,41NW	W Asia
0230-0300	Daily	RFE/RL Radio Azadi	Pashto	9480	Biblis	100	088	40E,41NW	W Asia
0300-0330	Daily	RFE/RL Radio Azadi	Dari	9480	Biblis	100	088	40E,41NW	W Asia
0300-0630	Daily	Radio Farda	Persian	9370	Lampertheim	100	104	40	W Asia
0330-0430	Daily	RFE/RL Radio Azadi	Pashto	9480	Biblis	100	088	40E,41NW	W Asia
0530-1530	Daily	Radio Farda	Persian	15690	Lampertheim	100	085	40	W Asia
0830-1530	Daily	Radio Farda	Persian	17830	Lampertheim	100	108	40	W Asia
1100-1200	Daily	Radio Free Asia	Tibetan	15265	Biblis	100	075	42,43W	Tibet
1100-1230	Daily	Radio Farda	Persian	9370	Lampertheim	100	104	40	W Asia
1100-1300	Daily	Radio Farda	Persian	12005	Lampertheim	100	092	40	W Asia
1200-1300	Daily	Radio Free Asia	Tibetan	17860	Lampertheim	100	077	42,43W	Tibet
1300-1700	Daily	VOA Deewa Radio	Pashto	15640	Lampertheim	100	092	40E,41NW	W Asia
1400-1500	Daily	Voice of America	Tibetan	17490	Biblis	100	085	42,43W	Tibet
				17585	Lampertheim	100	077	42,43W	Tibet
1400-1500	Daily	Voice of America	Kurdish	11985	Biblis	100	105	39N,40W	M East
1400-1500	Daily	RFE/RL Radio Azatlyk	Turkmen	12055	Biblis	100	085	30S	C Asia
1400-1600	Daily	RFE/RL Radio Ozodi	Tajik	11850	Lampertheim	100	075	30SE	C Asia
				15450	Lampertheim	100	077	30SE	C Asia
1600-1700	Daily	Voice of America	Tibetan	9760	Lampertheim	100	075	42,43W	Tibet
1600-1700	Daily	RFE/RL Radio Ozodlik	Uzbek	11790	Biblis	100	063	30S	C Asia
1600-1700	Daily	Radio Free Asia	Uighur	15625	Biblis	100	075	42,43W	W China
1630-1700	Mon-Fri	Voice of America	English	15660	Lampertheim	100	132	47,48	S Sudan
1700-1800	Daily	Voice of America	Kurdish	7435	Biblis	100	105	39N,40W	M East
				11760	Biblis	100	105	39N,40W	M East
1700-1900	Daily	VOA Deewa Radio	Pashto	12035	Lampertheim	100	092	40E,41NW	W Asia
1900-2000	Daily	Voice of America	Kurdish	6170	Biblis	100	105	39N,40	M East
				7225	Biblis	100	105	39N,40	M East

Privately-owned shortwave transmitters

Several privately-owned shortwave transmitters have been licensed in Germany and the owners either broadcast their own programmes and/or those produced by other organisations. Transmitters currently on-air are:








kHz	Operator	Location	Power	Time/UTC
3955	Radio Channel 292	Rohrbach	10 kW	0600-1900 & 2100-0500
3975	Shortwave Gold	Winsen	1 kW	1600-2200
3985	Shortwaveservice	Kall-Krekei	1 kW	0700-1900
3995	Radio HCJB Deutschland	Weenermoor	1.5 kW	24 hours
5920	Radio HCJB Deutschland	Weenermoor	1.5 kW	0600-1605
6005	Shortwaveservice	Kall-Krekei	1 kW	0800-1600
6070	Radio Channel 292	Rohrbach	10 kW	24 hours
6085	Shortwaveservice	Kall-Krekei	1 kW	0700-1700 (Radio Mi Amigo International)
6115	Radio SE-TA 2	Gera	1 kW	Irregularly 0800-1100
6150	Europa 24	Datteln	0.25 kW	0700-1505
6160	Shortwave Gold	Winsen	1 kW	0700-2200
7365	Radio HCJB Deutschland	Weenermoor	3 kW	0800-1400
9670	Radio Channel 292	Rohrbach	10 kW	24 hours
15785	Funklust	Erlangen	0.1 kW	24 hours - DRM

Channel 292

Channel 292 use the transmitter at Rohrbach, which is licensed to Intermedicom GmbH. The schedule includes programmes produced by third party organisations.

Further details: [Channel 292 website](#)

Time/UTC	Days	kHz	Site	kW	Az.	CIRAF	Area
0600-1900 & 2100-0500	Daily	3955	Rohrbach, Waal	10	ND	18,27,28	Europe
24 hours	Daily	6070	Rohrbach, Waal	10	ND	18,27,28	Europe
24 hours	Daily	9670	Rohrbach, Waal	10	ND	18,27,28	Europe

2022	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	3955
UTC	April 18	19	20	21	22	23	24 APRIL	CEST
0000	Radio Channel 292 - 75 meter band							0200
0100	3955 kHz for Central Europe							0300
0200	16	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0400
0300		CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0500
0400		CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0600
0500	Blocked by transmission from Woofferton							0700
0600	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0800
0700	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0900
0800	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1000
0900	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1100
1000	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1200
1100	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1300
1200	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1400
1300	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1500
1400	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1600
1500	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1700
1600	artistRadio +6 Germany	CHANNEL 292 PROGRAM	+6 POP SHOP RADIO SHOW	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Radio Waves International	1800
1700	Radio ohne Namen Jetzt geht's los	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Bobs 60s Splash	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1900
1800								2000
1900	Radio Waves International	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2100
2000	Blocked by transmission from Woofferton							2200
2100	Cruisin' The Decades	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Cruisin' The Decades	+6 POP SHOP RADIO SHOW	ENCORE Classical Music	2300
2200	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2400
2300	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0100

Music program Talk / News Liveprogram

These hours are FREE for your BOOKINGS:

Channel 292 program
Offshore
History Radio

+6 on 6070 kHz too
+9 on 9670 kHz too
+6/9 on 6070 and 9670 too

Updated:
29-03-2022
dd—mm—yyyy

Schedule for 3955 kHz



2022	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	6070
UTC	April 18	19	20	21	22	23	24 APRIL	CEST
0000	Radio Channel 292							0200
0100	49 meter band - 6070 kHz - all over Europe							0300
0200	16	L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0400
0300		L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0500
0400		L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0600
0500	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0700
0600	Radio Waves International	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	R N I Goldrausch	Radio Waves International	0800
0700	SuperClan Radio	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Radio Waves International	SuperClan Radio	0900
0800	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Radio CITY	R N I Goldrausch	1000
0900	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	100 kW +9 DARC	1100
1000	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Alt Universe Top 40	CHANNEL 292 PROGRAM	+9 ENCORE Classical Music	+9 ValleyFM	1200
1100	RDXF - Radio DX - Freunde	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	+9 Alt Universe Top 40	Welle 370 Radiotag	1300
1200	RDXF - Radio DX - Freunde	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	R N I DIAMONDS	JAKE FM	1400
1300	RDXF - Radio DX - Freunde	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Radio ohne Namen Jetzt geht's los	CHANNEL 292 PROGRAM	JAKE FM	1500
1400	RDXF - Radio DX - Freunde	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1600
1500	+9 DARC	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	SM Radio DESSAU	CHANNEL 292 PROGRAM	1700
1600	artistRadio Germany+3	CHANNEL 292 PROGRAM	+3 POP SHOP RADIO SHOW	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1800
1700	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Bobs 60s Splash	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1900
1800	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	JUST RIGHT	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2000
1900	CHANNEL 292 PROGRAM	+9 Prawda dlja Rossii	CHANNEL 292 PROGRAM	+9 Prawda dlja Rossii	ENCORE Classical Music	+9 Prawda dlja Rossii	+9 Prawda dlja Rossii	2100
2000	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2200
2100	CHANNEL 292 PROGRAM	Cruisin' The Decades	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	+3 POP SHOP RADIO SHOW	CHANNEL 292 PROGRAM	2300
2200	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Cruisin' The Decades	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2400
2300	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0100

Music program

Talk / News

Liveprogram

These hours are FREE for your BOOKINGS:

Channel 292 program
Offshore History Radio

+3 on 3955 too

+9 on 9670 too

+3/9 on 3955 and 9670 too

Updated:
11-04-2022
 dd----mm-----yyyy

Schedule for 6070 kHz

12

2022	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	9670
UTC	April 18	19	20	21	22	23	24 APRIL	CEST
0000	Radio Channel 292 - 31 meter band							0200
0100	9670 kHz - worldwide							0300
0200	16	L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0400
0300		L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0500
0400		L 292 AM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0600
0500	Prawda dlja Rossii D	CHANNEL 292 PROGRAM	Prawda dlja Rossii D	CHANNEL 292 PROGRAM	Prawda dlja Rossii D	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0700
0600	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0800
0700	Radio Waves International R	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Crusader Radio	0900
0800	SuperClan Radio R	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	SuperClan Radio R	1000
0900	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	jazz am from gbradio.uk NP	DARC +6	1100
1000	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	+6 ENCORE Classical Music	ValleyFM +6 NP	1200
1100	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	+6 Alt Universe Top 40	Jazz am from gbradio.uk NP	1300
1200	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Cruisin' The Decades	WMRI Europe PR	1400
1300	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	WMRI Europe PR	1500
1400	CHANNEL 292 PROGRAM	1500 - 1600 UTC 13600 kHz, 100 kW	CHANNEL 292 PROGRAM	1500 - 1600 UTC 13600 kHz, 100 kW	CHANNEL 292 PROGRAM	1500 - 1600 UTC 13600 kHz, 100 kW	WMRI Europe PR	1600
1500	DARC +6	Prawda dlja Rossii D	CHANNEL 292 PROGRAM	Prawda dlja Rossii D	CHANNEL 292 PROGRAM	Prawda dlja Rossii D	WMRI Europe PR	1700
1600	VORW Radio International D	CHANNEL 292 PROGRAM	VORW Radio International D	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	ENCORE Classical Music	1800
1700	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Bohs 60s Splash	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	1900
1800	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2000
1900	CHANNEL 292 PROGRAM	Prawda dlja Rossii +6 D	CHANNEL 292 PROGRAM	Prawda dlja Rossii +6 D	CHANNEL 292 PROGRAM	Prawda dlja Rossii +6 D	Prawda dlja Rossii +6 D	2100
2000	Echo Sthlm D	Echo Sthlm D	Echo Sthlm D	Echo Sthlm D	Echo Sthlm D	Echo Sthlm D	Echo Sthlm D	2200
2100	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	2300
2200	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	Radio Waves International R	CHANNEL 292 PROGRAM	2400
2300	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	CHANNEL 292 PROGRAM	0100

Music program Talk / News Liveprogram

These hours are FREE for your BOOKINGS:

Channel 292 program
Offshore
History Radio

+3 on 3955 kHz too
+6 on 6070 kHz too
+3/6 on 3955 and 6070 too

Updated:
12-04-2022
dd-mm-yyyy

Schedule for 9670 kHz



Europa 24 (Radio Marabu)

Europa 24 owns a transmitter at Datteln, which is licensed to Interessengemeinschaft Hochfrequenztechnik e.V. Airtime, and is leased to Radio Marabu, a non-commercial, German radio station with a focus on alternative music.

Further details: [Radio Marabu website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0700-1505	Daily	6150	Datteln	0.25	ND	18,27,28	Europe

Funklust

Funklust is an independent media service provided by students at the Friedrich-Alexander University of Erlangen-Nuremberg. The student multimedia initiative enables students of all disciplines and regardless of their level of technical knowledge to gain experience in radio, video and online journalism. It broadcasts in DRM (xHE-AAC)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
24 hours	Daily	15785	Erlangen	0.1	ND	18,19,27,28,29,37N	Europe

Radio HCJB Deutschland

The German department of HCJB in Quito, Ecuador, was founded in 1953 and began producing programmes for German-speakers in Europe and South America. More recently, the Radio HCJB eV working group in Germany has been campaigning for more Christian programmes on the radio and to achieve this a range of programmes for Central Europe has been expanded step by step since 2012, and is now broadcast around the clock. German-language programmes are also produced by partner organisations.

Further details: [Radio HCJB Germany website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
24 hours	Daily	German	3995	Weenermoor	1.5	ND	18,27,28	Europe
0600-1600	Daily	German	5920	Weenermoor	1.5	145	18,27,28,37	Europe
0800-1300	Daily	German	7365	Weenermoor	3	145	27,28	Europe

Radio HCJB in cooperation with Segenswelle in Russian around the clock (Update: 21 March 2022): "Due to the situation around Ukraine, we have decided to change our programs. Since March 12th, 2022 we have been broadcasting a Russian program on the frequency 7365 kHz in the 41m band around the clock to the east in cooperation with our partner "Segenswelle". Our second chairman Viktor Sawatzki, who is also the leader of the Segenswelle, is currently trying to create programs in the Ukrainian language that will complement this program. Viktor and some of his Segenswelle employees and other helpers also did an aid mission last week, bringing food and other donations in kind to Ukraine. (More information on this can be found on the Segenswelle [homepage www.segenswelle.de](http://www.segenswelle.de)). You can also listen to the program streamed at the following [link](#)".

Radio SE-TA 2

Radio SE-TA 2 broadcasts primarily in German to German citizens living outside of Germany. Programmes include information and music from Germany to maintain their connection to home.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1000-1200	irregularly	German	6115	Hartenstein, Germany	1	ND	27,28	Europe
1000-1100	1st Sat of each new quarter	German	6095	Nauen, Germany	125	233	27E,28	Europe

Shortwave Gold

Shortwaveradio owns and operates shortwave transmitters at Winsen. The station is run by shortwave radio enthusiasts on a non-political and non-commercial basis.

Further details: [Shortwaveradio website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1600-2200	Daily	3975	Winsen, Aller	1	ND	27,28	Europe
0700-2200	Daily	6160	Winsen, Aller	1	ND	27,28	Europe

Shortwaveservice

The shortwave transmitters at Kall are owned and operated by Shortwaveservice and are located on the site of a former utility radio station of the German police force. As well as its own programmes on Sunday, Shortwaveservice relays an extensive selection of programmes produced by various organisations.

Further details: [Shortwaveservice website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>	<i>Notes</i>
0700-1900	Daily	3985	Kall, Krekel	1	ND	18,19,27,28,29,37N	Europe	
0800-1600	Daily	6005	Kall, Krekel	1	ND	18,19,27,28,29,37N	Europe	
0700-1700	Daily	6085	Kall, Krekel	1	ND	17,18,19,27,28,29,36,37N,75,80	Europe	R Mi Amigo Int

Radio Mi Amigo International had been reported on 6030 kHz in February 2022 in parallel with 6085 kHz. This was to escape morse jamming interference that had appeared on 6085 kHz, but the jamming followed them to 6030 and they subsequently stopped using that frequency. (thanks to Harald Kuhl for clarifying)

Other notable German shortwave stations

Deutscher Wetterdienst

Deutscher Wetterdienst (DWD), Germany's National Meteorological Service, broadcasts shipping forecasts for the Baltic and the North Sea each day at the times specified below.

Further details: [DWD website](#)

<i>Time/UTC</i>	<i>Days</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0500-0530	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
1100-1130	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
1500-1530	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe
1900-1930	Daily	5905	Pinneberg	10	ND	18,27,28	Europe
		6180	Pinneberg	10	ND	18,27,28	Europe

Evangelische Missions-Gemeinden

Evangelische Missions-Gemeinden is produced by Missionswerk Evangelische Missions-Gemeinden in Deutschland e.V.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1030-1100	Sat/Sun	German	6055	Nauen, Germany	125	222	27,28	Europe

Radio DARC

Radio DARC is produced by the association of German radio amateurs, Deutscher Amateur-Radio-Club e.V. (DARC).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0900-1000	Sun	German	6070	Moosbrunn, Austria	100	ND	18,27-29,37-39	Europe
			9670	Rohrbach, Germany	10	ND	18,27,28	Europe
1400-1500	Mon	German	6070	Rohrbach, Germany	10	ND	18,27,28	Europe
			9670	Rohrbach, Germany	10	ND	18,27,28	Europe
1800-1900	Mon	German	3955	Rohrbach, Germany	10	ND	18,27,28	Europe

Radio Joystick

Radio Joystick is a long established station that started as a pirate operation but has since been relayed legally on SW.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1000-1100	Sun	German	7330	Moosbrunn, Austria	100	270	27,28	Europe

Welle 370

Welle 370 is a monthly programme produced by Förderverein Sender Königs Wusterhausen e.V., the association in charge of maintaining the the museum at the historical "Funkenberg" transmitter site in Königs Wusterhausen.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0800-0900	first Sunday of the month	German	6140	Moosbrunn, Austria	100	270	27E,28NW	Europe

Radio Öömrang

Radio Öömrang (Amrum) has an annual broadcast in February in the North Frisian dialect, German and English. The February date coincides with local festivities in Amrum in the German North Frisian Islands.

<i>Time/UTC</i>	<i>Next broadcast date</i>	<i>Language</i>	<i>kHz</i>	<i>Site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1600-1700	Tuesday 21 Feb 2023	North Frisian dialect, German and English	15215	Issoudun	500	300	4,8,9

Radio Gruss an Bord

NDR Info sends Christmas messages to seafarers all over the world on each Christmas Eve. Families and friends wish their loved ones at sea a happy holiday in the traditional programme "Gruss an Bord" (Greeting on Board). The last programme was broadcast on Christmas Eve 2021 from 7 p.m. to 10 p.m. CET on NDR Info and NDR Info Spezial. So that the ships on the world's oceans can receive the traditional broadcast, NDR rents time on shortwave.

<i>Time/UTC</i>	<i>Next broadcast date</i>	<i>Language</i>	<i>kHz</i>
1800-2100	Saturday 24 December 2022	German	to be confirmed

Studio52 Radio Group

The Studio52 radio group is a network of small hobby radio stations in the Netherlands and Germany. They stream their programmes from studios in the Netherlands and Germany (using the Radio60! streaming service) and sometimes via a shortwave transmitter. The current members are Studio52 (Netherlands), Das Radio (Germany), Radio60! (Germany), Telstar-Radio (Netherlands), Odyonn-Radio (Netherlands), Radio Dutchwing (Netherlands) and DJ Nick (Netherlands).

Greece

ERT (I Foni tis Elladas, Voice of Greece)

The Voice of Greece is the international service of Greek state radio.

Transmitter site: Avlis, 37 km northeast of Athens, which has 2 x 100 kW & 1 x 150 kW shortwave transmitters.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1230-1700	Mon-Fri	Greek	9420	Avlis, Greece	150	323	01-11,80,36,27-29,38-41	EuMEAm

Possible end of an ERT Voice of Greece transmitting on shortwave 9420 kHz via Avlis: The ERT CEO Giorgos Gambitsos, has signed a decree to close down the shortwave transmitting facility at Avlis from 31 March 2022. The news release by ERT is leaving the possibility of shortwave broadcasts to continue only if the Ministry of Defense and Foreign Ministry decide to oversee the continuation of broadcasts on shortwave.

Update: ERT's Board of Directors after a request by the Ministry of Defense decided to extend the broadcasts of the Voice of Greece via the shortwave transmitting center in Avlis until 31 May 2022. The situation will be re-evaluated again at the end of this extension. Here is the press release by ERT concerning VOG: "The modification of the AOA 4470/20.12.2021 (Minute 282, Item 54: Transmission of the radio program The Voice of Greece on short waves) and extends the operation of the Avlida Short Wave Broadcasting Centre until 31.05.2022, following a request from the Ministry of Defence, when the conditions will be re-evaluated. Until then, the operation of the Avlida Centre will operate with a day shift consisting of 2 employees for 5 days a week (Monday to Friday). At the same time, the provision of security services for the premises is extended". (Christos Rigas, Illinois, 1 April 2022, WOR iog)

Italy

IRRS - NEXUS-IBA

NEXUS-International Broadcasting Association is a coalition of broadcasters and independent programme producers and enjoys official status as a United Nations Non-Governmental Organization (NGO).

Transmitter sites: IRRS operate from offices in Milan, Italy, and Dublin, Ireland, with technical facilities located around the world. Shortwave broadcasts are from sites in Bulgaria and Romania and are primarily to Europe.

0800-0900 Saturday and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0800-0900	1st/2nd/3rd Sat	Radio City	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
0800-0900	4th Sat	Radio Rasant	9510	Saftica, Romania	100	ND	18-20,27-30,37-40

0930-1200 Sunday and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
0930-1000	Sun	Living the Bible	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1000-1030	Sun	News & features	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1030-1045	Sun	United Nations Radio	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1045-1100	Sun	Faithway Baptist Hour	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1100-1130	Sun	AWR Wavescan	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1130-1145	Sun	16 Gwendoline Street	9510	Saftica, Romania	100	ND	18-20,27-30,37-40
1145-1200	Sun	News & features	9510	Saftica, Romania	100	ND	18-20,27-30,37-40

1800-1900 Daily and may include:

<i>Time/UTC</i>	<i>Days</i>	<i>Programme</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>
1815-1844	1st/2nd/4th Fri	World of Radio	7290	Kostinbrod, Bulgaria	50	306	18-20,27-30,37-39
1830-1900	Tue	Wavescan	7290	Kostinbrod, Bulgaria	50	306	18-20,27-30,37-39

Moldova (PMR)

Pridnestrovsky Radioteletsentr

The Pridnestrovsky Radioteletsentr is owned by Russia's national transmitter network operator, the Russian Television and Radio Broadcasting Network (RTRN).

Transmitter site: The Pridnestrovsky Radioteletsentr is situated near Maiac, an urban settlement 11 km northeast of Grigoriopol, Transnistria (Moldova). 5 x 1000 kW shortwave transmitters (believed to be operating at 300 kW).

<i>Time/UTC</i>	<i>Days</i>	<i>Station</i>	<i>Language</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0530-1600	Daily	Radio Dengê Welat	Kurdish/Turkish	11530	300	130	39,40	Middle East

Note: further shortwave relays via Pridnestrovsky Radioteletsentr for A22 are unconfirmed.

Netherlands

Radio Delta International

Radio Delta International is a dutch free radio station founded in 1971. Nowadays they are broadcasting with a license on 6020 kHz and 6005 kHz 49 meters shortwave with AM modulation. They are using a facility in Elburg the Netherlands.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0500-1400	Sun	English	6020	Elburg, Gelderland	1	ND	18,27,28,37	Europe

Radio Delta International is planning to use 6005 kHz in the evenings from 27 March 2022. 7340 kHz is also planned to be used in future also.

Radio Jong Europa

Radio Jong Europa was newly registered with HFCC from 28 June 2021.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1300-2200	irreg.	Dutch	6125	Alphen aan den Rijn, Zuid Holland	1	ND	18,27,28,37	Europe

Note: Alan Pennington reported Radio Jong Europa on 6175 kHz (rather than 6125) on Saturday 5 March 2022.

Radio Piepzender

Radio Piepzender is based in Zwolle, east Netherlands. Broadcasts are irregular at present.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>Transmitter site</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0700-1700	irreg.	Dutch	Zwolle, Overijssel	7445	1	ND	18,27,28,37	Europe
1700-0700	irreg.	Dutch	Zwolle, Overijssel	7425	1	ND	18,27,28,37	Europe

5940 and 6185 kHz may also be used irregularly.

Rockpower

Newly registered with HFCC from 28 June 2021.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>Transmitter site</i>	<i>kHz</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0800-1200	Daily	Dutch	Nijmegen, Gelderland	7260	1	ND	18,27,28,37	Europe
1200-2200	Daily	Dutch	Nijmegen, Gelderland	7270	1	ND	18,27,28,37	Europe

Sunlite

Stig Hartvig Nielsen reported on 4 December 2021: The new national DAB+ station in The Netherlands, Sunlite, which was launched on November 9th 2021 with a soft AC format, today at 14 UTC began broadcasting on shortwave 5955 kHz from Westdorpe in Zeeland, near the border with Belgium. Sunlite is using a temporary 75 Watts transmitter 24 hours a day for the next two weeks - and then Sunlite is expected to switch on a brand new 400 Watts transmitter daily at 06-18 UTC. But for the next two weeks DXers have the chance of catching Sunlite during the night (UTC) on 5955 kHz. Correct reports will be verified with an eQSL. Reports should go to: qsl@sunlite.nl. Sunlite is owned and operated by RadioCorp, which also runs 100% NL and SLAM! (via Hard-Core DX)

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
24 hours	Daily	Dutch	5955	Westdorpe, Zeeland	0.075	090	18,27E,28NW	Europe

The Mighty KBC

The Mighty KBC is a European radio station that airs rock n' roll oldies and classic rock to truckers across Europe. It is also aired on shortwave to North America.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0000-0200	Sun	Dutch/English	5960	Nauen, Germany	125	300	2,3,4,6,7,8,9,10	North America

Note: frequency will change to 9925 kHz from beginning of May 2022.

Here is the schedule for The Mighty KBC one-off broadcast on 27 March 2022:

0800-1500 UTC on 6095kHz (via Nauen), as posted on their Facebook page on 8 March:

0800-1000 Live from the 60's - The Real Don Steele

1000-1400 The Classic Hit List - M.G. Kelly

1400-1500 The Giant Jukebox - Eric van Willegen

(Alan Roe with thanks to Kari Kallio in WOR iog)

Norway

LKB/LLK Bergen Kringkaster

LKB/LLK Bergen Kringkaster is a museum/heritage radio station at Erdal that is operated by a group of enthusiasts. As well as its own programmes it has in the past also aired The C and Radio Northern Star, operated by Northern Star Media Services AS. Although the license for Bergen Kringkaster expired in mid-December 2021, it has since been renewed and shortwave operations are expected to resume on 5895 kHz soon (as well as on 1314 and 1611 kHz mediumwave).

Poland

Radio Poland

Radio Poland is part of Poland's public radio network, Polish Radio.

Transmitter site: Shortwave broadcasts no longer originate from Poland itself, but Radio Poland is heard over the facilities of Shortwaveservice with its daily programme in German.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
1500-1530	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Romania

Radiocom

Radiocomunicatii S.A. is a Romanian national company, which works under the brand name Radiocom. Radiocom is a leading company in Romania in the sphere of broadcasting and Telecommunication Services supply. As the national transmitter network owner, it also operates the shortwave transmitters at Galbeni, Săftica and Țigănești.

Transmitter sites: There are three shortwave transmitter sites currently operational in Romania:

Galbeni: Galbeni is a village in Filipești, a commune in Bacău County, Western Moldavia. It has 2 x 300 kW DRM-enabled shortwave transmitters.

Săftica: Săftica is a village in Balotești, a commune in the northwestern part of Ilfov County, Muntenia. It has 1 x 100 kW DRM-enabled shortwave transmitter.

Țigănești: Țigănești is a village in Ciolpani, a commune in the northwestern part of Ilfov county, Muntenia. It has 3 x 300 kW DRM-enabled shortwave transmitters.

Radio România Internațional

Radio România Internațional (Romanian: Radio România Internațional, or RRI) is a Romanian radio station owned by the Romanian public radio broadcaster Societatea Română de Radiodifuziune (SRR, the national public radio in Romania) that broadcasts abroad. Prior to 1989, the station was known as Radio Bucharest.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0100	Daily	English	7375	Galbeni	300	307	8	North America
			9550	Galbeni	300	307	8	North America
0000-0200	Daily	Romanian	7420	Țigănești	300	310	8	North America
			9370	Țigănești	300	310	8	North America
0100-0200	Daily	French	7375	Galbeni	300	307	4,8	North America
			9550	Galbeni	300	307	4,8	North America
0200-0300	Daily	Spanish	9440	Galbeni	300	245	14	South America
			9700	Țigănești	300	307	10	Central America
			11780	Țigănești	300	307	10	Central America
			11945	Galbeni	300	245	14	South America
0300-0400	Daily	English	7375	Țigănești	300	337	6	North America
			9850	Țigănești	300	337	6	North America
			11825	Galbeni	300	100	41	South Asia
			15330	Țigănești	90	100	41	South Asia (DRM)
0400-0430	Daily	Chinese	15220	Țigănești	90	067	43,44	East Asia (DRM)
			17660	Țigănești	300	067	43,44	East Asia
0400-0500	Daily	Romanian	6015	Galbeni	300	285	27SE	Europe
			7325	Galbeni	90	285	27SE	Europe (DRM)
0430-0500	Daily	Russian	6190	Țigănești	300	037	29	Western Russia
			7305	Țigănești	90	037	29	Western Russia (DRM)
0500-0530	Daily	French	7325	Galbeni	90	285	27SE	Europe (DRM)
			9660	Galbeni	300	285	27SE	Europe
			15400	Țigănești	300	217	46	West Africa
			17520	Țigănești	300	217	46	West Africa
0530-0600	Daily	English	6015	Țigănești	300	307	27N	Europe
			7325	Galbeni	90	300	27N	Europe (DRM)
			17760	Galbeni	300	100	55,58,59	Australia
			21550	Țigănești	300	097	55,58,59	Australia
0600-0630	Daily	German	7325	Țigănești	90	307	28NW	Europe (DRM)
			9700	Țigănești	300	307	28NW	Europe
0630-0700	Daily	Arabic	9660	Galbeni	300	140	39NW	Middle East
			9740	Țigănești	300	247	37	North Africa
			11790	Galbeni	300	140	39NW	Middle East
			11980	Țigănești	300	247	37	North Africa

0700-0800	Sun	Romanian	11790	Galbeni	300	140	39NW	Middle East
			13750	Țigănești	300	142	39NW	Middle East
			15200	Galbeni	300	110	40W	West Asia
			17780	Țigănești	300	112	40W	West Asia
0800-0900	Sun	Romanian	11650	Galbeni	300	165	38E	North Africa
			11990	Țigănești	300	142	39S	Middle East
			13790	Țigănești	300	142	39S	Middle East
			15200	Galbeni	300	165	38E	North Africa
0900-1000	Sun	Romanian	11650	Galbeni	300	285	27SE	Europe
			13790	Țigănești	300	247	37	North Africa
			15130	Țigănești	300	247	37	North Africa
			15150	Galbeni	300	285	27SE	Europe
1000-1100	Daily	French	11650	Galbeni	300	285	27SE	Europe
			13790	Țigănești	300	247	37	North Africa
			15130	Țigănești	300	247	37	North Africa
			15150	Galbeni	300	285	27SE	Europe
1100-1200	Daily	English	13750	Țigănești	300	307	27N	Europe
			15130	Țigănești	300	307	27N	Europe
			15320	Galbeni	300	165	48W	North-East Africa
			17670	Galbeni	300	165	48W	North-East Africa
1200-1230	Daily	Arabic	11700	Galbeni	300	140	39NW	Middle East
			13750	Țigănești	300	247	37	North Africa
			15130	Țigănești	300	142	39NW	Middle East
			15320	Galbeni	300	245	37	North Africa
1200-1300	Daily	Romanian	9490	Săftica	100	300	28N	Europe
1230-1300	Daily	Chinese	15160	Țigănești	300	067	43,44	East Asia
			17760	Țigănești	300	067	43,44	East Asia
1300-1400	Daily	Russian	11940	Țigănești	300	052	31S	Eastern Russia
			13610	Țigănești	300	052	31S	Eastern Russia
1300-1500	Daily	Romanian	11950	Galbeni	300	285	27SE	Europe
			15340	Galbeni	300	285	27SE	Europe
1400-1430	Daily	Italian	9520	Săftica	100	270	28SW	Europe
1400-1500	Daily	German	9600	Țigănești	300	300	28NW	Europe
			11880	Țigănești	300	300	28NW	Europe
1430-1500	Daily	Aromanian	5910	Săftica	100	240	28SE	Europe
1500-1530	Daily	Ukrainian	5910	Săftica	100	030	29SW	Europe
1500-1530	Daily	Russian	9580	Țigănești	90	037	29	Western Russia (DRM)
			11810	Țigănești	300	037	29	Western Russia
1530-1600	Daily	Serbian	5910	Săftica	100	270	28SW	Europe
1530-1600	Daily	Arabic	9810	Galbeni	300	140	39NW	Middle East
			11830	Țigănești	300	247	37	North Africa
			11900	Galbeni	300	140	39NW	Middle East
			13660	Țigănești	300	247	37	North Africa
1600-1630	Daily	Italian	5910	Săftica	100	270	28SW	Europe
1600-1700	Mon-Sat	Romanian	7265	Galbeni	300	142	39NW	Middle East
			9590	Galbeni	300	142	39NW	Middle East
1600-1700	Sun	Hebrew	7265	Galbeni	300	142	39NW	Middle East
			9590	Galbeni	300	142	39NW	Middle East
1600-1700	Daily	French	9500	Galbeni	300	285	27SE	Europe (DRM)
			11975	Țigănești	300	285	27SE	Europe
1630-1700	Daily	Aromanian	5910	Săftica	100	240	28SE	Europe
1700-1730	Daily	Ukrainian	5910	Săftica	100	030	29SW	Europe
1700-1800	Daily	English	9760	Țigănești	90	307	27N	Europe (DRM)
			11850	Țigănești	200	292	27N	Europe
1700-1800	Daily	Romanian	9500	Galbeni	300	285	27SE	Europe
			11975	Galbeni	300	285	27SE	Europe
1730-1800	Daily	Serbian	5910	Săftica	100	270	28SW	Europe
1800-1830	Daily	Italian	5910	Săftica	30	270	28SW	Europe (DRM)
1800-1900	Daily	German	7245	Țigănești	90	307	28NW	Europe (DRM)
			9570	Țigănești	300	307	28NW	Europe
1800-1900	Daily	Romanian	9500	Galbeni	300	285	27SE	Europe
			11975	Galbeni	300	285	27SE	Europe
1830-1900	Daily	Aromanian	5910	Săftica	100	240	28SE	Europe
1900-1930	Daily	Ukrainian	5910	Săftica	100	030	29SW	Europe
1900-2000	Daily	Romanian	9500	Galbeni	300	285	27SE	Europe
			11975	Galbeni	300	285	27SE	Europe

1900-2000	Daily	Spanish	9610	Țigănești	300	262	37NW	Europe
			11850	Țigănești	300	262	27S	Europe
1930-2000	Daily	Serbian	5910	Săftica	100	270	28SW	Europe
2000-2030	Daily	French	7315	Galbeni	90	285	27SE	Europe (DRM)
			9575	Galbeni	300	285	27SE	Europe
2030-2100	Daily	English	7315	Galbeni	90	300	27N	Europe (DRM)
			9740	Galbeni	300	300	27N	Europe
			11850	Țigănești	300	307	8	North America
			13650	Țigănești	300	307	8	North America
2100-2200	Daily	Spanish	9620	Țigănești	90	247	14	South America (DRM)
			11650	Galbeni	300	247	14	South America
2200-2300	Daily	English	5945	Galbeni	300	300	27N	Europe
			7310	Galbeni	300	300	27N	Europe
			7325	Țigănești	300	052	45N	East Asia
			9790	Țigănești	300	052	45N	East Asia
2300-0000	Daily	Spanish	9700	Țigănești	300	247	14	South America
			9760	Galbeni	300	280	12NE	South America
			11650	Țigănești	300	247	14	South America
			11800	Galbeni	300	280	12NE	South America

Shortwave relays from Radiocom facilities

This schedule lists IRRS relays that are believed to originate from Radiocom transmitters in Romania.

Time/UTC	Days	kHz	Station	Tx site	kW	Az.	CIRAF	Area
0800-9000	Sat	9510	IRRS Milano	Săftica	100	300	18-20,27-30,37-40	Europe
0930-1200	Sun	9510	IRRS Milano	Săftica	100	300	18-20,27-30,37-40	Europe
1500-1530	Mon-Wed/Fri/Sat	15400	ONM-ABO	Galbeni	300	135	38-41,47,48	Horn of Africa

ONM-ABO is Oromia National Media-Raadiyoo Arraata Biyyoolessaa Oromiyaa (brokered by IRRS) - see entry for Ethiopia in the Africa guide.

Russia

Radio Purga (DRM transmissions)

Although not in the European-part of Russia, Radio Purga is based in Anadyr and broadcasts a variety of information and music for listeners in Chukotka, Far Eastern Russia. In addition to its FM coverage, it also broadcasts irregularly on shortwave in DRM mode for listeners in the region.

Transmitter site: Komsomolsk-na-Amur - 20 kW DRM.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
2000-2300	Daily	Russian	9850	Komsomolsk-na-Amur	20	033	26	Chukotka
2300-0400	Daily	Russian	12025	Komsomolsk-na-Amur	20	033	26	Chukotka
0400-1000	Daily	Russian	15735	Komsomolsk-na-Amur	20	033	26	Chukotka

Target broadcasts to Russia

Radio 22

Radio 22 describes itself as an "uncensored program in Russian for the people in Russia on shortwave". It made its first broadcast on 9 April 2022.

Time/UTC	Days	kHz	Tx site	kW	Az.	CIRAF	Area
0500-0600	Mon/Wed/Fri	9670	Rohrbach, Germany	10	ND	18,27,28	Russia, Belarus & Ukraine
1500-1600	Tue/Thu/Sat	13600	Moosbrunn, Austria	100	055	29,30	Russia, Belarus & Ukraine
1900-2000	Tue/Thu/Sat/Sun	6070	Rohrbach, Germany	10	ND	18,27,28	Russia, Belarus & Ukraine
1900-2000	Tue/Thu/Sat/Sun	9670	Rohrbach, Germany	10	ND	18,27,28	Russia, Belarus & Ukraine

Radio 22 - Uncensored program in Russian for people in Russia on shortwave: the FundRazr page of Radio 22 states the following: "We are going to broadcast an uncensored program in Russian for people in Russia. The technical possibilities have already been clarified. The internet is becoming more and more restricted and sometimes at risk for the Russian people. Right now, uncensored news in Russia is absolutely essential. We draw our motivation from these experiences and see it as a social responsibility to act. The programs will be broadcast on shortwave. It is possible to receive that program with the simplest Radio and the listener is not exposed to the risk of being tracked. Technically everything is ready for the start, and it could start immediately. In addition we have some journalistic partners with us to create a daily program of around 60 minutes in length. The program will be broadcast twice a day. Everyone works for free and even the studios will not earn any fee. The only thing we have to pay is the powerful transmitter. every fund is welcome".

The Radio 22 FundRazr page is at: https://fundrazr.com/21yUL8?ref=ab_cb8he7_ab_4cROT3YnWyl4cROT3YnWyl.

Also via Glenn Hauser: "We are a new Radio station on shortwave, transmitting daily with low power (10kW) on 6070 kHz and 9670 kHz as well as three times with high power (100kW- high gain antenna) on 13600 kHz. The content consists of an uncensored news journal in Russian for the listeners in Russia. We are on air since April the 9th and earning phenomenal feedback. May we can exchange some details. I attached a broadcast schedule to this mail. [not to gh]. You find us on twitter as well under @Radio22_HF. All journalist working for free and only the transmitter has to be paid. For that we started a Crowdfunding campaign. Radio 22- Uncensored program in Russian for people in Russia on shortwave by Alex B. Best regards, Alexander Barz". (Glenn Hauser, 13 April 2022, WOR iog)

Echo Sthlm

The station's website says "Echo Sthlm is a Stockholm-based, Russian-language radio station where you get unbiased news about Russia and the war in Ukraine. With in-depth discussions and interviews, we convey a picture that is relevant to a broad Russian audience. No censorship – just quality, fact-based content. Echo Sthlm was set up as a reaction to the Russian state's increasing censorship: several Russian radio stations, websites and media outlets have been forced to close down since the invasion of Ukraine. We therefore broadcast both as a podcast on the internet and via shortwave radio, so that listeners in Russia can stay informed despite censorship attempts". The station was set up by former staff of Radio Sweden's Russian service with their first podcast on 18 March 2022. Echo Sthlm made its first shortwave broadcast on 24 March 2022.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
2100-2200	Thu-Sat	Russian	9670	Channel 292, Rohrbach, Germany	10	ND	18,27,28	Europe

RFE/RL Radio Liberty (Radio Svoboda)

The Russian Service of Radio Liberty (Radio Svoboda) is one of the editorial offices of the Radio Free Europe/Radio Liberty media corporation. Founded in 1953. The headquarters is located in Prague. Radio Free Europe/Radio Liberty is a non-profit media corporation that distributes information on various platforms to audiences in 23 countries in Eastern, Central and South-Eastern Europe, the Caucasus, Central and South Asia in 27 languages. The Corporation, as a private grantee, is funded by funds provided by the US Congress through the US Overseas Broadcasting Trustee, the US Agency for Global Media (USAGM). Although it is not aired on shortwave itself, there are currently daily broadcasts made possible by listener contributions to Shortwaves for Freedom, which purchases the airtime at greatly discounted rates. SFF sponsors broadcasts of Radio Liberty on other stations as well. They would like to expand these broadcasts to Russia, Ukraine and Eastern Europe, but they need additional donations in order to do so. Please see their crowdfunding site at www.fundrazr.com/radiowaves for more information. "If you are able, we encourage you to help Shortwaves for Freedom get truthful and reliable information to Russians and to the other people affected by the war in Ukraine."

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
1300-1400	Daily	Russian	15770	WRMI Okeechobee FL, USA	100	044	9,17,18,27-28	WCNA, Europe
0200-0300	Daily	Russian	7730	WRMI Okeechobee FL, USA	100	044	9,17,18,27-28	WCNA, Europe
0400-0500	Daily	Russian	7730	WRMI Okeechobee FL, USA	100	044	9,17,18,27-28	WCNA, Europe

Slovakia

Radio Slovakia International

Radio Slovakia International (RSI) is Slovakia's official internet-based international broadcaster.

Transmitter sites: Shortwave broadcasts no longer originate from Slovakia, but Radio Slovakia International is heard over the facilities of Radio Miami International in Florida and the ShortwaveService in Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0000-0030	Daily	Slovak	5850	Okeechobee FL, USA	100	315	2,3	North America
			7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0030-0100	Daily	Spanish	5010	Okeechobee FL, USA	100	181	10-12	C/S America.
0030-0100	Daily	English	5850	Okeechobee FL, USA	100	315	2,3	North America
			7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0230-0300	Daily	Spanish	9955	Okeechobee FL, USA	100	160	10-16	C/S America
0330-0400	Mon-Sat	English	7780	Okeechobee FL, USA	100	044	9,17,18,27-28	Europe
0900-0930	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1000-1030	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1100-1130	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1130-1200	Daily	French	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1300-1330	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1330-1400	Daily	French	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1400-1430	Daily	Spanish	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1430-1500	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1530-1600	Daily	French	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1530-1600	Daily	English	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1800-1830	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1830-1900	Daily	French	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Spain

Radio Exterior de España

Radio Exterior de España (REE) is the international radio service operated by Radio Nacional de España. The station is primarily intended for Spaniards living abroad. It broadcasts 24-hours a day on satellite and the Internet but for limited hours on shortwave. Transmissions are in Spanish, French, Arabic, Ladino, Portuguese, Russian and English.

Transmitter site: Noblejas, a municipality located in the province of Toledo, Castilla-La Mancha. It has 4 x 300 kW shortwave transmitters (operating at 200 kW according to HFCC registrations for A22).

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Tr. site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>			
1400-2030	Sat/Sun	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa/Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
1500-1530	Mon-Fri	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
1530-1800	Mon-Fri	Spanish	15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			1630-1700	Mon-Fri	Arabic	11670	Noblejas	200	161	46,47,52,57	Western Africa
			15520			Noblejas	200	110	38,39,47,48	Northern Africa, Middle East	
			1700-1730	Mon-Fri	Russian	11670	Noblejas	200	161	46,47,52,57	Western Africa
15520	Noblejas	200				110	38,39,47,48	North Africa, Middle East			
1800-2030	Mon-Fri	Spanish				11670	Noblejas	200	161	46,47,52,57	Western Africa
						11940	Noblejas	200	230	12-16	South America
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2030-2200	Mon-Fri	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
2030-2200	Sat/Sun	Spanish	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			2130-2200	Mon-Fri	Arabic	11670	Noblejas	200	161	46,47,52,57	Western Africa
15520	Noblejas	200				110	38,39,47,48	North Africa, Middle East			
2130-2200	Sun	Ladino	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2200-2230	Mo/We/Fr	English	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2200-2230	Tue	Ladino	11670	Noblejas	200	161	46,47,52,57	Western Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2230-2300	Mo/We/Fr	French	11670	Noblejas	200	161	46,47,52,57	Estern Africa			
			11940	Noblejas	200	230	12-16	South America			
			15520	Noblejas	200	110	38,39,47,48	North Africa, Middle East			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2300-2330	Tue-Sat	Portuguese	11940	Noblejas	200	230	12-16	South America			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			
2330-0200	Tue-Sat	Spanish	11940	Noblejas	200	230	12-16	South America			
			17855	Noblejas	200	290	4,6-11	North America,Caribbean			

Private radio stations on shortwave

Radio Mi Amigo International

Radio Mi Amigo International is a Spanish-based Internet radio station that also broadcasts on shortwave during the daytime. It's mission is to bring back "the Golden Era of Offshore AM Radio".

Transmitter site: Radio Mi Amigo International is heard over the facilities of ShortwaveService in Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0700-1600	Daily	English/Dutch/French/German	6085	Kall, Krekel, Germany	1	ND	27,28,29	Europe

Radio Mi Amigo International has also been reported on 6030 kHz in parallel with 6085.

Sweden

IBRA Media

IBRA Media, formerly IBRA Radio, is a Swedish-based Christian media organisation that is owned by Pentecostal churches in the Nordic countries.

Transmitter sites: IBRA Media broadcasts are brokered by Encompass and currently relayed by transmitters in Armenia, UAE, UK and Uzbekistan.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0000-0030	Daily	Bengali	9870	Tashkent, UZB	100	131	41NE	South Asia
0230-0300	Daily	Dari	9895	Dhabbaya, UAE	250	045	40E	West Asia
0800-0830	Daily	Arabic	15260	Moosbrunn, AUT	100	115	39NE	Middle East
			17640	Moosbrunn, AUT	100	115	39NE	Middle East
0830-1030	Daily	Dari	15490	Dhabbaya, UAE	250	045	40E	West Asia
1500-1530	Daily	Bengali	15510	Tashkent, Uzbekistan	100	131	41N	South Asia
1600-1630	Daily	Afar	11655	Dhabbaya, UAE	250	230	48NW	North-East Africa
1615-1630	Daily	Amharic	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1630-1700	Daily	Amharic	9540	Dhabbaya, UAE	250	225	48W	North-East Africa
1700-1730	Daily	Oromo	9630	Dhabbaya, UAE	250	225	48W	North-East Africa
1700-1800	Daily	Arabic	15260	Woofferton, UK	250	107	39SE	Middle East
1730-1800	Daily	Silt'e	7510	Yerevan, Armenia	300	192	48SW	North-East Africa
1730-1800	Daily	Tigrinya	9630	Dhabbaya, UAE	250	225	48W	North-East Africa
1730-1900	Daily	Arabic	15510	Woofferton, UK	250	128	47E,48W	North-East Africa

Radio Nord Revival

Radio Nord Revival was last on the air on 4 & 5 September 2021. Göran Lindemark, Radio Nord Revival Facebook Group wrote beforehand "Radio Nord Revival has now received a broadcast permit September 4-5. There will be broadcasts from Kastellet in Vaxholm on FM 91,9 MHz. And on a short wave from Julita in Sörmland. We have received three alternative frequencies in the 49 meter band: 6035, 6060 and 6130 kHz. (Göran Lindemark, Radio Nord Revival Facebook Group, 26 August 2021 - translated from Swedish via Alan Pennington, BDXC iog)

Switzerland

SRG SSR

The Swiss Broadcasting Corporation (SRG SSR; German: Schweizerische Radio und Fernsehgesellschaft, French: Société Suisse de Radiodiffusion et Télévision, Italian: Società Svizzera di Radiotelevisione, Romansh: Societad Svizra da Radio e Televisiun) is the Swiss public broadcasting association.

Transmitter site: SRG SSR has daily transmissions via ShortwaveService in Germany.

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Az.</i>	<i>CIRAF</i>	<i>Area</i>
0930-1000	Daily	German	6005	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe
1500-1600	Daily	German	3985	Kall, Krekel, Germany	1	ND	18,19,27,28,29,37N	Europe

Ukraine

Ukrainian Radio

Since 22 February 2022, due to the Russian invasion, Ukrainian Radio and all Public Broadcasting platforms have been running an information marathon to provide the latest news on the current situation. They conduct round-the-clock live broadcasting, providing listeners with the most up-to-date and accurate information about the country's defense. Military analysts, leading statesmen and leading experts in topical areas of wartime are guests and live in the marathon. The live broadcast can be interrupted during an air alarm, when the hosts are forced to be in hiding. Immediately after the alarm is removed, the live broadcast on Ukrainian Radio continues (UR website).

See below for shortwave broadcasts of Ukrainian Radio from other countries, but for reference these are the UR mediumwave channels that have been on the air at one time or another since the Russian invasion and their current status (these details can also be found in the [Europe on Mediumwave](#) guide):

<i>Time/UTC</i>	<i>Days</i>	<i>Language</i>	<i>kHz</i>	<i>Transmitter site</i>	<i>kW</i>	<i>Notes</i>
24 hours	Daily	Ukrainian	549	Luch (Mykolaiv Oblast)	400	off-air since 6 March 2022
			657	Chernivtsi (Chernivtsi Oblast)	25	active
			837	Taranivka (Kharkiv Oblast)	150	only on air one day - 25 Feb 2022
			873	Chasiv Yar (Donetsk Oblast)	25	active
			1278	Kurisove (Odessa Oblast)	100	active
			1404	Izmail (Odessa Oblast)	10	active

Broadcasts of Ukrainian Radio from other countries

Ukrainian Radio is also being broadcast from other countries at the present time. The UR website says "Earlier, due to numerous requests from Ukrainian and foreign radio stations, Ukrainian Radio NSTU allowed the retransmission of its signal on the networks of radio stations of any form of ownership".

Radio Ukraine International is the official international broadcasting station of Ukraine. As a section of the National Radio Company of Ukraine (NRCU) and working from studios located in the heart of the capital city Kyiv, Radio Ukraine International normally has programming and news broadcasts in five languages (English, German, Romanian, Russian and Ukrainian), although external broadcasting on mediumwave and shortwave from Ukraine had already been discontinued before the war and most broadcasts were available online with a relay on shortwave (i.e. via WRMI).

This is the current situation regarding relays and retransmissions of UR from overseas sites:

Time/UTC	Days	Languages	kHz	Transmitter site	kW	Az.	Target area
2100-0330	Daily	Ukrainian (English 0000-0005)	1386	Viešintos, Lithuania	75	ND	Eastern Europe
0500-0600	Sat-Thu	Ukrainian (English 0501-0506)	7730	Okeechobee, Florida	100	044	North America/Europe
0800-0900	Daily	Ukrainian (English 0817-0822)	6005	Kall, Krekel, Germany	1	ND	Europe
1200-1300	Daily	Ukrainian (English 1201-1206)	5010	Okeechobee, Florida	100	181	Caribbean

The Viešintos transmitter in Lithuania on 1386 kHz is owned and operated by Radio Baltic Waves International, the Kall transmitter on 6005 kHz is owned and operated by ShortwaveService, and the Okeechobee transmitter in Florida is owned and operated by Radio Miami International.

The short bulletins in English are "Ukraine: security issue" which provides actual news about the Russian-Ukrainian war. Every day, Ukrainian Radio prepares a digest of the most important news about the Russian-Ukrainian war in the format of short podcast in English, Polish, Romanian, Slovak, Russian, Belarusian, Bulgarian and Hungarian. UR says "We offer only reliable information from confirmed sources: reports on the course of the war, coverages from cities attacked by russia, as well as news about life in the home front regions of Ukraine. If you want to be aware of the situation in Ukraine, but do not have time to read the news all day - the "Ukraine: security issue" is for you."

The English edition of Ukraine: security issue is available at approximately 0000 UTC. Richard Langley commented on the WOR iog on 9 April 2022: "I believe that "Ukraine: security issue" is only broadcast once per day and is likely recorded and inserted into the audio feed around 0000 UTC (3 am local time). At least it's not mentioned at other times on the schedule. But it might be that certain hours of the schedule are repeated in whole or in part during the 24-hour schedule including the one at 0000 UTC. This is the middle of the night after all. (Richard Langley, WOR iog)



United Kingdom

BBC World Service

The BBC World Service (BBCWS) is the world's leading international radio broadcaster, providing impartial news reports and analysis in English and 27 other languages. BBCWS is a public corporation of the Foreign, Commonwealth & Development Office.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0000-0030	Daily	English	5890	Yerevan, Armenia	300	100	41,42SW	South Asia
			5945	A'Seela, Oman	250	063	41,42SW	South Asia
			9560	Kranji, Singapore	125	340	49NW	South-East Asia
			12025	Kranji, Singapore	250	340	49NW	South-East Asia
			15310	Tinang, Philippines	250	283	49NW	South-East Asia
0030-0100	Daily	Dari	6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7295	Moosbrunn, Austria	300	095	40E,41NW	West Asia
0030-0100	Daily	English	5890	Yerevan, Armenia	300	100	41,42SW	South Asia
			5945	A'Seela, Oman	250	063	41,42SW	South Asia
0100-0130	Daily	Pashto	6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7295	Moosbrunn, Austria	300	095	40E,41NW	West Asia
			7445	A'Seela, Oman	250	035	40E,41NW	West Asia
0100-0200	Daily	English	7325	A'Seela, Oman	250	063	41,42SW	South Asia
			15620	Kranji, Singapore	125	315	41,42SW	South Asia

0130-0200	Daily	Dari	6195	A'Seela, Oman	250	035	40E,41NW	West Asia
			7295	Moosbrunn, Austria	300	095	40E,41NW	West Asia
			7445	A'Seela, Oman	250	035	40E,41NW	West Asia
0200-0230	Daily	Pashto	7445	A'Seela, Oman	250	035	40E,41NW	West Asia
			9410	A'Seela, Oman	250	035	40E,41NW	West Asia
			12095	Yerevan, Armenia	300	100	40E,41NW	West Asia
0230-0300	Daily	Dari	7445	A'Seela, Oman	250	035	40E,41NW	West Asia
			9410	A'Seela, Oman	250	035	40E,41NW	West Asia
			12095	Yerevan, Armenia	300	100	40E,41NW	West Asia
0230-0330	Daily	Persian	6040	Dhabbaya, UAE	250	035	40	West Asia
			6195	Tashkent, Uzbekistan	100	236	40	West Asia
			7360	SMG, Vatican	250	086	40	West Asia
			9880	Kostinbrod, Bulgaria	250	100	40	West Asia
0300-0330	Daily	Pashto	11870	Dhabbaya, UAE	250	045	40E,41NW	West Asia
			13850	Dhabbaya, UAE	250	045	40E,41NW	West Asia
			15310	Yerevan, Armenia	300	100	40E,41NW	West Asia
0300-0400	Daily	Arabic	7235	Woofferton, UK	125	130	47E,48NW	North-East Africa
			9410	Dhabbaya, UAE	250	255	47E,48NW	North-East Africa
0300-0400	Daily	English	9740	A'Seela, Oman	250	320	30S,39NE,40	West Asia
			12095	A'Seela, Oman	250	010	30S,39NE,40	West Asia
0330-0430	Daily	Persian	11870	A'Seela, Oman	250	350	40	West Asia
			12015	Kostinbrod, Bulgaria	250	100	40	West Asia
			13825	Tashkent, Uzbekistan	300	219	40	West Asia
			11995	Talata V, Madagascar	250	000	48	North-East Africa
0400-0430	Daily	Somali	13790	Dhabbaya, UAE	250	225	48	North-East Africa
			9915	Talata V, Madagascar	250	315	48SW,53NW	East Africa
0400-0500	Daily	English	12095	A'Seela, Oman	250	320	30S,39NE,40	West Asia
			13580	A'Seela, Oman	250	010	30S,39NE,40	West Asia
			9880	Dhabbaya, UAE	250	045	40	West Asia
0430-0500	Daily	Persian	13825	Tashkent, Uzbekistan	100	236	40	West Asia
			15210	Kostinbrod, Bulgaria	250	100	40	West Asia
			3955	Woofferton, UK	100	114	27SE,28NW	Europe (DRM)
0459-0600	Daily	English	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0500-0600	Daily	Arabic	15335	Dhabbaya, UAE	250	260	47E,48NW	West Asia
0500-0600	Daily	English	6195	Ascension Island	125	027	46	West Africa
			9410	SMG, Vatican	250	206	46	West Africa
			13865	Talata V, Madagascar	250	265	52SW,53SW,57N	Southern Africa
			11810	Woofferton, UK	125	158	47SW,52	Central Africa
			17530	Dhabbaya, UAE	250	225	48SW,53NW	East Africa
0500-0600	Sat	Kirundi	15490	Dhabbaya, UAE	250	220	48SW,53NW	East Africa
			17815	Yerevan, Armenia	300	192	48SW,53NW	East Africa
0529-0600	Daily	Hausa	7410	Ascension Island	125	065	46SE	West Africa
			9440	Woofferton, UK	250	160	46SE	West Africa
			12095	Ascension Island	300	195	46SE	West Africa
0529-0600	Sun	Kirundi	15490	Dhabbaya, UAE	250	220	48SW,53NW	East Africa
			17815	Yerevan, Armenia	300	192	48SW,53NW	East Africa
0530-0600	Daily	Dari	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0600-0629	Daily	French	7410	Ascension Island	250	027	46	West Africa
			12095	Woofferton, UK	125	170	37	North Africa
			13810	Moosbrunn, Austria	300	235	37	North Africa
			15400	Pinheira, Sao Tome	100	088	47S,52N,52SE	Central Africa
0600-0630	Daily	Pashto	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0600-0700	Daily	Arabic	15335	A'Seela, Oman	250	260	47E,48NW	North-East Africa
0600-0700	Daily	English	7345	Ascension Island	125	027	46	West Africa
			9410	Ascension Island	125	065	46	West Africa
			13600	Pinheira, Sao Tome	100	138	52SE,53SW,57N	Central Africa
			15420	Talata V, Madagascar	125	265	48SW,53NW	Southern Africa
			15490	SMG, Vatican	250	175	47SW,52	Central Africa
			17530	Talata V, Madagascar	250	315	48SW,53NW	East Africa
			17830	Woofferton, UK	125	150	47SW,52	Central Africa
			7410	Ascension Island	250	065	46SE	West Africa
0629-0700	Daily	Hausa	9440	Ascension Island	250	065	46SE	West Africa
			13810	SMG, Vatican	250	188	46SE	West Africa

0630-0700	Daily	Dari	13850	A'Seela, Oman	250	063	40E,41NW	West Asia
			15310	A'Seela, Oman	250	035	40E,41NW	West Asia
0700-0729	Daily	French	11930	Ascension Island	250	027	46	West Africa
			15400	Pinheira, Sao Tome	100	088	47S,52N,52SE	Central Africa
0700-0730	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
0700-0800	Daily	English	11810	Ascension Island	125	085	47SW,52	Central Africa
			13580	Pinheira, Sao Tome	100	335	46	West Africa
			13600	Pinheira, Sao Tome	100	138	52SE,53SW,57N	Southern Africa
			15490	Ascension Island	125	027	46	West Africa
			17530	Talata V, Madagascar	250	315	48SW,53NW	East Africa
			17640	Talata V, Madagascar	125	265	52SE,53SW,57N	Southern Africa
			17830	SMG, Vatican	250	170	47SW,52	Central Africa
0730-0800	Daily	Dari	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
0759-0900	Daily	English	17720	Kranji, Singapore	100	315	41 - DRM	South Asia
0800-0830	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
0830-0900	Daily	Dari	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
0900-0930	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
0930-1000	Daily	Dari	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
1000-1030	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
1000-1100	Daily	English	6195	Kranji, Singapore	125	000	49W	South-East Asia
			6195	Kranji, Singapore	125	090	51W,54	South-East Asia
			9410	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia
			9410	Kranji, Singapore	125	135	51W,54	South-East Asia
			11695	Kranji, Singapore	250	090	51W,54	South-East Asia
			11945	Kranji, Singapore	125	340	49W	South-East Asia
1030-1100	Daily	Dari	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
1100-1130	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
			17810	A'Seela, Oman	250	063	40E,41NW	West Asia
1100-1130	Daily	Somali	15420	Dhabbaya, UAE	250	220	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
1100-1200	Daily	English	6195	Kranji, Singapore	125	000	49W	South-East Asia
			6195	Kranji, Singapore	125	090	51W,54	South-East Asia
			9410	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia
			9410	Kranji, Singapore	125	135	51W,54	South-East Asia
			11945	Kranji, Singapore	125	340	49W	South-East Asia
1130-1200	Daily	Dari	17810	A'Seela, Oman	250	035	40E,41NW	West Asia
1130-1330	Sat	Somali	15420	Dhabbaya, UAE	250	220	48	North-East Africa
			15420	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Talata V, Madagascar	250	000	48	North-East Africa
1100-1600	Sat	Hausa	17780	Ascension Island	250	065	46SE	West Africa
1200-1230	Daily	French	15260	SMG, Vatican	250	229	37	North Africa
			17640	Ascension Island	250	027	46	West Africa
			21630	Ascension Island	250	065	47S,52N,52SE	Central Africa
1200-1300	Daily	English	12065	A'Seela, Oman	250	063	41,42SW	South Asia
			15400	A'Seela, Oman	250	080	41,42SW	South Asia
			15640	Kranji, Singapore	125	013	43E,44	East Asia
1200-1300	Sat/Sun	English	15740	Woofferton, UK	250	086	28NW,29S	Eastern Europe
1200-1300	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1300-1400	Daily	English	11685	Kranji, Singapore	250	320	41,42SW	South Asia
			11805	A'Seela, Oman	250	063	41,42SW	South Asia
1300-1400	Mon-Fri	English	15740	Woofferton, UK	250	086	28NW,29S	Eastern Europe
1300-1400	Daily	Pashto	15310	A'Seela, Oman	250	035	40E,41NW	West Asia
1330-1400	Daily	Bengali	9410	Trincomalee, Sri Lanka	125	015	41NE	South Asia
			9510	Kranji, Singapore	250	320	41NE	South Asia
			11750	A'Seela, Oman	125	080	41NE	South Asia

1330-1400	Daily	Burmese	7465	Kranji, Singapore	250	340	49NW	South-East Asia
			9585	Kranji, Singapore	125	340	49NW	South-East Asia
			15325	Tinang, Philippines	250	283	49NW	South-East Asia
1330-1430	Daily	Burmese	11620	Kranji, Singapore	100	340	49NW	South-East Asia (DRM)
1330-1400	Sat	Somali	13660	Talata V, Madagascar	250	000	48	North-East Africa
			15420	Dhabbaya, UAE	250	220	48	North-East Africa
			15420	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
1400-1430	Mon-Fri	Hausa	11640	Pinheira, Sao Tome	100	020	46SE	West Africa
			17780	Ascension Island	250	065	46SE	West Africa
			21630	Ascension Island	125	055	46SE	West Africa
1400-1500	Daily	Dari	5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11725	A'Seela, Oman	250	035	40E,41NW	West Asia
			11995	Kranji, Singapore	250	315	40E,41NW	West Asia
1400-1500	Mon-Fri	English	15740	Woofferton, UK	300	086	28NW,29S	Eastern Europe
1400-1500	Daily	Somali	12095	Talata V, Madagascar	250	000	48	North-East Africa
			15420	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
1500-1600	Daily	English	9410	A'Seela, Oman	250	225	48SW,53NW	North-East Africa
			12025	Kranji, Singapore	250	315	30S,39NE,40	West Asia
1500-1600	Daily	Pashto	5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11995	Kranji, Singapore	250	315	40E,41NW	West Asia
1500-1600	Daily	Persian	5875	Tashkent, Uzbekistan	100	236	40	West Asia
			6195	A'Seela, Oman	250	335	40	West Asia
1500-1600	Sat	Somali	15420	Dhabbaya, UAE	250	225	48	North-East Africa
			17745	Dhabbaya, UAE	250	225	48	North-East Africa
1530-1830	Daily	Korean	9390	Dushanbe, Tajikistan	250	072	44NE	East Asia
			12095	Kranji, Singapore	250	025	44NE	East Asia
			15435	Tinang, Philippines	250	021	44NE	East Asia
1600-1630	Daily	Dari	5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11995	Kranji, Singapore	250	315	40E,41NW	West Asia
1600-1700	Daily	English	7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa
			12025	Kranji, Singapore	250	315	30S,39NE,40	West Asia
			17640	Ascension Island	125	115	52SE,53SW,57N	Central Africa
			17830	Ascension Island	125	085	47SW,52	Central Africa
			21630	Ascension Island	125	114	52SE,53SW,57N	Central Africa
1600-1700	Daily	Persian	5875	Tashkent, Uzbekistan	100	236	40	West Asia
			6195	A'Seela, Oman	250	335	40	West Asia
1600-1800	Sat	Somali	7225	Dhabbaya, UAE	250	215	48	North-East Africa
			13860	SMG, Vatican	250	130	48	North-East Africa
1600-1900	Sat	Hausa	15685	Ascension Island	250	055	46SE	West Africa
			17700	Ascension Island	250	055	46SE	West Africa
1630-1700	Daily	Bengali	7370	A'Seela, Oman	250	080	41NE	South Asia
			9445	Kranji, Singapore	250	320	41NE	South Asia
1630-1700	Mon-Fri	Kirundi	13860	Dhabbaya, UAE	250	225	48SW,53NW	East Africa
			17745	Talata V, Madagascar	250	315	48SW,53NW	East Africa
1630-1700	Mon-Fri	Pashto	5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11995	Kranji, Singapore	250	315	40E,41NW	West Asia
1630-1700	Sat/Sun	Dari	5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11995	Kranji, Singapore	250	315	40E,41NW	West Asia
1700-1800	Daily	Arabic	9585	Dhabbaya, UAE	250	255	47E,48NW	North-East Africa
1700-1800	Daily	Dari	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia
			5970	A'Seela, Oman	250	035	40E,41NW	West Asia
			11735	Kranji, Singapore	250	315	40E,41NW	West Asia
1700-1800	Daily	English	6195	A'Seela, Oman	250	320	30S,39NE,40	West Asia
			7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa
			7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa
			12025	Kranji, Singapore	250	315	30S,39NE,40	West Asia
			15400	Woofferton, UK	250	165	46	West Africa
			17780	Ascension Island	125	027	46	West Africa
			17830	Ascension Island	125	065	47SW,52	Central Africa
1730-1750	Mon-Fri	Amharic	9540	A'Seela, Oman	125	240	48	North-East Africa
			11965	Dhabbaya, UAE	250	230	48	North-East Africa
			15685	SMG, Vatican City	250	130	48	North-East Africa
1730-1830	Daily	Persian	6100	Kostinbrod, Bulgaria	250	100	40	West Asia

1750-1810	Mon-Fri	Oromo	9540	A'Seela, Oman	125	240	48	North-East Africa			
			11965	Dhabbaya, UAE	250	230	48	North-East Africa			
			15685	SMG, Vatican City	250	130	48	North-East Africa			
1800-1830	Daily	French	9750	SMG, Vatican City	250	146	53S	SEast Africa			
			13720	Kostinbrod, Bulgaria	250	180	47S,52N,52SE	Central Africa			
			13790	SMG, Vatican City	250	210	46	West Africa			
			15235	Woofferton, UK	250	170	37	North Africa			
			15490	Ascension Island	250	027	46	West Africa			
1800-1900	Daily	Arabic	9585	Dhabbaya, UAE	250	255	47NE,48NW	North-East Africa			
1800-1900	Daily	Pashto	5875	Yerevan, Armenia	300	100	40E,41NW	West Asia			
			5970	A'Seela, Oman	250	035	40E,41NW	West Asia			
			11735	Kranji, Singapore	250	315	40E,41NW	West Asia			
1800-1900	Daily	English	6195	A'Seela, Oman	250	320	30S,39NE,40	West Asia			
			7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa			
			7445	Talata V, Madagascar	250	320	48SW,53NW	East Africa			
			9410	Dhabbaya, UAE	250	225	48SW,53NW	East Africa			
			11810	Ascension Island	125	065	48SW,53NW	East Africa			
			12025	Kranji, Singapore	250	315	30S,39NE,40	West Asia			
			13580	Woofferton, UK	125	165	46	West Africa			
			15400	Ascension Island	125	027	46	West Africa			
			1800-1900	Sat	Somali	7225	A'Seela, Oman	250	225	48	North-East Africa
						13860	SMG, Vatican	250	130	48	North-East Africa
1810-1830	Mon-Fri	Tigrinya				9600	A'Seela, Oman	125	240	48	North-East Africa
			11965	Dhabbaya, UAE	250	230	48	North-East Africa			
			15685	SMG, Vatican City	250	130	48	North-East Africa			
1830-1850	Mon-Fri	Amharic	9685	A'Seela, Oman	125	240	48	North-East Africa			
			11965	SMG, Vatican City	250	130	48	North-East Africa			
1830-1930	Daily	Persian	6100	Kostinbrod, Bulgaria	250	100	40	West Asia			
1850-1910	Mon-Fri	Oromo	9685	A'Seela, Oman	125	240	48	North-East Africa			
			11965	SMG, Vatican City	250	130	48	North-East Africa			
			1900-2000	Daily	Arabic	5925	Dhabbaya, UAE	250	240	47E,48NW	North-East Africa
1900-2000	Daily	English				6155	Pinheira, Sao Tome	100	138	52SE,53SW,57N	Southern Africa
						6195	Dhabbaya, UAE	250	215	48SW,53NW	East Africa
						7265	Talata V, Madagascar	125	265	52SE,53SW,57N	Central Africa
7445	Talata V, Madagascar	250				320	48SW,53NW	East Africa			
11680	Woofferton, UK	250				090	28NW,29S	Eastern Europe			
11810	Ascension Island	125				065	47SW,52	Central Africa			
12095	Ascension Island	125				027	46	West Africa			
1910-1930	Mon-Fri	Tigrinya				9685	A'Seela, Oman	125	240	48	North-East Africa
						11965	SMG, Vatican City	250	130	48	North-East Africa
			1930-2000	Sun-Thu	Hausa	9410	Ascension Island	125	055	46SE	West Africa
11610	Woofferton, UK	125				160	46SE	West Africa			
11660	Ascension Island	250				065	46SE	West Africa			
1930-2030	Sat	Hausa	9410	Ascension Island	125	055	46SE	West Africa			
			11610	Woofferton, UK	300	160	46SE	West Africa			
			11660	Ascension Island	125	065	46SE	West Africa			
2000-2100	Daily	Arabic	5925	A'Seela, Oman	125	260	47E,48NW	North-East Africa			
			2000-2100	Daily	English	11680	Woofferton, UK	250	090	28NW,29S	Eastern Europe
						11810	Ascension Island	125	065	47SW,52	Central Africa
12095	Ascension Island	125				027	46	West Africa			
2100-2200	Mon-Fri	English	11810	Ascension Island	125	065	47SW,52	Central Africa			
			12095	Ascension Island	125	027	46	West Africa			
2200-2300	Daily	English	3915	Kranji, Singapore	250	160	51W,54	South-East Asia			
			5955	A'Seela, Oman	250	085	49W	South-East Asia			
			6195	Kranji, Singapore	250	000	49W	South-East Asia			
			7445	Tinang, Philippines	250	200	51W,54	South-East Asia			
			7465	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia			
			9580	A'Seela, Oman	250	060	43E,44	East Asia			
2300-0000	Daily	English	3915	Kranji, Singapore	250	000	51W,54	South-East Asia			
			6195	Kranji, Singapore	250	000	49W	South-East Asia			
			7465	Kranji, Singapore	125	013	43SE,44SW,49E	South-East Asia			
			11825	Tinang	250	200	51W,54	South-East Asia			

BBC WS News programmes on Shortwave - compiled by Alan Roe

BBC WS output continues with many news programmes each day. Usually, there is a six-minute news bulletin on the hour regardless of target area. Additionally, the following programmes all provide extended news coverage: Newshour, Newsday, Newsroom, BBC OS and Weekend programmes, along with the Focus on Africa programmes. These are all broadcast at various times on shortwave, and with the BBC's complex schedule I have found it quite difficult to keep track of when and where to hear to them. So I have navigated through all of the BBC WS schedules and have compiled this time-ordered summary of when and where to hear the main news programmes each day, which I hope that you will find to be a useful reference.

UTC	days	Programme	Frequencies (target area)
0306-0330	mo-fr	Newsroom	9740-sla 12095-sla (ME)
0406-0430	sa-su	Newsroom	9915-mdc 12095-sla 13580-sla (e+sAF, ME)
0406-0500	mo-fr	Newsday	9915-mdc 12095-sla 11945-sng (e+sAF, ME)
0506-0600	mo-fr	Newsday	3955-wof(drm) 6195-asc 9410-smg 9915-mdc 11810-wof 17530-dha (e+sAF, w+cAF, eEU)
0506-0600	sa-su	Weekend	3955-wof(drm) 6195-asc 9410-smg 9915-mdc 11810-wof 17530-dha (e+sAF, w+cAF, eEU)
0606-0700	mo-fr	Newsday	7345-asc 9410-wof 13600-sao 15420-mdc 15490-smg 17530-mdc 17830-wof (e+sAF, w+cAF)
0606-0700	sa-su	Weekend	7345-asc 9410-wof 13600-sao 15420-mdc 15490-smg 17530-mdc 17830-wof (e+sAF, w+cAF)
0706-0800	sa-su	Weekend	11810-asc 13580-sao 13600-sao 15490-wof 17530-mdc 17640-mdc 17830-smg (e+sAF, w+cAF)
0806-0830	sa-su	Newsroom	17720-sng(drm) (sAS)
1006-1032	daily	Newsroom	6195-sng 9410-sng 11695-sng 11945-sng (e+sAS)
1206-1230	mo-fr	Newsroom	12065-sla 15400-sla 15640-sng(e+sAS)
1206-1300	sa-su	Newshour	12065-sla 15400-sla 15640-sng 15740-wof (e+sAS, eEU)
1306-1400	mo-fr	Newshour	11685-sng 11805-sla 15740-wof (sAS, eEU)
1506-1530	mo-fr	Focus on Africa	9410-sla (e+sAF)
1506-1530	mo-fr	BBC OS	12025-sng (ME)
1532-1600	mo-fr	BBC OS	9410-sla 12025-sng (e+sAF, ME)
1606-1700	mo-fr	BBC OS	7445-mdc 12025-sng 17640-asc 17830-asc 21630-asc (e+sAF, w+cAF, ME)
1706-1730	sa	Newsroom	6195-sla 12025-sng 15400-wof 17780-asc 17830-asc (w+cAF, ME)
1706-1800	mo-fr	Focus on Africa	7265-mdc 7445-mdc 15400-wof 17780-asc 17830-asc (e+sAF, w+cAF)
1806-1830	mo-fr	Newsroom	7265-mdc 7445-mdc 9410-dha 11810-wof 13580-wof 15400-asc (e+sAF, w+cAF)
1806-1830	su	Newsroom	6195-sla 12025-sng (ME)
1906-1930	mo-fr	Focus on Africa	6155-sao 6195-dha 7265-mdc 7445-mdc 11810-wof 12095-asc (e+sAF, w+cAF)
1906-2000	mo-fr	Newshour	11680-wof (eEU)
2006-2100	daily	Newshour	11680-wof-(sa,su only) 11810-wof 12095-asc (w+cAF, eEU)
2206-2220	sa-su	Newsroom	3915-sng 5955-sla 6195-sng 7445-pht 7465-sng 9580-sla (e+sAS)

(Alan Roe, Teddington, UK, via BDXC-UK iog and WOR iog, reproduced here with kind permission of Alan)

Shortwave relays from Woofferton

The Woofferton Transmitting Station is located about three miles south-south west of Ludlow in Shropshire, near to the Shropshire-Herefordshire border. It is owned and operated by Encompass Digital Media Services Ltd. It has 6 x 250 kW & 4 x 300 kW shortwave transmitters (operating at 100 (for DRM), 125, 250 & 300 kW according to HFCC registrations).

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0300-0400	Daily	BBC	Arabic	7235	125	130	47E,48NW	North-East Africa
0400-0500	Daily	Voice of America	English	7375	250	165	47,48,52,53	Africa
0459-0600	Daily	BBC	English	3955	100	114	27SE,28NW	Europe
0500-0600	Daily	Encompass reg.		7445	250	182	46N,47NW	
0500-0600	Daily	BBC	English	11810	125	158	47SW,52	Central Africa
0529-0600	Daily	BBC	Hausa	9440	250	160	46SE	West Africa
0600-0629	Daily	BBC	French	12095	125	170	37	North Africa
0600-0630	Mon-Fri	Voice of America	French	9885	250	152	46-48,52,53	Africa
0600-0700	Daily	Encompass reg.		9465	250	182	46N,47NW	
0600-0700	Daily	Radio Ndarason Int	Kanuri	12050	250	160	46SE	North Central Africa
0600-0700	Daily	BBC	English	17830	125	150	47SW,52	Central Africa
0600-2000	Daily	Encompass reg.	English	15740	300	086	28NW,29S	Eastern Europe
0700-0800	Daily	KBS World Radio	Korean	11620	250	107	28	Europe
1200-1300	Sat/Sun	BBC	English	15740	250	086	28NW,29S	Eastern Europe
1300-1500	Mon-Fri	BBC	English	15740	250	086	28NW,29S	Eastern Europe
1300-1800	Daily	Radio Farda	Persian	12005	250	090	40	West Asia
1400-1500	Daily	RFE/RL	Uzbek	15310	260	080	30S	Central Asia

1530-1600	Mon-Fri	Voice of America	Hausa	17700	250	165	46,47W	West Africa
1630-1700	Fri	Voice of America	Portuguese	17655	250	165	46,47,52,53	Africa
1700-1730	Mon-Fri	Voice of America	Amharic	11610	250	126	48	North-East Africa
1700-1800	Daily	Voice of America	English	15165	250	170	37,46,47,52,57	Africa
1700-1800	Daily	IBRA Media	Arabic	15260	250	107	39SE	Middle East
1700-1800	Daily	BBC	English	15400	250	165	46	West Africa
1730-1800	Mon-Fri	Voice of America	Oromo	11610	250	126	48	North-East Africa
1730-1900	Daily	IBRA Media	Arabic	15510	250	128	47E,48W	North-East Africa
1800-1830	Daily	Encompass reg.	Russian	15280	300	070	29N,29SE	Eastern Europe
1800-1830	Daily	BBC	French	15325	300	170	37	North Africa
1800-1900	Daily	KBS World Radio	Russian	11785	250	066	29N,29SE	Eastern Europe
1800-1900	Daily	Voice of America	Amharic	11610	250	126	48	North-East Africa
				15660	250	120	48	North-East Africa
1800-1900	Daily	BBC	English	13580	125	165	46	West Africa
1830-1900	Sun	Encompass reg.	Arabic	11660	300	105	38NE,39N	Middle East
1900-1930	Daily	Voice of America	Tigrinya	11610	250	126	48	North-East Africa
1900-2000	Daily	KBS World Radio	French	6145	250	114	27SE	Europe
1900-2000	Sat/Sun	Encompass reg.	English	11680	250	090	28NW,29S	Eastern Europe
1900-2100	Mon-Fri	BBC	English	11680	250	090	28NW,29S	Eastern Europe
1900-2100	Daily	Radio Ndarason Int	Kanuri	12050	250	152	46SE	North Central Africa
1930-2000	Sat-Thu	BBC	Hausa	11610	125	160	46SE	West Africa
1930-2030	Fri	BBC	Hausa	11610	125	160	46SE	West Africa
2000-2030	Sun	Encompass reg.	Arabic	9410	300	170	37S	North Africa
2000-2100	Daily	KBS World Radio	German	3955	250	114	28NW	Europe
2000-2100	Daily	KBS World Radio	Arabic	6090	250	172	37S	North Africa
2000-2100	Daily	BBC	English	11680	250	090	28NW,29S	Eastern Europe
2000-2200	Daily	Encompass reg.	English	9915	300	090	28NW,29S	Eastern Europe
2100-2130	Daily	Voice of America	French	9410	250	158	37,46-47,52,53	Africa
2100-2115	Daily	R Akhbar Mufriha	Arabic	7300	250	170	37S	North Africa
2115-2145	Daily	R Akhbar Mufriha	Arabic	7300	250	170	37S	North Africa

Additional tests and one-off transmissions may be broadcast from Woofferton at short notice. One such example was on the afternoon of 5 July 2021 when several people reported hearing a test on 15510 kHz and mentioning an email address of transmissiontest@gmail.com. François (surname not known) posted a comment to the British DX Club iog to say that he had sent a report to this address and received a reply from Dave Porter: "Thank you for your report and I confirm the details are correct. These transmissions were to fault-find on a 250/300 kW sender at the UK HF transmitter station at Woofferton in England. These duration of these tests can be variable as the engineers can sometimes need a long time to establish a fault or they may interrupt the test, make an adjustment and resume. This is particularly so if the fault is of an intermittent nature. Encompass Digital Media, Woofferton is the only remaining UK HF sender broadcast station and also is the only one with this transmission test audio and email address. The audio is contained in a file play-out system and incorporates non-copyright music and voice announcements from one of the engineers, Martin, 2E1EKX at the transmitter site".

Volant Media UK Ltd

Volant Media UK Ltd create groundbreaking news content and documentaries aimed at audiences around the world not serviced by mainstream media. Founded in 2017, it is a global organisation with offices in London, Paris and Washington and has a rapidly growing team of journalists and content producers. Broadcasting from state of the art studios in West London, they cover a range of topical and factual stories, with a focus on reaching audiences in and from frontier markets. The two services of Volant Media UK Ltd of interest to shortwave listeners are Iran International and Afghanistan International TV:

Radio Iran International

Iran International is a Persian television station headquartered in London. It is aimed at Iranian viewers and broadcasts free-to-air by satellite. The channel has received media attention for its reporting on human rights violations, political developments, LGBTQ+ rights and women's rights in Iran and has twice been nominated for International Channel of the Year by the Association for International Broadcasting. Iran International was first heard on shortwave on 19 November 2019 with an audio feed from its London-based satellite TV service, seemingly in response to an Internet blackout in Iran caused by civil unrest in several towns and cities.

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0400-1600	Daily	Persian	15630	Tashkent, Uzbekistan	100	236	40	West Asia
1600-0400	Daily	Persian	5830	Tashkent, Uzbekistan	100	236	40	West Asia



Radio Afghanistan International

On 15 August 2021, the day the Taliban captured Afghanistan's capital Kabul, Volant Media UK Ltd, the parent company of Iran International, launched Afghanistan International TV (AITV). AITV aspires to serve as an international news network to provide reliable information for audiences and protect media freedom in the country. AITV, which has started with daily nine hours of live television news and programmes, plans to expand to a full 24/7 schedule as soon as possible. AITV also had a radio stream which is already offering 24-hour news and programmes (a shortwave broadcast from AITV were first reported on 16 August 2021).

Time/UTC	Days	Language	kHz	Transmitter site	kW	Az.	CIRAF	Area
0100-1500	Daily	Pashto	7600	Tashkent, Uzbekistan	100	236	40E,41NW	West Asia
1500-0100	Daily	Pashto	7600	Yerevan-Gavar, Armenia	100	100	40E,41NW	West Asia

Other notable programmes on shortwave

Encore - Classical Music on Radio Tumbri

Encore is a weekly classical music programme produced by Brice Avory.

Regular Broadcast times of Encore are:

1000-1100 UTC Saturday 6070 kHz Channel 292 to Europe - Simulcast on 9670 kHz

Repeated:

0100-0200 UTC Sunday 7730 & 5850 kHz WRMI to Europe US and Canada (Note change from 7780 to 7730)

1600-1700 UTC Sunday 9670 kHz Channel 292 to Europe

2100-2200 UTC Sunday 3955 kHz Channel 292 to Europe

0200-0300 UTC Monday 5950 kHz WRMI to the US and Canada

1300-1400 UTC Tuesday 15770 kHz WRMI to Europe, east coast of US and Iceland. RTTY continues to be heard on 15770 in some areas. Suggest listening using USB or notch filter in LSB if available.

1900-2000 UTC Friday 6070 kHz Channel 292 to Europe (note time change.)

The programme from Radio Tumbri first broadcast on Saturday 16 April 2022 by Channel 292 starts with some of the suite for the ballet Swan Lake by Tchaikovsky, part of one of Bach's Brandenburg Concertos, and then two interpretations of other people's work by contemporary US composer Caroline Shaw. After that there is a cello sonata from Claude Debussy and the Octet in E Flat Major by Beethoven.

Radio Emma Toc World Service

The 'Radio Emma Toc World Service' is a half hour programme produced by Jim Salmon available on various broadcast stations & online. The aim is to provide a monthly entertainment & information programme - celebrating all things radio! Why 'Emma Toc' ...? Wireless station 2MT at Writtle, near Chelmsford, was required to read out their allocated callsign '2MT' at regular intervals, & in 1922 the British Army phonetic alphabet of the time was used. 'M' was 'Emma' & 'T' was 'Toc', so '2MT' became 'Two Emma Toc'. The amusing & flippant manner in which Captain Peter Eckersley read out the phonetic version of '2MT' resulted in the station being affectionately known as 'Two Emma Toc'! Check the station's website at www.emmatoc.org for details of the station's history and forthcoming broadcasts.

BBC World Service Antarctic Midwinter Broadcast 2023

Every year, the BBC World Service makes a special programme for just a small number of listeners: the team of scientists and support staff isolated at British research stations in the Antarctic midwinter. The Antarctic Midwinter Broadcast is unlike anything else on the BBC World Service. Presented by Cerys Matthews, it features messages from family and friends at home as well as music requests from Antarctica. For decades it has been part of the traditional midwinter celebrations. The next broadcast is 2130-2200 on 21 June 2022. Frequencies for 2021 were: 6035 6170 7205 9505 kHz

Vatican City State

Vatican Radio

Vatican Radio is the official broadcasting service of Vatican City. Shortwave transmissions from Vatican Radio have been reduced in recent years in favour of digital distribution but there are still a number of broadcasts mainly to Africa and Asia.

Transmitter sites: Vatican Radio's transmitting station is located at Santa Maria di Galeria, an extraterritorial area near Cesano (to the north of Rome) belonging to the Holy See. It consists of 4 x 100 kW and 5 x 500 kW shortwave transmitters (currently operating at 125 & 250 kW according to HFCC registrations). Additional relays are via Germany Madagascar, Philippines, Northern Mariana Islands and the USA

Time/UTC	Days	Language	kHz	Tx site	kW	Az.	CIRAF	Area
0100-0130	Daily	Portuguese	7305	Greenville	250	164	12NE,12S,13W,15NW	S America
0130-0200	Daily	Spanish	7305	Greenville	250	164	11NW,11S	C America
0440-0500	Daily	Ukrainian	7260	Vatican	250	054	19,28NE,29	E Urope
			9705	Vatican	250	050	19,28NE,29	E Europe
0500-0520	Daily	Russian	7260	Vatican	250	055	19,28NE,29	E Europe
			9705	Vatican	250	055	19,28NE,29	E Europe
0500-0600	Daily	Italian (Mass)	11620	Vatican	100	113	38E,39N	M East

0600-0610	Mon-Sat	Italian	11620	Vatican	250	118	38E,39N,39SW	M East
0605-0700	Sun	Ukrainian (Lit)	9645	Vatican	250	054	28NE,29W	E Europe
			11815	Vatican	250	062	29S	E Europe
0610-0630	Mon-Sat	Arabic	11620	Vatican	250	118	38E,39N,39SW	M East
0630-0645	Mon-Sat	French	11620	Vatican	250	118	38E,39N,39SW	M East
0710-0820	Sun	Romanian (Lit)	7250	Vatican	250	055	28N,28SE	E Europe
			9645	Vatican	250	060	28E	E Europe
0830-0950	Sun I	Amharic	15595	Vatican	250	113	38SE,39NE,39S,40S	NE Africa
			17790	Madagascar	250	345	38SE,47E,48N,48SW	NE Africa
0830-0950	Sun II/IV	Russian	15595	Vatican	250	041	19,29,30NW	Russia
			17790	Vatican	250	072	29S,30W	Russia
0830-0950	Sun III	Armenian	15595	Vatican	250	074	29SE	Caucasus
			17790	Vatican	250	090	29SE,39N,40NW	Caucasus
0830-0950	Sun V	Arabic	15595	Vatican	250	094	29SE,39N,40W	M East
			17790	Vatican	250	110	38E,39	M East
1230-1245	Daily	Spanish	7305	Greenville	250	168	11NW,11S	Caribbean
1130-1200	Fri	English (Lit)	15595	Vatican	250	106	38E,39N	M East
			17790	Vatican	250	098	39E,40NW,40S	W Asia
1230-1250	Daily	Russian	9810	Tinian	250	349	32,33W	Russia
			11815	Philippines	250	332	31,32W,42N	Russia
1230-1315	Sat	Chinese	6085	Philippines	250	330	43,44NW,44S,49N,50NW	E Asia
			7485	Philippines	250	332	32SE,33NE,33S,43NE,44N	E Asia
			9720	Philippines	250	315	31S,32S,41NW,42,43,49N	E Asia
1400-1420	Daily	German	3985	Germany	1	ND	18,19,27,28,29,37N	Europe
1430-1450	Daily	Hindi	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1450-1510	Daily	Tamil	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1510-1530	Daily	Malayalam	7320	Philippines	250	270	41N,41SE,42S,43SW	S Asia
			9595	Philippines	250	283	41NW,41S	S Asia
1530-1600	Daily	Amharic	13830	Vatican	250	098	38SE,39NE,39S,40S	NE Africa
			15565	Vatican	250	140	38SE,47E,48N,48SW	NE Africa
1530-1600	Daily	Arabic	11620	Vatican	250	130	38E,39N,39SW	M East
			15595	Vatican	250	107	39E,40SW	M East
1600-1615	Daily	French	11620	Vatican	250	130	38E,39N,39SW	N Africa
1600-1615	Sat	Swahili	7360	Madagascar	250	320	48SW,53NW	E Africa
			15565	Vatican	250	140	47SE,48SW,52NE	E Africa
1600-1620	Daily	Armenian	9705	Vatican	250	075	29SE,39NE	Caucasus
			11815	Vatican	250	043	29N,29SE	Caucasus
1600-1630	Sun-Fri	Swahili	7360	Madagascar	250	320	48SW,53NW	E Africa
			15565	Vatican	250	150	47SE,48SW,52NE, 53NW	E Africa
1615-1630	Sat	Somali	7360	Madagascar	250	320	48SW,53NW	E Africa
			15565	Vatican	250	150	47SE,48SW,52NE, 53NW	E Africa
1615-1630	Daily	English	11620	Vatican	250	130	38E,39W	M East
1620-1640	Daily	Russian	9705	Vatican	250	055	19,29	Russia
			11815	Vatican	250	058	29E,30,31W,40NE,42NW	Russia
1630-1700	Daily	English	7360	Madagascar	250	258	52S,53W,57N	S Africa
			15565	Vatican	250	150	47SE,48SW,53NW	C Africa
1640-1700	Daily	Ukrainian	9705	Vatican	250	054	28NE,29W	E Europe
			11815	Vatican	250	058	29S	E Europe
1700-1720	Daily	Belarusian	9705	Vatican	100	026	28NE,29W	E Europe
1700-1730	Daily	French	13830	Vatican	250	160	47S,52E,53NW	C Africa
			15565	Vatican	250	175	47SW,52NW	C Africa
1730-1800	Daily	Tigrinya	13830	Vatican	250	113	38SE,39NE,39S,40S	NE Africa
			15565	Vatican	250	139	38SE,47E,48N,48SW	NEAfrica
1800-1830	Daily	Portuguese	13830	Vatican	250	165	52NW,52S,53W,57N	S Africa
1940-2000	Daily	Latin (Lit)	9705	Vatican	250	175	46SE,47W	C Africa
			11620	Vatican	250	110	38E,39N,39SW	M East
			13830	Vatican	250	214	46	W Africa
2000-2030	Daily	English	7360	Vatican	250	182	46E,47W	W Africa
			9705	Vatican	250	210	46	W Africa
2030-2100	Daily	French	7360	Vatican	250	182	46E,47W	W Africa
			9705	Vatican	250	210	46	W Africa
2100-2130	Daily	Portuguese	7360	Vatican	250	234	46W	W Africa

2200-2230	Daily	Chinese	6115	Philippines	250	332	43,44NW,44S,49N,50NW	E Asia
			7410	Vatican	250	068	31S,32S,41NW,42,43,49N	E Asia
			9735	Philippines	250	349	32SE,33NE,33S,43NE,44	E Asia
2315-0800	Daily	Vietnamese	9580	Philippines	250	270	43SE,44SW,49E	SE Asia
			11900	Philippines	250	270	43SE,44SW,49E	SE Asia

Shortwave relays from Santa Maria di Galeria

The Vatican Radio shortwave transmitters at Santa Maria di Galeria are also used by several other international broadcasting stations. These are the transmissions that are additional to those from Vatican Radio stated above.

Time/UTC	Days	Station	Language	kHz	kW	Az.	CIRAF	Area
0230-0330	Daily	BBC	Persian	7360	250	086	40	W Asia
0330-0400	Daily	Voice of America	Somali	7260	250	146	48	NE Africa
0330-0430	Daily	Radio Tamazuj	Arabic etc	7315	250	151	47E,48W	NE Africa
0430-0500	Daily	Radio Dabanga	Arabic etc	7315	250	151	47E,48W	NE Africa
0500-0530	Daily	Voice of America	Hausa	9715	250	184	46,47W	W Africa
0500-0600	Daily	BBC	English	9410	250	206	46	W Africa
0530-0600	Mon-Fri	Voice of America	French	9885	250	184	46-47,52,53	Africa
0600-0700	Daily	BBC	English	15490	250	175	47SW,52	C Africa
0629-0700	Daily	BBC	Hausa	13810	250	188	46SE	W Africa
0700-0730	Daily	Voice of America	Hausa	12070	250	184	46,47W	W Africa
0700-0800	Daily	BBC	English	17830	250	170	47SW,52	C Africa
1030-1100	Daily	Voice of America	Somali	15730	250	139	48	NE Africa
				17775	250	130	48	NE Africa
1100-1130	Sat	Voice of America	French	17540	250	184	46-48,52,53	Africa
1200-1230	Daily	BBC	French	15260	250	229	37	N Africa
1300-1400	Daily	Voice of America	Somali	15630	250	139	48	NE Africa
1500-1530	Daily	Voice of America	Hausa	17700	250	184	46,47W	W Africa
1500-1600	Daily	Radio Tamazuj	Arabic etc	15550	250	151	39SW,47E,48W	NE Africa
1600-1900	Sat	BBC	Somali	13860	250	130	48	NE Africa
1700-1800	Daily	Voice of America	Portuguese	17655	250	165	46,47,52,53	Africa
1700-1800	Sun	FPU registration	Kirundi	15550	250	155	53NW	E Africa
1730-1750	Mon-Fri	BBC	Amharic	15685	250	130	48	NE Africa
1750-1810	Mon-Fri	BBC	Oromo	15685	250	130	48	NE Africa
1800-1830	Daily	Voice of America	English	17530	250	084	46-37,52,53,57	Africa
1800-1830	Daily	BBC	French	9750	250	146	53S	SE Africa
				13790	250	210	46	W Africa
1810-1830	Mon-Fri	BBC	Tigrinya	15685	250	130	48	NE Africa
1830-1850	Mon-Fri	BBC	Amharic	11965	250	130	48	NE Africa
1850-1910	Mon-Fri	BBC	Oromo	11965	250	130	48	NE Africa
1910-1930	Mon-Fri	BBC	Tigrinya	11965	250	130	48	NE Africa
2130-2200	Mon-Fri	Voice of America	Bambara	11900	250	205	46	W Africa

Europe on Shortwave

Edited by Tony Rogers

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Contact email addresses: dxguides@gmail.com