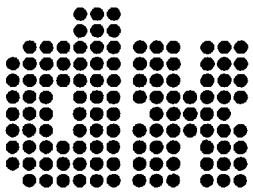


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BBC ORTF
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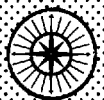
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magazine



WORLD WIDE DX CLUB



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WORLD RADIO TV HANDBOOK 2003

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DX MAGAZINE No. 6

Vol. XXXVIII

June 2003

Hello again,

Welcome to another issue of our DX MAGAZINE. Since we have no news from inside the club this month, let's just start with our usual news from outside the club:

(Cf. DXM 3, page 3) Here are some further details on the **37th Conference of the European DX Council 2003**, which will take place from Friday 15th August to Sunday 17th August 2003 at 'KTC - Communication and Training Center of Dresdner Bank' in Königstein, Germany:

- The famous German company Rohde & Schwarz has taken the patronage of the meeting and shows DRM reception with their own receivers.
- Wolf Harranth, the well known editor of DX programmes at ROI and fighter for Radio Austria International, will give a lesson about the future of DX'ing followed by a discussion.
- Adrian Peterson, the well known DX Editor of the AWR DX-programm Wavescan will give a look out of wavescan: traveling the world with a radio.
- The well known HF specialist and development engineer Dipl.-Ing. Krischke of Rohde & Schwarz, publisher of the famous books "Antennenbuch" and "Antennenlexikon", will give a lecture on shortwave antennas.
- Toshi Othake of Japan SW Club will tell about the 50th anniversary of Japan Short Wave Club.
- Stig Harwig Nielsen of will tell the never ending story of World Music Radio.
- There will be a special DX programme of ADDX with a special QSL card designed by our member Siegbert Gerhard, a Quiz, an EDXC Tombola, lectures about FM and TV-DX (Udo Deutscher), Tropical Bands (Anker Petersen), Simulcast System (M. Knietsch/Thales), DRM (St. Meltzer of Coding Technologies and C. Laske of Fraunhofer Institute), Frequency Planning (Waldemar Krämer/Deutsche Welle) and the History of the German DX Clubs (Siegbert Gerhard)
- At the gala dinner, the European DX Award will be granted for extraordinary achievements for our hobby.
- There will be a flea market in the lobby. Each DX'er may offer everything connected with DX'ing. Also in the lobby, new and older receivers can be found (Collins, Rohde & Schwarz). Everyone will be able to listen to shortwave programmes.
- After the Conference, participants will be able to take part in a visit to the new radio building of Deutsche Welle in Bonn.

For any additional information please contact OM Harald Gabler at <DrGabler@t-online.de> or have a look at the conference website <<http://www.edxc-konferenz2003.org/>>.

(Cf. DXM 4, Seite 28) Hier sind weitere Informationen zum **30. Internationalen SWLCS-DX-CAMP** in Merchweiler vom 25. bis 27. Juli 2003:

Auch Radio Taipei International, Taiwan nimmt am DX-CAMP in Merchweiler teil. Am 26. Juli (DX-CAMP-Samstag) findet ein Hörertreffen von RTI statt. Zu diesem Termin wird Frau Chiu Bihui, Leiterin der deutschen Redaktion von RTI in Merchweiler sein. Das Hörertreffen wird in den

späten Nachmittagsstunden in einen Gartenpavillon auf dem DX-Campgelände durchgeführt. Alle Hörer von RTI und die es noch werden wollen, sollten sich diesen Termin schon mal vormerken.

Auch ein Hörertreffen von China Radio International, wird am 26. Juli (DX-CAMP-Samstag) auf dem Campgelände des SWLCS stattfinden. Beginn am Abend gegen 20.00 Uhr. Aus Beijing kommen hierzu Herr Sun Jingli, Leiter der deutschen Redaktion von CRI, Frau Cheng Yiufen, Mitarbeiterin der deutschen Abteilung von CRI und Frau Dou Xiaowen, Vertreterin von CRI in Berlin.

Radio HCJB, Die Stimme der Anden, Quito, Ecuador wird durch Dorothea und Rüdiger Klaue auf dem DX-Camp 2003 vertreten sein. Geplant ist ein Hörertreffen für den 27. Juli (DX-CAMP-Sonntag) oder vielleicht auch am 26. Juli (DX-CAMP-Samstag nachmittags).

Leider steht es zum heutigen Zeitpunkt noch nicht fest, wer von Radio Slowakei International aus Bratislava nach Merchweiler kommen wird. Sollten wir hierüber noch Informationen bekommen, so werden wir diese sofort veröffentlichen.

Die DEUTSCHE WELLE, der Auslandsdienst der Bundesrepublik Deutschland, wird durch seine beiden Mitarbeiter Waldemar Krämer und Valentina Krasnopolskaja vom Ausstrahlungs-Management am DX-CAMP 2003 in Merchweiler vertreten.

Weitere Informationen von OM Peter Hell <p_hell@freenet.de> oder auf der Homepage des SWLCS <<http://www.swlcs.com>>. Die alte Webadresse <<http://www.swlcs.de>> ist nicht mehr gültig.

And with this best wishes and good DX until next month from



NEWS ABOUT BROADCASTING (+other) STATIONS

Dr. Juergen Kubiak · Goltzstr. 19 · D-10781 Berlin · GERMANY

CZECH REPUBLIC: Broadcast schedule A03 of *Radio Prague*, valid 30 March 2003 - 25 October 2003. Address: Radio Prague, Vinohradska 12, 120 99 Prague 2, Czech Republic. Fax: +420-2-21552903. E-mail: <cr@radio.cz> and at the web <<http://www.radio.cz>>.

CZECH

0830 - 0857	11600	100	S.W. Europe
	21745	100	E. Africa/ Mi. East
0930 - 0957	21745	100/100	S. Asia/ W. Africa
1100 - 1127	11615	100	N. Europe
	21745	100	S. Asia
1230 - 1257	6055	200	C. Europe
	7345	100	W. Europe
1330 - 1357	13580	100	N. Europe
	21745	100	S. Asia
1530 - 1557	5930	200	W. Europe
	21745	100	E. Africa
1730 - 1757	5930	100	E. Europe/Asia/Australia
	17485	100	C. Africa
1930 - 1957	5930	200	W. Europe
	11600	100	S.&E. Asia/Australia
2100 - 2127	11600	100	S.&E. Asia/Australia
	13580	100	W. Africa
2330 - 2357	9440	100	N. America
	11615	100	S. America
0130 - 0157	6200	100	N. America
	7345	200	S. America
0230 - 0257	7345	100	N. America
	**7385	50	
	9870	100	

ENGLISH

0700 - 0727	9880	100	N.W. Europe
	11600	100	
0900 - 0929	21745	100/100	S. Asia/ W. Africa
1030 - 1057	9880	100	N. Europe
	11615	100	N.W. Europe
1300 - 1329	13580	100	N. Europe
	21745	100	S. Asia
1600 - 1627	5930	200	N.W. Europe
	21745	100	E. Africa
1700 - 1727	5930	200	N.W. Europe
	17485	100	C. Africa
2000 - 2027	5930	200	N.W. Europe
	11600	100	S.&E. Asia/Australia
2230 - 2257	11600	100	N. America
	13580	100	
0000 - 0027	7345	100	N. America
	9440	100	
0100 - 0127	6200	100	N. America
	7345	200	
0300 - 0327	7345	100	N. America
	**7385	50	
	9870	100	
0330 - 0357	11600	100	Mi. East/ S.W. Asia
	15620	100	

SPANISH				11600	100	S.W. Europe
0730 - 0757	9880	100	S.W. Europe	1630 - 1657	5930	200 W. Europe
	11600	100			17485	100 C. Africa
1400 - 1427	11990	100	S.W. Europe	1830 - 1857	5930	100 W. Europe
	13580	100			13580	100 W. Africa/ S.W. Europe
1800 - 1827	5930	100	S.W. Europe	2200 - 2227	11600	100 N. America
	13580	100			13580	100
1900 - 1927	5930	100	S.W. Europe	GERMAN		
	13580	100		0630 - 0657	5930	100 W. Europe
	11600	100			7345	200 Europe
1400 - 1427	11990	100	S.W. Europe	1000 - 1027	6055	200 C. Europe
	13580	100			9880	100 W. Europe
1800 - 1827	5930	100	S.W. Europe	1200 - 1229	6055	200 C. Europe
	13580	100			7345	100 W. Europe
1900 - 1927	5930	100	S.W. Europe	1500 - 1527	5930	200 W. Europe
	13580	100		1630 - 1657	*5990	250 W. Europe
2030 - 2057	5930	200	S.W. Europe	RUSSIAN		
	11600	100		0400 - 0427	684	20 St. Peterburg
2130 - 2157	11600	100	S. America/ S.W. Europe		9865	100 E. Europe
	13580	100			11600	100 E. Europe/ S.W. Asia
2300 - 2327	9440	100	S. America	1130 - 1157	11615	100 E. Europe
	11615	100			*15685	250
0030 - 0057	7345	100	C. America		21745	100 E. Europe/ S.W. Asia
	9440	100	S. America	1430 - 1457	*9855	250 E. Europe
0200 - 0227	6200	100	C. America		11645	100
	7345	200	S. America		13580	100 E. Europe/ S.W. Asia
**7385	50		N.W. of South America	1530 - 1557	*7195	250 E. Europe
FRENCH				Transmitters at Litomyšl 16E10 49N48		
0600 - 0627	5930	100	W. Europe	* Relayed via Rimavska Sobota, Slovakia		
	7345	200	S.W. Europe	20E00 48N23		
0800 - 0827	9880	100	W. Europe	** Relayed via WRMI Miami, Florida 80W22 25N54		

MEDIUM WAVE TRANSMISSIONS:

ENGLISH

1130 - 1200 UTC

1071 kHz Hradec Kralove - E. Bohemia, Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia, Ostrava - N. Moravia

Brno - S. Moravia, Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia

Karlovy Vary - W. Bohemia

Plzen - W. Bohemia, Liberec - N. Bohemia

Litomyšl - E. Bohemia/W. Moravia

1730 - 1800 UTC Monday - Friday

1071 kHz Hradec Kralove - E. Bohemia, Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia, Ostrava - N. Moravia

Brno - S. Moravia, Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia

Karlovy Vary - W. Bohemia

Plzen - W. Bohemia, Liberec - N. Bohemia

Litomyšl - E. Bohemia/W. Moravia

1830 - 1900 UTC Sat & Sun

1071 kHz Hradec Kralove - E. Bohemia, Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia

Ostrava - N. Moravia, Brno - S. Moravia

Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia, Karlovy Vary - W. Bohemia

Plzen - W. Bohemia, Liberec - N. Bohemia

Litomyšl - E. Bohemia/W. Moravia

GERMAN 1800 - 1830 UTC

1071 kHz Hradec Kralove - E. Bohemia, Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia

Ostrava - N. Moravia, Brno - S. Moravia

Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia, Karlovy Vary - W. Bohemia

Plzen - W. Bohemia, Liberec - N. Bohemia
 Litomysl - E. Bohemia/W. Moravia

FRENCH 1030 - 1100 UTC
 1071 kHz Hradec Kralove - E. Bohemia
 Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia
 Ostrava - N. Moravia
 Brno - S. Moravia, Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia
 Karlovy Vary - W. Bohemia, Plzen - W. Bohemia
 Liberec - N. Bohemia, Litomysl - E. Bohemia/W. Moravia

SPANISH 1000 - 1030 UTC
 1071 kHz Hradec Kralove - E. Bohemia
 1287 kHz Ceske Budejovice / Strakonice - S. Bohemia
 Karlovy Vary - W. Bohemia, Plzen - W. Bohemia
 Liberec - N. Bohemia, Litomysl - E. Bohemia/W. Moravia

SPANISH 1000 - 1030 UTC
 1071 kHz Hradec Kralove - E. Bohemia
 Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia
 Ostrava - N. Moravia
 Brno - S. Moravia, Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia
 Karlovy Vary - W. Bohemia, Plzen - W. Bohemia
 Liberec - N. Bohemia, Litomysl - E. Bohemia/W. Moravia

RUSSIAN 1100 - 1130 UTC
 1071 kHz Hradec Kralove - E. Bohemia
 Moravske Budejovice - S. Moravia

1233 kHz Melnik - Bohemia
 Ostrava - N. Moravia
 Brno - S. Moravia, Jihlava - S.W. Moravia

1287 kHz Ceske Budejovice / Strakonice - S. Bohemia
 Karlovy Vary - W. Bohemia
 Plzen - W. Bohemia
 Liberec - N. Bohemia
 Litomysl - E. Bohemia/W. Moravia (R. Prague Website via JKB, 10 Jun 2003)

DRM: DRM transmissions on shortwave - valid from June 21 to October 25, 2003:

UTC	Days	kHz	Beam Target	kW	Programme	Site
0300-0400	daily	11955	285 W & C No. America	70	BBCWS	Sackville
0430-0530	Sat/Sun	15400	230 NZ + SE Australia	10	RNW English	Bonaire
0900-1500	daily	7320	105 W & C Europe	33	BBCWS	Rampisham
0900-1300	daily	15440	40 W & C Europe	80	DW English	Sines
0927-1225	daily	9590	172 Geneva	40	RNW English	Flevo
1000-1100	Mon.	9760	105 W+C Europe	33	Christian V.	Rampisham
1000-1100	daily	6140	120 W & C Europe	40	DW English	Jülich
1100-1200	daily	6140	120 W & C Europe	40	DW German	Jülich
1200-1300	daily	6140	120 W & C Europe	40	DW English	Jülich
1305-1455	daily	5975	290/060* W Europe	40	T-Systems Media	Jülich
1600-1700	daily	6140	ND W & C Europe	40	DW English	Jülich
1700-1800	daily	6140	ND W & C Europe	40	DW German	Jülich
1800-1900	daily	6140	ND W & C Europe	40	DW English	Jülich
1800-1900	daily	15215	62 W Russia	33	BBC Russian	Rampisham
1955-2030	daily	9795	268 NE USA + NE Canada	70	Vatican Radio	Sackville
2030-2100	daily	9795	268 NE USA + NE Canada	70	RNW English	Sackville
2100-2200	daily	9795	268 NE USA + NE Canada	70	Radio Canada Int.	Sackville
2200-2230	daily	9795	268 NE USA + NE Canada	70	Deutsche Welle	Sackville
2230-2300	daily	9795	268 NE USA + NE Canada	70	Radio Sweden	Sackville
2300-2400	daily	9795	268 NE USA + NE Canada	70	BBCWS	Sackville
2330-0030	daily	15525	350 NE USA + NE Canada	10	RNW English	Bonaire

*) different beams in alternate weeks

(<http://www.rnw.nl/realradio/html/drm_latest.html>, 20 June 2003 via WWDXC-HQ)

ECUADOR: *Radio HCJB* has a programme in Plattdeutsch (Low German), which is spoken or understood in Northern Germany, Netherlands and Belgium, on Saturday, Sunday and Monday at 0530-0600 UTC on 9780 kHz. (Michael Frese, Osnabrueck, Germany, 03 June 2003)

IRAN: A03 schedule (without all languages) *Voice of the Islamic Republic of Iran - VOIRI* Tehran. Postal address: Islamic Republic of Iran Broadcasting, Vali-e asr Ave, Jame Jam St., P.O. Box 19395-6767, Teheran. For German language service: IRIB Deutsches Programm (German Service), Bundespressehaus, Zimmer 1305, Schiffbauerdamm 40, D-10117 Berlin, Germany. eMail: <IRIBWORLD@IRIB.COM>, Internet: <<http://www.trib.com>>.

ENGLISH:

1030-1130	15550	FAR EAST
	702 15450	PERSIAN GULF Littoral STATES And Oman Sea
	765 15600	NORTH OF PAKISTAN & INDIA
	21470	SOUTH EAS ASIA- NORTH OF AUSTRALIA
	21730	FAR EAST
1530-1630	7245	INDIA SUBCONTINENT
	9635	SOUTH EASTERN ASIA & INDIA
	11775	SOUTH EASTERN ASIA & INDIA
1930-2030	11860	CENTRAL And WEST EUROPE
	11670	CENTRAL EUROPE
	9800	SOUTH AND EAST OF AFRICA
	11750	SOUTH AND EAST OF AFRICA
2130-2230	9870	SOUTH EASTERN ASIA AUSTRALIA
	13665	SOUTH EASTERN ASIA AUSTRALIA
0030-0130	9590	NORTH AMERICA
	11920	NORTH AMERICA
0130-0230	9590	NORTH AMERICA
	11920	NORTH AMERICA

FRENCH:

9560	2330-0030	L'EST CANADIEN
11970		L'EUROPE OCCIDENTALE
17780	0630-0730	EUROPE
17590		EUROPE
21645		L'AFRIQUE CENTRALE ET OCCIDENTALE
15084	1830-1930	EUROPE
11860		EUROPE
11880		L'AFRIQUE CENTRALE ET OCCIDENTALE (Le Tchad, Le Cameroun et Le Nig'eria)
13665		L'EUROPE OCCIDENTALE
13700		L'EUROPE CENTRALE

SPANISH:

ESPANA		9705	2030-2130
ESPANA		11765	
CENTROAMERICA		13755	0030-0130
SUDAMERICA		9655	
AMERICA CENTRAL Y EL NORTE DE SUDAMERICA		9515	
AMERICA CENTRAL Y EL SUR DE AMERICA DEL NORTE		9560	0130-0230
AMERICA CENTRAL Y EL SUR DE AMERICA DEL NORTE		9810	
CENTRO AMERICA ,EL NORTE DE BR ASIL, PERU Y BOLIVIA		13730	0230-0330
EUROPA CENTRAL Y OCCIDENTAL		17785	0530-0630
EUROPA		17590	

ITALIAN:

EUROPE	17825	0630-0730
EUROPE	17560	
ITALY	15235	1200-1300
ITALY	15084	
ITALY	7295	1930-2000
ITALY	13650	

Voice of Palestine:

0330-0430 9610, 11870 Syria-Lebanon-Palestine
(IRIB Webpages Last-Modified: 1 May 03, via JKB)

JAPAN: The following may be of interest from *Radio Japan - NHK World* E-Guide: The following NHK World Radio Japan's broadcasts via Sri Lanka have been suspended now, because of the transmitter trouble of relay station.

To Middle East & North Africa:

Persian UTC, 2:30 - 3:00 (15240kHz)

Japanese UTC, 3:00 - 4:00 (15240kHz)

Arabic UTC, 4:00 - 4:30 (15240kHz)

English UTC, 14:00 - 15:00 (17755kHz)

Listeners can have access to Radio Japan news through 'Radio Japan Online', the internet service of NHK WORLD. (Rob Wagner via edxp@topica via WWDXC-HQ, 11 May 2003)

MALTA: A03 schedule *Voice of the Mediterranean*, 30 March 2003 - 25 October 2003.

Postal address: Voice of the Mediterranean, PO Box 143, Valletta CMR 01, Malta. E-mail: <vomradio@vom-malta.org.mt>, Web: <www.vom-malta.org.mt>.

Monday to Saturday	0530-0600	6110	Arabic
	1700-1730	9605	Italian
	1730-1800	9605	English
	1900-2000	12060	English (Except on Friday)
	2000-2100	12060	Arabic
Friday	1900-2100	12060	Arabic
Sunday	0500-0600	17570	Japanese
	0700-0800	9605	Italian
	0800-0900	9605	English
	0900-1000	9605	Maltese
	1000-1100	9605	French
	1100-1200	9605	German
	1900-2000	12060	English
	2000-2030	12060	French
	2030-2100	12060	German

(VOM Webpage via JKB, 11 June 2003)

PAKISTAN: Updated A03 schedule of *Pakistan Broadcasting Corporation*.

ARABIC	1815-1900	9335v	11530	>>>>	ex	9385v	11550
ASSAMI	0045-0115	11650	15625v				
BANGLA	0115-0200	11650	15625v				
	1200-1245	15635	17635v	>>>>	ex	15625	
CHINESE	1200-1230	11570	15070				
DARI	1515-1545	5860v	7375				
ENGLISH	1600-1615	11570	15065				
		15725v	17720				
GUJARATI	0400-0430	15485	17825				
FARSI	1715-1800	7550	9340v	>>>>	ex	9385v	
HINDI	0215-0300	9340v	11640				
	1100-1145	11640	15625v				
NEPALI	1245-1315	15635v	17635	>>>>	ex	15625v	
RUSSIAN	1415-1500	7375	9385v				
SINHALA	1015-1045	15625v	17495				
TAMIL	0315-0345	15625v	17540				
	0945-1015	15625v	17495				
TURKI	1330-1400	5860v	7375				
TURKISH	1630-1700	9340v	11530	>>>>	ex	9385v	11550
URDU	0045-0215	15485	17895				
	0500-0700	15100	21460				
	0800-1104	17825	21465	>>>>	ex	17835	
	1330-1530	11570	15065				
	1700-1900	9400	11570				
	1815-1900	7550					
	1915-0045	7570v					

(OBSERVER #261 by Ivanov & Datzinov, via WB, 5/27/2003)

RUSSIA: Voice of Russia via short wave transmitters of the countries of CIS,
03/30/2003 - 10/25/2003:

kHz	UTC	kW	
Armenia			
9965	2300-0200	500	
11510	1600-1900	500	
15735	1900-2100	500	
Moldova			
5950	1700-2100	500	
9665	0000-0500	500	
11750	0000-0500	500	
Tajikistan			
4940	1200-1400	100	
4940	1500-1600	100	
4965	1200-1400	100	
4965	1500-1600	100	
4975	1200-1400	100	
4975	1500-1600	100	
9360	1400-1900	200	
9945	0100-0300	500	
			11500 1200-1500 500
			11510 2300-0200 500
			17495 0700-0900 500
			17525 0700-0900 500
			Ukraine
			11720 0100-0500 500
			China
			11500 1500-1600 120
			Vatican City
			11825 0100-0200 250
			Germany
			5985 1900-2100 100
			6170 2000-2100 100
			6170 2200-2300 100
			9405 1900-2100 100
			17670 0600-0800 100
			17705 1400-1500 100

Voice of Russia relay via shortwave transmitters of Russia, 03/30/2003 - 10/25/2003:

kHz	UTC	kW	
Moscow			
7390	1800-2100	250	
7440	1800-2100	250	
9450	(9470*)	2300-0200 500	
9775	1700-2100	250	
9795	(7440*)	1500-1700 250	
9865	(9890*)	1600-2000 250	
9890	(7310*)	1700-2100 250	
9920	1200-1500	250	
11630	(9480*)	1500-2100 250	
11920	1700-1800	250	
11985	1400-1900	250	
12000	(11745*)	1600-2100 250	
12030	1600-2100	250	
12040	(9810*)	1600-1900 250	
12070	(7300*)	0100-0300 500	
12070	(7350*)	1700-2100 250	
15460	1200-1600	500	
15535	(11630*)	1600-2000 250	
15540	1400-1800	250	
17645	1200-1500	500	
Sankt-Petersburg			
7310	(7320*)	1730-2000 400	
7330	2300-0200	500	
7400	1700-1900	400	
9450	(9470*)	2000-2100 400	
9450	(9470*)	1500-1800 400	
9480	0100-0300	500	
12005	1500-1600	400	
12015	1400-1700	400	
12055	1700-2100	200	
12060	1500-1530	200	
12060	(9710*)	1700-1900 200	
15595**	1730-1800	400	
15595**	1830-1900	400	
17580**	1500-1600	400	
** = 7130 kHz Since 28/09/2003			
Kaliningrad			
			7300 1500-1900 160
			7330 0900-1000 320
			7330 1500-1900 160
			11830 1400-1700 160
			Samara
			9470 (6000*) 1800-2130 200
			9480 (9820*) 1700-1900 200
			9485 1200-1700 250
			9835 1400-1700 250
			11980 (12010*) 1600-1800 250
			12010 (9890*) 2300-0200 500
			12015 (12065*) 1800-1900 200
			12055 1500-1700 250
			15125 (9490*) 1600-1900 200
			15290 (12000*) 1500-1800 200
			15405 1500-1600 200
			15510 1200-1500 250
			Krasnodar
			7305 1400-1900 100
			7325 1400-1700 100
			9725 0100-0300 500
			9830 0000-0200 500
			11675 (7360*) 1700-2100 500
			12015 1200-1400 250
			12035 1600-1800 500
			12060 0100-0300 500
			15455 0900-1000 250
			15455 (11980*) 1500-2100 250
			17570 1200-1600 500
			Ekaterinburg
			7370 1300-1900 200
			11745 (12020*) 1745-2000 200
			12020 (11930*) 1700-1800 200
			15350 1600-2000 200
			17685 (12040*) 1500-1800 200
			Novosibirsk
			7350 1500-1700 200
			9820 (9450*) 1400-1900 500
			9875 1400-1800 500

11640 1200-1400 500
 11720 1500-1700 500
 15470 1200-1400 200
 15490 1200-1400 200
 15550 1200-1300 500
 Irkutsk
 5905 1000-1400 100
 7315 1500-1800 250
 9555 1200-1400 250
 9800 1200-1800 100
 11935 (12000*) 1000-1400 250
 21790 0500-0700 250
 Chita
 9745 1200-1900 500
 11870 1530-1900 500
 12055 1200-1300 500
 12055 1400-1500 500
 Vladivostok
 5940 1000-1300 100
 7315 1200-1400 250
 7340 1200-1300 500

7390 1200-1400 250
 7390 1400-1600 500
 17660 0100-0500 500
 Khabarovsk
 7490 1000-1100 080
 9480 1200-1400 100
 12000 (9470*) 1000-1400 100
 Komsomolsk-na-Amure
 7305 1000-1300 250
 17565 (15455*) 0100-0500 250
 17635 0500-0900 250
 Petropavlovsk-Kamchatskiy
 12000 0100-0500 200
 12055 1000-1100 200
 13640 1000-1100 100
 17595 0100-0300 250
 17620 (21755*) 0100-0300 100
 17650 0200-0500 250
 17690 0100-0500 100

* = FROM 09/07/2003

(Rudnev in RUS-DX #118-C via Klepov via WDXC-HQ; May 18, 2003)

Foreign relay via short wave transmitters of the countries of CIS, 03/30/2003 - 10/25/2003:

kHz UTC kW Radiostation

Armenia

5855 2610-1740 100 TWR
 6240 1200-1215 100 TWR
 9365 (7550*) 2300-2400 500 RFA
 9365 0100-0300 500 RFA
 11510 1500-1600 500 RFA
 11590 1100-1400 500 RFA
 11975 1400-1500 100 VOA
 15625 1400-1500 100 RFA
 17485 9600-0700 500 RFA

Moldova

7460 0230-0315 500 RPD
 7480 1800-1845 500 RPD
 11530 0800-1600 500 MSP

Kazakhstan

5910 1430-1530 200 DVB
 9355 1530-1600 200 VOO (Tue, Fri)
 11515 1300-1400 2000 RFA
 11520 1400-1500 200 RFA
 11560 2330-0030 200 RFA
 11570 (7455*) 2230-2330 200 RFA
 13830 0000-0100 200 RFA
 15135 2300-2350 500 DWL
 15625 1230-1330 200 RFA
 15635 1100-1200 200 RFA
 15660 0030-0130 200 RFA
 17485 1000-1400 500 DWL
 17770 1430-1455 500 DWL
 19 m* 1215-1300 500 VOT

Tajikistan

4760 0100-0200 100 RFE
 4760 1630-1700 100 RFE
 4995 1400-1600 100 RFE
 5860 1400-1600 100 RFE

5860 1900-2100 100 RFE
 6140 1900-2000 200 RFE
 7185 0300-0400 100 RFE
 7295 0200-0300 100 RFE
 7465 1600-1700 200 RFA
 9350 0100-0200 200 RFA
 9370 1600-1700 200 RFA
 11520 0100-0200 200 RFA
 11520 (7530*) 1800-2100 500 RFA
 11540 (9975*) 2330-0030 200 RFA
 13835 1500-1600 200 RFA
 15680 (7540*) 2300-2400 500 RFA
 15680 (11540*) 1300-1500 200 RFA
 15580 (7540*) 1500-2200 500 RFA
 15695 (9395*) 2300-2400 200 RFA
 15695 1100-1400 200 RFA
 15695 (13830*) 0100-0300 200 RFA
 15705(11535*) 1400-1500 200 RFA
 17495 0300-0700 500 RFA
 17510 0600-0700 200 RFA
 17525 0300-0700 500 RFA
 17525 (11540*) 0030-0130 200 RFA
 19 m** 1215-1300 100 VOT

Uzbekistan

7430 1500-1530 200 BBC
 9445 2315-0200 200 TWR
 9445 1115-1630 200 TWR
 9865 1330-1445 200 BBC
 11850 0100-0400 100 VIL
 12065 1330-1425 100 RNW
 12065 1430-1600 100 VAT
 12075 1430-1625 100 RNW
 13745 0100-0130 200 BBC
 17540 0100-0200 200 HLR (Fri)
 17695 1200-1230 100 RVI

21780 0800-0830 200 BBC	16 m* 1430-1515 100 VOT
13 m* 1215-1300 100 VOT	
* = Since 09/07/2003 [Why 'since' ??? Date today is 6/14/03: FROM, Ed.]	
** = different frequencies in the mentioned metre band.	
Foreign relay via short wave transmitters in Russia 03/30/2003 - 10/25/2003.	
kHz - UTC - kW - Transmitter	
Moscow	15455* 0500-0715 250 MAR (Mon-Sat)
7175** 2200-2300 250 CRI	15455* 0600-0800 250 MAR (Sun)
7385 1700-1800 250 BBC	15530 1100-1300 250 FEB
9880* 2200-2300 250 CRI	15605 0900-0930 200 DWL
9920 1500-1530 250 RCI	17545 1230-1300 200 DWL
12035 1830-1930 200 CRI	17650 1100-1130 200 RVI
12060 1900-2100 250 VOM	17695 1300-1600 200 RVI (Sun)
12090 1200-1600 500 DWL	Novosibirsk
15530 0345-0430 250 FEB	9825 1700-1730 500 DWL
Sankt-Petersburg	11570 0000-0100 100 IBC
7130**** 1600-1700 400 CRI	11990 1300-1500 200 VOA
7130**** 1800-1830 400 CRI	12045 2200-2300 200 RFI
15595*** 1800-1830 400 CRI	12075 1200-1300 500 RFI
17580*** 1600-1700 400 CRI	13590 1145-1400 100 BVB
Kaliningrad	15535 2300-0100 500 RFI
7340 2030-2125 160 RNW	Irkutsk
Samara	7150 2200-2300 250 VOA
5935** 1900-2030 250 IBR	7210 1600-1700 250 RFA
6035 2100-2200 200 FGM	7305* 2200-2245 250 VAT
6210 1610-1640 100 VAT	7460 1300-1400 250 HBS
7320 1630-2130 250 CRI	9460 1300-1350 500 DWL
7380* 1930-2200 250 MAR	9900 1000-1400 250 DWL
7560 1700-1800 250 MES (Tue, Wed, Fri)	12025 0930-1030 500 RFI
9475 1600-1630 250 TWR	12025 1100-1300 500 RFI
9825 1730-1800 250 DWL	12035 2300-2350 500 DWL
9835* 1900-2030 250 IBR	12045 1030-1055 500 DWL
9945 2100-2200 200 FGM	13710 0930-1125 250 RNW
11520 1600-1700 200 TAY	17590 0200-0330 250 VAT
12045 0015-0130 250 FEB	17710 0230-0300 250 BBC
12120 1500-1530 250 SAW	17710 0800-0830 250 BBC
12120 1700-1800 250 DER (Sat)	Chita
12120 1730-1800 250 ORO (Mon, Fri)	12055 1315-1400 500 VAT
15525 0800-0830 250 DWL	15580 0015-0200 500 FEB
15595 1330-1420 250 DWL	Vladivostok
15605 1200-1500 250 FEB	7330 1100-1530 500 BBC
17765 1100-1600 100 WUN	12005 2200-2300 500 RFI
17820 0900-0930 250 DWL	13690 0000-0100 200 DWL
Krasnodar	15595 2300-2400 500 RFI
6225 2000-2130 500 DWL	15660 1400-1500 250 VKK (Tue)
7230 1800-1900 250 DWL	17860 2300-2400 250 DWL
7380** 1500-2200 250 MAR	Khabarovsk
7430 1700-1815 100 BVB (Mon-Fri)	11830** 2200-2245 100 VAT
7430 1700-1900 100 BVB (Sat)	13820 1030-1125 100 RNW
7430 1700-2000 100 BVB (Sun)	13695 1330-1425 100 RNW
9415 1600-1715 100 IBR	17590 2330-0025 100 RNW
9925 1700-2100 100 RVI	Komsomolsk-na-Amure
12010* 1500-1930 250 MAR	9585 1200-1300 250 HBS
12035 2000-2100 100 RCI	15605 2200-2350 250 DWL
12060** 0500-0715 250 MAR (Mon-Sat)	17570 0500-0600 250 VOM (Sun)
12060** 0600-0800 250 MAR (Sun)	Petropavlovsk-Kamchatskiy
12065 0345-0430 250 FEB	7420 1000-1400 250 DWL
12125 1900-1930 200 JRI (Mon-Fri)	9450 1200-1330 200 IBR
12125 1900-2000 200 VBI (Sat)	9865 1130-1230 250 RVI
15195 0500-0800 200 RVI	9890 1330-1425 250 RNW
15195 1700-1800 100 RVI	12065 0930-1125 250 RNW
	12070 0000-0100 250 DWL

15470 2100-2200 250 VOA

* = Till 09/06/2003

** = Since [FROM, Ed.] 09/07/2003

*** = Till 09/27/2003

**** = Since [FROM, Ed.] 09/28/2003

BBC = British Broadcasting Corporation
 BVB = Bible Voice Broadcasting Network
 CRI = China Radio International
 DER = Dejan Radio
 DWL = Deutsche Welle
 FEB = FEBA Radio
 FGM = Fang Guang Ming Radio
 FRA = Radio Free Asia
 HBS = Herald Broadcasting Syndicate
 HLR = Hmong Lao Radio
 IBC = International Broadcasting Corporation (IBC Tamil)
 IBR = IBRA Radio
 JRI = Jakada Radio International
 MAR = Radio Maryja
 MES = Mesopotamian Radio & TV
 MSP = Voice of Mesopotamia
 ORO = Voice of Oromiya

RCI = Radio Canada International
 RFE = Radio Free Europe / Radio Liberty
 RFI = Radio France Internationale
 RNW = Radio Nederland Wereldomroep
 RPD = Radio Payam-e Doost
 RVI = Radio Vlaanderen Internationaal
 SAW = Sowt al-Watan (Voice of Homeland)
 TAY = Radio Tayyar
 TWR = Trans World Radio
 VAT = Radio Vaticana
 VBI = Voice of Biafra International
 VIL = Voice International
 VKK = Voice of Khmer Krom
 VOA = Voice of America
 VOM = Voice of Mediterranean
 VOO = Voice of Orthodoxy
 VOT = Voice of Tibet
 WUN = University Network

(Rudnev in RUS-DX #118-D via Klepov via WWDXC-HQ; May 26, 2003)

SLOVAKIA: *Radio Slovakia International* - *RSI* was created in 1993, almost simultaneously with the emergence of independent Slovakia, its duty being to give other countries information about the new state and to keep contact with the numerous expatriate communities. Organizationally, it is a relatively autonomous unit within the Slovak Radio. Its programmes are broadcast in English, German, French, Russian and in Slovak for expatriates. The 30-minute magazines broadcast daily contain news from Slovakia, features on Slovak economy, sciences, culture, geography, environment, sports, examples of verbal and musical arts and portraits of important personalities. Radio Slovakia International broadcasts worldwide on SW, satellites and Internet. Time and frequency schedule A03 from March 30 to October 26 2003 of RSI. Send e-mail to <englishsection@slovakradio.sk>

0100-0130 North America English 5930	Western Europe German 7345
Central America English 6190	1430-1500 Western Europe Spanish 6055
South America English 9440	Western Europe Spanish 7345
0130-0200 North America Slovak 5930	W. Europe, S. America Spanish 11600
Central America Slovak 6190	1500-1530 Eastern Europe, Asia Russian 7345
South America Slovak 9440	Eastern Europe, Asia Russian 9535
0200-0230 North America French 5930	Eastern Europe, Asia Russian 11715
Central America French 6190	1530-1600 Western Europe Slovak 5920
South America French 9440	Western Europe Slovak 6055
0230-0300 Central America Spanish 6190	Western Europe Slovak 7345
South America Spanish 9440	1600-1630 Western Europe German 5920
South America Spanish 11990	Western Europe German 6055
0700-0730 Australia English 9440	Western Europe German 7345
Australia English 17550 16	1630-1700 Western Europe English 5920
Australia English 15460	Western Europe English 6055
0730-0800 Australia Slovak 9440	Western Europe English 7345
Australia Slovak 17550	1700-1730 Western Europe French 5920
Australia Slovak 15460	Western Europe French 6055
0800-0830 Western Europe German 5915	Western Europe French 7345
Western Europe German 6055	1730-1800 Eastern Europe, Asia Russian 5920
Western Europe German 7345	Eastern Europe, Asia Russian 7345
1300-1330 Eastern Europe, Asia Russian 7345	Eastern Europe, Asia Russian 9485
Eastern Europe, Asia Russian 9440	1700-1730 Western Europe French 5920
Eastern Europe, Asia Russian 11990	Western Europe French 6055
1330-1400 Western Europe German 5915	Western Europe French 7345
Western Europe German 6055	1730-1800 Eastern Europe, Asia Russian 5920

	Eastern Europe, Asia Russian 7345		Western Europe Slovak 6055
	Eastern Europe, Asia Russian 9485		Western Europe Slovak 7345
1800-1830	Western Europe German 5920	1930-2000	Western Europe French 5920
	Western Europe German 6055		Western Europe French 6055
	Western Europe German 7345		Western Europe French 7345
1830-1900	Western Europe English 5920	2000-2030	Western Europe Spanish 6055
	Western Europe English 6055		Western Europe Spanish 7345
	Western Europe English 7345		W. Europe, S. America Spanish 11650
1900-1930	Western Europe Slovak 5920		

(RSI Webpage Last-Modified 02 Apr 2003, via JKB)

SRI LANKA: Replace 7115 by 7300 in all the timings mentioned at last published schedule of the External Services of *Sri Lanka Broadcasting Corporation* in DXM earlier. (Jose Jacob - VU2JOS, via WWDXC-HQ, May 25, 2003)

USA: Current transmission schedule period A03 for **Voice of America - VOA, Radio Liberty - RL, Radio Free Europe - RFE, Radio Marti - OCB, Radio Farda ("Tomorrow Radio") - FRD** and relay of other stations, given by the International Broadcasting Bureau (IBB).

kHz	Start	Stop	Px	Lang.	Loc	Azi.	Days	From	Until										
612	0300	0500	RFE	BR	VLN	999		03/30	10/25	909	2200	2230	VOA	ENGL	BOT	999	12345	03/30	10/25
612	1300	2100	RFE	BR	VLN	999		03/30	10/25	972	0000	0030	RFE	DA	DB	999		03/30	10/25
648	1300	1400	VOA	KORE	USS	230		03/30	10/25	972	0030	0130	VOA	PASH	DB	999		03/30	10/25
756	0430	0500	VOA	CROA	LUG	190		03/30	10/25	972	1800	1900	VOA	PERS	DB	230		03/30	10/25
756	2100	2130	VOA	SERB	LUG	190		03/30	10/25	972	2330	2400	RFE	DA	DB	999		03/30	10/25
792	0330	0400	VOA	TURK	KAV	105		04/28	10/25	981	1200	1400	VOA	ENGL	U-B	140		03/30	10/25
792	0400	0430	VOA	ENGL	KAV	15		03/30	10/25	981	2000	2200	VOA	ENGL	U-B	140		03/30	10/25
792	0430	0500	VOA	CROA	KAV	330		03/30	10/25	990	0000	2400	SAW	ARAB	CYP	134		03/30	10/25
792	0500	0700	VOA	ENGL	KAV	15		03/30	10/25	1143	1100	1200	VOA	CHIN	PHP	332		03/30	10/25
792	0900	1300	ERT	VAR	KAV	999		03/30	10/25	1143	1200	1230	VOA	DARI	DB	999		03/30	10/25
792	1300	1700	ERT	VAR	KAV	330		03/30	10/25	1143	1200	1230	VOA	ENGL	PHP	332		03/30	10/25
792	1700	1730	VOA	SERB	KAV	330		03/30	05/23	1143	1230	1300	VOA	UZBE	DB	999		03/30	10/25
792	1730	1800	ERT	VAR	KAV	999		03/30	10/25	1143	1300	1400	RFE	UZ	DB	999		03/30	10/25
792	1800	1900	VOA	TURK	KAV	105		03/30	10/25	1143	1300	1330	VOA	VIET	PHP	262		03/30	10/25
792	1900	1930	RFE	KO	KAV	330		03/30	10/25	1143	1330	1500	VOA	CANT	PHP	332		03/30	10/25
792	1930	2000	VOA	SERB	KAV	330		03/30	10/25	1143	1600	1700	VOA	ENGL	PHP	332		03/30	10/25
792	2000	2130	ERT	VAR	KAV	330		03/30	10/25	1143	1700	1800	VOA	ENGL	PHP	332	12345	03/30	10/25
792	2130	2200	VOA	BOSN	KAV	330	12345	03/30	10/25	1170	0000	2400	FRD	PE	DHA	0		5/7	10/25
792	2200	2300	ERT	VAR	KAV	330		03/30	10/25	1188	0300	0500	RFE	BR	MAR	999		03/30	10/25
801	0000	0030	RFE	DA	DB	230		03/30	10/25	1188	0530	0600	VOA	SERB	MAR	999		03/30	4/10
801	0030	0130	VOA	PASH	DB	230		03/30	10/25	1188	1500	1700	RFE	BR	MAR	999		03/30	10/25
801	0130	0230	VOA	DARI	DB	230		03/30	10/25	1188	1700	1730	VOA	SERB	MAR	999		03/30	05/23
801	0230	0330	RFE	PA	DB	230		03/30	10/25	1188	1700	1730	RFE	BR	MAR	999		05/24	10/25
801	0330	0430	RFE	DA	DB	230		03/30	10/25	1188	1730	1800	RFE	SC	MAR	999		03/30	10/25
801	1230	1330	RFE	PA	DB	230		03/30	10/25	1188	1900	2100	RFE	BR	MAR	999		03/30	10/25
801	1330	1430	RFE	DA	DB	230		03/30	10/25	1188	2100	2130	VOA	SERB	MAR	999		03/30	10/25
801	1430	1530	VOA	PASH	DB	230		03/30	10/25	1188	2100	2130	VOA	SERB	MAR	999		03/30	10/25
801	1530	1630	VOA	DARI	DB	230		03/30	10/25	1188	2130	2300	RFE	SC	MAR	999		4/11	10/25
801	1630	1730	RFE	PA	DB	230		03/30	10/25	1188	2130	2400	RFE	SC	MAR	999		03/30	4/10
801	1730	1830	RFE	DA	DB	230		03/30	10/25	1197	0230	0330	RFE	SC	MUN	115		03/30	10/25
801	1830	1930	VOA	PASH	DB	230		03/30	10/25	1197	0430	0500	VOA	CROA	MUN	115		03/30	10/25
801	2330	2400	RFE	DA	DB	230		03/30	10/25	1197	0500	0530	VOA	ENGL	MUN	115		03/30	10/25
864	0100	0200	RFE	UZ	ERV	180		03/30	10/25	1197	0530	0600	VOA	SERB	MUN	115		03/30	10/25
864	0200	0300	RFE	TU	ERV	180		03/30	10/25	1197	0600	0700	VOA	ENGL	MUN	999		03/30	10/25
864	1530	1600	RFE	TU	ERV	180		03/30	10/25	1197	0700	1500	VOA	ENGL	MUN	999		03/30	10/25
909	0300	0430	VOA	ENGL	BOT	999		03/30	10/25	1197	1500	1530	VOA	BOSN	MUN	999	12345	03/30	10/25
909	0430	0630	VOA	ENGL	BOT	999		03/30	10/25	1197	1530	1600	VOA	ENGL	MUN	999		03/30	10/25
909	0630	0700	VOA	ENGL	BOT	999	67	03/30	10/25	1197	1600	1700	RFE	SC	MUN	115		03/30	10/25
909	1600	1700	VOA	ENGL	BOT	999		03/30	10/25	1197	1700	1730	VOA	ENGL	MUN	115		05/24	10/25
909	1700	1730	VOA	ENGL	BOT	999		03/30	4/6	1197	1700	1730	VOA	SERB	MUN	115		03/30	05/23
909	1700	1730	VOA	SHON	BOT	999	12345	4/7	10/25	1197	1730	1830	VOA	ENGL	MUN	115		03/30	10/25
909	1730	1800	VOA	ENGL	BOT	999	12345	03/30	10/25	1197	1830	1900	VOA	CROA	MUN	115		03/30	10/25
909	1800	2200	VOA	ENGL	BOT	999		03/30	10/25	1197	1900	1930	VOA	ENGL	MUN	115		03/30	10/25
										1197	1930	2000	VOA	MACE	MUN	115	12345	03/30	10/25
										1197	2000	2100	VOA	ENGL	MUN	115		03/30	10/25

6045	1700	1800	VOA	ENGL	PHT	21	12345	03/30	10/25				
6060	2100	2200	VOA	KORE	UDO	38		03/30	10/25				
6060	2200	2230	VOA	KHME	PHT	270		03/30	10/25				
6060	2230	2330	VOA	VIET	PHT	270		03/30	10/25				
6065	0300	0400	RFE	UK	KAV	355	123456	04/14	10/25				
6065	0300	0400	RFE	UK	LAM	75	123456	03/30	04/13				
6080	0300	0430	VOA	ENGL	SAO	138		03/30	10/25				
6080	0430	0500	VOA	ENGL	SAO	138		03/30	10/25				
6080	0500	0630	VOA	ENGL	SAO	138		03/30	10/25				
6080	0630	0700	VOA	ENGL	SAO	138	67	03/30	10/25				
6095	0000	0100	RFE	RU	HOL	59		03/30	10/25				
6095	0330	0430	VOA	KNKR	SAO	100		03/30	10/25				
6095	0430	0500	VOA	PORT	SAO	124		03/30	10/25				
6095	0500	0530	VOA	HAUS	SAO	20		03/30	10/25				
6095	0530	0600	VOA	FREN	SAO	20	12345	03/30	10/25				
6095	0600	0630	VOA	FREN	SAO	20	12345	03/30	10/25				
6095	2000	2100	VOA	ENGL	KAV	105		03/30	10/25				
6095	2100	2200	VOA	ENGL	KAV	105		03/30	10/25				
6095	2200	2400	RFE	RU	KAV	96		03/30	10/25				
6105	0200	0300	RFE	RU	LAM	55		03/30	10/25				
6105	0300	0400	RFE	RU	HOL	59		03/30	10/25				
6105	1700	1900	VOA	RUSS	HOL	39		03/30	10/25				
6105	1900	1930	RFE	RU	HOL	59		03/30	10/25				
6105	1930	2200	RFE	RU	HOL	59		03/30	10/25				
6110	1100	1130	BBC	SPAN	GA	200	12345	05/30	10/25				
6110	1100	1130	BBC	SPAN	GA	200	12345	03/30	05/29				
6110	1100	1400	VOA	CHIN	PHT	332		03/30	10/25				
6110	1400	1500	VOA	CHIN	PHT	332		03/30	10/25				
6120	0400	0430	VOA	KNKR	ASC	85		03/30	10/25				
6120	1500	1600	VOA	VIET	IRA	73		03/30	10/25				
6130	0000	0100	VOA	ENGL	GA	145	23456	03/30	10/25				
6130	0100	0200	VOA	ENGL	GA	175	23456	03/30	10/25				
6130	0430	0500	VOA	CROA	BIB	126		03/30	10/25				
6130	1100	1130	BBC	SPAN	DL	115	12345	03/30	10/25				
6130	1300	1330	BBC	SPAN	DL	126	12345	03/30	10/25				
6130	1730	1800	RFE	SC	BIB	126		04/13	10/25				
6130	2200	2400	RFE	SC	LAM	120		03/30	10/25				
6140	1900	2000	FRD	PE	DB	264		03/30	6/5				
6145	0430	0500	VOA	PORT	ASC	102		03/30	10/25				
6160	1100	1300	VOA	ENGL	PHT	200		03/30	10/25				
6160	1300	1430	VOA	ENGL	PHT	270		6/1	6/2				
6160	1300	1500	VOA	ENGL	PHT	270		8/10	10/25				
6160	1300	1500	VOA	ENGL	PHT	270		03/30	05/31				
6160	1300	1330	VOA	VIET	IRA	73		6/3	10/25				
6160	1330	1500	VOA	KHME	IRA	73		6/1	8/9				
6160	1500	1530	VOA	ENGL	PHT	270		03/30	10/25				
6160	1530	1600	VOA	ENGL	PHT	270		03/30	10/25				
6160	1600	1800	VOA	ENGL	PHT	270		03/30	10/25				
6160	1900	2000	VOA	ENGL	KAV	100		03/30	10/25				
6170	0000	0200	RFE	KY	LAM	75		03/30	10/25				
6170	0300	0500	RFE	BR	BIB	63		04/14	10/25				
6170	0300	0500	RFE	BR	LAM	75		03/30	04/13				
6180	0400	0700	SAW	ARAB	WOF	180		05/23	10/25				
6180	0400	0700	SAW	ARAB	WOF	180		03/30	05/23				
6185	2330	2400	VOA	BURM	UDO	268		03/30	10/25				
7105	0300	0400	VOA	ENGL	ASC	115		03/30	10/25				
7105	1700	2100	SAW	ARAB	KAV	105		03/30	10/25				
7110	1400	1415	BBC	CROA	BIB	126	12345	03/30	10/25				
7115	0100	0300	VOA	ENGL	IRA	334		03/30	10/25				
7115	0300	0400	RFE	UK	LAM	75	123456	03/30	10/25				
7115	0400	0500	VOA	UKRA	BIB	85		03/30	10/25				
7115	0500	0600	RFE	UK	BIB	85	12345	03/30	10/25				
7115	1600	1700	RFE	SC	BIB	126		03/30	10/25				
7115	1800	1900	RFE	RO	BIB	105	12345	03/30	05/24				
7115	1900	2100	RFE	BR	BIB	63		03/30	10/25				
7120	0000	0100	RFE	RU	HOL	59		03/30	10/25				
7120	2300	2400	RFE	RU	HOL	59		03/30	10/25				
7125	1400	1800	VOA	ENGL	UDO	284		03/30	10/25				
7125	2100	2200	VOA	KORE	UDO	38		03/30	10/25				
7130	1800	1900	RFE	RO	BIB	105	12345	05/25	10/25				
7130	2200	2230	VOA	KHME	IRA	73		03/30	10/25				
7130	2230	2330	VOA	VIET	IRA	73		03/30	10/25				
7135	1500	1530	VOA	UZBE	UDO	321		4/10	10/25				
7135	2200	2400	RTM	ARAB	MOR	27		03/30	10/25				
7150	2200	2300	VOA	CHIN	IRK	152		03/30	10/25				
7155	0030	0100	VOA	HIND	IRA	356		03/30	10/25				
7155	0100	0200	VOA	URDU	MOR	67		03/30	10/25				
7155	0200	0400	RFE	RU	LAM	55		04/14	10/25				
7155	0200	0400	RFE	RU	WOF	75		03/30	04/13				
7155	1330	1430	VOA	KHME	PHX	285		8/10	10/25				
7155	1330	1430	VOA	KHME	PHX	285		03/30	05/31				
7155	1330	1430	VOA	KHME	PHX	285		6/1	8/9				
7155	1430	1500	VOA	BURM	PHX	285		6/1	8/9				
7155	1430	1500	VOA	BURM	PHX	285		8/10	10/25				
7155	1430	1500	VOA	BURM	PHX	285		03/30	05/31				
7155	1900	2000	RTG	ENGL	UDO	329		03/30	10/25				
7155	2100	2200	RFE	RU	KAV	26		03/30	10/25				
7165	0500	0600	RFE	UK	KAV	355	12345	04/14	10/25				
7165	0500	0600	RFE	UK	LAM	75	12345	03/30	04/13				
7165	1800	1900	RFE	UK	KAV	26		03/30	10/25				
7165	1900	1930	RFE	KO	BIB	126		03/30	10/25				
7165	2000	2100	RFE	SC	BIB	126		03/30	10/25				
7170	0000	0100	RFE	RU	LAM	75		03/30	10/25				
7170	0100	0200	RFE	KA	LAM	75		03/30	04/30				
7170	1700	1800	VOA	ENGL	PHT	150		03/30	10/25				
7170	2300	2400	RFE	RU	LAM	75		03/30	10/25				
7175	0300	0600	SAW	ARAB	LAM	104		03/30	10/25				
7175	1830	1900	VOA	CROA	BIB	105		03/30	10/25				
7185	0000	0300	SAW	ARAB	MOR	75		03/30	10/25				
7185	0300	0400	RFE	TU	DB	270		03/30	10/25				
7190	0000	0100	VOA	CHIN	UDO	30		04/21	10/25				
7190	0000	0100	VOA	CHIN	UDO	30		03/30	04/20				
7190	1700	1900	RFE	BR	BIB	63		03/30	10/25				
7190	2000	2030	VOA	UKRA	BIB	88		03/30	10/25				
7190	2200	2300	VOA	CHIN	UDO	30		04/21	10/25				
7190	2200	2300	VOA	CHIN	UDO	30		03/30	04/20				
7190	2300	2400	VOA	ENGL	UDO	30		03/30	10/25				
7195	0500	0630	VOA	ENGL	MOR	172	12345	03/30	10/25				
7195	0630	0700	VOA	ENGL	MOR	172	67	03/30	10/25				
7195	1500	1600	VOA	VIET	PHT	270		03/30	10/25				
7195	2100	2400	SAW	ARAB	KAV	105		03/30	10/25				
7200	0000	0100	VOA	TIBE	KAV	80		03/30	10/25				
7200	2200	2300	VOA	CHIN	UDO	30		04/21	10/25				
7200	2200	2300	VOA	CHIN	UDO	30		03/30	04/20				
7200	2300	2400	VOA	ENGL	UDO	30		03/30	10/25				
7205	0000	0300	SAW	ARAB	SAO	0		03/30	10/25				
7205	0100	0300	RFE	AB	JUL	108		05/31	10/25				
7205	0330	0400	VOA	TURK	BIB	105		04/28	10/25				
7205	2300	2400	SAW	ARAB	SAO	0		03/30	05/23				
7210	0300	0330	RFE	RO	BIB	105	12345	03/30	10/25				
7210	0430	0500	VOA	CROA	WOF	114		03/30	10/25				
7210	1400	1415	BBC	SERB	BIB	105	12345	03/30	10/25				
7210	2100	2130	VOA	SERB	BIB	126		03/30	10/25				
7215	0000	0030</											

7220	2200	2400	RFE	RU	LAM	55	03/30	10/25	9510	1330	1430	VOA	URDU	IRA	340	03/30	10/25
7225	1230	1300	VOA	LAO	PHT	275	03/30	10/25	9510	1430	1500	VOA	INDO	SAI	225 5	10/23	10/25
7225	2200	2330	VOA	INDO	UDO	154	03/30	10/25	9510	1430	1500	VOA	INDO	UDO	130 5	03/30	10/25
7225	2330	2400	VOA	ENGL	UDO	154	03/30	10/25	9510	2200	2300	VOA	CHIN	PHT	332	03/30	10/25
7230	0100	0300	RFE	KA	KAV	51	5/1	10/25	9515	0300	0345	BBC	SPAN	DL	125	03/30	10/25
7235	1200	1300	VOA	KORE	TIN	325	03/30	10/25	9515	0345	0400	BBC	SPAN	DL	125 23456	03/30	10/25
7235	1300	1400	VOA	KORE	TIN	325	03/30	10/25	9520	0000	0100	RFE	RU	KAV	26	03/30	10/25
7235	1430	1530	VOA	PASH	UDO	300	03/30	10/25	9520	0200	0300	RFE	RU	LAM	75	03/30	10/25
7235	1530	1630	VOA	DARI	UDO	300	03/30	10/25	9520	0300	0400	RFE	RU	BIB	63	03/30	10/25
7245	2000	2100	RFE	SC	WOF	58	03/30	10/25	9520	0400	0500	RFE	RU	LAM	55	03/30	10/25
7245	2100	2300	RFE	RU	LAM	75	03/30	10/25	9520	0500	0800	RFE	RU	HOL	57	03/30	10/25
7250	2300	2400	RFE	KA	KAV	51	03/30	10/25	9520	1500	1600	RFE	RU	WOF	66	03/30	10/25
7255	0000	0100	VOA	TIBE	UDO	324	04/21	10/25	9520	1600	1700	RFE	RU	LAM	75	4/2	10/25
7255	0000	0100	VOA	TIBE	UDO	324	03/30	04/20	9520	1600	1700	RFE	RU	LAM	75	03/30	4/1
7255	0200	0300	RFE	RU	LAM	55	03/30	10/25	9520	1700	1900	VOA	RUSS	LAM	75	4/2	10/25
7260	1100	1115	RTG	VIET	UDO	144	03/30	10/25	9520	1700	1900	VOA	RUSS	LAM	75	03/30	4/1
7260	1115	1130	RTG	KHME	UDO	144	03/30	10/25	9520	1900	2000	RFE	RU	LAM	75	4/2	10/25
7260	1130	1230	VOA	INDO	UDO	144	03/30	10/25	9520	1900	2000	RFE	RU	LAM	75	03/30	4/1
7260	1500	1530	VOA	UZBE	UDO	321	03/30	4/9	9520	2000	2400	RFE	RU	KAV	26	03/30	10/25
7260	1900	2000	VOA	ENGL	KAV	105	03/30	10/25	9525	1130	1200	VOA	CREO	GB	164 12345	4/6	10/25
7260	2000	2200	RFE	RU	PHT	21	03/30	10/25	9525	1230	1300	VOA	CREO	GB	164 12345	03/30	4/5
7260	2200	2230	VOA	KHME	PHT	270	03/30	10/25	9525	1900	2000	VOA	ENGL	PHT	150	03/30	10/25
7260	2230	2330	VOA	VIET	PHT	270	03/30	10/25	9530	0400	0700	VOA	ENGL	WOF	180	03/30	10/25
7260	2330	2400	VOA	ENGL	PHT	270	03/30	10/25	9530	1900	2100	RFE	RU	LAM	55	03/30	10/25
7275	0200	0300	RFE	AR	KAV	51	03/30	10/25	9530	2100	2200	VOA	ENGL	KAV	172	03/30	10/25
7280	1600	1700	VOA	BANG	IRA	25	03/30	10/25	9535	1130	1200	VOA	SPAN	GA	175	03/30	10/25
7280	1700	1800	VOA	PERS	KAV	105	03/30	10/25	9535	2200	2330	VOA	INDO	UDO	166	03/30	10/25
7280	1800	1900	VOA	PERS	KAV	105	03/30	10/25	9545	0000	0100	VOA	CHIN	PHT	332	03/30	10/25
7290	0300	0430	VOA	ENGL	SAO	138	03/30	10/25	9545	0100	0300	VOA	CHIN	PHT	332	03/30	10/25
7290	0430	0600	VOA	ENGL	SAO	138	03/30	10/25	9545	1200	1300	VOA	CHIN	TIN	303	03/30	10/25
7290	0600	0630	VOA	ENGL	SAO	20 12345	03/30	10/25	9545	1300	1400	VOA	KORE	TIN	319	8/10	10/25
7295	0000	0200	RFE	KY	MOR	59	03/30	10/25	9545	1300	1400	VOA	KORE	TIN	321	6/1	8/9
7295	0200	0300	RFE	TU	DB	270	03/30	10/25	9545	1300	1400	VOA	KORE	TIN	319	03/30	05/31
7295	0300	0400	RFE	BR	KAV	335	03/30	10/25	9545	2200	2300	VOA	CHIN	PHT	332	03/30	10/25
7295	0400	0500	RFE	BR	BIB	63	03/30	10/25	9545	2300	2400	VOA	ENGL	PHT	332	03/30	10/25
7340	0300	0330	VOA	ENGL	BOT	10	03/30	10/25	9550	1900	2000	VOA	ENGL	LAM	108 12345	03/30	10/25
7340	0330	0400	VOA	KNKR	BOT	10	03/30	10/25	9555	0200	0400	RFE	TU	KAV	88	03/30	10/25
7340	0400	0430	VOA	KNKR	BOT	10	03/30	10/25	9555	0730	0800	RFE	SC	BIB	105	03/30	10/25
7340	0430	0500	VOA	PORT	BOT	10	03/30	10/25	9555	1300	1330	RFE	SC	BIB	105	03/30	10/25
7365	0000	0300	OCB	SPAN	GB	164	03/30	10/25	9560	0100	0200	VOA	SPAN	DL	120	03/30	10/25
7365	0300	0400	OCB	SPAN	GB	164 234567	03/30	10/25	9565	0900	1300	OCB	SPAN	GA	190	03/30	10/25
7365	1900	2000	FRD	PE	DB	264	6/6	10/25	9565	1500	1700	RFE	BR	JUL	70	03/30	10/25
7365	2300	2400	OCB	SPAN	GB	164	03/30	10/25	9565	1700	2200	OCB	SPAN	GA	190	03/30	10/25
7370	1000	1100	VOA	ENGL	GA	146	03/30	10/25	9570	0000	0030	RTG	ENGL	UDO	256	03/30	10/25
7370	1200	1230	VOA	SPAN	DL	116	03/30	10/25	9575	0000	0300	SAW	ARAB	KAV	105	03/30	4/5
7405	0000	0130	VOA	ENGL	GB	172 23456	03/30	10/25	9575	0300	0430	VOA	ENGL	GA	94	05/30	10/25
7405	0130	0200	VOA	ENGL	GB	172 23456	03/30	10/25	9575	0300	0430	VOA	ENGL	GA	94	03/30	05/29
7405	0300	0900	OCB	SPAN	GA	205 234567	03/30	10/25	9575	0430	0500	VOA	ENGL	GA	94	05/30	10/25
7405	1200	1400	OCB	SPAN	DL	100	03/30	10/25	9575	0430	0500	VOA	ENGL	GA	94	03/30	05/29
7430	0000	0030	RFE	DA	IRA	334	03/30	10/25	9575	1000	1300	VOA	CHIN	TIN	303	8/10	10/25
7430	2230	2330	RFE	PA	IRA	334	03/30	10/25	9575	1000	1300	VOA	CHIN	TIN	305	6/1	8/9
7430	2330	2400	RFE	DA	IRA	334	03/30	10/25	9575	1000	1300	VOA	CHIN	TIN	303	03/30	05/31
7475	0000	0400	ERT	VAR	KAV	240	03/30	10/25	9575	1300	1400	VOA	CANT	SAI	285	03/30	10/25
7475	2300	2400	ERT	VAR	KAV	240	03/30	10/25	9575	1400	1500	VOA	CANT	SAI	310	03/30	10/25
9420	1400	2100	ERT	VAR	KAV	355	03/30	10/25	9575	1600	1630	VOA	ALBA	BIB	126	03/30	10/25
9420	2100	2300	ERT	VAR	KAV	105	03/30	10/25	9585	1430	1500	VOA	INDO	UDO	144 5	03/30	10/25
9435	1400	1700	FRD	PE	KAV	88	03/30	10/25	9590	1000	1100	VOA	ENGL	GA	145	03/30	10/25
9435	1730	1800	VOA	AZER	KAV	88	03/30	4/9	9590	1500	1530	VOA	ENGL	PHT	283	03/30	10/25
9455	0000	0200	VOA	ENGL	GA	164 23456	05/30	10/25	9590	1530	1600	VOA	ENGL	PHT	283	03/30	10/25
9455	0000	0200	VOA	ENGL	GA	164 23456	03/30	05/29	9595	0200	0300	RFE	AR	MOR	67	5/1	10/25
9505	1300	1330	VOA	VIET	IRA	73	03/30	10/25	9595	0200	0300	RFE	AR	MOR	67	03/30	04/30
9505	1500	1530	RFE	RO	BIB	105	03/30	10/25	9595	0300	0330	RFE	RO	MOR	59 12345	03/30	10/25
9505	1600	1700	RFE	AR	JBR	108	06/15	10/25	9595	0400	0500	RFE	GE	MOR	67	03/30	10/25
9505	1600	1700	RFE	AR	WOF	102	03/30	06/14	9595	1400	1500	RFE	RU	HOL	59	03/30	10/25
9505	1800	2300	SAW	ARAB	WOF	180	05/23	10/25	9595	1600	1700	RFE	UZ	UDO	316	4/6	10/25
9505	1800	2300	SAW	ARAB	WOF	180	03/30	05/23	9595	1700	1800	RFE	UZ	UDO	316	03/30	10/25
9505	2330	2400	VOA	BURM	IRA	57	03/30	10/25	9595	1800	1900	VOA	TURK	IRA	310	03/30	10/25
9510	0400	0830	FRD	PE	KAV	92	03/30	10/25	9615	0030	0200	FRD	PE	BIB	85	03/30	10/25

9615	0230	0330	RFE	PA	HOL	77	10/23	10/25	9760	0300	0400	RFE	TA	JBR	75	06/15	10/25		
9615	0330	0430	RFE	DA	HOL	77	10/23	10/25	9760	0400	0600	RFE	RU	LAM	75	03/30	10/25		
9615	1700	1900	VOA	RUSS	WOF	66	03/30	10/25	9760	0600	0700	VOA	ENGL	MOR	99	03/30	10/25		
9615	1900	2000	RFE	RU	MOR	43	03/30	10/25	9760	1100	1500	VOA	ENGL	PHT	21	03/30	10/25		
9615	2000	2200	RFE	AB	MOR	35	03/30	10/25	9760	1100	1500	VOA	ENGL	PHT	270	03/30	10/25		
9615	2200	2300	RFE	RU	HOL	77	03/30	10/25	9760	1500	1530	VOA	ENGL	PHT	270	03/30	10/25		
9615	2300	2400	RFE	KA	KAV	51	03/30	10/25	9760	1530	1600	VOA	ENGL	PHT	270	03/30	10/25		
9620	2200	2330	VOA	INDO	PHT	200	03/30	10/25	9760	1600	1700	VOA	ENGL	PHT	270	03/30	10/25		
9625	1730	1900	RFE	SC	BIB	105	03/30	10/25	9760	1700	2100	VOA	ENGL	MOR	75	03/30	10/25		
9635	0100	0300	VOA	ENGL	KAV	92	03/30	10/25	9760	2100	2200	VOA	ENGL	WOF	102	03/30	10/25		
9635	0300	0500	RFE	BR	MOR	43	03/30	10/25	9770	0000	0030	VOA	ENGL	PHT	270	03/30	10/25		
9635	0600	0800	RFE	RU	LAM	55	6/9	10/25	9770	0030	0100	VOA	ENGL	PHT	270	03/30	10/25		
9635	2200	2400	RFE	SC	MOR	59	03/30	10/25	9770	1000	1200	VOA	ENGL	DL	272	03/30	10/25		
9645	1100	1400	VOA	ENGL	UDO	130	03/30	10/25	9770	1700	1800	VOA	ENGL	PHT	21	12345	03/30	10/25	
9645	1700	1800	VOA	ENGL	IRA	25	03/30	10/25	9770	1800	1900	VOA	ENGL	KAV	100	03/30	10/25		
9650	1900	2000	RFE	TB	KAV	51	03/30	10/25	9770	1900	2100	VOA	ENGL	KAV	172	03/30	10/25		
9665	0100	0200	RFE	KA	MOR	59	03/30	04/30	9770	2200	2400	VOA	ENGL	PHT	270	03/30	10/25		
9670	1300	1330	BBC	SPAN	DL	125	12345	03/30	10/25	9775	0000	0130	VOA	ENGL	GB	183	23456	03/30	10/25
9670	1830	1900	VOA	CROA	WOF	102	03/30	10/25	9775	0130	0200	VOA	ENGL	GB	183	23456	03/30	10/25	
9680	0030	0100	VOA	HIND	KAV	95	03/30	10/25	9775	0200	0400	FRD	PE	KAV	95	03/30	10/25		
9680	0100	0300	RFE	KA	MOR	59	5/1	10/25	9780	1500	1600	VOA	VIET	PHT	270	03/30	10/25		
9680	0300	0400	RFE	AZ	KAV	80	03/30	10/25	9780	1900	2000	VOA	PERS	IRA	315	5	03/30	10/25	
9680	1700	1800	VOA	PERS	KAV	95	03/30	10/25	9785	0000	0030	RFE	DA	KAV	95	03/30	10/25		
9680	1800	1900	VOA	PERS	KAV	95	03/30	10/25	9785	0200	0400	RFE	UZ	BIB	75	03/30	10/25		
9680	1900	2000	VOA	ENGL	UDO	311	03/30	10/25	9785	1700	1800	VOA	ENGL	PHT	270	12345	03/30	10/25	
9680	2000	2015	RTG	GERM	UDO	321	03/30	10/25	9785	2230	2330	RFE	PA	KAV	95	03/30	10/25		
9680	2015	2030	RTG	FREN	UDO	321	03/30	10/25	9785	2330	2400	RFE	DA	KAV	95	03/30	10/25		
9680	2030	2045	RTG	ENGL	UDO	321	03/30	10/25	9790	1500	1700	RFE	TA	KAV	95	03/30	10/25		
9680	2045	2115	RTG	THAI	UDO	313	03/30	10/25	9795	0030	0600	FRD	PE	LAM	104	03/30	10/25		
9695	0000	0300	SAW	ARAB	KAV	105	4/6	10/25	9805	0030	0400	FRD	PE	MOR	75	03/30	10/25		
9695	1300	1400	VOA	KURD	KAV	105	03/30	10/25	9805	0400	0700	OCB	SPAN	GB	183	234567	03/30	10/25	
9695	1800	1900	RTG	THAI	UDO	284	03/30	10/25	9805	0700	0900	OCB	SPAN	DL	100	234567	03/30	10/25	
9700	1130	1230	VOA	INDO	UDO	182	03/30	10/25	9805	0900	1300	OCB	SPAN	DL	100	03/30	10/25		
9700	1230	1300	RTG	ENGL	UDO	132	03/30	04/14	9805	1700	1715	RFE	RU	BIB	88	03/30	10/25		
9700	1500	1800	VOA	ENGL	HOL	77	03/30	10/25	9805	1715	1730	RFE	AV	BIB	88	03/30	10/25		
9705	0400	0500	VOA	KURD	BIB	105	03/30	10/25	9805	1730	1745	RFE	CH	BIB	88	03/30	10/25		
9705	0500	0800	RFE	RU	LAM	55	03/30	6/8	9805	1745	1800	RFE	CI	BIB	88	03/30	10/25		
9705	1800	1900	RFE	AB	JUL	108	03/30	04/13	9815	0300	0400	RFE	TB	HOL	55	03/30	10/25		
9705	1930	2000	VOA	SERB	BIB	105	03/30	10/25	9815	1500	1600	RFE	RU	LAM	55	03/30	5/3		
9705	2000	2100	RFE	RU	LAM	75	4/2	04/13	9815	1630	1700	VOA	SWAH	BOT	10	03/30	10/25		
9705	2000	2100	RFE	RU	LAM	75	03/30	4/1	9815	1700	1730	VOA	SWAH	BOT	10	12345	03/30	10/25	
9705	2100	2400	VOA	ENGL	UDO	144	4/4	10/25	9815	1730	1800	VOA	PORT	BOT	10	03/30	10/25		
9705	2100	2400	VOA	ENGL	UDO	144	03/30	4/3	9815	1800	1830	VOA	PORT	BOT	10	12345	03/30	10/25	
9710	0300	0400	RFE	UK	MOR	51	123456	03/30	10/25	9815	1830	1900	VOA	FREN	BOT	10	03/30	10/25	
9710	1330	1500	VOA	KHME	TIN	271	6/1	8/9	9815	1900	2000	VOA	FREN	BOT	10	03/30	10/25		
9710	1500	1530	VOA	HAUS	SAO	20	03/30	10/25	9815	2000	2030	VOA	FREN	BOT	10	03/30	10/25		
9710	1530	1600	VOA	HAUS	SAO	20	4/9	04/22	9815	2030	2100	VOA	FREN	BOT	10	67	03/30	10/25	
9715	0000	0200	RFE	KY	KAV	51	03/30	10/25	9815	2030	2100	VOA	HAUS	BOT	10	12345	03/30	10/25	
9715	2100	2200	RFE	RU	HOL	77	03/30	10/25	9815	2100	2130	VOA	FREN	BOT	10	12345	03/30	10/25	
9720	1130	1200	VOA	BURM	TIN	280	06/13	10/25	9825	1300	1400	VOA	KURD	KAV	104	03/30	10/25		
9720	1130	1200	VOA	BURM	IRA	57	08/21	10/25	9825	1400	1700	RFE	AB	KAV	104	03/30	10/25		
9720	1130	1200	VOA	BURM	IRA	57	03/30	6/12	9825	2000	2100	RFE	RU	LAM	75	04/14	10/25		
9720	1330	1430	VOA	KHME	PHT	283	8/10	10/25	9830	1400	1430	RTG	ENGL	UDO	132	03/30	10/25		
9720	1330	1430	VOA	KHME	PHT	283	03/30	05/31	9830	1600	1700	VOA	ENGL	SAO	335	4/6	10/25		
9720	1330	1430	VOA	KHME	PHT	283	6/1	8/9	9830	1700	1800	VOA	PORT	SAO	335	4/6	10/25		
9720	1430	1500	VOA	BURM	PHT	283	03/30	10/25	9830	1800	1830	VOA	PORT	SAO	335	12345	4/6	10/25	
9725	1500	1700	RFE	RU	BIB	65	03/30	10/25	9830	1830	1900	VOA	FREN	SAO	335	4/6	10/25		
9730	0100	0600	RFE	AB	KAV	108	03/30	10/25	9830	1900	2000	VOA	FREN	SAO	335	4/6	10/25		
9735	0100	0200	VOA	SPAN	DL	120	03/30	10/25	9830	2000	2030	VOA	FREN	SAO	335	4/6	10/25		
9740	0330	0400	VOA	TURK	BIB	105	04/28	10/25	9830	2030	2100	VOA	FREN	SAO	335	67	4/6	10/25	
9740	1600	1700	VOA	BANG	PHT	283	03/30	10/25	9830	2030	2100	VOA	HAUS	SAO	335	12345	4/6	10/25	
9740	1730	1800	VOA	AZER	KAV	88	4/10	10/25	9830	2100	2130	VOA	FREN	SAO	335	12345	4/6	10/25	
9740	1800	1900	RFE	AB	JUL	108	04/14	10/25	9835	0100	0200	VOA	URDU	KAV	95	03/30	10/25		
9750	1400	1500	VOA	CHIN	UDO	30	04/21	10/25	9835	0300	0400	VOA	PERS	MOR	75	03/30	10/25		
9750	1400	1500	VOA	CHIN	UDO	30	03/30	04/20	9840	1830	1900	VOA	ALBA	BIB	105	03/30	10/25		
9750	1900	2100	RFE	BR	HOL	57	03/30	10/25	9840	1900	2000	VOA	ENGL	UDO	308	12345	03/30	10/25	
9760	0100	0300	RFE	TA	LAM	75	06/15	10/25	9845	1300	1400	VOA	CHIN	PHT	349	03/30	10/25		
9760	0100	0400	RFE	TA	LAM	75	03/30	06/14	9845	1400	1500	VOA	CHIN	PHT	349	03/30	10/25		

9845	1500	1530	VOA ENGL	PHT	349	03/30	10/25	11725	0300	0400	RFE RU	MOR	51	03/30	10/25		
9845	1530	1600	VOA ENGL	PHT	349	03/30	10/25	11725	0400	0500	RFE RU	LAM	75	03/30	10/25		
9845	1630	1730	RFE PA	UDO	300	03/30	10/25	11725	1000	1100	RFE RU	LAM	75	04/14	10/25		
9845	1730	1830	RFE DA	UDO	300	03/30	10/25	11725	1300	1400	VOA RUSS	HOL	57	5/12	10/25		
9850	0400	0415	RFE RU	MOR	67	03/30	10/25	11725	1300	1400	VOA RUSS	WOF	66	03/30	5/11		
9850	0415	0430	RFE AV	MOR	67	03/30	10/25	11725	1400	1500	RFE RU	LAM	55	5/12	10/25		
9850	0430	0445	RFE CH	MOR	67	03/30	10/25	11725	1400	1500	RFE RU	WOF	66	03/30	5/11		
9850	0445	0500	RFE CI	MOR	67	03/30	10/25	11725	1500	1700	RFE BR	BIB	65	03/30	10/25		
9850	1600	1700	VOA ENGL	SAO	138	03/30	10/25	11730	1200	1500	ERT VAR	DL	75	03/30	10/25		
9850	1700	1800	VOA ENGL	SAO	138	03/30	10/25	11730	1700	1900	RFE BR	LAM	55	03/30	10/25		
9850	1800	2200	VOA ENGL	SAO	138	03/30	10/25	11730	2200	2400	RFE SC	MOR	59	04/23	10/25		
9850	2200	2230	VOA ENGL	SAO	138	12345	03/30	10/25	11730	2200	2400	RFE SC	MOR	59	03/30	04/22	
9855	0500	0700	SAW ARAB	KAV	240	05/23	10/25	11735	0130	0200	VOA BANG	IRA	33	03/30	10/25		
9855	0500	0700	SAW ARAB	KAV	240	03/30	05/23	11735	1600	1630	BBC UKRA	LAM	75	03/30	10/25		
9855	1700	1800	RFE UK	BIB	63	03/30	10/25	11735	1630	1700	BBC ENGL	LAM	75	03/30	10/25		
9855	1800	2000	SAW ARAB	MOR	37	6/3	10/25	11745	1800	2300	SAW ARAB	IRA	299	05/23	10/25		
9860	1230	1300	RTG ENGL	UDO	132	04/15	10/25	11745	1800	2300	SAW ARAB	IRA	299	03/30	05/23		
9860	1300	1330	VOA VIET	PHT	283	03/30	10/25	11760	0000	0030	VOA ENGL	PHT	200	03/30	10/25		
9865	0100	0600	RFE AB	MOR	75	03/30	10/25	11760	0030	0100	VOA ENGL	PHT	200	03/30	10/25		
9865	1700	1800	RFE AB	JUL	108	03/30	10/25	11760	2200	2400	VOA ENGL	PHT	200	03/30	10/25		
9865	2300	2400	RFE KA	IRA	356	03/30	10/25	11770	1400	1500	RFE RU	LAM	55	03/30	5/11		
9870	1600	1630	RFE RO	JUL	102	03/30	10/25	11770	1500	1530	RFE RO	LAM	104	03/30	04/23		
9870	1630	1700	RFE RO	JUL	102	12345	03/30	10/25	11770	1600	1630	RFE RO	LAM	104	03/30	04/23	
9885	0100	0200	VOA SPAN	GA	190	03/30	10/25	11770	1630	1700	RFE RO	LAM	104	12345	03/30	04/23	
9885	0300	0430	VOA ENGL	BOT	350	03/30	10/25	11770	1700	1900	VOA RUSS	KAV	51	03/30	10/25		
9885	0430	0500	VOA PORT	BOT	350	03/30	10/25	11770	1900	2000	VOA ENGL	PHT	150	03/30	10/25		
9885	0500	0530	VOA HAUS	BOT	350	03/30	10/25	11775	0000	0300	OCB SPAN	GB	184	03/30	10/25		
9885	0530	0600	VOA FREN	BOT	350	12345	03/30	10/25	11775	0300	0700	OCB SPAN	GB	184	234567	03/30	10/25
9885	0600	0630	VOA FREN	BOT	350	12345	03/30	10/25	11775	1300	1400	VOA RUSS	HOL	57	03/30	5/11	
9890	1130	1230	VOA INDO	PHT	200	03/30	10/25	11780	0400	0415	RFE RU	HOL	77	03/30	10/25		
9960	2000	2130	FRD PE	IRA	318	03/30	10/25	11780	0415	0430	RFE AV	HOL	77	03/30	10/25		
11660	0100	0300	RFE TA	LAM	75	5/1	10/25	11780	0430	0445	RFE CH	HOL	77	03/30	10/25		
11660	0100	0400	RFE TA	UDO	313	03/30	04/30	11780	0445	0500	RFE CI	HOL	77	03/30	10/25		
11660	0300	0400	RFE TA	UDO	313	5/1	10/25	11780	0500	0600	RFE UK	MOR	51	12345	6/9	10/25	
11665	1700	1730	VOA SERB	BIB	105	03/30	05/23	11780	1430	1500	VOA GEOR	KAV	95	03/30	10/25		
11665	1730	1800	VOA AZER	LAM	92	4/2	10/25	11780	1900	2000	VOA ENGL	BIB	105	12345	03/30	10/25	
11665	1730	1800	VOA AZER	LAM	92	03/30	4/1	11785	0000	0300	SAW ARAB	MOR	75	03/30	10/25		
11670	1900	2000	FRD PE	KAV	95	03/30	10/25	11785	1100	1400	VOA CHIN	UDO	30	04/21	10/25		
11670	2100	2130	VOA SERB	MOR	59	03/30	10/25	11785	1100	1400	VOA CHIN	UDO	30	03/30	04/20		
11680	0300	0600	SAW ARAB	MOR	75	03/30	10/25	11785	1800	2300	SAW ARAB	WOF	158	05/23	10/25		
11680	1030	1045	BBC SERB	BIB	126	03/30	10/25	11785	1800	2300	SAW ARAB	WOF	158	03/30	05/23		
11680	1400	1500	RFE AR	JUL	100	03/30	10/25	11790	1600	1800	SAW ARAB	MOR	37	6/3	10/25		
11680	1500	1530	VOA ARME	BIB	88	5/4	10/25	11795	1300	1330	RFE SC	BIB	105	03/30	10/25		
11680	1500	1530	VOA ARME	BIB	88	03/30	5/3	11805	0100	0200	VOA URDU	UDO	300	03/30	10/25		
11685	1330	1400	RTG THAI	UDO	54	03/30	10/25	11805	0400	0500	VOA UKRA	MOR	51	03/30	10/25		
11690	0000	0100	VOA TIBE	UDO	324	04/21	10/25	11805	0500	0530	VOA ALBA	MOR	59	03/30	10/25		
11690	0000	0100	VOA TIBE	UDO	324	03/30	04/20	11805	0530	0600	VOA SERB	MOR	59	03/30	10/25		
11690	0400	0500	VOA KURD	LAM	108	03/30	4/9	11805	0600	0700	VOA ENGL	KAV	240	04/14	10/25		
11690	1800	1830	VOA AMHA	KAV	172	03/30	10/25	11805	0600	0700	VOA ENGL	KAV	240	03/30	04/13		
11690	1830	1845	VOA TIGR	KAV	172	12345	03/30	10/25	11805	1000	1100	RTG THAI	UDO	138	04/14	10/25	
11690	1830	1845	VOA AMHA	KAV	172	67	03/30	10/25	11805	1000	1100	RTG THAI	UDO	138	03/30	04/13	
11690	1845	1900	VOA OROM	KAV	172	12345	03/30	10/25	11805	1200	1215	RTG MALA	UDO	154	03/30	10/25	
11690	1845	1900	VOA AMHA	KAV	172	67	03/30	10/25	11805	1215	1230	RTG INDO	UDO	154	03/30	10/25	
11690	1900	2000	RFE GE	IRA	332	03/30	10/25	11805	1230	1330	VOA CHIN	TIN	311	6/1	8/9		
11695	0000	0100	VOA ENGL	GA	146	23456	03/30	10/25	11805	1230	1400	VOA CHIN	TIN	313	03/30	05/31	
11705	0100	0300	VOA ENGL	IRA	348	03/30	10/25	11805	1230	1400	VOA CHIN	TIN	313	8/10	10/25		
11705	1400	1500	VOA TIBE	PHT	315	03/30	10/25	11805	1400	1500	VOA CHIN	TIN	313	8/10	10/25		
11705	1600	1700	VOA HIND	PHT	283	03/30	10/25	11805	1400	1500	VOA CHIN	TIN	313	03/30	05/31		
11705	1700	1900	FRD PE	LAM	108	03/30	10/25	11805	1500	1900	RFE AB	LAM	108	03/30	10/25		
11710	0400	0500	RFE RU	JBR	55	06/15	10/25	11805	2200	2330	VOA INDO	PHT	200	03/30	10/25		
11710	0400	0500	RFE RU	WOF	75	03/30	06/14	11805	2330	2400	VOA ENGL	PHT	200	03/30	10/25		
11715	1800	1900	RFE UK	BIB	63	03/30	10/25	11815	0100	0200	VOA SPAN	DL	120	03/30	10/25		
11720	1730	1930	PBS ENGL	PHT	283	03/30	10/25	11815	0500	0800	RFE RU	LAM	55	6/8	10/25		
11720	2000	2030	VOA FREN	MOR	160	03/30	10/25	11815	0500	0600	RFE UK	MOR	51	12345	04/14	6/8	
11720	2030	2100	VOA FREN	MOR	160	67	03/30	10/25	11815	0500	0600	RFE UK	MOR	51	12345	03/30	04/13
11720	2030	2100	VOA HAUS	MOR	160	12345	03/30	10/25	11815	0600	0800	RFE RU	LAM	75	03/30	6/8	
11720	2100	2130	VOA FREN	MOR	160	12345	03/30	10/25	11815	1600	1700	RFE UZ	UDO	316	03/30	4/5	
11725	0100	0300	VOA ENGL	UDO	280	03/30	10/25	11815	1700	1800	RFE UZ	LAM	75	03/30	10/25		

11815	1900	2000	VOA	PERS	IRA	324	5	03/30	10/25	11905	1800	1900	VOA	KURD	IRA	316	03/30	10/25	
11815	2300	2400	SAW	ARAB	KAV	208		03/30	05/23	11910	0300	0400	RFE	AB	JUL	108	03/30	10/25	
11820	0030	0100	VOA	HIND	UDO	300		03/30	10/25	11910	0400	0700	SAW	ARAB	KAV	208	05/23	10/25	
11820	0100	0300	VOA	ENGL	KAV	95		03/30	10/25	11910	0400	0700	SAW	ARAB	KAV	208	03/30	05/23	
11820	0300	0400	RFE	TB	KAV	51		03/30	10/25	11910	1900	1930	RFE	KO	MOR	59	03/30	10/25	
11825	0500	0530	VOA	ALBA	MOR	59		03/30	10/25	11910	1930	2000	VOA	SERB	MOR	59	03/30	10/25	
11825	0530	0600	VOA	SERB	MOR	59		03/30	10/25	11910	2000	2030	VOA	UKRA	MOR	51	03/30	10/25	
11825	0900	1300	VOA	CHIN	PHT	349		03/30	10/25	11910	2100	2130	VOA	SERB	MOR	59	03/30	10/25	
11825	1330	1400	VOA	CHIN	TIN	309		03/30	10/25	11920	0000	0500	RTM	ARAB	MOR	83	03/30	10/25	
11825	1700	2400	SAW	ARAB	KAV	104		03/30	4/9	11925	0000	0100	VOA	CHIN	PHT	349	03/30	10/25	
11830	0000	0100	VOA	CHIN	PHT	349		03/30	10/25	11925	0100	0300	VOA	CHIN	PHT	349	03/30	10/25	
11830	0100	0300	VOA	CHIN	PHT	349		03/30	10/25	11925	1130	1230	VOA	SPAN	GA	164	03/30	10/25	
11835	0300	0430	VOA	ENGL	BOT	350		03/30	10/25	11925	1600	1700	RFE	SC	MOR	59	03/30	10/25	
11835	0300	0500	BBC	ENGL	DL	121		03/30	10/25	11925	1700	1715	RFE	RU	KAV	51	03/30	10/25	
11835	0430	0630	VOA	ENGL	BOT	350		03/30	10/25	11925	1715	1730	RFE	AV	KAV	51	03/30	10/25	
11835	0630	0700	VOA	ENGL	BOT	350	67	03/30	10/25	11925	1730	1745	RFE	CH	KAV	51	03/30	10/25	
11835	1800	1900	RFE	RO	BIB	105	12345	03/30	04/23	11925	1745	1800	RFE	CI	KAV	51	03/30	10/25	
11840	1400	1700	SAW	ARAB	KAV	240		03/30	05/23	11925	1800	1900	VOA	TURK	LAM	104	4/2	10/25	
11840	2330	2400	VOA	BURM	PHT	270		03/30	10/25	11925	1800	1900	VOA	TURK	LAM	104	03/30	4/1	
11845	0100	0200	RFE	KA	KAV	51		03/30	04/30	11925	1900	2000	RFE	TB	KAV	51	03/30	10/25	
11845	1300	1700	OCB	SPAN	GA	205		03/30	10/25	11925	2200	2300	VOA	CHIN	UDO	30	04/21	10/25	
11845	1400	1500	RFE	KY	KAV	51		03/30	10/25	11925	2200	2300	VOA	CHIN	UDO	30	03/30	04/20	
11845	1700	1800	FRD	PE	IRA	315		03/30	10/25	11925	2300	2400	VOA	ENGL	UDO	30	03/30	10/25	
11845	1800	1900	FRD	PE	IRA	324		03/30	10/25	11930	0400	0600	RFE	AB	JUL	108	03/30	10/25	
11850	1130	1200	VOA	BURM	IRA	57		03/30	10/25	11930	0800	1000	VOA	ENGL	TIN	325	03/30	10/25	
11850	1300	1315	RTG	JAPA	UDO	54		03/30	10/25	11930	1200	1230	RFE	KY	IRA	340	03/30	10/25	
11850	1315	1330	RTG	MAND	UDO	30		03/30	10/25	11930	1230	1300	VOA	LAO	PHT	283	03/30	10/25	
11855	0430	0500	VOA	CROA	BIB	126		03/30	10/25	11930	1300	1330	RFE	KY	UDO	316	03/30	10/25	
11855	1700	1730	BBC	AZER	BIB	85		03/30	10/25	11930	1400	2300	OCB	SPAN	GA	164	03/30	10/25	
11855	2000	2030	VOA	ENGL	ASC	27		03/30	10/25	11955	0330	0400	VOA	TURK	LAM	104	04/28	10/25	
11860	0700	0800	RFE	RU	PHT	21		03/30	10/25	11960	1500	1600	RFE	KY	KAV	51	03/30	10/25	
11860	0800	1000	RFE	RU	PHT	21		03/30	10/25	11960	2000	2130	FRD	PE	UDO	300	4/4	10/25	
11860	1000	1100	RFE	RU	PHT	21		03/30	10/25	11960	2000	2130	FRD	PE	UDO	300	03/30	4/3	
11865	1300	1500	VOA	CANT	TIN	313		8/10	10/25	11965	0400	0700	VOA	ENGL	KAV	95	04/14	10/25	
11865	1300	1500	VOA	CANT	TIN	313		6/1	8/9	11965	0400	0700	VOA	ENGL	KAV	95	03/30	04/13	
11865	1300	1500	VOA	CANT	TIN	313		03/30	05/31	11965	1100	1400	VOA	CHIN	PHT	332	03/30	10/25	
11865	1600	1630	RFE	RO	BIB	105		04/24	10/25	11965	1400	1500	VOA	CHIN	PHT	332	03/30	10/25	
11865	1630	1700	RFE	RO	BIB	105	12345	04/24	10/25	11965	1600	1700	VOA	BANG	PHT	283	4/9	10/25	
11865	1800	1900	RFE	AZ	BIB	88		03/30	10/25	11965	1600	1700	VOA	BANG	PHT	283	03/30	4/8	
11865	1900	2100	RFE	BR	WOF	70		03/30	10/25	11970	0730	0800	RFE	SC	LAM	120	6/9	10/25	
11870	1100	1200	RFE	KA	UDO	324		03/30	10/25	11970	0730	0800	RFE	SC	LAM	120	03/30	6/8	
11870	2100	2200	VOA	ENGL	PHT	150		03/30	10/25	11970	1900	2000	VOA	ENGL	PHT	315	12345	03/30	10/25
11875	1000	1100	RFE	RU	LAM	75		03/30	04/13	11975	1400	1500	VOA	TIBE	ERV	100	03/30	10/25	
11875	1800	1900	RFE	UK	BIB	75		03/30	10/25	11975	1700	1730	VOA	SHON	SAO	138	12345	4/7	10/25
11875	1900	2000	RFE	UK	BIB	75	712345	03/30	10/25	11975	1700	1800	VOA	PORT	SAO	124	03/30	4/6	
11885	0200	0330	PBS	FIEE	PHT	283		03/30	10/25	11975	1730	1800	VOA	ENGL	SAO	138	12345	4/7	10/25
11885	0500	0600	RFE	RU	JBR	55		06/15	10/25	11975	1800	2200	VOA	ENGL	SAO	100	03/30	10/25	
11885	0500	0600	RFE	RU	WOF	75		03/30	06/14	11975	2200	2230	VOA	ENGL	SAO	100	12345	03/30	10/25
11885	1000	1300	RFE	RU	HOL	57		03/30	04/13	11980	1600	1800	RFE	UZ	PHT	315	03/30	10/25	
11885	1300	1400	VOA	RUSS	LAM	56		03/30	10/25	11985	0000	0300	SAW	ARAB	MOR	91	03/30	05/23	
11885	1400	1500	RFE	RU	LAM	56		03/30	10/25	11985	0300	0400	VOA	PERS	MOR	67	03/30	10/25	
11885	1600	1700	RFE	RU	KAV	51		03/30	10/25	11985	1900	2130	FRD	PE	LAM	104	03/30	10/25	
11885	1800	1900	VOA	RUSS	LAM	75		03/30	10/25	11990	0500	0600	RFE	TB	MOR	43	03/30	10/25	
11885	1900	2000	RFE	RU	KAV	51		03/30	10/25	11990	1100	1230	VOA	CHIN	TIN	313	8/10	10/25	
11885	2000	2200	RFE	AB	MOR	19		03/30	10/25	11990	1100	1230	VOA	CHIN	TIN	311	6/1	8/9	
11890	1130	1200	VOA	CREO	GB	183	12345	4/6	10/25	11990	1100	1230	VOA	CHIN	TIN	313	03/30	05/31	
11890	1200	1230	VOA	SPAN	GB	183	12345	03/30	10/25	11990	1300	1400	VOA	CHIN	NVS	111	03/30	10/25	
11890	1200	1230	VOA	SPAN	GA	205	67	03/30	10/25	11990	1400	1500	VOA	CHIN	NVS	111	03/30	10/25	
11890	1230	1300	VOA	CREO	GB	183	12345	03/30	4/5	11990	1500	1530	VOA	HAUS	SAO	335	03/30	10/25	
11895	0400	0500	VOA	UKRA	MOR	51		03/30	10/25	11990	1500	1600	RFE	TB	KAV	51	03/30	10/25	
11895	0900	1100	VOA	CHIN	UDO	30		04/21	10/25	11990	1530	1600	VOA	HAUS	SAO	335	4/9	04/22	
11895	0900	1100	VOA	CHIN	UDO	30		03/30	04/20	11995	0600	0630	VOA	ENGL	KAV	172	03/30	10/25	
11895	1400	1600	RFE	RU	KAV	26		03/30	10/25	11995	0630	0700	VOA	ENGL	KAV	172	67	03/30	10/25
11895	1600	1700	RFE	AR	KAV	95		03/30	10/25	11995	1500	1530	RFE	RO	BIB	105	04/24	10/25	
11895	1700	1800	RFE	UK	BIB	88		03/30	10/25	12010	0700	1100	VOA	CHIN	PHT	332	03/30	10/25	
11895	2100	2130	VOA	CREO	DL	100		4/6	10/25	12010	1130	1230	VOA	INDO	PHT	200	03/30	10/25	
11895	2200	2230	VOA	CREO	DL	100		03/30	4/5	12010	2100	2400	SAW	ARAB	MOR	75	03/30	10/25	
11905	1700	1800	VOA	URDU	IRA	340		03/30	10/25	12015	0200	0400	RFE	UZ	KAV	51	03/30	10/25	

12015	0400	0600	RFE	UZ	LAM	75		03/30	10/25			
12015	1900	2000	VOA	ENGL	UDO	300	12345	4/4	10/25			
12015	1900	2000	VOA	ENGL	UDO	300	12345	03/30	4/3			
12025	1330	1430	VOA	URDU	KAV	95		03/30	10/25			
12025	2300	2400	SAW	ARAB	MOR	92		03/30	05/23			
12030	0100	0300	RFE	AB	JUL	108		03/30	05/30			
12030	1900	2000	VOA	PERS	LAM	108	5	03/30	10/25			
12035	2100	2130	VOA	FREN	SAO	20	12345	4/1	10/25			
12040	0400	0500	VOA	KURD	LAM	108		4/10	10/25			
12040	1100	1400	VOA	CHIN	PHT	332		03/30	10/25			
12040	1400	1500	VOA	CHIN	PHT	332		03/30	10/25			
12040	1500	1530	VOA	ENGL	PHT	332		03/30	10/25			
12040	1530	1600	VOA	ENGL	PHT	332		03/30	10/25			
12040	1700	2400	SAW	ARAB	KAV	104		4/10	10/25			
12045	0700	1600	SAW	ARAB	MOR	92		03/30	05/23			
12045	1800	1900	RFE	RO	BIB	105	12345	04/24	10/25			
12080	0300	0430	VOA	ENGL	BOT	10		03/30	10/25			
12080	0430	0630	VOA	ENGL	BOT	10		03/30	10/25			
12080	0630	0700	VOA	ENGL	BOT	10	67	03/30	10/25			
12080	1600	1700	VOA	ENGL	BOT	350		03/30	10/25			
12080	1700	1800	VOA	PORT	BOT	350		03/30	10/25			
12080	1800	1830	VOA	PORT	BOT	350	12345	03/30	10/25			
12080	1830	1900	VOA	FREN	BOT	350		03/30	10/25			
12080	1900	2000	VOA	FREN	BOT	350		03/30	10/25			
12080	2000	2030	VOA	FREN	BOT	350		03/30	10/25			
12080	2030	2100	VOA	FREN	BOT	350	67	03/30	10/25			
12080	2030	2100	VOA	HAUS	BOT	350	12345	03/30	10/25			
12080	2100	2130	VOA	FREN	BOT	350	12345	03/30	10/25			
12105	1400	1900	ERT	VAR	KAV	355		4/4	10/25			
12110	1100	1400	ERT	VAR	KAV	355		04/15	10/25			
12110	1100	1400	ERT	VAR	KAV	355		03/30	04/14			
12110	1400	1900	ERT	VAR	KAV	355		03/30	4/3			
12115	1600	1700	VOA	HIND	IRA	356		03/30	10/25			
12140	0000	0030	RFE	DA	WER	90		03/30	04/14			
12140	0030	0130	VOA	PASH	IRA	340		03/30	10/25			
12140	0130	0230	VOA	DARI	IRA	340		03/30	10/25			
12140	0230	0330	RFE	PA	WER	90		03/30	10/25			
12140	0330	0430	RFE	DA	WER	90		03/30	10/25			
12140	1230	1300	VOA	UZBE	IRA	340		03/30	10/25			
12140	1300	1400	RFE	KA	IRA	356		03/30	10/25			
12140	1430	1530	VOA	PASH	IRA	340		03/30	10/25			
12140	1530	1630	VOA	DARI	IRA	340		03/30	10/25			
12140	1630	1700	RFE	PA	IRA	340		03/30	10/25			
12140	1700	1730	RFE	PA	IRA	340		03/30	10/25			
12140	1730	1830	RFE	DA	IRA	340		03/30	10/25			
12140	2230	2330	RFE	PA	WER	90		03/30	04/13			
12140	2330	2400	RFE	DA	WER	90		03/30	04/13			
13600	1600	1700	VOA	ENGL	UDO	272		03/30	10/25			
13605	1400	1600	SAW	ARAB	MOR	37		6/3	10/25			
13610	0700	1100	VOA	CHIN	TIN	305		03/30	10/25			
13610	1100	1300	VOA	ENGL	TIN	280		03/30	10/25			
13615	0500	0530	VOA	ALBA	MOR	59		03/30	10/25			
13615	0530	0600	VOA	SERB	MOR	59		03/30	10/25			
13620	0800	1100	VOA	ENGL	TIN	280		03/30	10/25			
13630	1300	2100	OCB	SPAN	GA	212		03/30	10/25			
13635	1730	1800	RFE	SC	MOR	59		03/30	4/12			
13635	1900	2000	VOA	ENGL	IRA	310		03/30	10/25			
13650	0100	0300	VOA	ENGL	UDO	280		03/30	10/25			
13670	1630	1700	VOA	SWAH	BOT	10		03/30	10/25			
13670	1700	1730	VOA	SWAH	BOT	10	12345	03/30	10/25			
13670	1800	1830	VOA	AMHA	BOT	10		03/30	10/25			
13670	1830	1845	VOA	TIGR	BOT	10	12345	03/30	10/25			
13670	1830	1845	VOA	AMHA	BOT	10	67	03/30	10/25			
13670	1845	1900	VOA	OROM	BOT	10	12345	03/30	10/25			
13670	1845	1900	VOA	AMHA	BOT	10	67	03/30	10/25			
13670	1900	2200	VOA	ENGL	BOT	10		03/30	10/25			
13670	2200	2230	VOA	ENGL	BOT	10	12345	03/30	10/25			
13680	0800	1400	FRD	PE	KAV	100		03/30	10/25			
13680	1400	1700	FRD	PE	LAM	108		03/30	10/25			
13690	1400	1700	SAW	ARAB	IRA	315		03/30	04/27			
13695	0530	0600	VOA	FREN	BOT	10	12345	03/30	10/25			
13695	0600	0630	VOA	FREN	BOT	10	12345	03/30	10/25			
13695	1500	1530	VOA	HAUS	SAO	0		03/30	4/5			
13695	1530	1600	VOA	HAUS	SAO	0		4/9	04/22			
13695	1600	1700	VOA	ENGL	SAO	126		03/30	4/5			
13695	1700	1800	VOA	PORT	SAO	335		03/30	4/5			
13695	1800	1830	VOA	PORT	SAO	335	12345	03/30	4/5			
13695	1830	1900	VOA	FREN	SAO	0		03/30	4/5			
13695	1900	2000	VOA	FREN	SAO	0		03/30	4/5			
13695	2000	2030	VOA	FREN	SAO	0		03/30	4/5			
13695	2030	2100	VOA	FREN	SAO	0	67	03/30	4/5			
13695	2030	2100	VOA	HAUS	SAO	0	12345	03/30	4/5			
13695	2100	2130	VOA	FREN	SAO	0	12345	03/30	4/5			
13700	1700	1730	VOA	SERB	MOR	59		03/30	05/23			
13710	0630	0730	RFE	PA	UDO	300		03/30	10/25			
13710	0730	0830	RFE	DA	UDO	300		03/30	10/25			
13715	1700	1800	VOA	URDU	IRA	334		03/30	10/25			
13720	0700	1000	VOA	CHIN	TIN	303		03/30	10/25			
13720	1500	1530	VOA	ARME	IRA	326		03/30	10/25			
13725	0330	0430	VOA	KNKR	SAO	114		03/30	10/25			
13725	0430	0500	VOA	PORT	SAO	114		03/30	10/25			
13725	2100	2130	VOA	CREO	GA	212		4/6	10/25			
13725	2200	2230	VOA	CREO	GA	212		03/30	4/5			
13725	2200	2230	VOA	KHME	TIN	279		03/30	10/25			
13725	2230	2330	VOA	VIET	TIN	279		03/30	10/25			
13725	2330	2400	VOA	ENGL	TIN	279		03/30	10/25			
13740	0130	0200	VOA	ENGL	DL	109	23456	03/30	10/25			
13740	0700	1100	VOA	CHIN	UDO	30		03/30	04/20			
13740	0700	1100	VOA	CHIN	UDO	30		04/21	10/25			
13745	1100	1300	RFE	RU	SKN	95		03/30	10/25			
13755	0900	1000	VOA	ENGL	MOR	37		06/14	10/25			
13755	1000	1100	FRD	PE	MOR	37		06/14	10/25			
13755	1400	1500	RFE	AB	LAM	104		03/30	10/25			
13755	1500	1700	RFE	RU	MOR	43		03/30	10/25			
13760	0100	0200	VOA	SPAN	DL	126		03/30	10/25			
13760	0700	1000	VOA	ENGL	TIN	279		03/30	10/25			
13770	1200	1230	VOA	SPAN	GB	212	12345	03/30	10/25			
13770	1200	1230	VOA	SPAN	GA	212	67	03/30	10/25			
13775	2200	2300	VOA	CHIN	UDO	30		04/21	10/25			
13775	2200	2300	VOA	CHIN	UDO	30		4/4	04/20			
13775	2200	2300	VOA	CHIN	UDO	30		03/30	4/3			
13775	2300	2400	VOA	ENGL	UDO	30		4/4	10/25			
13775	2300	2400	VOA	ENGL	UDO	30		03/30	4/3			
13790	0000	0130	VOA	ENGL	DL	109	23456	03/30	10/25			
13790	1130	1200	VOA	SPAN	GA	174		03/30	10/25			
13795	1300	1400	RFE	KA	UDO	329		03/30	10/25			
13795	1500	1530	VOA	UZBE	IRA	356		5/4	10/25			
13795	1500	1600	RFE	KA	IRA	356		03/30	04/30			
13810	0000	0030	RFE	DA	IRA	340		10/23	10/25			
13810	2230	2330	RFE	PA	IRA	340		10/23	10/25			
13810	2330	2400	RFE	DA	IRA	340		10/23	10/25			
13815	1400	1800	RFE	TU	UDO	311		03/30	10/25			
13820	1200	2000	OCB	SPAN	GA	174		03/30	10/25			
13820	2000	2100	OCB	SPAN	DL	100		03/30	10/25			
13820	2000	2400	OCB	SPAN	DL	100		04/24	10/25			
13820	2100	2300	OCB	SPAN	DL	100		03/30	10/25			
13820	2300	2400	OCB	SPAN	DL	100		03/30	10/25			
13835	1800	1830	VOA	AMHA	IRA							

15115	1900	2000	RFE	UK	MOR	59	712345	03/30	10/25			
15120	0200	0330	PBS	FIEE	PHT	315		03/30	10/25			
15120	1200	1230	RFE	KY	UDO	324		03/30	10/25			
15120	1230	1300	VOA	UZBE	UDO	316		03/30	10/25			
15130	0400	0500	VOA	KURD	IRA	299		03/30	10/25			
15130	0600	0800	RFE	RU	HOL	57		03/30	10/25			
15130	1000	1300	RFE	RU	LAM	53		03/30	10/25			
15130	1300	1400	VOA	RUSS	KAV	51		03/30	10/25			
15135	1730	1800	VOA	AZER	MOR	67		03/30	10/25			
15140	1900	1930	RFE	KO	MOR	59		03/30	10/25			
15145	1000	1200	RFE	RU	LAM	77		03/30	10/25			
15145	1300	1400	RFE	AZ	KAV	95		03/30	10/25			
15145	1400	1500	RFE	TA	KAV	95		03/30	10/25			
15145	1500	1700	RFE	TA	PHT	315		03/30	10/25			
15150	0000	0100	VOA	CHIN	UDO	30		04/21	10/25			
15150	0000	0100	VOA	CHIN	UDO	30		03/30	04/20			
15150	0100	0200	VOA	CHIN	UDO	30		04/21	10/25			
15150	0100	0200	VOA	CHIN	UDO	30		03/30	04/20			
15150	0800	1000	VOA	ENGL	UDO	345		03/30	10/25			
15150	1830	1900	VOA	ALBA	WOF	114		03/30	10/25			
15160	0700	1100	VOA	CHIN	PHT	349		03/30	10/25			
15160	1100	1500	VOA	ENGL	PHT	349		03/30	10/25			
15160	1500	1800	RFE	TU	LAM	77		03/30	10/25			
15160	1800	1900	RFE	SC	MOR	67		03/30	10/25			
15170	1300	1400	VOA	KURD	MOR	75		03/30	10/25			
15170	1400	1700	RFE	AB	MOR	75		03/30	10/25			
15170	1830	1900	VOA	CROA	MOR	59		03/30	10/25			
15180	1900	2000	VOA	ENGL	PHX	285		03/30	10/25			
15185	0000	0030	VOA	ENGL	PHX	285		03/30	10/25			
15185	0030	0100	VOA	ENGL	PHX	285		03/30	10/25			
15185	0400	0600	FRD	PE	KAV	100		03/30	10/25			
15185	2100	2200	VOA	ENGL	PHX	285		03/30	10/25			
15185	2200	2400	VOA	ENGL	PHX	285		03/30	10/25			
15190	0600	0800	ERT	VAR	DL	296		03/30	10/25			
15190	1330	1430	VOA	URDU	UDO	300		03/30	10/25			
15190	1430	1500	VOA	GEOR	BIB	85		03/30	10/25			
15190	1730	1930	PBS	ENGL	PHT	283		03/30	10/25			
15195	0000	0100	VOA	CHIN	PHT	332		03/30	10/25			
15195	0100	0300	VOA	CHIN	PHT	332		03/30	10/25			
15195	1100	1200	RFE	KA	KAV	51		03/30	10/25			
15205	0400	0700	VOA	ENGL	KAV	51		03/30	10/25			
15205	1100	1300	RFE	RU	KAV	51		03/30	10/25			
15205	1300	1400	VOA	RUSS	WOF	82		5/12	10/25			
15205	1300	1330	RFE	KY	UDO	324		03/30	5/11			
15205	1400	1500	RFE	RU	WOF	82		5/12	10/25			
15205	1500	1700	VOA	ENGL	WOF	86		03/30	10/25			
15205	2200	2330	VOA	INDO	PHX	212		03/30	10/25			
15205	2330	2400	VOA	ENGL	PHX	212		03/30	10/25			
15210	0130	0200	VOA	BANG	IRA	33		03/30	10/25			
15215	1200	1300	RFE	RU	LAM	77		03/30	10/25			
15215	1300	1400	VOA	RUSS	LAM	77		03/30	10/25			
15215	1400	1500	RFE	RU	LAM	77		03/30	10/25			
15215	1500	1700	RFE	BR	MOR	43		03/30	10/25			
15220	2330	2400	VOA	BURM	PHT	270		03/30	10/25			
15225	1130	1200	VOA	BURM	PHT	283		03/30	10/25			
15225	1600	1630	VOA	ENGL	ASC	102		03/30	10/25			
15225	1630	1700	VOA	ENGL	ASC	102		03/30	10/25			
15230	1000	1100	VOA	CHIN	TIN	303		03/30	10/25			
15235	1300	1330	RFE	KY	UDO	324		5/12	10/25			
15235	1600	1700	VOA	KURD	KAV	95		03/30	4/5			
15235	1800	1900	VOA	TURK	MOR	67		03/30	10/25			
15235	1900	2000	VOA	ENGL	PHT	21	12345	03/30	10/25			
15240	1000	1200	VOA	ENGL	IRA	20		03/30	10/25			
15240	1200	1300	VOA	ENGL	IRA	25		03/30	10/25			
15245	0500	0600	RFE	TB	HOL	59		03/30	10/25			
15245	1500	1600	RFE	TB	KAV	51		5/12	10/25			
15245	1500	1600	RFE	TB	LAM	53		03/30	5/11			
15245	1700	1730	VOA	SERB	MOR	59		03/30	05/23			
15245	1730	1830	RFE	SC	MOR	59		03/30	10/25			
15245	1830	1900	RFE	SC	MOR	59		03/30	10/25			
15250	0700	1300	VOA	CHIN	PHT	332		03/30	10/25			
15255	1300	1400	RFE	AZ	BIB	85		03/30	10/25			
15255	1400	1800	VOA	ENGL	KAV	51		03/30	10/25			
15260	0730	0800	RFE	SC	MOR	59		03/30	10/25			
15265	0400	0600	VOA	TIBE	UDO	316		04/21	10/25			
15265	0400	0600	VOA	TIBE	UDO	316		03/30	04/20			
15265	1130	1200	VOA	CREO	DL	100	12345	4/6	10/25			
15265	1230	1300	VOA	CREO	DL	100	12345	03/30	4/5			
15265	1400	1500	RFE	KY	IRA	356		03/30	04/13			
15265	1500	1600	RFE	KY	MOR	67		03/30	04/13			
15270	0200	0330	PBS	FIEE	PHT	283		03/30	10/25			
15280	0800	1000	RFE	RU	PHT	349		03/30	10/25			
15280	1830	1900	VOA	ALBA	MOR	59		03/30	10/25			
15280	1930	2000	VOA	SERB	MOR	59		03/30	10/25			
15290	0000	0030	VOA	ENGL	PHT	349		03/30	10/25			
15290	0030	0100	VOA	ENGL	PHT	349		03/30	10/25			
15290	0400	0830	FRD	PE	KAV	95		03/30	10/25			
15290	1600	1700	VOA	HIND	UDO	300		03/30	10/25			
15290	2200	2400	VOA	ENGL	PHT	349		03/30	10/25			
15295	0200	0400	RFE	TU	UDO	324		03/30	10/25			
15305	2200	2330	VOA	ENGL	IRA	73		06/13	08/20			
15305	2200	2400	VOA	ENGL	IRA	73		08/21	10/25			
15305	2200	2400	VOA	ENGL	IRA	73		03/30	6/12			
15305	2330	2400	VOA	ENGL	PHT	283		06/13	08/20			
15320	1130	1230	VOA	INDO	SAI	225		03/30	10/25			
15325	1300	1330	BBC	SPAN	GA	164	12345	03/30	10/25			
15330	0000	0300	OCB	SPAN	DL	100		03/30	10/25			
15330	2200	2400	OCB	SPAN	DL	100		03/30	10/25			
15335	1100	1500	RTM	ARAB	MOR	27		03/30	10/25			
15335	1600	1700	RFE	UZ	BIB	75		03/30	10/25			
15345	1400	1500	RFE	TU	HOL	77		03/30	10/25			
15355	0400	0415	RFE	RU	HOL	77		03/30	10/25			
15355	0415	0430	RFE	AV	HOL	77		03/30	10/25			
15355	0430	0445	RFE	CH	HOL	77		03/30	10/25			
15355	0445	0500	RFE	CI	HOL	77		03/30	10/25			
15355	1400	1500	RFE	KA	KAV	51		5/1	10/25			
15355	1400	1600	RFE	KA	KAV	51		03/30	04/30			
15355	1500	1600	RFE	RU	BIB	75		5/4	10/25			
15360	1200	1230	VOA	SPAN	GA	164		03/30	10/25			
15370	1230	1330	RFE	PA	HOL	77		10/23	10/25			
15370	1330	1400	RFE	DA	HOL	77		10/23	10/25			
15370	1400	1500	RFE	TA	MOR	59		03/30	10/25			
15370	1500	1700	RFE	TA	PHT	315		03/30	10/25			
15370	1700	1800	VOA	RUSS	WOF	75		03/30	10/25			
15380	0300	0600	SAW	ARAB	IRA	298		03/30	10/25			
15385	1500	1600	RFE	AZ	LAM	80		03/30	10/25			
15385	1630	1700	VOA	CREO	GA	146		4/6	10/25			
15385	1730	1800	VOA	CREO	GA	146		03/30	4/5			
15390	1200	1230	VOA	SPAN	ASC	250		03/30	10/25			
15390	2115	2130	BBC	ENGL	GA	174	12345	4/1	10/25			
15390	2115	2130	BBC	ENGL	GA	174	12345	03/30	03/31			
15395	0030	0100	RTG	ENGL	UDO	6		03/30	10/25			
15395	0100	0200	RTG	THAI	UDO	6		03/30	10/25			
15395	0300	0330	RTG	ENGL	UDO	38		03/30	10/25			
15395	0330	0430	RTG	THAI	UDO	38		03/30	10/25			
15410	1600	1700	VOA	ENGL	SAO	124		03/30	10/25			
15410	1700	2200	VOA	ENGL	MOR	132		03/30	10/25			
15425	1000	1500	VOA	ENGL	PHX	285		03/30	10/25			
15425	1100	1500	VOA	ENGL								

15470	2130	2200	VOA	KORE	P.K	244	03/30	10/25	17630	1745	1800	RFE	CI	MOR	67	04/13	10/25	
15480	1700	1900	RFE	BR	WOF	75	03/30	10/25	17630	1745	1800	RFE	CI	LAM	92	03/30	4/12	
15490	0400	0600	VOA	TIBE	IRA	25	03/30	10/25	17655	1230	1300	VOA	UZBE	TIN	309	03/30	10/25	
15500	1300	1500	VOA	CANT	PHT	330	03/30	10/25	17655	1500	1530	VOA	UZBE	TIN	309	03/30	10/25	
15510	0900	1000	RFE	AZ	KAV	95	03/30	10/25	17665	0900	1000	RFE	AZ	KAV	95	03/30	10/25	
15520	0200	0400	RFE	TA	UDO	311	03/30	10/25	17665	1500	1530	VOA	UZBE	MOR	59	03/30	5/3	
15530	1400	1500	RFE	KY	IRA	356	04/14	10/25	17670	0030	0130	VOA	PASH	UDO	300	03/30	10/25	
15530	1500	1600	RFE	KY	UDO	324	04/14	10/25	17670	0130	0230	VOA	DARI	UDO	300	03/30	10/25	
15545	1600	1700	VOA	KURD	KAV	95	03/30	10/25	17670	0230	0330	RFE	PA	IRA	340	03/30	10/25	
15545	1700	1800	VOA	URDU	PHT	315	03/30	10/25	17670	0330	0430	RFE	DA	IRA	340	03/30	10/25	
15545	1800	1900	VOA	KURD	HOL	77	03/30	10/25	17670	1100	1200	RFE	KA	KAV	51	03/30	10/25	
15550	1500	1530	VOA	ENGL	UDO	166	03/30	10/25	17670	1300	1400	RFE	KA	KAV	51	03/30	10/25	
15550	1530	1600	VOA	ENGL	UDO	166	03/30	10/25	17670	1400	1500	RFE	TA	HOL	77	03/30	10/25	
15580	1600	1700	VOA	ENGL	BOT	350	03/30	10/25	17670	1600	1700	FRD	PE	WOF	105	03/30	10/25	
15580	1700	1800	VOA	ENGL	BOT	350	03/30	10/25	17685	0830	0930	RFE	PA	UDO	300	03/30	10/25	
15580	1800	2200	VOA	ENGL	BOT	350	03/30	10/25	17685	0930	1030	RFE	DA	UDO	300	03/30	10/25	
15580	2200	2230	VOA	ENGL	BOT	350	12345	03/30	10/25	17685	1030	1130	VOA	PASH	UDO	300	03/30	10/25
15650	0000	0400	ERT	VAR	KAV	95	03/30	10/25	17685	1130	1230	VOA	DARI	UDO	300	03/30	10/25	
15650	1200	1400	ERT	VAR	KAV	95	03/30	10/25	17685	1230	1300	RFE	PA	UDO	300	03/30	10/25	
15650	2100	2400	ERT	VAR	KAV	95	03/30	10/25	17685	1300	1330	RFE	PA	UDO	300	03/30	10/25	
15665	0900	1100	VOA	CHIN	SAI	300	03/30	10/25	17685	1330	1430	RFE	DA	UDO	300	03/30	10/25	
15680	1400	1500	VOA	TIBE	IRA	25	03/30	10/25	17685	1500	1530	VOA	UZBE	UDO	316	03/30	10/25	
15690	0630	0730	RFE	PA	WER	90	03/30	10/25	17690	1700	1900	RFE	AB	KAV	95	03/30	10/25	
15690	0730	0830	RFE	DA	WER	90	03/30	10/25	17705	1600	2200	ERT	VAR	DL	75	4/11	10/25	
15690	0830	0930	RFE	PA	WER	90	03/30	10/25	17705	1600	1900	ERT	VAR	DL	75	03/30	4/10	
15690	0930	1030	RFE	DA	WER	90	03/30	10/25	17705	2000	2200	ERT	VAR	DL	75	03/30	4/10	
15690	1230	1330	RFE	PA	WER	90	03/30	10/25	17710	0530	0630	VOA	DARI	IRA	340	03/30	10/25	
15690	1330	1430	RFE	DA	WER	90	03/30	10/25	17710	1300	1400	RFE	AZ	LAM	92	03/30	10/25	
15690	1430	1530	VOA	PASH	IRA	340	03/30	10/25	17720	1730	1930	PBS	ENGL	PHT	283	03/30	10/25	
15690	1530	1600	VOA	DARI	IRA	340	03/30	10/25	17725	1500	1600	RFE	GE	HOL	77	03/30	10/25	
15690	1600	1630	VOA	DARI	IRA	340	03/30	10/25	17725	1600	1630	VOA	ALBA	MOR	59	03/30	10/25	
15690	1630	1730	RFE	PA	WER	90	03/30	10/25	17730	0500	0700	RFE	RU	UDO	324	03/30	10/25	
15690	1730	1830	RFE	DA	WER	90	03/30	10/25	17730	0700	0800	RFE	RU	LAM	53	03/30	10/25	
15725	0600	1500	SAW	ARAB	MOR	83	04/17	10/25	17730	0800	1000	RFE	RU	PHT	349	03/30	10/25	
15730	0030	0130	VOA	PASH	IRA	340	03/30	10/25	17730	1000	1200	RFE	RU	HOL	57	03/30	10/25	
15730	0130	0230	VOA	DARI	IRA	340	03/30	10/25	17730	1200	1300	RFE	RU	LAM	77	03/30	10/25	
15730	0230	0330	RFE	PA	IRA	340	03/30	10/25	17730	1300	1400	VOA	RUSS	LAM	77	03/30	10/25	
15730	0330	0430	RFE	DA	IRA	340	03/30	10/25	17740	0000	0030	VOA	ENGL	PHT	150	03/30	10/25	
15730	1630	1700	VOA	SWAH	SAO	100	03/30	10/25	17740	0030	0100	VOA	ENGL	PHT	150	03/30	10/25	
15730	1700	1730	VOA	SWAH	SAO	100	12345	03/30	10/25	17740	0100	0300	VOA	ENGL	PHT	270	03/30	10/25
15730	1730	1800	VOA	ENGL	SAO	138	12345	03/30	4/6	17740	1400	1600	RFE	AB	MOR	75	03/30	10/25
15730	1730	1800	VOA	PORT	SAO	100	4/7	10/25	17740	1600	1700	RFE	AB	KAV	95	03/30	10/25	
15730	1800	1830	VOA	PORT	SAO	138	12345	03/30	10/25	17740	2100	2400	VOA	ENGL	PHT	150	03/30	10/25
15730	1830	1900	VOA	FREN	SAO	76	03/30	10/25	17745	2000	2100	VOA	ENGL	ASC	55	03/30	10/25	
15730	1900	2000	VOA	FREN	SAO	76	03/30	10/25	17750	1400	1600	FRD	PE	WOF	105	03/30	10/25	
15730	2000	2030	VOA	FREN	SAO	76	03/30	10/25	17750	2100	2130	VOA	FREN	ASC	27	12345	03/30	10/25
15730	2030	2100	VOA	FREN	SAO	76	67	03/30	10/25	17765	0000	0100	VOA	CHIN	PHT	349	03/30	10/25
15730	2030	2100	VOA	HAUS	SAO	76	12345	03/30	10/25	17765	0100	0300	VOA	CHIN	PHT	349	03/30	10/25
15730	2100	2130	VOA	FREN	SAO	20	12345	03/30	03/31	17765	1600	1700	VOA	KURD	MOR	75	03/30	10/25
17520	0400	0700	ERT	VAR	KAV	95	03/30	10/25	17770	0400	0600	VOA	TIBE	UDO	319	04/21	10/25	
17565	0700	1400	SAW	ARAB	KAV	95	4/10	10/25	17770	0400	0600	VOA	TIBE	UDO	319	03/30	04/20	
17565	1630	1700	VOA	CREO	GA	164	4/6	10/25	17785	1630	1700	VOA	SWAH	ASC	85	03/30	10/25	
17565	1730	1800	VOA	CREO	GA	164	03/30	4/5	17785	1700	1730	VOA	SWAH	ASC	85	12345	03/30	10/25
17565	2000	2200	ERT	VAR	GA	164	03/30	10/25	17785	1730	1800	VOA	PORT	MOR	156	03/30	10/25	
17565	2000	2200	ERT	VAR	GA	164	03/30	03/31	17785	1800	1830	VOA	PORT	MOR	156	12345	03/30	10/25
17585	1700	1800	VOA	PERS	MOR	67	03/30	10/25	17785	1830	1900	VOA	FREN	MOR	160	03/30	10/25	
17585	1800	1900	VOA	PERS	MOR	67	03/30	10/25	17785	1900	2000	VOA	FREN	MOR	160	03/30	10/25	
17605	1300	1330	RFE	SC	MOR	59	04/23	10/25	17805	0130	0200	VOA	BANG	PHT	283	03/30	10/25	
17605	1300	1330	RFE	SC	MOR	59	03/30	04/22	17810	0600	0800	RFE	RU	LAM	77	03/30	10/25	
17615	1200	1230	RFE	KY	KAV	51	04/14	10/25	17810	0800	1000	RFE	RU	UDO	14	03/30	10/25	
17615	1200	1230	RFE	KY	KAV	51	03/30	04/13	17810	1000	1100	RFE	RU	IRA	25	06/13	08/20	
17630	0400	0600	RFE	UZ	UDO	316	03/30	10/25	17810	1000	1100	RFE	RU	IRA	25	08/21	10/25	
17630	1700	1715	RFE	RU	MOR	67	04/13	10/25	17810	1000	1100	RFE	RU	IRA	25	03/30	6/12	
17630	1700	1715	RFE	RU	LAM	92	03/30	4/12	17810	1430	1500	VOA	GEOR	MOR	67	03/30	10/25	
17630	1715	1730	RFE	AV	MOR	67	04/13	10/25	17810	1500	1530	VOA	ARME	MOR	67	03/30	10/25	
17630	1715	1730	RFE	AV	LAM	92	03/30	4/12	17820	0000	0030	VOA	ENGL	PHT	21	03/30	10/25	
17630	1730	1745	RFE	CH	MOR	67	04/13	10/25	17820	0030	0100	VOA	ENGL	PHT	21	03/30	10/25	
17630	1730	1745	RFE	CH	LAM	92	03/30	4/12	17820	0100	0300	VOA	ENGL	PHT	270	03/30	10/25	

17820	2100	2400	VOA ENGL	PHT	21	03/30	10/25	21530	0400	0800	ERT VAR	KAV	95	03/30	10/25	
17825	1400	1600	RFE TU	MOR	67	03/30	10/25	21530	0800	1400	FRD PE	IRA	315	4/12	10/25	
17835	0600	0730	FRD PE	KAV	100	03/30	10/25	21540	0700	0900	VOA CHIN	PHT	349	03/30	10/25	
17835	0730	0830	FRD PE	MOR	75	03/30	10/25	21550	0530	0630	VOA DARI	IRA	340	03/30	10/25	
17845	0600	1000	SAW ARAB	IRA	310	03/30	10/25	21555	1630	1700	VOA CREO	DL	100	04/24	10/25	
17855	0300	0400	VOA PERS	IRA	315	03/30	10/25	21555	1630	1700	VOA CREO	DL	100	4/6	04/23	
17855	0700	1100	VOA CHIN	PHT	349	03/30	10/25	21555	1730	1800	VOA CREO	DL	100	03/30	4/5	
17865	1300	1330	RFE KY	KAV	51	03/30	10/25	21555	2100	2130	VOA CREO	DL	100	04/24	10/25	
17875	0700	1400	SAW ARAB	KAV	95	03/30	4/9	21555	2100	2130	VOA CREO	DL	100	4/6	04/23	
17875	1200	1230	VOA SPAN	ASC	245	03/30	10/25	21555	2200	2230	VOA CREO	DL	100	03/30	4/5	
17885	1600	1800	RFE TU	MOR	67	03/30	10/25	21615	0000	0030	ABC INDO	TIN	256	04/23	10/25	
17890	1000	1130	RFE RU	UDO	343	04/14	10/25	21615	0000	0030	ABC INDO	TIN	256	03/30	04/22	
17890	1130	1300	RFE RU	KAV	51	04/14	10/25	21650	0800	1400	FRD PE	IRA	315	03/30	4/11	
17895	0300	0430	VOA ENGL	IRA	255	03/30	10/25	21680	0630	0730	RFE PA	IRA	334	10/23	10/25	
17895	0430	0500	VOA ENGL	IRA	255	03/30	10/25	21680	0730	0830	RFE DA	IRA	334	10/23	10/25	
17895	1600	1700	VOA ENGL	MOR	148	03/30	10/25	21680	0830	0930	RFE PA	IRA	334	10/23	10/25	
17895	1700	1730	VOA ENGL	MOR	148	03/30	4/6	21680	0930	1000	RFE DA	IRA	334	10/23	10/25	
17895	1700	1730	VOA SHON	MOR	148	12345	4/7	10/25	21680	1030	1130	VOA PASH	KAV	95	04/15	10/25
17895	1730	1800	VOA ENGL	MOR	148	12345	03/30	10/25	21680	1030	1130	VOA PASH	IRA	334	10/23	10/25
17895	1800	1830	VOA ENGL	MOR	148	03/30	10/25	21680	1030	1130	VOA PASH	KAV	95	03/30	04/14	
17895	1830	1900	VOA ENGL	MOR	156	03/30	10/25	21680	1130	1230	VOA DARI	KAV	95	04/15	10/25	
17895	1900	2200	VOA ENGL	MOR	156	03/30	10/25	21680	1130	1230	VOA DARI	IRA	334	10/23	10/25	
18990	1230	1300	VOA UZBE	IRA	348	03/30	10/25	21680	1130	1230	VOA DARI	KAV	95	03/30	04/14	
19010	0630	0730	RFE PA	IRA	340	03/30	10/25	21680	1230	1330	RFE PA	IRA	334	10/23	10/25	
19010	0730	0830	RFE DA	IRA	340	03/30	10/25	21680	1330	1400	RFE DA	IRA	334	10/23	10/25	
19010	0830	0930	RFE PA	IRA	340	03/30	10/25	21680	1400	1430	RFE DA	IRA	334	10/23	10/25	
19010	0930	1030	RFE DA	IRA	340	03/30	10/25	21685	0900	1000	RFE AZ	IRA	332	5/9	10/25	
19010	1030	1130	VOA PASH	IRA	340	03/30	10/25	21705	0700	0900	VOA CHIN	UDO	30	04/21	10/25	
19010	1130	1230	VOA DARI	IRA	340	03/30	10/25	21705	0700	0900	VOA CHIN	UDO	30	03/30	04/20	
19010	1230	1330	RFE PA	IRA	340	03/30	10/25	21770	0200	0400	RFE UZ	UDO	316	03/30	10/25	
19010	1330	1430	RFE DA	IRA	340	03/30	10/25	21770	0400	0600	RFE UZ	UDO	316	03/30	10/25	
21500	2100	2200	OCB SPAN	DL	126	03/30	10/25	21780	0400	0430	ABC INDO	TIN	255	03/30	10/25	
21520	0900	1000	RFE AZ	IRA	332	03/30	5/8	21795	0530	0600	RTG ENGL	UDO	321	03/30	10/25	

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YUGOSLAVIA: *Radio Yugoslavia* programme schedule, period April 7, 2003 to October 26, 2003. Address: Radio Jugoslavija, Hilendarska 2 /IV, 11000 Beograd, Yugoslavia. Fax: +381 11 32 32 014. Email: <radioyu@bitsyu.net>. WWW: <<http://www.radioyu.org>>.

UTC	Language	Zones of area	Target	Freq. (KHz)	Power (KW)	Azimuth
0000-0030	ENGLISH 1 (Except Sun)	7e,8 27	N.AMERICA/ce	EUROPE/w	9580 250	310
0030-0100	SERBIAN (RTS)	7e,8 27	N.AMERICA/ce	EUROPE/w	9580 250	310
0430-0500	ENGLISH 2	6,7w 27	N.AMERICA/ce	EUROPE/w	9580 250	325
1430-1500	ARABIC 1	39,40s	ARABIA		11800 250	130
1500-1530	RUSSIAN 1	28ne,29,30n	RUSSIA/MOS.		11870 250	40
1530-1545	HUNGARIAN 1	28ne,28nw	HUNGARY		6100 250	0
1545-1600	GREEK 1	28se	GREECE		6100 250	130
1600-1630	FRENCH 1	27,28w	EUROPE/w		9620 250	310
1630-1700	GERMAN 1	27,28w	EUROPE/w		9620 250	310
1700-1715	ALBANIAN 1	28se	ALBANIA		6100 250	180
1715-1730	BULGARIA 1	28se	BULGARIA		6100 250	130
1730-1800	ITALIAN 1	27,28w	EUROPE/w		9620 250	310
1800-1830	RUSSIAN 2	28ne,29,30n	RUSSIA/MOS.		6100 250	40
1830-1900	ENGLISH 3	27,28w	EUROPE/w		6100 250	310
1900-1930	SPANISH 1	37nw	SPAIN		7200 250	250
1930-2000	SERBIAN 1 (Except Sat)	27,28w	EUROPE/w		6100 250	310
2000-2030	GERMAN 2 (Except Sat)	27,28w	EUROPE/w		6100 250	310
1930-2030	SERBIAN (Spec.)					
	(Saturday only)	27,28w	EUROPE/w		6100 250	310
2030-2100	FRENCH 2	27,28w	EUROPE/w		6100 250	310
2100-2130	ENGLISH 4	27,28w	EUROPE/w		6100 250	310
2130-2200	SERBIAN 2 (Except Sat)	55s,58,59	AUSTRALIA		7230 250	100
2130-2230	SERBIAN (Spec.)					
	(Saturday only)	55s,58,59	AUSTRALIA		7230 250	100

2200-2230 ENGLISH 5 (Except Sat)	55s,58,59	AUSTRALIA	7230	250	100
2230-2300 CHINESE 1	43,44	CHINA	9580	250	055
2300-2330 SPANISH 2	12,13w,14nw	S.AMERICA/w	9680	250	265
2330-2400 SERBIAN3 (Except Sun)	7e,8 27	N.AMERICA/ce EUROPE/w	9580	250	310
2330-0030 SERBIAN (Spec.) (Sunday only)	7e,8 27	N.AMERICA/ce EUROPE/w	9580	250	310

(R. Yugoslavia webpage, via JKB, 6/10/03)

Sources & Contributors:

EDXP-NET ELECTRONIC DX PRESS Messaging Network - Australia.
 JKB Dr. Juergen Kubiak, Berlin - Germany.
 OBSERVER Fortnightly edition of Radio Bulgaria's Frequency Management.
 RUS-DX Information bulletin of Russian DX League - Russia.
 WB Wolfgang W. Bueschel, Stuttgart - Germany.
 WWDXC-HQ WWDXC Headquarter, Michael Bethge - Germany.

Abbreviations:

<i>Target:</i>	<i>Target Prefix:</i>
ITU country code or	N North
Af Africa	E East
Am America	S South
As Asia	W West
Eu Europe	C Central
ME Middle East	
FSU Former Soviet Union	

Languages:	Other common abbreviations:
Ar Arabic	bc broadcast
Ch Chinese	lsb Lower Side Band Mode
Du Dutch	nd non-directional
E, En English	px program
F French	sce(d),
G, Ge German	sked schedule
Gr Greek	ssb Single Sideband Mode
I Italian	tx(er) transmitter
J Japanese	usb Upper Side Band Mode
K Korean	mm/dd/yy Date (month/day/year)
P Portuguese	dd.mm.yy (day.month.year)
R Russian	
Sp Spanish	
Turk Turkish	

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<http://home.snafu.de/j.kubiak/>



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DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, Apt. #421, 3420 Morning Star Drive, Mississauga, ON, L4T 1X9, Canada
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SHORTWAVE BANDS

Frequ.	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
5960.0	0140	433	IRN	IRIB, Tehran	French	Iranian Pop Music	1105	MF
5990.0	0130	322	IND	All India Radio	English	News from India	1105	MF
6035.0	0330	443	AFS	Channel Africa	French	Iraq war & Africa	2604	MF
6110.0	0510	433	CLN	Radio Japan, NHK	English	Anti smoking campaign	2405	MF
6160.0	1450	333	PHL	VOA	English	News	1005	MD
6890.0	0150	243	USA	KIMF	English	People war in Pakistan	1105	MF
7385.0	0327	553	USA	WRMI relaying Radio Prague	English	ABC of Czech May Day	0205	RL
7445.0	0559	453	CTR	RFPI, Costa Rica	English	Making Contact	0805	RL
7460.0	1530	433	PHL	FEBA	English	Religious Program	1005	MD
7505.0	0200	343	USA	KTBN	English	Mailbag Program	1105	MF
9430.0	0230	443	USA	WWBS	English	Quotation from Bible	1105	MF
9475.0	2345	443	USA	WWCR, Nashville	English	DX Program	3105	AKB
9495.0	0244	553	SWE	Radio Sweden	English	May Day special program	0205	RL
9520.0	1330	444	PHL	Radio Veritas	Sinhala	Program	1005	MD
9545.0	0125	553	D	Deutsche Welle	German	50th anniversary contest	0405	RL
9570.0	0234	533	HUN	Radio Budapest	English	Spotlight	0305	RL
9590.0	0115	433	HUN	Radio Budapest	English	Hungary Today	0105	RL
9605.0	0300	443	CVA	Vatican Radio	English	Staying Catholic despite it all	0605	RL
9680.0	1515	333	SNG	BBC	Sinhala	News	1005	MD
9745.0	0100	444	EQA	HCJB, Quito	English	Final edition of Musical Mailbag	0106	AKB
9775.0	0235	322	CLN	SLBC, Colombo	English	News from Asia	0505	MF
9870.0	0154	453	CAN	ROI, Wien	English	Mailroom	0405	RL
9870.0	0326	543	CZE	Radio Prague	English	May Day Program	0205	RL
11710.0	0210	322	ARG	RAE, Buenos Aires	English	News followed by music	2905	AKB
11970.0	0554	443	NLA	Deutsche Welle	German	Roger Whittaker music	0405	RL
12040.0	0000	444	UKR	Radio Ukraine Intl.,	English	News, Ukrainian Dairy	0106	AKB
13685.0	1330	444	AUS	Voice Intl.,	English	Songs	1005	MD
15037.5	2229	332	CTR	RFPI	English	Democracy Now, War & Peace effort	0506	RL
15120.0	1820	322	NIG	Voice of Nigeria	English	Mailbag Program	3105	AKB
15145.0	1400	444	CHN	CNR	Sinhala	Program	1005	MD
15310.0	1300	444	THA	BBC	English	News	1005	MD
15320.0	1345	333	UAE	AWR via Al Dhabbaya relay	English	Gospel program	1005	MD
15385.0	0045	553	E	Radio Exterior de Espana	English	Radio Waves	0405	RL

15565.0	2245	453	NLA	Radio Vlaanderen Intl.,	English	Flanders Today, Current Affairs	0105	RL
17515.0	1400	333	D	Radio France Intl,	English	Announcements	1005	MD
17675.0	0309	352	NZL	Radio New Zealand	English	Mailbox	0805	RL
21780.0	1230	434	AUT	Radio Austria Intl.,	English	Report from Austria	1005	MD

Thanks a lot to our club members for your contributions:

- AKB : Ashok Kumar Bose, Mississauga, Ontario, Canada. SONY ICF SW 7600G with 10 metres long wire
- MF : Michael Frese, Osnabrueck, Germany. SONY ICF SW 7600G with Telescopic antenna.
- MD : Malinda de Silva, Pennipitiya, Sri Lanka. Sony ICF 2001, Sangean 808A, Sony FHG70
- RL : Richard Lemke, St Albert, Alberta, Canada. JRC NRD-535 HF with random long wires.

Dear Friends,

Welcome to the June issue of Logbook for 2003.

Again it is a very short Logbook this month as our members contribution was limited.

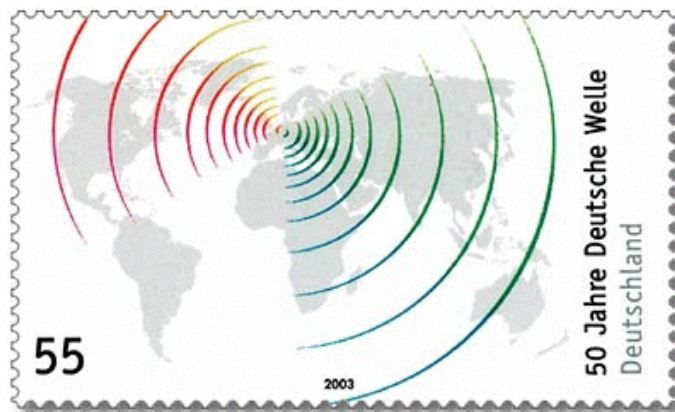
Till next issue it's 73's from your Editor,

Ashok Kumar Bose

DEUTSCHE WELLE SPECIAL STAMP

On the event of Deutsche Welle's 50th anniversary on May 3rd, 2003, the German Ministry of Finance has issued a special stamp.

This stamp is shown on the right and is available at the German post offices and from philatelic services.



DIGITAL RADIO MONDIALE (DRM) QUESTIONS & ANSWERS

After visting the DRM website <<http://www.drm.org>>, I posted them some questions to find out more details about the DRM technique. Here are the Questions & Answers:

Question 1: The reception examples available on the DRM website sound quite good compared to standard analogue AM reception. The problem of listening to all long, medium and short wave

transmissions is mainly due to atmospheric and man made disturbances, especially interference generated by TV sets, PCs etc. How does this affect the quality of a DRM signal?

In common with most digital systems, the effect of interference on the transmitted signal is to increase the bit error rate (BER) of the received signal. The higher the level of interference the higher the number of errors in the received signal. Due to the very powerful error resistance of the digital signal the effect of these errors on the received audio will be entirely or largely inaudible until the BER exceeds a certain critical threshold. Once this threshold is continuously exceeded the quality of the audio degrades very rapidly. Eventually the audio can no longer conceal such a high level of errors and will mute.

With very powerful error correction the threshold between 'perfect' audio and audio muting is quite small and so in planning the transmissions it is necessary to make sure that there is sufficient margin between the digital signal and any potentially interfering signal. This is similar to the way that analogue transmissions are planned. The effect of interference on analogue signals must be minimised by ensuring that the level of the transmitted signal is sufficiently high when it reaches the receiver to overcome these interfering signals. However, whereas there is often a small and unavoidable level of interference audible when receiving analogue AM signals, this will be entirely absent on the digital signal, up to the point where interference to an analogue signal would have been severe and disturbing.

There is however some difference between planning an analogue and a digital AM service. With the analogue service, only the power and frequency of the transmitted signal can be changed in order to minimise interference. With the digital signal there is also the opportunity to change the transmission mode. The DRM system has a number of different modes and choosing a more robust mode will ensure a higher level of resistance to interference, albeit at the cost of reducing the maximum bit rate and therefore the audio quality. However even at the lower bit rates the DRM signal can still sound better than the analogue equivalent.

Question 2: And what about fading? An analogue AM signal almost seems to disappear throughout heavy fading, so what's about the capability to perform long-distance coverage with a DRM signal? Sometimes fading occurs also in the near are of a transmitter.

The same mechanics that protect the DRM signal from interference are also very effective in providing protection against signal fading. One of the problems with skywave propagation [...] is that there will usually be multiple reflections caused by the ionosphere. This leads to more than signal arriving at the receiver. These signals are nominally the same but arrive at slightly different times due to small differences in the path lengths occurring at different levels in the ionosphere. These multiple reflections are countered by the Guard Interval which forms part of the digital signal.

The signal can also be suffer from momentary complete loss at the receiver. This loss could be caused by blockage from a bridge or a building, from unfavourable sky-wave propagation or from impulsive interference. In all cases the receiver becomes momentarily unable to resolve the signal. To counter this, the data representing a given moment (e.g. the audio signal) is spread out over a longer length of time before transmission and additional error correction data is used to correct for moments when it was imperfectly received. The longer period over which the data relating to a given moment is spread the more the receiver will be able to continue to provide audio even when the signal is being lost for short periods. This process is called data interleaving.

The interleaving process ensures that momentary errors bursts, which occur in the transmission channel, will be spread out in time when the signal is de-interleaved in the receiver decoding process. This enables the errors to be corrected in the receiver due to the additional error correction bits that

were added to the audio data before transmission. The drawback is that the longer interleaving time is made the longer it takes for the receiver to produce audio when you first switch it on. For this reason a compromise has to be made between immunity to fading or signal loss and audio access time. In the case of the DRM mode normally used for ground-wave transmissions the audio delay due to interleaving is about 0.8 s and for the sky-wave modes the delay is around 2.4 s.

Question 3: During IFA in Berlin, a single frequency network was erected with three 1 kW transmitters on 1485 kHz. What are the experiences of that? Does such a DRM SFN operate the same way as a DAB network?

Any COFDM system, such as the DRM system or Eureka 147 DAB, which provides a high degree of immunity to multi-path signals [...] also has immunity to the arrival, at the receiver, of multiple identical signals received from geographically diverse transmitters. This high degree of immunity to multi-path propagation stems from the insertion of a Guard Signal into the transmitted COFDM signals. The special case of transmitting the identical signals from several transmitters is called a Single Frequency Network (SFN).

In the case of the DRM system the Guard Interval can take several values depending on the type of propagation expected (e.g. ground-wave, sky-wave). In the mode appropriate for ground wave propagation the DRM system can support a SFN with transmitter spacing up to several hundred kilometres, and this covers the planning requirements of a domestic AM network. For the Berlin SFN demonstration the transmitters were spaced up to 60 km apart, which is well inside the maximum distance for which the system is designed. However as the transmitters are individually fed via a telecommunications network it is important to provide a common time reference at each transmitter the signals radiated are identical and synchronised.

Question 4: And finally, what about two DRM signals on adjacent channels in the AM bands? What about two different DRM signals on the same frequency?

The interference performance of a DRM receiver due to the presence of digital signals in adjacent channels will always be, to some degree, dependent on the performance of the respective transmitters, in terms of channel radiation, and on the receivers, in terms of their adjacent channel selectivity. However calculations (of the protection ratio) based on currently attainable transmitter performance and typical receiver performance show that DRM signals at the same time can co-exist in adjacent channels. Two analogue signals at similar levels in adjacent channels will generally produce marginally worse results, as the adjacent channel signal will usually cause some slight interference. If transmitter out of channel performance can be improved in the future then the result could be still better protection in the receiver against adjacent channel signals, as these signals could then be at a higher level (perhaps 10 dB or more) than the wanted signal but still not cause interference. However other local sources of noise (e.g. electrical noise from ADSL or power line telecommunications) in the adjacent channel could then become the dominant factor in receiver performance.

If a wanted and interfering DRM signal occupy the same channel then that interfering signal must be received at a level more than 17 dB below the wanted signal for reliable reception. This is a more relaxed requirement than that which is used for planning current analogue services in the MW band, where 30 dB is the normal ITU-R requirement. Again, whilst in the case of analogue signals interfering with analogue signals there will usually be some audible interference, this will not generally be the case with the digital signals. Providing the interfering signal or signals remain below the required protection level there will be no audible disturbance to the wanted signal.

(Sascha A. Zimmer, Viersen, Germany via DX LISTENING DIGEST)