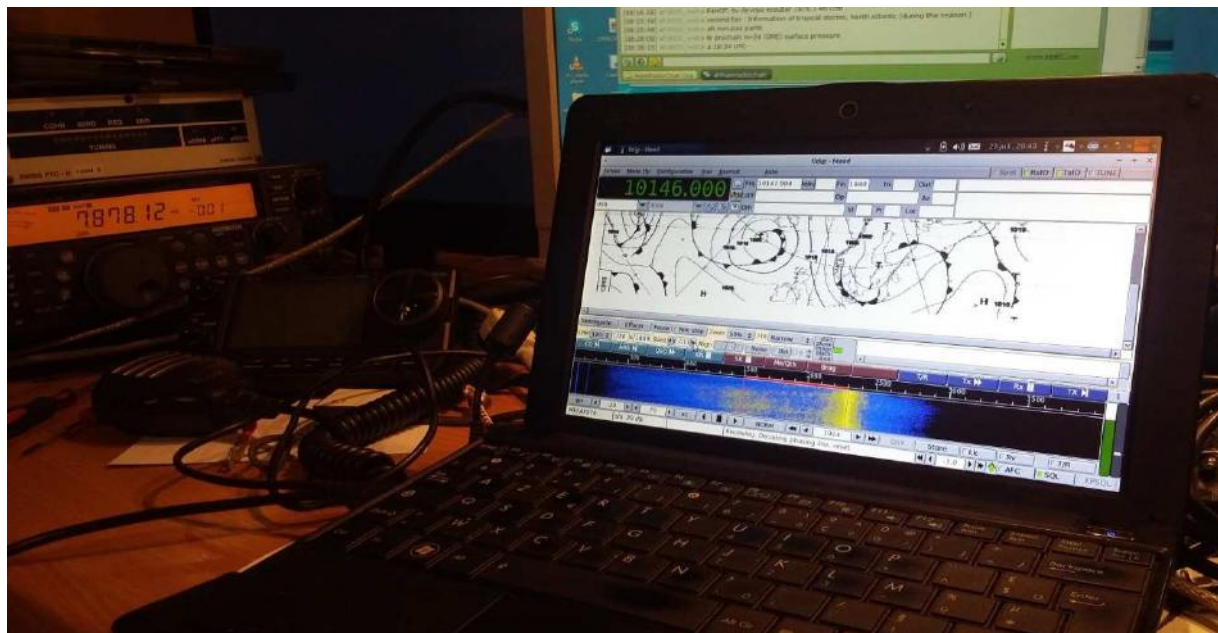


Memento pratique



du radioamateur de l'amateur radio et du SWL

V0.8.9.0





Radioamateur

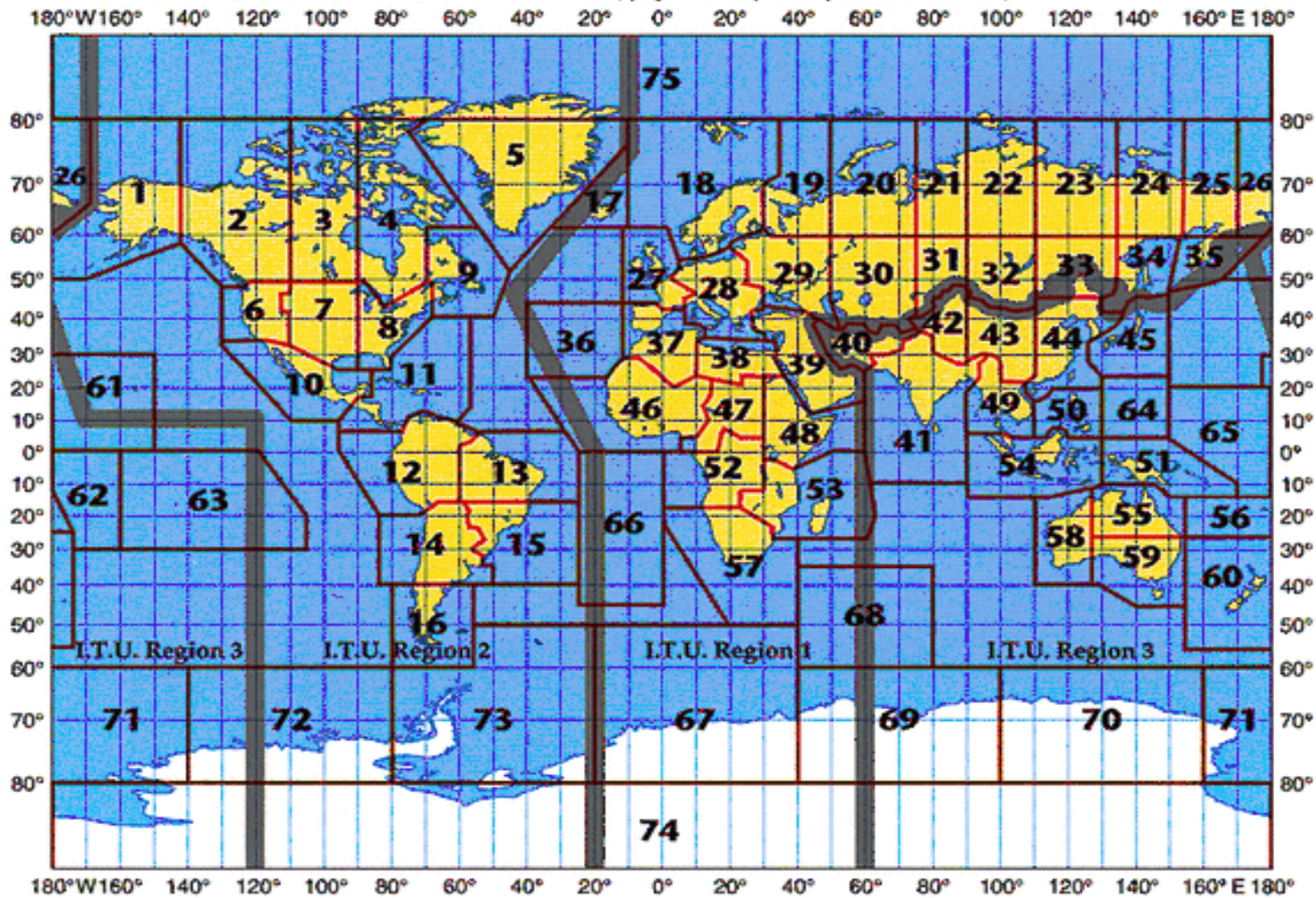


IARU



I.T.U. ZONES AND REGIONS

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**INTERNATIONAL AMATEUR
RADIO UNION**
REGION I

[Site Internet : http://www.iau-r1.org/](http://www.iau-r1.org/)

| Member Societies | |
|-----------------------------------------------------------------|---------------------------------------|
| Nom | Pays |
| ALBANIAN AMATEUR RADIO ASSOCIATION (AARA) | Albania |
| AMATEURS RADIO ALGERIENS (ARA) | Algeria |
| UNIO DE RADIOAFICIONATS ANDORRANS (URA) | Andorra |
| FEDERATION OF RADIOSPORT OF THE REPUBLIC OF ARMENIA (FRRA) | Armenia |
| ÖSTERREICHISCHER VERSUCHSENDEVERBAND (ÖEVS) | Austria |
| FEDERATION OF RADIO SPORT OF REPUBLIC OF AZERBAIJAN (FRS) | Azerbaijan |
| AMATEUR RADIO ASSOCIATION OF BAHRAIN (ARAB) | Bahrain |
| BELARUS FEDERATION OF RADIOAMATEURS AND RADIOSPORTSMEN (BFRR) | Belarus |
| KONINKLIJKE UNIE VAN DE BELGISCHE ZENDAMATEURS (UBA) | Belgium |
| ASOCIJACIJA RADIOAMATERA BOSNE I HERCEGOVINE (ARBiH) | Bosnia & Hercegovina |
| BOTSWANA AMATEUR RADIO SOCIETY (BARS) | Botswana |
| BULGARIAN FEDERATION OF RADIO AMATEURS (BFRA) | Bulgaria |
| ASSOCIATION DES RADIOAMATEURS DU BURKINA FASO (ARBF) | Burkina Faso |
| ASSOCIATION BURUNDAISE DES AMATEURS RADIO ET TELEVISION (ABART) | Burundi |
| ASSOCIATION DES RADIO AMATEURS DU CAMEROUN (ARTJ) | Cameroun |
| UNION DES RADIOAMATEURS DU CONGO (URAC) | Congo |
| ASSOCIATION DES RADIO AMATEURS IVOIRIENS (ARAI) | Cote d'Ivoire |
| HRVATSKI RADIOAMATERSKI SAVEZ (HRS) | Croatia |
| CYPRUS AMATEUR RADIO SOCIETY (CARS) | Cyprus |
| CZECH RADIO CLUB (CRC) | Czech Republic |
| ASSOCIATION DES RADIO AMATEURS DU CONGO (ARAC) | Democratic Republic of Congo |
| EXPERIMENTERENDE DANSKE RADIOAMATEURER (EDR) | Denmark |
| ASSOCIATION DES RADIOAMATEURS DE DJIBOUTI (ARAD) | Djibouti |
| EGYPTIAN RADIO AMATEURS SOCIETY FOR DEVELOPMENT (ERASD) | Egypt |
| ESTONIAN RADIO AMATEURS UNION (ERAU) | Estonia |
| ETHIOPIAN AMATEUR RADIO SOCIETY (EARS) | Ethiopia |
| FOROYSKIR RADIOAMATORAR (FRA) | Faroe Islands |
| SUOMEN RADIOAMATEURILIITTO ry (SRAL) | Finland |
| RADIOAMATERSKI SOJUZ NA MAKEDONIJA (RSM) | Former Yugoslav Republic of Macedonia |
| UNION FRANCAISE DES RADIOAMATEURS (REF) | France |
| ASSOCIATION GABONAISE DES RADIO AMATEURS (AGRA) | Gabon |
| RADIO SOCIETY OF GAMBIA (RSTG) | Gambia |
| NATIONAL ASSOCIATION OF RADIOAMATEURS OF GEORGIA (NARG) | Georgia |

| Nom | Pays |
|--------------------------------------------------------------------|------------------------|
| DEUTSCHER AMATEUR RADIO CLUB (DARC) | Germany |
| GHANA AMATEUR RADIO SOCIETY (GARS) | Ghana |
| GIBRALTAR AMATEUR RADIO SOCIETY (GARS) | Gibraltar |
| RADIO AMATEUR ASSOCIATION OF GREECE (RAAG) | Greece |
| HUNGARIAN RADIO AMATEUR SOCIETY (MRASZ) | Hungary |
| ISLENZKIR RADIOAMATORAR (IRA) | Iceland |
| IRAQI AMATEUR RADIO SOCIETY (IARS) | Iraq |
| IRISH RADIO TRANSMITTERS SOCIETY (IRTS) | Ireland |
| ISRAEL AMATEUR RADIO CLUB (IARC) | Israel |
| ASSOCIAZIONE RADIOAMATORI ITALIANI (ARI) | Italy |
| ROYAL JORDANIAN RADIO AMATEURS SOCIETY (RJARS) | Jordan |
| AMATEUR RADIO SOCIETY OF KENYA (ARSK) | Kenya |
| KUWAIT AMATEUR RADIO SOCIETY (KARS) | Kuwait |
| LATVIJAS RADIOAMATIERU LIGA (LRAL) | Latvia |
| RADIO AMATEURS OF LEBANON (RAL) | Lebanon |
| LESOTHO AMATEUR RADIO SOCIETY (LARS) | Lesotho |
| LIBERIA RADIO AMATEUR ASSOCIATION (LRAA) | Liberia |
| AMATEURFUNK VEREIN LIECHTENSTEIN (AFVL) | Liechtenstein |
| LIETUVOS RADIJO MEGEJU DRAUGIJA (LRMD) | Lithuania |
| RESEAU LUXEMBOURGEOIS DES AMATEURS D'ONDES COURTES (RL) | Luxembourg |
| CLUB DES RADIOAMATEURS ET AFFILIES DU MALI (CRAM) | Mali |
| MALTA AMATEUR RADIO LEAGUE (MARL) | Malta |
| MAURITIUS AMATEUR RADIO SOCIETY (MARS) | Mauritius |
| ASOCIATA RADIOAMATORILOR DIN REPUBLICA MOLDOVA (ARDM) | Moldova |
| ASSOCIATION DES RADIO AMATEURS DE MONACO (ARM) | Monaco |
| MONGOLIAN RADIO SPORT FEDERATION (MRSF) | Mongolia |
| MONTENEGRIN AMATEUR RADIO POOL (MARP) | Montenegro |
| ASSOCIATION ROYALE DES RADIO AMATEURS DU MAROC (ARRAM) | Morocco |
| LIGA DOS RADIO EMISSORES DE MOCAMBIQUE (LREM) | Mozambique |
| NAMIBIAN AMATEUR RADIO LEAGUE (NARL) | Namibia |
| VERENIGING VOOR EXPERIMENTEEL RADIO ONDERZOEK IN NEDERLAND (VERON) | Netherlands |
| NIGERIA AMATEUR RADIO SOCIETY (NARS) | Nigeria |
| NORSK RADIO RELAE LIGA (NRRL) | Norway |
| POLSKI ZWIAZEK KROTKOFALOWCOW (PZK) | Poland |
| REDE DOS EMISSORES PORTUGUESES (REP) | Portugal |
| QATAR AMATEUR RADIO SOCIETY (QARS) | Qatar |
| ASSOCIAZIONE RADIOAMATORI DELLA REPUBBLICA DI SAN MARINO (ARRSM) | Rep of San Marino |
| KAZAKHSTAN FEDERATION OF RADIOSPORTS AND RADIOAMATEUR (KFRR) | Republic Of Kazakhstan |
| ASSOCIATION DES RADIO AMATEURS DU SENEGAL (ARAS) | Republic of Senegal |
| ASSOCIATION DES RADIOAMATEURS DE GUINEE (ARGUI) | République de Guinée |
| FEDERATIA ROMANA DE RADIOAMATORISM (FRR) | Romania |
| SOYUZ RADIOLYUBITELEI ROSSII (SRR) | Russian Federation |
| RWANDA AMATEUR RADIO UNION (RARU) | Rwanda |
| SAVEZ RADIO-AMATERA SRBIJE (SRS) | Serbia |
| SIERRA LEONE AMATEUR RADIO SOCIETY (SLARS) | Sierra Leone |
| SLOVAK AMATEUR RADIO ASSOCIATION (SARA) | Slovakia |
| ZVEZA RADIOAMATERJEV SLOVENIJE (ZRS) | Slovenia |
| SOUTH AFRICAN RADIO LEAGUE (SARL) | South Africa |
| UNION DE RADIOAFICIONADOS ESPANOLAS (URE) | Spain |
| ROYAL OMANI AMATEUR RADIO SOCIETY (ROARS) | Sultanate of Oman |

| Nom | Pays |
|------------------------------------------------------------|----------------------|
| RADIO SOCIETY OF SWAZILAND (RSS) | Swaziland |
| FORENINGEN SVERIGES SANDAREAMATORER (SSA) | Sweden |
| UNION SCHWEIZERISCHER KURZWELLEN-AMATEURE (USKA) | Switzerland |
| SYRIAN SCIENTIFIC TECHNICAL AMATEUR RADIO SOCIETY (SSTARS) | Syria |
| TAJIKISTAN AMATEUR RADIO LEAGUE (TARL) | Tajikistan |
| TANZANIA AMATEUR RADIO CLUB (TARC) | Tanzania |
| ASSOCIATION DES RADIO AMATEURS TUNISIENS (ARAT) | Tunisia |
| TELSİZ RADYO AMATORLERİ CEMİYETİ (TRAC) | Turkey |
| LIGA RADIOLJUBITELY TURKMENISTANA (LRT) | Turkmenistan |
| UGANDA AMATEUR RADIO SOCIETY (UARS) | Uganda |
| UKRAINIAN AMATEUR RADIO LEAGUE (UARL) | Ukraine |
| EMIRATES AMATEUR RADIO SOCIETY (EARS) | United Arab Emirates |
| RADIO SOCIETY OF GREAT BRITAIN (RSGB) | United Kingdom |
| RADIO SOCIETY OF ZAMBIA (RSZ) | Zambia |
| ZIMBABWE AMATEUR RADIO SOCIETY (ZARS) | Zimbabwe |



Site Internet : <http://www.iaru-r2.org/>

| Member Societies | |
|------------------------------------------------------------------------------------|------------------------|
| Nom | Pays |
| Anguilla Amateur Radio Society [AARS] | ANGUILLA |
| Antigua and Barbuda Amateur Radio Society [ABARS] | ANTIGUA AND BARBUDA |
| Radio Club Argentino [RCA] | ARGENTINA |
| Aruba Amateur Radio Club [AARC] | ARUBA |
| Bahamas Amateur Radio Society [BARS] | BAHAMAS |
| Amateur Radio Society of Barbados [ARSB] | BARBADOS |
| Belize Amateur Radio Club [BARC] | BELIZE |
| Radio Society of Bermuda [RSB] | BERMUDA |
| Radio Club Boliviano [RCB] | BOLIVIA |
| Liga de Amadores Brasileiros de Radio Emissão [LABRE] | BRAZIL |
| British Virgin Islands Radio League [BVIRL] | BRITISH VIRGIN ISLANDS |
| Radio Amateurs of Canada [RAC] | CANADA |
| Cayman Amateur Radio Society [CARS] | CAYMAN ISLANDS |
| Radio Club de Chile [RCCH] | CHILE |
| Liga Colombiana de Radioaficionados [LCRA] | COLOMBIA |
| Radio Club de Costa Rica [RCCR] | COSTA RICA |
| Federacion de Radioaficionados de Cuba [FRC] | CUBA |
| Dominica Amateur Radio Club Inc. [DARCI] | DOMINICA |
| Radio Club Dominicano, Inc. [RCD] | DOMINICAN REPUBLIC |
| Guayaquil Radio Club [GRC] | ECUADOR |
| Club de Radio Aficionados de El Salvador [CRAS] | EL SALVADOR |
| Grenada Amateur Radio Club [GARC] | GRENADA |
| Club de Radioaficionados de Guatemala [CRAG] | GUATEMALA |
| Guyana Amateur Radio Association [GARA] | GUYANA |
| Radio Club d'Haiti [RCH] | HAITI |
| Radio Club de Honduras [RCH] | HONDURAS |
| Jamaica Amateur Radio Association [JARA] | JAMAICA |
| Federacion Mexicana de Radio Experimentadores [FMRE] | MEXICO |
| Montserrat Amateur Radio Society [MARS] | MONTSERRAT |
| Vereniging voor Experimenteel Radio Onderzoek, in de Nederlandse Antillen [VERONA] | NETHERLANDS ANTILLES |
| Club de Radio-Experimentadores de Nicaragua [CREN] | NICARAGUA |
| Liga Panamena de Radioaficionados [LPRA] | PANAMA |
| Radio Club Paraguayo [RCP] | PARAGUAY |
| Radio Club Peruano [RCP] | PERU |
| Vereniging van Radio Amateurs in Suriname [VRAS] | SURINAME |
| Trinidad and Tobago Amateur Radio Society [TTARS] | TRINIDAD & TOBAGO |
| Turks and Caicos Amateur Radio Society [TACARS] | TURKS & CAICOS ISLANDS |
| American Radio Relay League [ARRL] | U.S.A. |
| Radio Club Uruguayo [RCU] | URUGUAY |
| Radio Club Venezolano [RCV] | VENEZUELA |



Site Internet : <http://www.iaru-r3.org/>

| Member Societies | |
|---------------------------------------------------------------|--------------------------------------------|
| Nom | Pays |
| Wireless Institute of Australia [WIA] | AUSTRALIA |
| Bangladesh Amateur Radio League [BARL] | BANGLADESH |
| Brunei Darussalam Amateur Radio Association [BDARA] | BRUNEI DARUSSALAM |
| Chinese Radio Sports Association [CRSA] | CHINA |
| Chinese Taipei Amateur Radio League [CTARL] | CHINESE TAIPEI |
| Fiji Association of Radio Amateurs [FARA] | FIJI |
| Club Oceanien de Radio et d'Astronomie [CORA] | FRENCH POLYNESIA |
| Hong Kong Amateur Radio Transmitting Society [HARTS] | HONG KONG |
| Amateur Radio Society of India [ARSI] | INDIA |
| Organisasi Amatir Radio Indonesia [ORARI] | INDONESIA |
| Japan Amateur Radio League [JARL] | JAPAN |
| Korean Amateur Radio League [KARL] | REPUBLIC OF KOREA |
| Associacao dos Radioamadores de Macau [ARM] | MACAU |
| Malaysian Amateur Radio Transmitters' Society [MARTS] | MALAYSIA |
| Burma Amateur Radio Transmitting Society [BARTS] | MYANMAR (Membership temporarily suspended) |
| Association des Radio-Amateurs, de Nouvelle-Caledonie [ARANC] | NEW CALEDONIA |
| New Zealand Association of Radio Transmitters [NZART] | NEW ZEALAND |
| Pakistan Amateur Radio Society [PARS] | PAKISTAN |
| Philippine Amateur Radio Association [PARA] | PHILIPPINES |
| Pitcairn Island Amateur Radio Association [PIARA] | PITCAIRN ISLANDS |
| Samoa Amateur Radio Club [SARC] | SAMOA |
| Singapore Amateur Radio Transmitting Society [SARTS] | SINGAPORE |
| Solomon Islands Radio Society [SIRS] | SOLOMON ISLANDS |
| Radio Society of Sri Lanka [RSSL] | SRI LANKA |
| Radio Amateur Society of Thailand [RAST] | THAILAND |
| Amateur Radio Club of Tonga [ARCOT] | TONGA |
| American Radio Relay League [ARRL] | U.S.A. |
| Radio Society of Great Britain [RSGB] | UNITED KINGDOM |
| Vanuatu Amateur Radio Society [VARA] | VANUATU |
| Vietnam Amateur Radio Club [VARC] | VIETNAM |



Plan de bandes IARU

Et regroupement de fréquences

Plan de bande 2M - 145MHz radioamateur IARU région 1

| Frequency | maximum Bandwidth | MODE | USAGE |
|-----------|-------------------|-----------------------|--------------------------------------------------------------|
| 144.000 | 500Hz | Telegraphy (EME) | 144.032 R1 FNRASEC (CW) 144.050 Telagraphy calling |
| | | | 144.082 R2 FNRASEC (CW) |
| 144.110 | | | 144.100 Random MS |
| 144.110 | 500Hz | Telegraphy & MGM | 144.110-144.160 EME MGM |
| 144.150 | | | 144.138 PSK31 center of activity |
| 144.150 | 2700Hz | Telegraphy, MGM & SSB | 144.160-144.180 alternative MGM allocation |
| 144.180 | | | 144.170 alternative MGM calling frequency |
| 144.180 | 2700Hz | Telegraphy & SSB | 144.195-144.205 Random MS SSB |
| 144.360 | | | 144.300 SSB calling |
| 144.360 | 2700Hz | Telegraphy, MGM & SSB | 144.370 FSK441 Random calling |
| 144.399 | | | |
| 144.399 | 500Hz | Telegraphy & MGM | Beacons only |
| 144.491 | | | 144.4905 +/- 500Hz WSPR Beacons |
| 144.500 | 20 kHz | All Mode | 144.500 SSTV calling |
| | | | 144.525 ATV SSB talk back |
| | | | 144.600 RTTY Calling |
| | | | 144.630-144.660 Linear transponder OUT |
| | | | 144.660-144.690 Linear transponder IN |
| 144.794 | | | 144.700 FAX calling |
| | | | 144.750 ATV Talk back |
| 144.794 | 12 kHz | MGM | 144.800 APRS |
| 144.9625 | | | |
| 144.975 | 12kHz | FM / Digital Voice | Repeater input exclusive |
| 145.194 | | | |
| 145.194 | 12kHz | FM / Digital Voice | Space communicat |
| 145.206 | | | |
| 145.206 | 12 kHz | FM / Digital Voice | 145.2375 FM Internet Voice Gateway |
| | | | 145.2875 FM Internet Voice Gateway |
| | | | 145.300 RTTY local |
| | | | 145.3375 FM Internet Voice Gateway |
| | | | 145.375 digital voice calling |
| | | | 145.450 T1/R4 FNRASEC (Phonie et Transpondeur) |
| | | | 145.475 T2/R3 FNRASEC (Phonie et Transpondeur) |
| 145.5625 | | | 145.500 (mobile) calling |
| 145.575 | 12kHz | FM / Digital Voice | Repeater Output exclusive |
| 145.7935 | | | |
| 145.794 | 12kHz | FM / Digital Voice | Space communication |
| 145.806 | | | |
| 145.806 | 12kHz | All Mode | Satellite exclusive |
| 146.000 | | | |

Plan de bande modifié pour rajout fréquences FNRASEC

Plan de bande 6M - 50MHz radioamateur IARU région 1

| Frequency | maximum Bandwith | MODE | USAG |
|-----------|---------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50.000 | 500Hz | Telegraphy exclusive (except Beacon Project) | 50.000 - 010 Region 1* 50.010 - 020 Region 2* 50.020 - 030 Region 3* |
| 50.100 | | | 50.050 CW future international center of activity 50.090 Telegraphy center of activity |
| 50.100 | 2700Hz | Telegraphy & SSB | 50.100 - 130 Intercontinental Telegraphy/SSB 50.110 Intercontinental center of activity 50.130 - 200 International section 50.150 International center of activity |
| 50.200 | | | |
| 50.200 | 2700Hz | Telegraphy & SSB | General usage 50.285 for crossband |
| 50.300 | | | |
| 50.300 | 2700Hz | MGM Narrowband Telegraphy | 50.305 PSK Center of activity 50.310 - 320 EME center of activity 50.320 - 380 MS center of activity |
| 50.400 | | | |
| 50.400 | 1000Hz | MGM | BEACONS EXCLUSIVE |
| 50.500 | | Telegraphy | 50.401 MHz +/- 500Hz WSPR Beacons |
| 50.500 | 12 kHz | all mode | 50.510 SSTV (AFSK) 50.520 - 540 Fimplex FM Internet Voice Gatewas 50.550 Image working frequency 50.600 RTTY (FSK) 50.620 - 750 Digital communications 50.630 Digital Voice (DV) calling 51.210 - 390 FM/DV Repeater Inputs 51.410 - 590 FM/DV Simplex 51.510 FM calling frequency 51.810 - 51.990 FM repeaters output channels |
| 52.000 | | | |

Plan de bande HF radioamateur IARU région 1

| | FREQUENCY (kHz) | MAX BANDWIDTH (Hz) | PREFERRED MODE AND USAGE | |
|----------------|------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------|--------------|
| | Plan de bande modifié pour rajout fréquences FNRASEC (les fréquences sont a titre informatif) | | | |
| 135 KHz | 135.7 – 137.8 | 200 | CW, QRSS and narrow band digital modes | 222 M |
| 1.8 MHz | 1810 - 1838 | 200 | CW, 1836 kHz - QRP Centre of Activity | 160 M |
| | 1838 - 1840 | 500 | Narrow band modes | |
| | 1840 - 1843 | 2700 | All modes – digimodes, (*) | |
| | 1843 - 2000 | 2700 | All modes, (*) | |
| 3.5 MHz | 3500 - 3510 | 200 | CW, priority for intercontinental operation | 80 M |
| | 3510 - 3560 | 200 | CW, contest preferred, 3555 kHz - QRS Centre of Activity | |
| | | | 3532 - A1 - FNRASEC (CW) Centre of Activity | |
| | 3560 - 3580 | 200 | CW, 3560 kHz - QRP Centre of Activity | |
| | 3580 - 3590 | 500 | Narrow band modes - digimodes | |
| | | | 3582 - A2 - FNRASEC (CW and digimode) Centre of Activity | |
| | 3590 - 3600 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | |
| | 3600 - 3620 | 2700 | All modes - digimodes, automatically controlled data station (unattended), (*) | |
| | 3600 - 3650 | 2700 | All modes, 3630 kHz - Digital Voice Centre of Activity, SSB contest preferred, (*) | |
| | | | 3632 - A3 - FNRASEC (Phonie) Centre of Activity | |
| | | | 3682 - A4 - FNRASEC (Phonie) Centre of Activity | |
| | 3650 - 3700 | 2700 | All modes, 3690 kHz - SSB QRP Centre of Activity | |
| | 3700 - 3800 | 2700 | All modes, SSB contest preferred, 3735 kHz - Image Centre of Activity | |
| | | | EMCOM IARU 3760 kHz - Region 1 Emergency Centre of Activity | |
| | 3775 - 3800 | 2700 | All modes, priority for intercontinental operation | |

Intercontinental operations should be given priority in the segments 3500-3510 kHz and 3775-3800 kHz.

Where no DX traffic is involved, the contest segments should not include 3500-3510 kHz or 3775-3800 kHz. Member

3510-3600 kHz may be used for unmanned ARDF beacons (CW) (Davos 2005)

Member societies should approach their national telecommunication authorities and ask them not to allocate frequencies to

| | | | | |
|--------|---------------|------|----------------------------------------------------------------------------------------------|------|
| 7 MHz | 7000 - 7040 | 200 | CW, 7030 kHz - QRP Centre of Activity | 40 M |
| | | | 7032 - B1 FNRASEC (CW) Centre of Activity | |
| | 7040 - 7047 | 500 | Narrow band modes - digimodes | |
| | | | 7042 - B2 FNRASEC (CW, and digimode) Centre of Activity | |
| | 7047 - 7050 | 500 | Narrow band modes – digimodes, automatically controlled data stations (unattended) | |
| | 7050 - 7053 | 2700 | All modes - digimodes, automatically controlled data stations (unattended) (*) | |
| | 7053 - 7060 | 2700 | All modes - digimodes | |
| | 7060 - 7100 | 2700 | All modes, SSB contest preferred 7070 kHz - Digital Voice Centre of Activity | |
| | | | 7082 - B3 FNRASEC (Phonie) Centre of Activity | |
| | | | 7090 kHz - SSB QRP Centre of Activity | |
| 10 MHz | | | 7092 - B4 FNRASEC (Phonie) Centre of Activity | 30 M |
| | | | EMCOM IARU 7110 kHz – Region 1 Emergency Centre of Activity | |
| | 7100 - 7130 | 2700 | All modes | |
| | 7130 - 7200 | 2700 | All modes, SSB contest preferred, 7165 kHz - Image Centre of Activity | |
| | 7175 - 7200 | 2700 | All modes, priority for intercontinental operation | |
| | 10100 - 10140 | 200 | CW, 10116 kHz - QRP Centre of Activity | |
| | | | 10132 - C1 FNRASEC (CW) Centre of Activity | |
| 10 MHz | | | 10142 - C2 FNRASEC (CW, and digimodes) Centre of Activity | 30 M |
| | 10140 - 10150 | 500 | Narrow band modes – digimodes | |
| | | | 10132 & 10142 - C3 et C4 FNRASEC (Phonie) (voir FNRASEC-1) Centre of Activity | |

during local daylight hours.

News bulletins on any mode should not be transmitted on the 10 MHz band.

| | | | | |
|--------|---------------|-------------------|------------------------------------------------------------------------------------|------|
| 14 MHz | 14000 - 14060 | 200 | CW, contest preferred, 14055 kHz - QRS Centre of Activity | 20 M |
| | | | 14032 - D1 FNRASEC (CW) Centre of Activity | |
| | 14060 - 14070 | 200 | CW, 14060 kHz - QRP Centre of Activity | |
| | | | 14065 - FNRASEC (digimode) Centre of Activity | |
| | 14070 - 14089 | 500 | Narrow band modes - digimodes | |
| | | | 14082 - D2 FNRASEC (CW) Centre of Activity | |
| | 14089 - 14099 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | |
| | 14099 - 14101 | | IBP, exclusively for beacons | |
| | 14101 - 14112 | 2700 | All modes - digimodes, automatically controlled data stations (unattended) | |
| | 14112 - 14125 | 2700 | All modes | |
| 18 MHz | 14125 - 14300 | 2700 | All modes, SSB contest preferred, 14130 kHz - Digital Voice Centre of Activity | 17 M |
| | | | 14132 - D3 FNRASEC (Phonie) Centre of Activity | |
| | | | 14182 - D4 FNRASEC (Phonie) Centre of Activity | |
| | | | 14195 kHz \pm 5 kHz - Priority for Dxpeditions | |
| | | | 14230 kHz - Image Centre of Activity | |
| | | | 14285 kHz - SSB QRP Centre of Activity | |
| | | EMCOM IARU | 14300 kHz - Global Emergency centre of activity | |
| | 14300 - 14350 | 2700 | All modes | |
| | 18068 - 18095 | 200 | CW, 18086 kHz - QRP Centre of Activity | |
| | 18095 - 18105 | 500 | Narrow band modes - digimodes | |
| 18 MHz | 18105 - 18109 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | 17 M |
| | 18109 - 18111 | | IBP, exclusively for beacons | |
| | 18111 - 18120 | 2700 | All modes - digimodes, automatically controlled data stations (unattended) | |
| | 18120 - 18168 | 2700 | All modes, 18130 kHz - SSB QRP Centre of Activity | |
| | | | 18132 - E1/E3 FNRASEC (CW/Phonie) Centre of Activity | |
| | | | 18142 - E2/E4 FNRASEC (CW/Phonie) Centre of Activity | |
| | | | 18150 kHz - Digital Voice Centre of Activity | |
| | | EMCOM IARU | 18160 kHz - Global Emergency Centre of Activity | |

| | | | | |
|--------|---------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 21 MHz | 21000 - 21070 | 200 | CW, 21055 kHz - QRS Centre of Activity 21060 kHz - QRP Centre of Activity 21032 - F1 FNRASEC (CW) Centre of Activity 21082 - F2 FNRASEC (CW) Centre of Activity | 15 M |
| | 21070 - 21090 | 500 | Narrow band modes - digimodes | |
| | 21090 - 21110 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | |
| | 21110 - 21120 | 2700 | All modes (excluding SSB) - digimodes, automatically controlled data stations (unattended) | |
| | 21120 - 21149 | 500 | Narrow band modes | |
| | 21149 - 21151 | | IBP, exclusively for beacons | |
| | 21151 - 21450 | 2700 | All modes, 21180 kHz - Digital Voice Centre of Activity 21232 - F3 FNRASEC (Phonie) Centre of Activity 21282 - F4 FNRASEC (Phonie) Centre of Activity 21285 kHz - SSB QRP Centre of Activity 21340 kHz - Image Centre of Activity EMCOM IARU 21360 kHz - Global Emergency Centre of Activity | |
| | | | | |
| 24 MHz | 24890 - 24915 | 200 | CW, 24906 kHz - QRP centre of activity | 12 M |
| | 24915 - 24925 | 500 | Narrow band modes - digimodes | |
| | 24925 - 24929 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | |
| | 24929 - 24931 | | IBP, exclusively for beacons | |
| | | | 24932 - G1/G3 FNRASEC (CW/Phonie) Centre of Activity 24942 - G2/G4 FNRASEC (CW/Phonie) Centre of Activity | |
| | 24931 - 24940 | 2700 | All modes - digimodes, automatically controlled data stations (unattended) | |
| | 24940 - 24990 | 2700 | All modes, 24960 kHz - Digital Voice Centre of Activity | |

| | | | | |
|--------|---------------|------|------------------------------------------------------------------------------------------------------|------|
| 28 MHz | 28000 - 28070 | 200 | CW, 28055 kHz - QRS Centre of Activity | 10 M |
| | | | 28032 - H1 FNRASEC (CW) Centre of Activity | |
| | | | 28060 kHz - QRP Centre of Activity | |
| | | | 28082 - H2 FNRASEC (CW) Centre of Activity | |
| | 28070 - 28120 | 500 | Narrow band modes - digimodes | |
| | 28120 - 28150 | 500 | Narrow band modes - digimodes, automatically controlled data stations (unattended) | |
| | 28150 - 28190 | 500 | Narrow band modes | |
| | 28190 - 28199 | | IBP, regional time shared beacons | |
| | 28199 - 28201 | | IBP, worldwide time shared beacons | |
| | 28201 - 28225 | | IBP, continuous duty beacons | |
| | 28225 - 28300 | 2700 | All modes - beacons | |
| | 28300 - 28320 | 2700 | All modes - digimodes, automatically controlled data stations (unattended) | |
| | 28320 - 29100 | 2700 | All modes, 28330 kHz - Digital Voice Centre of Activity 28360 kHz - SSB QRP Centre of Activity | |
| | | | 28532 - H3 FNRASEC (Phonie) Centre of Activity | |
| | | | 28582 - H4 FNRASEC (Phonie) Centre of Activity | |
| | | | 28680 kHz - Image Centre of Activity | |
| | 29100 - 29200 | 6000 | All modes - FM simplex – 10 kHz channels | |
| | 29200 - 29300 | 6000 | All modes - digimodes, automatically controlled data stations (unattended) | |
| | 29300 - 29510 | 6000 | Satellite-downlink | |
| | 29510 – 29520 | | Guard channel | |
| | 29520 – 29590 | 6000 | All modes - FM repeater input (RH1 – RH8) | |
| | 29600 | 6000 | All modes - FM calling channel | |
| | 29610 | 6000 | All modes - FM simplex repeater (parrot - input and output) | |
| | 29620 - 29700 | 6000 | All modes - FM repeater outputs (RH1 – RH8) | |

Member societies should advise operators not to transmit on frequencies between 29.3 and 29.51 MHz to avoid interference to Preferred NBFM operating frequencies on each 10 kHz from 29.110 to 29.290 MHz inclusive should be used.

A deviation of ± 2.5 kHz being used with 2.5 kHz as maximum modulation frequency.

Modifications of band plan version 29 March 2009 (Cavtat) made by the General Conference

1. CW contest-preferred segment from 7000-7025kHz withdrawn from the Region 1 band plan.
2. Shift of 10m FM simplex channels 29520 - 29550 kHz and 29610 – 29650 kHz to 29110 – 29190 kHz.
3. Four new FM Repeater channels added: 29520 – 29550 kHz (input), respectively 29620 – 29650 kHz (output), Channels renumbered: RH1 = 29520/29620 kHz ... RH8 = 29590/29690 kHz.

[4. FM Repeater \(Simplex\) on 29610 kHz \(input and output, parrot\). ON4PC has been appointed as 10m FM repeater coordinator for IARU Region 1.](#)

DEFINITIONS

All modes CW, SSB and those modes listed as Centres of Activity, plus AM (Consideration should be given to

Image modes Any analogue or digital image modes within the appropriate bandwidth, for example SSTV and FAX.

Narrow band mode All modes using up to 500 Hz bandwidth, including CW, RTTY, PSK etc.

Digimodes Any digital mode used within the appropriate bandwidth, for example RTTY, PSK, MT63 etc.

(*) Lowest dial setting for LSB Voice mode: 1843, 3603 and 7053 kHz

NOTES

Amplitude modulation (AM) may be used in the telephony sub-bands providing consideration is given to adjacent channel

CW QSOs are accepted across all bands, except within beacon segments. (Recommendation DV05_C4_Rec_13)

Contests:

Contest activity shall not take place on the 10, 18 and 24 MHz bands.

Non-contesting radio amateurs are recommended to use the contest-free HF bands (30, 17 and 12m) during the largest international contests. (DV05_C4_Rev_07)

Member societies are encouraged to publish contest operating segments clearly in the rules of their contests and that

The CW contest-preferred segment from 7000-7025kHz has been withdrawn from the Region 1 band plan . Societies should

Unmanned transmitting stations:

IARU member societies are requested to limit this activity on the HF bands. It is recommended that any unmanned

The term “automatically controlled data stations” includes Store and Forward stations.

The frequencies in the bandplan are understood as “transmitted frequencies” (not those of the suppressed carrier!)

Sideband Usage Below 10MHz use lower sideband (LSB), above 10 MHz use upper sideband (USB)



Les QSO Réguliers

La diffusion des bulletins associatifs

Les fréquences à thèmes



QSO Réguliers

| HF | | | | | | | |
|------|---------------------------|--------------|---------------|--------------|------|-------------|--------------|
| Dépt | Jour | Heure locale | Frequance (*) | Animateur | Mode | Source Info | Observations |
| 1 | dimanche | 09h30 | 3,705 MHz | F5HCH | SSB | F6GGX | |
| 2A | | | | | | | |
| 2B | Vendredi | 20h30 | 3,709,5 MHz | TK5AP | SSB | TK1LG | |
| 3 | dimanche | 09h00 | 3,703 MHz | F4LKC | SSB | F4EFL | |
| 4 | mercredi | 19h00 | 3,705 MHz | F6FRA | SSB | F6FRA | |
| 5 | dimanche | 09h30 | 3,715 MHz | F3MJ | SSB | F6DNM | |
| 6 | dimanche | 09h00 | 3,750 MHz | | | F1BDB | TVA 145,5 |
| 9 | dimanche | 08h30 | 3,707 MHz | F5PDQ, F5BYL | SSB | F5BYL | |
| 10 | lundi au samedi | | 3,752 MHz | | SSB | F6HIW | |
| | lundi au samedi | | 28,615 MHz | | SSB | F6HIW | |
| | dimanche | 09h30 | 3,752 MHz | | SSB | F6HIW | |
| 12 | dimanche | 09h45 | 3,606 MHz | | | F5SIZ | |
| | T les jours | 08h00 | 3,603 MHz | | | F5SIZ | |
| | T les jours sauf dimanche | 11h30 | 3,606 MHz | | SSB | F5SIZ | |
| 13 | T les jours | 08h00 | 3,707 MHz | F6GMO | SSB | F16781 | |
| | samedi | 09h30 | 28,305 MHz | F9OJ | SSB | F16781 | |
| 16 | dimanche | 10h00 | 3,614 MHz | F6ANA | SSB | F6BYJ | |
| 17 | dimanche | 09h00 | 3,603 MHz | F6FED | SSB | F1MMR | |
| 21 | dimanche | 10h00 | 3,696 MHz | | SSB | F6CUG | |
| 23 | dimanche | 09h00 | 3,723 MHz | F2QJ | SSB | F5HX | |
| 24 | dimanche | 10h00 | 3,754 MHz | F8AOW | SSB | F1FOO | |
| 26 | dimanche | 09h00 | 3,626 MHz | | SSB | F6FYD | |
| 27 | dimanche | 10h30 | 3,750 MHz | F3YP | SSB | F5UTN | |
| 29 | vendredi | 21h00 | 3,629 MHz | F6CNM | SSB | F6CNM | |
| 30 | pas de QSO | | | | | F1JKJ | |
| 31 | dimanche | 09h30 | 3,621 MHz | F6HLE | SSB | F5TMJ | |
| | samedi | 10h00 | 28,802 MHz | F6ITD/F6HIQ | SSB | F5TMJ | |
| 36 | mercredi | 09h30 | 3,636 MHz | | SSB | F8CSL | |
| | mercredi | 09h00 | 3,536 MHz | | CW | F8CSL | |
| 38 | dimanche | 09h00 | 3,760 MHz | F2AY | SSB | F5AQB | |
| 40 | pas de QSO | | | | | F5OZP | |
| 42 | pas de QSO | | | | | | |
| 44 | dr vendredi/mois | 19h00 | 3,650 MHz | | SSB | F5AAR | régional |
| | dimanche | 09h30 | 3,544 MHz | | CW | F5CTP | |
| | dimanche | 10h | 3,644 MHz | | SSB | F5CTP | |
| 46 | dimanche | 9h | 3,646 MHz | F8RC | SSB | F2KN | |
| 47 | dimanche | 9h | 3,650 MHz | | SSB | F2FZ | |
| 48 | mercredi | 18h | 3,620 MHz | | SSB | F8DZC | |
| 49 | dimanche | 09h30 | 3,673 MHz | | SSB | F5AAR | |
| | dr vendredi/mois | 19h | 3,650 MHz | | SSB | F5AAR | régional |
| 50 | dimanche | 10h30 | 3,6465 MHz | F1AKX | SSB | F4HGI | |

HF

| Dépt | Jour | Heure locale | Fréquence (*) | Animateur | Mode | Source Info | Observations |
|------|---------------------|--------------|---------------|-------------|--------|-------------|-------------------------------------------------------------------------------------------------------|
| 53 | vendredi/mois | 19h00 | 3,650 MHz | | SSB | F5AAR | régional |
| 55 | pas de QSO | | | | | F4DDF | |
| 56 | samedi | 11h00 | 3,680 MHz | F6CMD | SSB | F6CMD | |
| 59 | mardi, vendredi | 09h30 | 3,640 MHz | | SSB | F1OXM | |
| 59 | mercredi | 07h00 | 3,640 MHz | F6BDM | SSB | F1OXM | |
| 59 | mercredi | 08h00 | 3,675 MHz | F6BDM | SSB | F1OXM | |
| 60 | dimanche | 09h30 | 3,640 MHz | F5MOW | SSB | F1OXM | |
| 62 | dimanche | 09h30 | 3,728 MHz | F6FXB | SSB | F6IEO | |
| 63 | pas de QSO | | | | | F6BDE | |
| 64 | dimanche | 09h00 | 3,624 MHz | | SSB | F4API | |
| 65 | dimanche | 11h00 | 3,765 MHz | | SSB | F6FCW | |
| 66 | dimanche | 8h30/ 9 h | 3,766 MHz | F6GOI | CW/SSB | F6HTJ | |
| 66 | Dimanche | 19h00 | 80/40 | F5IF | SSB | F5IF | bande suivant propag voir sur http://www.f8bsy.com/atv/ |
| 67 | dimanche | 09h30 | 3,618 MHz | F6BBK | SSB | F6IRS | |
| 67 | dimanche | 10h30 | 28,900 MHz | F5PWH/F6GID | SSB | F6IRS | |
| 72 | dr vendredi/mois | 19h00 | 3,650 MHz | | SSB | F5AAR | régional |
| 73 | dimanche | 09h00 | 3,660 MHz | F6CZQ | SSB | F6FWM | |
| 74 | pas de QSO | | | | | F6BIG | |
| 77 | pas de QSO | | | | | F6BEV | |
| 79 | pas de QSO | | | | | F5OQL | |
| 80 | dimanche | 08h30 | 3,624 MHz | F8WA | | F5INJ | |
| 81 | dimanche | 09h15 | 3,7275MHz | F6EEZ | SSB | F5AGQ | |
| 85 | dr vendredi/mois | 19h00 | 3,650 MHz | | SSB | F5AAR | régional |
| 85 | dimanche | 09h00 | 3,685 MHz | F5MTO | SSB | F4DAI | |
| 86 | dimanche | 10h | 3,686 MHz | F6HRL | SSB | F8DYD | |
| 87 | pas de QSO | | | | | F1SQK | |
| 94 | pas de QSO | | | | | F5JBE | |
| 95 | dimanche | 09h30 | 28,950 MHz | | SSB | F6DEO | |

| VHF | | | | | | | |
|------|-------------------------------|--------------|------------------|-------------|------|-------------|-----------------------|
| Dépt | Jour | Heure locale | Fréquence | Animateur | Mode | Source Info | Observations |
| 1 | dimanche | 10h00 | 145,6375 MHz | F5HCH | FM | F6GGX | R1X |
| 3 | dimanche | 11h00 | 145,200/431 MHz | F4EFL | FM | F4EFL | |
| 6 | pas de QSO | | | | | F1BDB | TVA 145,5 |
| 10 | dimanche | 11h00 | 145,6125 MHz | F5KOB | FM | F6HIW | |
| 12 | dimanche | 8h45 | 145,7125 MHz | | | F5SIZ | R4X |
| | T les jours | 07h00 | 145,7125 MHz | | FM | F5SIZ | R4X |
| 13 | jeudi | 19h00 | 145,775 MHz | F6GMO | FM | F16781 | R7 |
| 16 | lundi | 18h30 | 145,625 MHz | F6IHA/F6BYJ | FM | F6BYJ | R1 |
| 25 | a l'écoute du 39 | | | | | F4FEA | intervention possible |
| 28 | 1 ^{er} dimanche/mois | 10h00 | 145,7125 MHz | | | F5RAB | ADRASEC |
| 29 | dimanche | 11h00 | 145,625 MHz | | FM | F6CNM | R1 |
| 31 | mercredi | 21h00 | 145,7875 MHz | F4DQC/F1PVR | | F5TMJ | R7X |
| 32 | dimanche | 11h | 145,625 MHz | ED32 | FM | F8DJD | |
| 34 | mardi | 18h50 | 145,6875 MHz | F5OFS | FM | F5OFS | R3X |
| | vendredi | 18h30 | 145,6875 MHz | F0EZY | FM | F5OFS | R3X |
| | Tous les jours | 18h30 | 145,525 MHz | F4CZH | FM | F5OFS | |
| 35 | mardi | 21h00 | 144,050 MHz | | CW | F5VJD | |
| | jeudi | 18h30 | 144,335 MHz | | SSB | F5VJD | |
| | T les jours | 09h30 | 144,370 MHz | F1AWQ | SSB | F5VJD | zone nord |
| | T les jours | 18h45 | 145,575 MHz | F1AWQ | FM | F5VJD | zone nord |
| 36 | T les jours | 19h00 | 144,070 MHz | | CW | F8CSL | |
| 36 | dimanche | 11h00 | 145,6375 MHz | | FM | F8CSL | |
| 38 | dimanche | 10h00 | 144,300 MHz | F2AY | SSB | F5AQB | |
| 39 | vendredi | 19h00 | R7/145,750 MHz | F1PUZ | FM | F1DUE | |
| 40 | pas de QSO | | | | | F5OZP | |
| 44 | dimanche | 11h00 | 145,750 MHz | | FM | F5CTP | R6 |
| | mercredi | 21h00 | 145,350 MHz | F6KBG | FM | F5CTP | CERIA |
| 47 | lundi au vendredi | 8h-9h | 145,600 MHz | | FM | F2FZ | R0 |
| 47 | jeudi | 20h45 | 145,600 MHz | | FM | F2FZ | R0 |
| 49 | Tous les jours | 18h45 | 144,500 MHz | F6KSO | FM | F4FSB | et SSTV |
| 50 | dimanche | 10h00 | 145,6875 / F5ZHY | F1FSU | FM | F6ACH | |
| 51 | dimanche | 09h30 | 145,6375 MHz | F5UDW | FM | F5UDW | |
| 52 | jeudi | 21h00 | 145,700 MHz | F2TH | FM | F4EEH | |
| 55 | pas de QSO | | | | | F4DDF | |
| 56 | dimanche | 11h00 | 144,525 MHz | F6KTH/F6DZD | SSB | F6DZD | |
| 57 | vendredi | 19h00 | 145,675 MHz | F1PHB | FM | F1NGP | |
| 58 | dimanche | 10h30 | 145,250 MHz | | FM | F6FWO | |
| | dimanche | 10h30 | 431,250 MHz | | FM | F6FWO | |

| VHF | | | | | | | |
|------|----------------------------------------|--------------|--------------|-----------------------|------|-------------|-----------------------|
| Dépt | Jour | Heure locale | Fréquence | Animateur | Mode | Source Info | Observations |
| 59 | lundi, vendredi | 21h00 | 145,2125 MHz | | FM | F1OXM | |
| | mercredi | 21h00 | 50,310 MHz | | SSB | F1OXM | |
| | lundi, vendredi | 21h00 | 430,075MHz | | SSB | F1OXM | |
| 60 | dimanche | 10h15 | 144,375 MHz | F1APT | SSB | F1HPW | |
| | mercredi | 21h00 | 145,750 MHz | RC | FM | F1HPW | R6 |
| | T les soirs | 18h20 | 144,375 MHz | F1APT | SSB | F1HPW | |
| | T les soirs | 18h30 | 145,575 MHz | F8NP | FM | F1HPW | |
| 62 | vendredi | 21h000 | 145,6875 MHz | F0FLE | FM | F4DVJ | |
| 63 | pas de QSO | | | | | F6BDE | |
| 64 | dimanche | 10h00 | 145,700 MHz | | FM | F4API | Pierre St Martin |
| 65 | samedi | 14h00 | 144,220 MHz | | SSB | F6FCW | |
| 66 | mercredi | 19h00 | 145,637 MHz | | FM | F6HTJ | |
| | mercredi | 19h00 | 145,2875 MHz | | FM | F6HTJ | |
| | dimanche | 11h00 | 145,6625 MHz | | FM | F6HTJ | interdépartement s |
| | mercredi | 22h00 | 144,250 MHz | F5IF | CW | F6HTJ | |
| 67 | vendredi | 20h00 | 145,400 MHz | F5BU | FM | F6IRS | |
| 68 | lundi semaine paire | 19h00 | 145,625 MHz | | FM | F5AHO | |
| 70 | vendredi | 19h00 | 145,750 MHz | F1PUZ | FM | F1DUE | R6 |
| 72 | dimanche | 11h30 | 145,525 MHz | F6BRW | FM | F1PPH | |
| 74 | pas de QSO | | | | | F6BIG | |
| 77 | dimanche | 10h00 | 145,650 MHz | F6BIV, F5GVA, F2AI | FM | F6BIV | R2 |
| 78 | pas de QSO | | | | | F9DK | |
| 79 | pas de QSO | | | | | F5OQL | |
| 80 | dimanche | 10h 30 | 145,750 MHz | F5UBN, F5PCL | FM | F8AHQ | relais d'Albert |
| 81 | dimanche | 10h00 | 145,750 MHz | F5AGQ | FM | F5AGQ | R6 |
| 82 | dimanche | 10h 30 | 145,775 MHz | F0ETY | FM | F0ETY | |
| 83 | vendredi | 18h30 | 145,725 MHz | F4AHJ | FM | | |
| 83 | T les jours | 06h45 | 145,725 MHz | F4AHJ | FM | | |
| 87 | pas de QSO | | | | | F1SQK | |
| 91 | vendredi (sauf le 3ième du mois) | 21h00 | 145,525 MHz | | FM | F5NCF | |
| 92 | dimanche | 09h30 | 145,550 MHz | F8FJH | FM | F8FJH | |
| 94 | pas de QSO | | | | | F5JBE | |
| 95 | jeudi | 21h00 | 145,450 MHz | F5OGM | FM | F6DEO | |

Tableau des fréquences utilisables en mode numérique

| | | |
|------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 160 Mètres | 1.838.150 PSK31,Stream,Etc | 1.890 SSTV |
| 80 Mètres | 3.580.150 to 3.620 Data (Rtty,PSK31,Hell,Stream) | 3.620 to 3.635 Packet 3.845 SSTV |
| 40 Mètres | 7.032 APRS | 7.035.150 PSK31 7.037 Stream, Hell 7.047 08:00 UTC Météo PSK250 7.080 RTTY 7.171 SSTV |
| 30 Mètres | 10.130 PSK31 | 10.130 to 10.140 RTTY 10.137 Hellschreiber 10.140 to 10.150 Packet 10.147 APRS 10.148 Pskmail |
| 20 Mètres | 14.063.5 Hellschreiber | 14.070.150 PSK31 14.070 to 14.095 RTTY 14.077 08:00 UTC Météo PSK250 14.102 APRS 14.230 to 14.233 SSTV |
| 17 Mètres | 18.100 to 18.150 RTTY | 18.103 Hellschreiber 17.105 Stream 18.105 to 18.110 Packet |
| 15 mètres | 21.063 Hellschreiber | 21.070 to 21.100 RTTY 21.080.150 PSK31, Stream 21.340 SSTV |
| 12 Mètres | 24.920 to 24.925 RTTY | 24.925 to 24.930 Packet 24.929 Stream |
| 10 Mètres | 28.070 to 28.150 RTTY | 28.080 Stream 28.120.150 PSK31, Hell 28.680 to 28.700 SSTV 28.690 SSTV 29.250 APRS |
| 6 Mètres | 50.680 SSTV | |
| 2 Mètres | 144.500 / 144.600 SSTV | 144.800 APRS |
| APRS | SSTV | Packet Hell et Stream Météo PSK250 RTTY PSK |

| bande | Fréquence | | Mode |
|-------|------------|--------------|------------------------------------|
| 160M | 1.810 | | RTTY |
| | 1.836 | | Opéra |
| | 1.836.600 | à 1.838.100 | WSPR |
| | 1.838.15 | | JT65/Throb/PSK/MFSK |
| | 1.840 | | ROS |
| | 1.890 | à 1.916 | SSTV |
| 80M | 3.574 | | Hell |
| | 3.575 | | Opéra |
| | 3.576 | | JT65 |
| | 3.577 | | RTTYM/Olivia/Contestia |
| | 3.580 | | Throb/RTTY/PSK/MFSK |
| | 3.582 | | RTTY/Olivia |
| | 3.582.5 | | RTTYM/Contestia |
| | 3.583 | | ROS |
| | 3.584 | | RTTY/ROS |
| | 3.585 | à 3.589 | ROS |
| | 3.592.600 | à 3.594.100 | WSPR |
| | 3.730 | à 3.587 | SSTV |
| | 3.733 | | DRM |
| 40M | 7.032 | | APRS |
| | 7.033 | | SSTV |
| | 7.035.15 | | PSK |
| | 7.037 | | Throb/MFSK |
| | 7.038 | | Opéra/DominoEX |
| | 7.038.600 | à 7.040.100 | WSPR |
| | 7.038.5 | | RTTYM/Olivia/Contestia |
| | 7.039 | | Hell/JT65/ROS |
| | 7.040 | | RTTY |
| | 7.042 | | RTTY/dominoEX |
| | 7.044 | | RTTY/ROS |
| | 7.045 | | SSTV |
| | 7.055 | | ROS |
| | 7.070 | | PSK |
| | 7.072 | | DominoEX |
| | 7.072.5 | | RTTYM/Olivia/Contestia |
| | 7.076 | | JT65 |
| | 7.080 | à 7.082 | RTTY |
| | 7.084 | | RTTY/Hell |
| | 7.115 | | ROS |
| | 7.170 | à 7.172 | SSTV |
| 30M | 10.110 | à 10.114 | RTTY |
| | 10.130 | | PSK |
| | 10.133 | | Contestia/RTTYM/Olivia/ROS |
| | 10.134 | | Hell/ROS |
| | 10.135 | | Opéra |
| | 10.138.700 | à 10.140.200 | WSPR |
| | 10.140 | | PSK |
| | 10.147 | | Throb/MFSK |
| | 10.147 | à 10.148 | Serveur Pskmail |
| | 10.148 | | DominoEX |
| | 10.149.3 | | APRS(300) Net104 International FRG |

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|--|-----------|
| | RTTY |
| | RTTYM |
| | Opéra |
| | WSPR |
| | JT65 |
| | JT44 |
| | Throb |
| | PSK |
| | MFSK |
| | ROS |
| | SSTV |
| | Hell |
| | Olivia |
| | Contestia |
| | DRM |
| | APRS |
| | DominoEX |
| | FSK441 |

| bande | Fréquence | | Mode |
|-------|------------|--------------|----------------------------------|
| 20M | 14.063.5 | | Hell |
| | 14.065 | | Opéra |
| | 14.070.15 | | PSK |
| | 14.072 | 14.074 | MFSK |
| | 14.075 | | RTTYM/Olivia/Contestia |
| | 14.076 | | JT65/MFSK/DominoEX |
| | 14.077 | | RTTYM/Olivia/Contestia |
| | 14.078 | | MFSK/DominoEX |
| | 14.080 | | Throb/RTTY/PSK |
| | 14.082 | à 14.084 | RTTY |
| | 14.095.600 | à 14.097.100 | WSPR |
| | 14.100 | à 14.112 | Packet |
| | 14.101 | | ROS |
| | 14.102 | | Contestia |
| | 14.103 | | ROS |
| | 14.104.7 | | APRS (300), NET104 |
| | 14.106 | à 14.108 | RTTYM/Olivia/Contestia |
| | 14.116 | à 14.118 | ROS |
| | 14.227 | à 14.236 | SSTV |
| 17M | 18.100 | | RTTY/PSK |
| | 18.102 | | JT65/RTTY/RTTYM/Olivia/Contestia |
| | 18.104 | | Hell/RTTY |
| | 18.104.600 | à 18.106.100 | WSPR |
| | 18.104.7 | | APRS(300), Net104 Fall Back |
| | 18.105 | | Throb/MFSK/Opéra |
| | 18.107 | à 18.111 | ROS |
| | 18.160 | | SSTV |
| 15M | 21.070 | | PSK |
| | 21.074 | | Opéra/Hell |
| | 21.076 | | JT65 |
| | 21.080 | | Throb/RTTY/PSK/MFSK |
| | 21.082 | | RTTY/MFSK |
| | 21.084 | | MFSK/RTTY |
| | 21.086 | | Contestia |
| | 21.086.5 | | RTTYM/Olivia |
| | 21.094.600 | à 21.096.100 | WSPR |
| | 21.110 | à 21.115 | ROS |
| | 21.334 | à 21.349 | SSTV |
| 12M | 24.916 | | ROS |
| | 24.920 | | JT65/RTTY/PSK |
| | 24.922 | | RTTY |
| | 24.924 | | RTTY/Hell |
| | 24.924.600 | à 24.926.100 | WSPR |
| | 24.925 | | Opéra |
| | 24.926 | | ROS |
| | 24.929 | | Throb/MFSK |
| | 24.975 | | SSTV |

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|--|-----------|
| | RTTY |
| | RTTYM |
| | Opéra |
| | WSPR |
| | JT65 |
| | JT44 |
| | Throb |
| | PSK |
| | MFSK |
| | ROS |
| | SSTV |
| | Hell |
| | Olivia |
| | Contestia |
| | DRM |
| | APRS/PKT |
| | DominoEX |
| | FSK441 |

| bande | Fréquence | | Mode |
|-------|------------|---------------|-----------------------------|
| 10M | 28.074 | | Hell |
| | 28.075 | | Opéra |
| | 28.076 | | JT65/RTTYM/Olivia/Contestia |
| | 28.080 | | MFSK/RTTY/Hell/Throb |
| | 28.082 | à 28.084 | RTTY/MFSK |
| | 28.104.7 | | APRS(300), Net 104 |
| | 28.120.15 | | PSK |
| | 28.124.600 | à 28.126.100 | WSPR |
| | 28.185 | à 28.295 | ROS |
| | 28.673 | à 28.790 | SSTV |
| | 29.250 | | APRS(300) |
| 6M | 50.250 | | PSK |
| | 50.255 | | JT44 |
| | 50.260 | à 50.280 | FSK441 |
| | 50.285 | | PSK |
| | 50.293 | à 50.294.5 | WSPR |
| | 50.295 | | ROS |
| | 50.385 | | PSK-FR |
| | 50.500 | | Hell |
| | 50.510 | | SSTV |
| | 50.600 | | RTTY |
| | 50.680 | | SSTV |
| | 50.700 | à 50.701 | Opéra |
| 2M | 144.138 | | PSK |
| | 144.170 | | SSTV |
| | 144.489 | à 144.490.500 | WSPR |
| | 144.525 | | Retour SON SSTV |
| | 144.600 | | RTTY |
| | 144.725 | à 144.775 | Retour SON SSTV |
| | 144.800 | | APRS (1200) |
| | 144.980 | | ROS |
| 70CM | 432.088 | | PSK |
| | 432.097 | | ROS |
| | 432.370 | | FSK441 |
| | 432.500 | | SSTV |
| | 432.600 | | RTTY |

| | |
|--|-----------|
| | RTTY |
| | RTTYM |
| | Opéra |
| | WSPR |
| | JT65 |
| | JT44 |
| | Throb |
| | PSK |
| | MFSK |
| | ROS |
| | SSTV |
| | Hell |
| | Olivia |
| | Contestia |
| | DRM |
| | APRS |
| | DominoEX |
| | FSK441 |

Systeme PSK Mail

(Center Frequencies): Display -1kHz all USB, example 10148Khz = 10147KHz on your RIG.

(Receive RSID ON): The server is able to switch modes automatically when you transmit using **TxID in your client**.

(PSK500R): This mode is in fldigi 3.20, you can get that here: <http://hermes.esrac.ele.tue.nl/pskmail/fldigi>

| Station | Country | Time (UTC) | Freq. | Beacon min. | Mode | Status | QSY |
|---------------------------|-------------|---------------|-----------------|-------------|-----------------|--------|---------|
| PI4TUE | NETHERLANDS | 00:00 - 00:00 | Scanning | 0,4 | PSK500R | Active | summon |
| SM0RWO | SWEDEN | 00:00 - 00:00 | Scanning | 1,3,4 | PSK500R | Active | No QSY |
| | | | 14.074,0 | | PSK500R | | |
| PA0SON-4 | NETHERLANDS | 00:00 - 00:00 | ant dir 160Degr | 1 | | Active | No QSY |
| VE7SUN | CANADA | 00:00 - 00:00 | 10.148.00 | 0 | PSK500R | Active | No QSY |
| WB5CON | USA | 00:00 - 00:00 | 10.148.0 | 2 | PSK250 | Active | NO QSY |
| IS0GRB-3 | ITALY | 00:00 - 00:00 | 10147.0 | 1,2 | PSK500R | Active | No QSY |
| VK2ETA-1 | AUSTRALIA | 00:00 - 00:00 | Scanning | 0 | THOR22 | Active | 7188.50 |
| VK2ZSZ-1 | AUSTRALIA | 00:00 - 00:00 | 10148.50 | 0,20,40,etc | PSK125 | Active | No QSY |
| KD5WDQ | USA | 00:00 - 00:00 | 10.148,0 | 3 | PSK250 | Active | NO QSY |
| KD4QCL | USA | 00:00 - 00:00 | 10.148,0 | 4 | PSK250 | Active | NO QSY |
| DA5UWG | GERMANY | 00:00 - 00:00 | 3.589 | 0 | PSK500R | Active | NO QSY |
| | | | | | PSK250 | | |
| DL9YCS-3 | GERMANY | 00:00 - 00:00 | 10.148,0 | 0 | Receive RSID on | Active | NO QSY |
| | | | | | THOR22 | | |
| K3UK | USA | 00.00 - 00:00 | 10.148,0 | 0, 30 | Receive RSID on | Active | NO QSY |
| | | | | | PSK250 | | |
| WO5O-5 | USA | 00:00-00:00 | 10.148,0 | 0 | Receive RSID on | Active | No QSY |
| DK4XI-10 | Germany | 00:00-00:00 | 28.148.0 | 0 | PSK250 | Active | NoQSY |
| DK4XI-15 | Germany | 00:00-00:00 | 21.098.0 | 0 | PSK250 | Active | NoQSY |
| DK4XI-20 | Germany | 00:00-00:00 | 14.091.0 | 0 | PSK250 | Active | NoQSY |
| DK4XI-30 | Germany | 00:00-00:00 | 10.148.0 | 2 | PSK250 | Active | NoQSY |
| DK4XI-40 | Germany | 00:00-00:00 | 7.048.0 | 0 | PSK250 | Active | NoQSY |
| DK4XI-80 | Germany | 00:00-00:00 | 3.588.0 | 0 | PSK250 | Active | NoQSY |
| HB9XQ-30 | Swiss | 00:00-00:00 | 10.148.0 | 4 | PSK250 | Active | NoQSY |
| OH9RHF-3 | Finnland | 00:00-00:00 | 10.148.0 | 0 | PSK250 | Active | NoQSY |
| S54FAA-30 | Slowenien | 00:00-00:00 | 10.148.0 | 6 | PSK250 | Active | NoQSY |
| CT1JNQ-30 | Portugal | 00:00-00:00 | 10.148.0 | 0 | PSK250 | Active | NoQSY |

Source : <http://pskmail.wikispaces.com/PSKmailservers>

| Scanning servers (Fréquence centrale) | | | | | | QSY Traffic | Status |
|---------------------------------------|----------|----------|----------|----------|----------|---------------------------------|--------|
| Call | min. 0 | min. 1 | min. 2 | min. 3 | min. 4 | | |
| SM0RWO | 10147.00 | 10147.00 | 10147.00 | 14107.00 | 18105.00 | Receive RSID on | Active |
| | PSK500R | PSK500R | PSK500R | PSK500R | PSK500R | | |
| PI4TUE | 24925.00 | 10147.00 | 10147.00 | 10147.00 | 18105.00 | Summoning Receive RSID on | Active |
| | PSK500R | PSK500R | PSK500R | PSK500R | PSK500R | | |
| DA5UWG | 3589.00 | 3589.00 | 7042.00 | 0 | 0 | No QSY Receive RSID on | Active |
| | PSK500R | PSK500R | PSK500R | | | | |
| DF3DS | 0 | 0 | 0 | 10147.00 | 10147.00 | NO QSY Receive RSID on | Active |
| | | | | PSK500R | PSK500R | | |
| IS0GRB-3 | 10147.0 | 10147.0 | 10147.0 | 10147.0 | 10147.0 | Receive RSID on | Active |
| | PSK500R | PSK500R | PSK500R | PSK500R | PSK500R | | |
| VK2ETA-1 | 3541.50 | 3541.50 | 3541.50 | 7188.50 | 7188.50 | 10148.50 Receive RSID on | Active |
| | THOR22 | THOR22 | THOR22 | THOR22 | THOR22 | | |

Source : <http://pskmail.wikispaces.com/PSKmailservers>

Local and International RaDAR calling frequencies

| 160m | kHz | Info |
|------|------|------------------------|
| CW | 1836 | South Africa |
| SSB | 1845 | LSB S.A. / USB HF-Pack |

| 80m | kHz | Info |
|-----|------|--------------|
| CW | 3559 | HF-Pack |
| CW | 3560 | South Africa |
| SSB | 3690 | South Africa |
| SSB | 3791 | USB HF-Pack |

| 40m | kHz | Info |
|-----|--------|--------------|
| CW | 7029.5 | HF-Pack |
| CW | 7030 | South Africa |
| SSB | 7090 | South Africa |
| SSB | 7185.5 | USB HF-Pack |

| 20m | kHz | Info |
|-----|---------|--------------------------|
| CW | 14059 | HF-Pack |
| CW | 14080 | South Africa |
| SSB | 14240 | South Africa |
| SSB | 14342.5 | USB HF-Pack |
| CW | 14343 | USB HF-Pack (Cross mode) |
| SSB | 14346 | USB HF-Pack (QSY) |

| 30m | KHz | Info |
|-----|-------|------------------------|
| CW | 10116 | QRP center of activity |

| 15m | kHz | Info |
|-----|---------|--------------------------|
| CW | 21080 | South Africa |
| SSB | 21350 | South Africa |
| SSB | 21437.5 | USB HF-Pack |
| CW | 21438 | USB HF-Pack (Cross mode) |

| 10m | kHz | Info |
|-----|---------|--------------------------|
| CW | 28060 | South Africa |
| SSB | 28312.5 | USB HF-Pack (QSY) |
| SSB | 28327.5 | USB HF-Pack |
| CW | 28328 | USB HF-Pack (Cross mode) |
| SSB | 28360 | South Africa |





Fréquences IOTA

| Fréquence | Segment/Net name | Mode |
|-----------|----------------------|------|
| 3530 | IOTA | CW |
| 3755 | IOTA | SSB |
| 7030 | IOTA | CW |
| 7055 | IOTA | SSB |
| 10115 | IOTA | CW |
| 14040 | IOTA | CW |
| 14260 | IOTA | SSB |
| 18098 | IOTA | CW |
| 18128 | IOTA | SSB |
| 21040 | IOTA | CW |
| 21260 | IOTA | SSB |
| 24950 | IOTA | SSB |
| 28460 | IOTA | SSB |
| 28560 | IOTA | SSB |



| QRP Frequencies Worldwide | | | | |
|---------------------------|---------------|---------|-----------|---------|
| QRP BAND | Standard Freq | | Euro Freq | |
| | SSB | CW | SSB | CW |
| 160m | 1910.0 | 1810.0 | 1843.0 | 1843.0 |
| 80m | 3985.0 | 3560.0 | 3690.0 | 3690.0 |
| 60m | 5403.5 | NONE | NONE | NONE |
| 40m | 7285.0 | 7040.0 | 7090.0 | 7030.0 |
| 30m | NONE | 10106.0 | NONE | NONE |
| 20m | 14285.0 | 14060.0 | NONE | NONE |
| 17m | 18130.0 | 18096.0 | NONE | 18085.0 |
| 15m | 21385.0 | 21060.0 | 21285.0 | NONE |
| 12m | 24950.0 | 24906.0 | NONE | NONE |
| 10m | 28385.0 | 28060.0 | NONE | 28360.0 |
| 6m | 50125.0 | 50050.0 | NONE | NONE |



| <u>HF-PACK Freq</u> | | |
|----------------------------|-----------|---------|
| Bande | SSB (USB) | CW |
| 160 mètres | 1996.0 | 1810.0 |
| 80 mètres | 3996.0 | 3560.0 |
| 40 smèt | 7296.0 | 7038.5 |
| 30 mètres | NONE | 10117.5 |
| 20 mètres | 14342.5 | 14059.0 |
| 17 mètres | 18157.7 | 18081.5 |
| 15 mètres | 21437.5 | 21060.0 |
| 12 mètres | 24977.0 | 24926.0 |
| 10 mètres | 28327.5 | 28060.0 |
| 6 mètres | 50162.5 | 50050.0 |



| ALE Automatic Link Establishment Channel List International Amateur Radio Service | | | | | | |
|--------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|
| CH # | FREQ kHz | SIDE BAND | COMM USE | DESCRIPTION | NET NAME | Sounding Status |
| 1 | 3596.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 2 | 3791.0 | USB | VOICE | International, DX, and Emergency/Disaster Relief | HFL | Attended Sounding |
| 3 | 3996.0 | USB | VOICE | North America | HFL | Attended Sounding |
| 4 | 5357.0 | USB | VOICE | North America Non-Automatic (NALE) | HFL | Manual Sounding Attended Sounding |
| 5 | 5371.5 | USB | VOICE DATA | Emergency/Disaster Relief Non-Automatic (NALE) | HFL HFN | Manual Sounding Attended Sounding |
| 6 | 7102.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 7 | 7185.5 | USB | VOICE | International/Regional and Emergency/Disaster Relief | HFL | Attended Sounding |
| 8 | 7296.0 | USB | VOICE | North America | HFL | Attended Sounding |
| 9 | 10145.5 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN HFL | Auto Sounding |
| 10 | 14109.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |

| CH # | FREQ kHz | SIDE BAND | COMM USE | DESCRIPTION | NET NAME | Sounding Status |
|------|----------|-----------|-----------------|--------------------------------------------------------------------------------|---------------------|-------------------|
| | | | | | | |
| 11 | 14346.0 | USB | VOICE | International/Regional and Emergency/Disaster Relief | HFL | Attended Sounding |
| 12 | 18106.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 13 | 18117.5 | USB | VOICE | International/Regional and Emergency/Disaster Relief | HFL | Attended Sounding |
| 14 | 21096.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 15 | 21432.5 | USB | VOICE | International/Regional and Emergency/Disaster Relief | HFL | Attended Sounding |
| 16 | 24926.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 17 | 24932.0 | USB | VOICE | DX/Regional Voice and Emergency/Disaster Relief | HFL | Attended Sounding |
| 18 | 28146.0 | USB | DATA PRIMARY | High Frequency Network and Emergency/Disaster Relief | HFN | Auto Sounding |
| 19 | 28312.5 | USB | VOICE | International/Regional and Emergency/Disaster Relief | HFL | Attended Sounding |

PRIMARY NETS - AMATEUR RADIO ALE

Net Call : HFN

Type: Open Primary DATA Net
Global ALE High Frequency Network

10 Member Slots

Any ham may join this net in SLOT#1 only.

**All other slots are reserved for
HFN Pilot Stations**

Sounding: Automatic

Scan all channels in this list:

**3596.0 USB International
5371.5 USB International
7102.0 USB International
10145.5 USB International
14109.0 USB International
18106.0 USB International
21096.0 USB International
24926.0 USB International
28146.0 USB International**

Net Call : HFL

Type: Open Primary VOICE Net
SSB Voice Net, and International

Emergency/ Disaster Relief Net

10 Member Slots

Any ham may join this net in any random Slot.

Sounding: Attended or Manual

Scan only the appropriate channels for your geographic

**3791.0 USB International
3996.0 USB North America
5357.0 USB North America
5371.5 USB International
7185.5 USB International
7296.0 USB North America
14346.0 USB International
18117.5 USB International
21432.5 USB International
24932.0 USB International
28312.5 USB International**

INFORMATION ABOUT AMATEUR RADIO ALE CHANNELS

| | |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note 1 | All Amateur Radio ALE channels use "USB" Upper SideBand (including frequencies below 10MHz). USB conforms to International Standards for Automatic Link Establishment, and enables interoperability. |
| Note 2 | <u>This ALE channel list is in everyday use in the Amateur Radio service, for normal communication internationally, regionally, and locally. ALE channels are frequency coordinated internationally, and operators are subject to the different rules, regulations, and bandplans of their region and local country of operation. There is commonly an ALE signal active on the air, every minute of every day on these frequencies. It is the responsibility of every ALE operator to maintain the highest standards for all transmissions. Some channels or modes in the list may not be available in every country. The HF spectrum is a shared resource, so there is no guarantee that a channel is clear in a local area or region. ALE uses LBT (Listen Before Transmit) If a channel is occupied at any given moment, ALE will try to select another channel instead.</u> |
| Note 3 | <p>Amateur Radio ALE standards:</p> <ol style="list-style-type: none"> 1. ALE System= MIL-STD 188-141 ; FED-1045 (8FSK - 2kHz Bandwidth) 2. If repetitive sounding, transmit soundings only on the Primary Data Channels or Pilot Channels for your IARU Region. 3. Calling or sounding transmission: Maximum Duration = 22 seconds. 4. Sounding Interval= 60 Minutes (or more) for same channel. 5. When sounding, always use "This Was Sound" (TWS). 6. Scan rate: 1 channel per second when scanning 10 channels or less. 7. Scan rate: 2 ch/sec or faster when scanning 11 channels or more. 8. Digital Modes Centre Audio Frequency = 1625Hz 9. Short text messaging standard = AMD . 10. Always transmit "CLEAR LINK" after ALL CALLS, QSOs, and LINKS! |
| Note 4 | <p>Amateur ALE Net Calls</p> <ol style="list-style-type: none"> 1. HFN = Global ALE High Frequency Network (HFN) Calling any Data/Text ALE Station 2. HFL = Calling Any Voice SSB ALE Station |
| Note 5* | <p>The 5MHz channels and band frequency segments vary in each country.</p> <p>USA: Operators on the 5MHz channels may use NALE (Non-Automatic Link Establishment) with attended/manual sounding or no sounding.</p> |
| Note 6 | HFLINK is an international resource: for radio operators using ALE Automatic Link Establishment and Selcall Selective Calling; for the development of communications for organisations, Emergency / Disaster Relief networks; and for the development of ALE operating methods applicable to Amateur Radio Service. HFLINK is the Frequency and Address Coordination group for International Amateur Radio ALE and Selective Calling. |
| Note 7 | <u>This channel list is located on the internet at http://hflink.com/</u> |
| Date | Effective on 02 FEB 2014, this list supersedes all previous channel lists. |
| Info | <u>For more information about ALE please see the website: http://hflink.com</u> |
| Version | HFLINK2014B |

| bandes | SSB (phonie) | CW (morse) |
|---------------|---------------------|-------------------|
| 80 m | 3.690 | 3.570 MHz |
| 40 m | 7.090 & 7.190 MHz | 7.030 MHz |
| 20 m | 14.290 MHz | 14.060 MHz |
| 17 m | 18.140 MHz | 18.080 MHz |
| 15 m | 21.360 MHz | 21.140 MHz |
| 12 m | 24.960 MHz | 24.910 MHz |
| 10 m | 28.390 MHz | 28.180 MHz |
| 6 m | 50.160 MHz | 50.160 MHz |

**Tout au long de l'année, des scouts radioamateurs
entretiennent des réseaux d'échanges sur des fréquences
dédiées.**



Plus d'informations disponibles sur le site <http://www.radioscoutisme.org>

TRANSMISSIONS DU BULLETIN F8REF par RADIO - MAJ le 24/07/2014

Provisoirement plus de diffusions "Officielles" à partir de la Maison des Radioamateurs à TOURS diffusion locale"

| Dpt. | Jour | Heure Locale | Fréq MHz | Mode | Lecteur(s) | Locator | RadioClub | Divers |
|------|----------|--------------|----------------------------|------|-------------------|---------|----------------------------|--------------------------------------------------------------|
| 2 | Jeudi | 19 h 00 | 145.675 | FM | F8CRJ / F4BYA | JN19RN | F6KCW | relais F1ZFS |
| 6 | Dimanche | 9 h 00 | 3.750 | BLU | F6EGV | - | - | Diffusion partielle |
| 6 | Dimanche | 10 h 00 | 145.750 | FM | F1BAV/F1BDB F6EGV | - | - | Internet: site REF-06 |
| 12 | Dimanche | 9 h 00 | 145.7125 R4x | FM | F5UJY F5FPI/F5UCV | JN14ME | F6KSM | Couverture 07-12-15-30-34-42-43-48-84 transpondeurs 01-38-81 |
| 13 | Jeudi | 18 h 00 | 145.775 | FM | F6GMO | -- | -- | Relais F5ZTH |
| 14 | Vendredi | 19 h 00 | 145.325 | FM | F5NS | - | - | sur F5ZBF |
| 21 | Vendredi | 19 h 00 | 145.775->39 45.7875->89 | FM | non | - | - | couvert par dept 39 et 89 |
| 29 | Dimanche | 11 h 00 | 145,625 / 145,025 | FM | F1NNI / F5PAU | - | - | Lecture du bulletin + QSO hebdo AAR29 |
| 31 | Mercredi | 21 h 00 | 145,7875 | FM | F4DQG | - | F5KSE | - |
| 32 | Dimanche | 11 h 00 | 145,625 (R1 d'Artagnan) | FM | F8DJD | | | (Shift = - 600) |
| 33 | Dimanche | 11 h 00 | 145.725 R5 | FM | - | - | - | - |
| 34 | Mardi | 19 h 00 | 145.525 | FM | F5OFS | JN13VO | F5KCU/F6KEH F6KUJ/F6KSJ | - |
| 36 | Dimanche | 11 h 00 | 145,6375 | FM | F8CSL | - | - | Relais du 36 |
| 38 | Lundi | 18 h 30 | R2 & Ru13r | FM | - | - | - | - |
| 39 | Vendredi | 19 h 00 | 145.775 R7 | FM | F1PUZ | - | - | Diffuse pour 39,25,70 et partie 21 |
| 40 | Samedi | 19 h 00 | 145,700 MHz Relais R4 | FM | F1CSU | | | |
| 44 | Dimanche | 11 h 00 | 145.775 | FM | - | - | - | - |

| Dpt. | Jour | Heure Locale | Fréq MHz | Mode | Lecteur(s) | Locator | RadioClub | Divers |
|------|-------------------|--------------|------------------------------|------|-----------------------------|---------|-----------|-----------------------------------------------------------------|
| 45 | Jeudi | 19 h 00 | 145.625 | FM | F0FYV,F1BZG,F5AOP,F6F RC | JN07WV | - | Relais F5ZHF |
| 47 | Dimanche | 11 h 00 | R5 | FM | - | - | - | - |
| 51 | Dimanche | 9 h 30 | 145.6375 | FM | F5PEG - F5PUL | - | - | Relais de Champagne |
| 56 | Dimanche | 11 h 00 | 145.525 | FM | - | - | - | - |
| 57 | Vendredi | 19 h 00 | 145.675 | FM | F4DKP | JN39IC | F4KIPO | Relais de Lorraine |
| 59 | Lundi et vendredi | 20 h 45 | 430.075 et 145.2125 | FM | F6BDM | | F5KEB | Relais F5ZTK de Lille |
| 61 | Dimanche | 11 h 00 | 145.700 R4 | FM | F5CT | IN98WK | - | Relais d' ALÉNEN |
| 63 | Suspendue | --h-- | 145,7625_R6x 431,175_Ru5 | FM | - | JN15.. | F5KDC | RC REF63 |
| 66 | Dimanche | 10 h 00 | 145,7 R4 | FM | F4FWG | - | - | - |
| 66 | Mercredi | 19 h 00 | 145,6375 R1x | FM | F1BZI | - | - | - |
| 69 | Samedi | 13 h 30 | 145,6875_R3x 145,6125_R0x | FM | - | - | - | - |
| 72 | Dimanche | 11 h 00 | 145,7 R4 | FM | F5CT | JN08KI | - | Couverture dépt 53, 61 et 72 |
| 73 | Jeudi | 20 h 30 | 145,675 R3 Mt. Revard | FM | F6HQP | - | F6KOV | RC REF73 |
| 76 | Samedi | 11 h 30 | 145,725 | FM | F4ASK | - | F5KSM | FDARSM - ED76 REF-UNION |
| 77 | Dimanche | 9 h 50 | 145,650 MHz Relais R2 | FM | F4FVB, F4FLF, F2AI et F5GVA | | | Diffusion bulletin F8REF, infos DX, infos satellites |
| 78 | Mardi | 21 h 00 | 145,475 | FM | F4UPG/F5GZJ | JN18AS | F6KRK | RC St Quentin en Yvelines |
| 82 | Dimanche | 10 h 30 | 145.775 (R7) | FM | F0ETY | JN04PC | - | Relais F1ZED (Adrasec) |
| 83 | Vendredi | 18 h 30 | 145,725(R5) | FM | F5PVX F6IIE F4AHJ | - | F5KBJ | http://www.ref83.free.fr |
| | | | | | | | | |

| Dpt. | Jour | Heure Locale | Fréq MHz | Mode | Lecteur(s) | Locator | RadioClub | Divers |
|------|-----------|-----------------|---------------------|------|-------------|---------|-----------|---------------------------------------------------------------------|
| 87 | jeudi | 21 h 00 | 145.650 R2 | FM | F5OJN/F0ETU | - | F8KFZ | Relais VHF F5ZCY (couverture départements 19, 24, 16, 86, 87) |
| 89 | Suspendue | --h-- | 145,7875 | FM | F1LLD/F5PKD | JN18ND | F5KCC | Relais d'Auxerre |
| 90 | Dimanche | 10 h 00 | 145,2625 430,125 | FM | F6GKC | | | ADRASEC / F5ZFY |
| 91 | Vendredi | 21 h 00 | 145,525 | FM | - | - | - | sauf 3ème vendredi du mois |
| 95 | Jeudi | 21 h 00 | 145,45 | FM | F5OGM | - | - | ED REF95 |
| 95 | Dimanche | 9 h 30 | 28,95 | SSB | F6DEO | - | - | ED REF95 |

| Satellite | Descente | Monté | Tone squelch / mode | Balise |
|------------------|-----------------|---------------------|---------------------|-------------|
| ISS | 145,800 Mhz | 145,200 Mhz | fm | |
| ISS | 145,800 Mhz | 144,490 Mhz | fm | |
| EO80 qb50p2 | 145,840 Mhz | 436,080 Mhz | 210,7 Hz / fm | |
| Fox 1A | 145.980 MHz | 435.180 MHz | 67 Hz / fm | |
| Fox 1C | 145.920 MHz | 435.300 MHz | 67 Hz / fm | |
| SO50 | 436,795 Mhz | 145,850 Mhz | 67 Hz / fm | |
| SPROUT | 437,600 Mhz | 437,600 Mhz | fm / sstv | |
| HO68 | 435,675 Mhz | 145,825 Mhz | 67 Hz / fm | 435.790 Mhz |
| ChubuSat-1 | 437.485 Mhz | 145.980 Mhz | fm ? | |
| Tisat1 | 437.305 Mhz | 145.980 Mhz | fm ? | |
| SRMSAT | 437.500 Mhz | 145,900 Mhz | fm ? | |
| Zacube1 | 437.356 Mhz | 145,860 Mhz | fm ? | |
| AO73 | 145,950-970 Mhz | 435,150-170 Mhz | ssb | 145,935 Mhz |
| FO29 | 435,800-900 Mhz | 145,900-999 Mhz | ssb | 435,795 Mhz |
| EO79 qb50p1 | 145,935-965 Mhz | 435,035-065 Mhz | ssb | 145,815 Mhz |
| IO26 | 435.822-867 Mhz | 145.875-950 Mhz | ssb | 435.791 Mhz |
| Ukube1 | 435.020-040 Mhz | 145.960-940 Mhz | ssb | |
| DX1 | 434.975-435.025 | 144.975-145.025 | ssb | 438.225 |
| FO-82 | 435.280-435.260 | 145.940-145.960 | ssb | |
| AO7 | 145,975-925 Mhz | 432,125-157 Mhz LSB | ssb | 145,970 Mhz |
| AO7 | 29,400-500 Mhz | 145,850-950 Mhz | ssb | 29,502 Mhz |
| RS15 | 29,354-394 Mhz | 145,858-145,989 Mhz | ssb | 29,352 Mhz |
| RS22 | 432.098/435.352 | | | |
| RS30 | 435.215/435.315 | | | |
| RS41 | 435.265 | | | |
| RS43 | 435.215/435.265 | | | |
| RS46 cosmos 2491 | 435.465/435.565 | | | |
| RS47 cosmos 2499 | 435.465/435.565 | | | |

Les canaux relais français



les relais français

Canaux VHF(2M)

| | | |
|------------|----------|----------|
| R0 | 145,6000 | 145,0000 |
| R0X | 145,6125 | 145,0125 |
| R1 | 145,6250 | 145,0250 |
| R1X | 145,6375 | 145,0375 |
| R2 | 145,6500 | 145,0500 |
| R2X | 145,6625 | 145,0625 |
| R3 | 145,6750 | 145,0750 |
| R3X | 145,6875 | 145,0875 |
| R4 | 145,7000 | 145,1000 |
| R4X | 145,7125 | 145,1125 |
| R5 | 145,7250 | 145,1250 |
| R5X | 145,7375 | 145,1375 |
| R6 | 145,7500 | 145,1500 |
| R6X | 145,7625 | 145,1625 |
| R7 | 145,7750 | 145,1750 |
| R7X | 145,7875 | 145,1875 |

Balise météo phonie : 145,4250

Canaux VHF(6M)

| | | |
|-------------|--------|--------|
| RF81 | 51.210 | 51.810 |
| RF83 | 51.230 | 51.830 |
| RF85 | 51.250 | 51.850 |
| RF87 | 51.270 | 51.870 |
| RF89 | 51.290 | 51.890 |
| RF91 | 51.310 | 51.910 |
| RF93 | 51.330 | 51.930 |
| RF95 | 51.350 | 51.950 |
| RF97 | 51.370 | 51.970 |
| RF99 | 51.390 | 51.990 |

Canaux UHF

| | | |
|--------------|----------|----------|
| FRU1 | 430,0250 | 431,6250 |
| FRU2 | 430,0500 | 431,6500 |
| FRU3 | 430,0750 | 431,6750 |
| FRU4 | 430,1000 | 431,7000 |
| FRU5 | 430,1250 | 431,7250 |
| FRU6 | 430,1500 | 431,7500 |
| FRU7 | 430,1750 | 431,7750 |
| FRU8 | 430,2000 | 431,8000 |
| FRU9 | 430,2250 | 431,8250 |
| FRU10 | 430,2500 | 431,8500 |
| FRU11 | 430,2750 | 431,8750 |
| FRU12 | 430,3000 | 431,9000 |
| FRU13 | 430,3250 | 431,9250 |
| FRU14 | 430,3500 | 431,9500 |
| FRU15 | 430,3750 | 431,9750 |
| FRU17 | 433,0250 | 431,4250 |
| FRU18 | 433,0500 | 431,4500 |
| FRU19 | 433,0750 | 431,4750 |
| FRU20 | 433,1000 | 431,5000 |
| FRU21 | 433,1250 | 431,5250 |
| FRU22 | 433,1500 | 431,5500 |
| FRU23 | 433,1750 | 431,5750 |
| FRU24 | 433,2000 | 431,6000 |

| | | |
|--------------|----------|----------|
| RU225 | 432,8125 | 431,2125 |
| RU226 | 432,8250 | 431,2250 |
| RU227 | 432,8375 | 431,2375 |
| RU228 | 432,8500 | 431,2500 |
| RU229 | 432,8625 | 431,2625 |
| RU230 | 432,8750 | 431,2750 |
| RU231 | 432,8875 | 431,2875 |
| RU232 | 432,9000 | 431,3000 |
| RU233 | 432,9125 | 431,3125 |
| RU234 | 432,9250 | 431,3250 |
| RU235 | 432,9375 | 431,3375 |
| RU236 | 432,9500 | 431,3500 |
| RU237 | 432,9625 | 431,3625 |
| RU238 | 432,9750 | 431,3750 |

Shift : 1,6000

Canaux 70cm "Britanniques ou IAR inversés"

| Décalage 6,0000 MHz | | | Décalage 28,0000 MHz | | |
|---------------------|-----------|-----------|----------------------|-----------|-----------|
| Canal | Entrée | Sortie | | | |
| RM0 | 1291,0000 | 1297,0000 | RS01 | 1270,0250 | 1298,0250 |
| RM1 | 1291,0250 | 1297,0250 | RS02 | 1270,0500 | 1298,0500 |
| RM2 | 1291,0500 | 1297,0500 | RS03 | 1270,0750 | 1298,0750 |
| RM3 | 1291,0750 | 1297,0750 | RS04 | 1270,1000 | 1298,1000 |
| RM4 | 1291,1000 | 1297,1000 | RS05 | 1270,1250 | 1298,1250 |
| RM5 | 1291,1250 | 1297,1250 | RS06 | 1270,1500 | 1298,1500 |
| RM6 | 1291,1500 | 1297,1500 | RS07 | 1270,1750 | 1298,1750 |
| RM7 | 1291,1750 | 1297,1750 | RS08 | 1270,2000 | 1298,2000 |
| RM8 | 1291,2000 | 1297,2000 | RS09 | 1270,2250 | 1298,2250 |
| RM9 | 1291,2250 | 1297,2250 | RS10 | 1270,2500 | 1298,2500 |
| RM10 | 1291,2500 | 1297,2500 | RS11 | 1270,2750 | 1298,2750 |
| RM11 | 1291,2750 | 1297,2750 | RS12 | 1270,3000 | 1298,3000 |
| RM12 | 1291,3000 | 1297,3000 | RS13 | 1270,3250 | 1298,3250 |
| RM13 | 1291,3250 | 1297,3250 | RS14 | 1270,3500 | 1298,3500 |
| RM14 | 1291,3500 | 1297,3500 | RS15 | 1270,3750 | 1298,3750 |
| RM15 | 1291,3750 | 1297,3750 | RS16 | 1270,4000 | 1298,4000 |
| RM16 | 1291,4000 | 1297,4000 | RS17 | 1270,4250 | 1298,4250 |
| RM17 | 1291,4250 | 1297,4250 | RS18 | 1270,4500 | 1298,4500 |
| RM18 | 1291,4500 | 1297,4500 | RS19 | 1270,4750 | 1298,4750 |
| | | | RS20 | 1270,5000 | 1298,5000 |
| | | | RS21 | 1270,5250 | 1298,5250 |
| | | | RS22 | 1270,5500 | 1298,5500 |
| | | | RS23 | 1270,5750 | 1298,5750 |
| | | | RS24 | 1270,6000 | 1298,6000 |
| | | | RS25 | 1270,6250 | 1298,6250 |
| | | | RS26 | 1270,6500 | 1298,6500 |
| | | | RS27 | 1270,6750 | 1298,6750 |
| | | | RS28 | 1270,7000 | 1298,7000 |

Tableau des canaux relais 10m

| Canal | Entrée | Sortie |
|--------------|---------|---------|
| RH1 (France) | 29,5600 | 29,6600 |
| RH2 | 29,5700 | 29,6700 |
| RH3 (France) | 29,5800 | 29,6800 |
| RH4 | 29,5900 | 29,6900 |

Canaux simplex pour

Relais Transparents

Relais Transpondeurs

| | |
|-------------|----------|
| S8 | 145,2000 |
| S8X | 145,2125 |
| S9 | 145,2250 |
| S9X | 145,2375 |
| S10 | 145,2500 |
| S10X | 145,2625 |
| S11X | 145,2875 |

UHF

| |
|---------|
| 431.000 |
| 431.025 |
| 431.050 |
| 431.075 |
| 431.100 |
| 431.125 |
| 431.150 |
| 433.400 |
| 433.425 |
| 433.450 |
| 433.475 |
| 433.500 |
| 433.525 |
| 433.550 |
| 433.575 |

SHF

| | | |
|-----------|-----------|-----------|
| 1291,5000 | 1291,6875 | 1291,8750 |
| 1291,5125 | 1291,7000 | 1291,8875 |
| 1291,5250 | 1291,7125 | 1291,9000 |
| 1291,5375 | 1291,7250 | 1291,9125 |
| 1291,5500 | 1291,7375 | 1291,9250 |
| 1291,5625 | 1291,7500 | 1291,9375 |
| 1291,5750 | 1291,7625 | 1291,9500 |
| 1291,5875 | 1291,7750 | 1291,9625 |
| 1291,6000 | 1291,7875 | 1291,9750 |
| 1291,6125 | 1291,8000 | |
| 1291,6250 | 1291,8125 | |
| 1291,6375 | 1291,8250 | |
| 1291,6500 | 1291,8375 | |
| 1291,6625 | 1291,8500 | |
| 1291,6750 | 1291,8625 | |

| | |
|-------------|-----------|
| SM21 | 1297,5250 |
| SM22 | 1297,5375 |
| SM23 | 1297,5500 |
| SM24 | 1297,5625 |
| SM25 | 1297,5750 |
| SM26 | 1297,5875 |
| SM27 | 1297,6000 |
| SM28 | 1297,6125 |
| SM29 | 1297,6250 |
| SM30 | 1297,6375 |
| SM31 | 1297,6500 |
| SM32 | 1297,6625 |
| SM33 | 1297,6750 |
| SM34 | 1297,6875 |
| SM35 | 1297,7000 |
| SM36 | 1297,7125 |
| SM37 | 1297,7250 |
| SM38 | 1297,7375 |
| SM39 | 1297,7500 |

Relais 28 MHz (MAJ ex-CNRB 03/05/2013)

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|-------|---------|-------------------|-------|-------------|
| F1ZCF | 29 | 29.670 | 29.570 | RH6 | JN05LW | Limoges | 87 | F1UJT |
| F5ZTW | 29 | 29.670 | 29.570 | RH6 | JN24NV | Valence | 26 | F5GLS |
| F5ZRT | 29 | 29.690 | 29.590 | RH8 | JO10PH | Valenciennes | 59 | F5HMS |
| F1ZZU | 29 | 29.690 | 29.590 | RH8 | JN14KD | Millau | 12 | F1TMY |
| F5ZGY | 29 | 29.640 | 29.540 | RH3 | IN95RG | St Aubin de blaye | 33 | F5PON |

Relais 50 MHz (MAJ ex-CNRB 24/09/2013)

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|-------|---------|------------------|-------|-------------|
| PROJET1 | 50 | 51.810 | 51.210 | RF81 | JN12LL | Argeles | 66 | F1TLQ |
| PROJET2 | 50 | 51.830 | 51.230 | RF83 | JN23XE | Toulon | 83 | F5PVX |
| F1ZEY | 50 | 51.850 | 51.250 | RF85 | JN02TW | Foix | 09 | F1ACF |
| F5ZJE | 50 | 51.870 | 51.270 | RF87 | JN05MP | Bussière gallant | 87 | F1UJT |
| F1ZEV | 50 | 51.950 | 51.350 | RF95 | JN25EJ | St Etienne | 42 | F4ASS |

Relais VHF (MAJ ex-CNRB du 03/05/2013)

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|-------|---------|----------------------|-------|-------------|
| F5ZAD | 144 | 145.6000 | 145.0000 | R0 | JN18CS | Paris | 92 | F5OCI |
| F1ZEE | 144 | 145.6000 | 145.0000 | R0 | IN88HL | St Briec | 22 | F1LHC |
| F5ZAO | 144 | 145.6000 | 145.0000 | R0 | JN04IJ | Villeneuve sur lot | 47 | F6HRY |
| F1ZBM | 144 | 145.6000 | 145.0000 | R0 | JN24AC | Ales | 30 | F4AYK |
| F5ZQF | 144 | 145.6000 | 145.0000 | R0 | JN06WE | Gueret | 23 | F5HX |
| F5ZPJ | 144 | 145.6000 | 145.0000 | R0 | IN96JD | La Rochelle | 17 | F5RHE |
| F5ZBL | 144 | 145.6125 | 145.0125 | R0x | JN08KU | Evreux | 27 | F5UTN |
| F1ZAM | 144 | 145.6125 | 145.0125 | R0x | JN19JH | Senlis | 60 | F1HSW |
| F5ZVE | 144 | 145.6125 | 145.0125 | R0x | JN05VE | Tulle | 19 | F5GLB |
| F1ZCV | 144 | 145.6125 | 145.0125 | R0x | JN18XH | Troyes | 10 | F1GZH |
| F5ZAU | 144 | 145.6125 | 145.0125 | R0x | JN38PP | Strasbourg | 57 | F6BUF |
| F1ZYM | 144 | 145.6125 | 145.0125 | R0x | IN94RT | Bordeaux | 33 | F4BEU |
| F5ZCM | 144 | 145.6125 | 145.0125 | R0x | JN25EK | St Etienne | 42 | F5DFN(Sk) |
| F5ZTI. | 144 | 145.6125 | 145.0125 | R0x | JN25KS | Lyon | 69 | F5DFN(Sk) |
| F5ZCD. | 144 | 145.6125 | 145.0125 | R0x | IN97RL | Angers | 49 | F5IJJ |
| F5ZRA | 144 | 145.6250 | 145.0250 | R1 | JN03KV | St Clar | 32 | F5OMV |
| F1ZBA | 144 | 145.6250 | 145.0250 | R1 | JN24DQ | Aubenas | 7 | F1MEQ |
| F1ZDG | 144 | 145.6250 | 145.0250 | R1 | JN37NX | Colmar | 68 | F1AEQ |
| F5ZOO | 144 | 145.6250 | 145.0250 | R1 | JN33HI | Sainte Maxime | 83 | F6AMW |
| C30C | 144 | 145.6250 | 145.0250 | R1 | JN02SL | Andorre | la | Vieille |
| F5ZDE | 144 | 145.6375 | 145.0375 | R1x | JN06VK | Chateauroux | 36 | F1ABR |
| F5ZDL | 144 | 145.6375 | 145.0375 | R1x | JN29HA | Chalons en Champagne | 51 | F5RZU |
| F6ZJD | 144 | 145.6375 | 145.0375 | R1x | JN26RE | Nurieux | 1 | F1GTH |
| F1ZCM | 144 | 145.6375 | 145.0375 | R1x | JN12JK | Perpignan | 66 | F5HBI |
| TK5ZCF | 144 | 145.6375 | 145.0375 | R1x | JN41KU | Ajaccio | 2a | TK5EP |
| --- | 144 | 145.6375 | 145.0375 | R1x | IN87VG | Saint Nazaire | 44 | F8CED |
| F5ZNN | 144 | 145.6500 | 145.0500 | R2 | JN18OT | Coulommiers | 77 | F6ICX |
| F5ZGM | 144 | 145.6500 | 145.0500 | R2 | JN05VS | Peyrat le Château | 87 | F5HDN |
| F5ZTO | 144 | 145.6500 | 145.0500 | R2 | JN03QD | Le Carla Bayle | 9 | F6DEV |
| F1ZVB | 144 | 145.6500 | 145.0500 | R2 | JN24MD | Avignon | 84 | F1VN |
| F5ZUJ | 144 | 145.6500 | 145.0500 | R2 | IN87IS | Lorient | 56 | F8ACF |
| PROJET4 | 144 | 145.6500 | 145.0500 | R2 | JN33AC | Toulon | 83 | F6AMW |
| F1ZWT | 144 | 145.6625 | 145.0625 | R2x | JN05ID | Perigueux | 24 | F1OYP |
| F1ZBV | 144 | 145.6625 | 145.0625 | R2x | JN38MA | La Bresse | 88 | F8DSN |
| F1ZFD | 144 | 145.6625 | 145.0625 | R2x | JN15UC | Le Puy en Velay | 43 | F1HAW |
| F5ZEZ | 144 | 145.6625 | 145.0625 | R2x | JN12BL | Eyne | 66 | F6FDS |
| F5ZSS | 144 | 145.6750 | 145.0750 | R3 | JN03AB | Tarbes | 65 | F5SDM |

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|-------|---------|----------------------|-------|-------------|
| F1ZBX | 144 | 145.6750 | 145.0750 | R3 | IN88VA | Rennes | 35 | F1DKN |
| F1ZAE | 144 | 145.6750 | 145.0750 | R3 | JN39AF | Metz | 57 | F1TZU |
| F5ZFS | 144 | 145.6750 | 145.0750 | R3 | JN19RN | St Gobain | 2 | F1BAY |
| F5ZVB | 144 | 145.6750 | 145.0750 | R3 | JN17JX | Montargis | 45 | F6DQL |
| F5ZAY | 144 | 145.6750 | 145.0750 | R3 | JN33RS | Nice | 6 | F6FLC |
| F1ZBN | 144 | 145.6750 | 145.0750 | R3 | JN25XQ | Chambery | 73 | F6FWM |
| F1 | 144 | 145.6750 | 145.0750 | R3 | JN05PT | Limoges | 87 | F1UJT |
| F5ZCK | 144 | 145.6875 | 145.0875 | R3x | JN06EN | Poitiers | 86 | F5EAN |
| F5ZET | 144 | 145.6875 | 145.0875 | R3x | JN04RO | Cahors | 46 | F5FFN |
| F5ZFH | 144 | 145.6875 | 145.0875 | R3x | JN25HR | Lyon | 69 | F5DFN(Sk) |
| F1ZGU | 144 | 145.6875 | 145.0875 | R3x | JN13TK | Sete | 34 | F6IQA |
| F5ZHY | 144 | 145.6875 | 145.0875 | R3x | IN998JW | Percy (+431,225 MHz) | 50 | F5HVI |
| F6ZCE | 144 | 145.7000 | 145.1000 | R4 | IN98WK | Alencon | 53 | F5JYP |
| F6ZCV | 144 | 145.7000 | 145.1000 | R4 | IN92OX | Arette | 64 | F4API |
| F5ZEC | 144 | 145.7000 | 145.1000 | R4 | JN28ME | Chaumont | 52 | F8FLN |
| F1ZVH | 144 | 145.7000 | 145.1000 | R4 | JN24VC | Digne | 4 | F6BXM |
| F5ZRD | 144 | 145.7000 | 145.1000 | R4 | JN15LV | Volvic | 63 | F5BVJ |
| F5ZUD | 144 | 145.7125 | 145.1125 | R4x | JN38BP | Nancy | 54 | F5GOT |
| F5ZZR | 144 | 145.7125 | 145.1125 | R4x | JN14KD | Millau | 12 | F8NHA |
| F1ZUX | 144 | 145.7125 | 145.1125 | R4x | JN17HG | Bourges | 18 | F4FAU |
| F5ZEV | 144 | 145.7250 | 145.1250 | R5 | JN09CM | Le Havre | 76 | F1EDC |
| F1ZCW | 144 | 145.7250 | 145.1250 | R5 | IN94UR | Bordeaux | 33 | F5AUW |
| F5ZVD | 144 | 145.7250 | 145.1250 | R5 | JN23XE | Toulon | 83 | F6AMW |
| HB9G | 144 | 145.7250 | 145.1250 | R5 | JN36BK | Geneve | 0 | HB9ICJ |
| F5ZAG | 144 | 145.7250 | 145.1250 | R5 | JO10RJ | Valenciennes | 59 | F5HHI |
| F5ZCQ | 144 | 145.7250 | 145.1250 | R5 | JN39WA | Wissembourg | 67 | F5RCT |
| TK5ZPS | 144 | 145.7375 | 145.1375 | R5x | JN42QQ | Bastia | 2b | TK5AP |
| F5ZQY | 144 | 145.7500 | 145.1500 | R6 | JN07QO | Blois | 41 | F8DFK |
| F5ZBH | 144 | 145.7500 | 145.1500 | R6 | JO10IB | Pozieres | 80 | F1UVN |
| F1ZMD | 144 | 145.7500 | 145.1500 | R6 | IN95QP | Sainte | 17 | F1MMR |
| F5ZCL | 144 | 145.7500 | 145.1500 | R6 | JN13DL | Mazamet | 81 | F5FDR |
| F1ZDK | 144 | 145.7500 | 145.1500 | R6 | JN26FP | Montceau | 71 | F1DRW |
| F5ZAX | 144 | 145.7500 | 145.1500 | R6 | JN33NV | Nice | 6 | F6FLC |
| F1ZBS | 144 | 145.7625 | 145.1625 | R6x | JN15JM | Clermont-Ferrand | 63 | F1GGS |
| F5ZZK | 144 | 145.7625 | 145.1625 | R6x | JN06BO | Parthenay | 79 | F6DZR |
| F1ZAX | 144 | 145.7625 | 145.1625 | R6x | JN29VL | Longwy | 54 | F1SKH |
| F5ZBP | 144 | 145.7750 | 145.1750 | R7 | JN26WX | Salins | 39 | F5SN |
| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |

| | | | | | | | | |
|-------|-----|----------|----------|-----|--------|--------------|----|-------|
| F5ZTH | 144 | 145.7750 | 145.1750 | R7 | JN23TH | Marseille | 13 | F6DHI |
| F1SFY | 144 | 145.7750 | 145.1750 | R7 | JN19CG | Beauvais | 60 | F1SFY |
| F5ZUL | 144 | 145.7750 | 145.1750 | R7 | IN93GO | Labenne | 40 | F8LNR |
| F1ZCT | 144 | 145.7875 | 145.1875 | R7x | JN17US | Auxerre | 89 | F1AEA |
| F1ZGY | 144 | 145.7875 | 145.1875 | R7x | JO10SI | Valenciennes | 59 | F1MIJ |
| F5ZAI | 144 | 145.7875 | 145.1875 | R7x | JN34IV | Briancon | 5 | F6EIB |
| F1ZCZ | 144 | 145.7875 | 145.1875 | R7x | JN02TW | Foix | 9 | F1ACF |
| F1ZUE | 144 | 145.7875 | 145.1875 | R7x | JN09PU | Dieppe | 76 | F4DCI |

Relais UHF (MAJ ex-CNRB du 03/05/2013)

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|----------|---------|---------------------|-------|-------------|
| F5ZSI | 430 | 430.025 | 431.625 | FRU01 | IN95JV | Le Château d'Oleron | 17 | F1MMR |
| F5ZWC | 430 | 430.025 | 431.625 | FRU01 | IN99OA | Jurques | 14 | F6BLS |
| F1ZWB | 430 | 430.025 | 431.625 | FRU01 | JN17EB | Bourges | 18 | F4FCH |
| F5ZAT | 430 | 431.625 | 430.025 | FRU01 R | JN23RJ | Marseille | 13 | F6AST |
| F5ZBC | 430 | 430.025 | 431.625 | FRU01 | JN19PG | Soissons | 02 | F1EGV |
| F1ZCN | 430 | 430.050 | 431.650 | FRU02 | JN12JK | Perpignan | 66 | F5HBI |
| F5ZDI | 430 | 430.050 | 431.650 | FRU02 | JN29UM | Longwy | 54 | F6GKD |
| F1ZBO | 430 | 430.050 | 431.650 | FRU02 | JN25XQ | Chambery | 73 | F6FWM |
| F5ZEM | 430 | 430.050 | 439.450 | FRU02 H | IN97FF | Nantes | 44 | F5BCB |
| F1SFY. | 430 | 430.0625 | 439.4625 | FRU02 XH | JN19CG | St Genevriere | 60 | F1SFY |
| F5ZBY | 430 | 430.075 | 431.675 | FRU03 | IN98DC | Rennes | 35 | F5BEZ |
| F5ZAZ | 430 | 430.075 | 431.675 | FRU03 | JN33NR | Cannes | 6 | F5GZ |
| F1ZDA | 430 | 430.075 | 431.675 | FRU03 | JN37NX | Colmar | 68 | F1AEQ |
| F1ZOS | 430 | 430.075 | 431.675 | FRU03 | JN24AC | Ales | 30 | F1DKP |
| F5ZTK | 430 | 430.075 | 431.675 | FRU03 | JO10MP | Lille | 59 | F1FPC |
| F5ZBR | 430 | 430.075 | 431.675 | FRU03 | JN25EJ | Saint Etienne | 42 | F5LTP |
| 4UHA | 430 | 430.100 | 431.700 | FRU04 | JN05PT | Limoges | 87 | F1FCP |
| F1ZCE | 430 | 430.100 | 431.700 | FRU04 | JN17US | Auxerre | 89 | F1AEA |
| F5ZDH | 430 | 430.100 | 431.700 | FRU04 | JN39BJ | Thionville | 57 | F6HJC |
| F5ZON | 430 | 430.100 | 431.700 | FRU04 | JN23XE | Toulon | 83 | F6AMW |
| F1ZXM | 430 | 430.100 | 431.700 | FRU04 | JN34HO | Briancon | 5 | F6EIB |
| F5ZMZ | 430 | 430.100 | 431.700 | FRU04 | JN13FL | Mazamet | 81 | F5GN |
| F5ZOK | 430 | 430.1125 | 439.5125 | FRU04 XH | JN24IL | Montelimar | 26 | F5LGJ |
| F1ZFL | 430 | 430.125 | 431.725 | FRU05 | JN39OC | Sarreguemines | 57 | F5PPG |
| F5ZDX | 430 | 430.125 | 431.725 | FRU05 | JN13TU | Montpellier | 34 | F5PRO |
| F5ZAF | 430 | 430.125 | 431.725 | FRU05 | JN34HO | Briancon | 5 | F6EIB |
| F1ZBT | 430 | 431.175 | 432.775 | FRU05 AP | JN15TX | Clermond Ferrand | 63 | F1GGS |
| F5ZTU | 430 | 431.725 | 430.125 | FRU05 R | IN93XB | Lourdes | 65 | F6DTZ |
| F6ZCO | 430 | 431.725 | 430.125 | FRU05 R | JN18CS | Paris | 92 | F6FMZ |
| F5ZUQ | 430 | 430.150 | 431.750 | FRU06 | JN06PX | Chauteauroux | 36 | F1ABR |
| F5ZBJ | 430 | 430.150 | 431.750 | FRU06 | JN09OA | Evreux | 27 | F6GNJ |
| F5ZBW | 430 | 430.150 | 431.750 | FRU06 | JN14MD | Millau | 12 | F5UJZ |
| F5ZCC | 430 | 430.150 | 431.750 | FRU06 | JN39KD | Forbach | 57 | F1ULQ |
| TK5ZCG | 430 | 430.150 | 431.750 | FRU06 | JN41IW | Ajaccio | 2a | TK5EP |
| F5ZCZ | 430 | 431.200 | 432.800 | FRU06 AO | JN07JP | Tours | 37 | F1ELP |
| F1ZPY | 430 | 430.150 | 439.550 | FRU06 H | JN26TE | Apremont | 1 | F1GTH |
| F5ZDU | 430 | 430.175 | 431.775 | FRU07 | JN24MM | Montelimar | 26 | F5LGJ |

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|----------|---------|----------------------|-------|-------------|
| F5ZBD | 430 | 430.175 | 431.775 | FRU07 | JN29BD | Mailly Champagne | 51 | F6AJM |
| F1ZFT | 430 | 430.175 | 431.775 | FRU07 | JN15GC | Aurillac | 15 | F1IYY |
| F1ZME | 430 | 431.775 | 430.175 | FRU07 R | IN95QP | Saintes | 17 | F1MMR |
| F6ZCP | 430 | 430.200 | 439.600 | FRU08 H | JN09PD | St Aubin sur Gaillon | 27 | F3YP |
| F5ZZP | 430 | 430.200 | 431.800 | FRU08 | JO10RJ | Valenciennes | 59 | F5HHI |
| F5ZWV | 430 | 430.200 | 439.600 | FRU08 H | JN24PD | Avignon | 84 | F6EPE |
| F5ZUW | 430 | 430.200 | 431.800 | FRU08 | JN02UR | Les Cabannes | 9 | F6GZM |
| F5ZDR | 430 | 431.800 | 430.200 | FRU08 R | JN18CG | Plessis Pate | 91 | F6FMZ |
| F1ZPK | 430 | 430.225 | 431.825 | FRU09 | JN08UX | Mantes La Jolie | 78 | F1IKD |
| F5ZAV | 430 | 430.225 | 431.825 | FRU09 | JN38RL | Obernai | 67 | F6BUF |
| 5UHA | 430 | 431.825 | 430.225 | FRU09 R | JN13DL | Mazamet | 81 | F5FDR |
| F1ZXA | 430 | 430.225 | 439.625 | FRU09 H | JN16II | Montlucon | 3 | F4COT |
| F5ZQH | 430 | 430.2375 | 439.6375 | FRU09 XH | JN23UH | Bertagne | 13 | F6DHI |
| F1ZDB | 430 | 430.250 | 431.850 | FRU10 | JN02TW | Foix | 9 | F1ACF |
| F5ZUK | 430 | 432.8375 | 431.2375 | RU227 | JN38TX | Niederbronn | 67 | F5RCT |
| F1ZRE | 430 | 430.250 | 431.850 | FRU10 | JN19RN | Saint Gobain | 2 | F1BAY |
| F5ZHB | 430 | 430.250 | 431.850 | FRU10 | JN27LK | Dijon | 21 | F5BNF |
| TK5?.. | 430 | 430.250 | 431.850 | FRU10 | JN42QQ | Bastia | 2b | ? |
| F5ZNB | 430 | 434.850 | 433.250 | RU10 | JN35EB | Briancon | 5 | F6EIB |
| F5ZCD | 430 | 431.850 | 430.250 | FRU10 R | IN97RL | Angers | 49 | F5IZJ |
| F6DBP | 430 | 433.250 | 434.850 | RB10 | IN94VV | Libourne | 33 | F6CUN |
| F5ZHD | 430 | 433.250 | 434.850 | RB10 | JN33HI | Roquebrune | 83 | F6AMW |
| F5ZDA | 430 | 430.275 | 431.875 | FRU11 | JN04RO | Cahors | 46 | F5BVY |
| F5ZSQ | 430 | 430.275 | 431.875 | FRU11 | JN08QE | Chateaudun | 28 | F1FJC |
| F5ZDJ | 430 | 430.275 | 431.875 | FRU11 | JN29OD | Verdun | 55 | F6DPR |
| 8UHB | 430 | 431.875 | 430.275 | FRU11 R | JN25JM | Vienne | 69 | F5DFN(Sk) |
| F1ZDP | 430 | 433.275 | 434.875 | RB11 | IN96GQ | La Roche Sur Yon | 85 | F1OOD |
| F1ZCY | 430 | 430.300 | 431.900 | FRU12 | JN09XI | Beauvais | 60 | F1PRY |
| F5ZGH | 430 | 430.300 | 431.900 | FRU12 | JN14II | Rodez / Vibal | 12 | F4BRT |
| F1ZCA | 430 | 430.300 | 431.900 | FRU12 | JN26WX | Salins | 39 | F5AOD |
| F1Zeq | 430 | 431.900 | 430.300 | FRU12 R | JN24VC | Digne | 4 | F6BXM |
| F | 430 | 433.300 | 434.900 | RB12 | JN33HI | Sainte Maxime | 83 | F6HBN |
| F1ZFY | 430 | 433.300 | 434.900 | RB12 | JN07WV | Orleans | 45 | F6GKG |
| F1ZCS | 430 | 430.325 | 431.925 | FRU13 | JO10GB | Amiens | 80 | F5BPO |
| F5ZRP | 430 | 430.325 | 431.925 | FRU13 | JN38FO | Luneville | 54 | F1DND |
| F1ZCR | 430 | 431.925 | 430.325 | FRU13 R | JN25WD | Grenoble | 38 | F5LGJ |
| F1ZMU | 430 | 430.325 | 439.725 | FRU13 H | IN87OV | Vannes | 56 | F1BWT |
| F5ZUW | 430 | 431.925 | 430.325 | FRU13 R | IN92OX | La Pierre St Martin | 64 | F5FGP |

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|---------|---------|------------------|-------|-------------|
| F5ZWK | 430 | 430.325 | 439.725 | FRU13 H | JN13WP | Montpellier | 34 | F5LMB |
| F1ZCX | 430 | 431.950 | 430.350 | FRU14 R | JN24DQ | Aubenas | 7 | F1MEQ |
| F1ZVV | 430 | 430.350 | 439.750 | FRU14 H | JO00SQ | Boulogne sur Mer | 62 | F4DBE |
| F5ZOF | 430 | 430.375 | 439.775 | FRU15 H | JN23SI | Roquevaire | 13 | F6BMO |
| F5ZAQ | 430 | 433.375 | 434.975 | RB15 | IN94QS | Bordeaux | 33 | F6FZQ |
| F1ZBU | 430 | 433.025 | 431.425 | FRU17 | JN38MA | La Bresse | 88 | F4DSN |
| F1ZDC | 430 | 433.025 | 431.425 | FRU17 | JN25UD | Echirolles | 38 | F5LGJ |
| F1ZBE | 430 | 433.025 | 431.425 | FRU17 | JO10SI | Valenciennes | 59 | F1MIJ |
| F1ZDN | 430 | 433.050 | 431.450 | FRU18 | JO10VE | Maubeuge | 59 | F1IWQ |
| F5Z?? | 430 | 433.075 | 431.475 | FRU19 | JN25IH | Annonay | 7 | F5DFN(Sk) |
| F5ZOE | 430 | 433.075 | 431.475 | FRU19 | JN05VG | Tulle | 19 | F5MIW |
| F5ZCU | 430 | 433.075 | 431.475 | FRU19 | JN18XH | Troyes | 10 | F1GZH |
| F1ZRC | 430 | 433.100 | 431.500 | FRU20 | JN19PU | Saint Quentin | 2 | F1TYN |
| F5ZCI | 430 | 433.100 | 431.500 | FRU20 | JN24JX | Valence | 7 | F5LUZ |
| F5ZTJ | 430 | 433.200 | 431.600 | FRU24 | JN26DM | Charolles | 71 | F5DFN(Sk) |
| F5ZCJ | 430 | 433.125 | 431.525 | FRU21 | JN24JX | Valence | 7 | F5LUZ |
| F1ZGT | 430 | 433.150 | 431.550 | FRU22 | JN14FW | Aurillac | 15 | F1IZA |
| F5ZNA | 430 | 430.150 | 439.550 | FRU06 H | JN34CL | Gap | 5 | F5IDA |
| F5ZAP | 430 | 433.175 | 431.575 | FRU23 | JN17JX | Montargis | 45 | F6DQL |
| F5ZCH | 430 | 433.175 | 431.575 | FRU23 | JN24NV | Valence | 26 | F5LUZ |
| F1ZYX | 430 | 432.825 | 431.225 | RU226 | JO10KK | Lens | 62 | F6AWS |
| F1ZTG | 430 | 432.8125 | 431.2125 | RU225 | JN35DP | Alberville | 73 | F1OFF |
| F1ZNQ | 430 | 432.975 | 431.375 | RU238 | JN05LV | Saint Junien | 87 | F1UJT |
| F5ZTJ | 430 | 432.925 | 431.325 | RU234 | JN26DM | Charolles | 71 | F5DFN(Sk) |
| F5ZSV | 430 | 432.825 | 431.225 | RU226 | JN13KX | Saint Affrique | 12 | F5SIZ |
| F5ZTY | 430 | 431.950 | 430.350 | FRU14 R | JN28WQ | Toul | 54 | F6BCD |
| F5ZTI | 430 | 431.625 | 430.025 | FRU01 R | JN25KS | Lyon | 69 | F5DFN(Sk) |
| F5ZFE | 430 | 430.375 | 431.975 | FRU15 | JN26HE | Macon | 69 | F5DFN(Sk) |
| F1ZTX | 430 | 433.150 | 431.550 | FRU22 | JN39CD | Metz | 57 | F1NGP |
| F5ZGW | 430 | 432.900 | 431.300 | RU232 | JN04FT | Bergerac | 24 | F8CNC |

Relais 1,2 GHz (MAJ ex-CNRB 03/05/2013)

| Indicatif | Bande | QRG sortie | QRG Entrée | Canal | Locator | Ville | Dépt. | Responsable |
|-----------|-------|------------|------------|-------|---------|------------------|-------|-------------|
| | 1296 | 1297.000 | 1291.000 | RM0 | JN18KJ | Moret sur Loing | 77 | F1FHB |
| | 1296 | 1297.025 | 1291.025 | RM01 | JN33ET | Ste Maxime | 83 | F6HBN |
| | 1296 | 1297.050 | 1291.050 | RM02 | JN03RO | Toulouse | 31 | F5GQS |
| F5ZFG | 1296 | 1297.125 | 1291.125 | RM05 | JN24JX | Valence | 7 | F5LUZ |
| | 1296 | 1297.250 | 1291.250 | RM10 | JN02TW | Foix | 9 | F1ACF |
| F5ZFH. | 1296 | 1297.275 | 1291.275 | RM11 | JN25HR | Lyon | 69 | F5DFN |
| F1ZGA | 1296 | 1297.350 | 1291.350 | RM14 | JN15UU | Clermont Ferrand | 63 | F1GGS |
| F1ZCO | 1296 | 1297.425 | 1291.425 | RM17 | JN12JK | Perpignan | 66 | F5HBI |
| F5ZBC. | 1296 | 1297.000 | 1291.000 | RM0 | JN19PG | Soisson | 02 | F1EGV |
| F1ZAG | 1296 | 1298.025 | 1270.025 | RS01 | IN95TM | St Lheurine | 17 | F1MMR |
| F5ZYC | 1296 | 1297.325 | 1291.325 | RM13 | JN13FL | Mazamet | 81 | F5BJX |



| Relais DSTAR | | | | | | | |
|--------------|-----------|----------|----------|----------|-----------------------|-----------|-----------|
| Dépt. | Indicatif | TX Relai | RX Relai | Offset | Nom | Latitude | Longitude |
| | F1ZCD C | 144,8500 | 144,8500 | DUP-/0 | Allevard | 45,3972 | 6,0773 |
| 13 | F5ZJQ B | 439,3500 | 431,7500 | DUP-/7,6 | Aubagne UHF | 43,298833 | 5,564833 |
| 13 | F5ZJQ C | 144,8375 | 144,8375 | DUP-/0 | Aubagne VHF | 43,298833 | 5,564833 |
| 60 | F5ZIM B | 430,4625 | 439,8625 | DUP+/9,4 | Auneuil | 49,426333 | 1,9515 |
| 59 | F1ZGY B | 433,0250 | 431,4250 | DUP-/1,6 | Bouchain UHF | 50,283333 | 3,316667 |
| 59 | F1ZGY C | 145,7875 | 145,1875 | DUP-/0,6 | Bouchain VHF | 50,283333 | 3,316667 |
| 5 | F1ZDF B | 439,3500 | 431,7500 | DUP-/7,6 | Briancon UHF | 44,911833 | 6,6452 |
| 5 | F1ZDF C | 145,2625 | 145,2625 | DUP-/0 | Briancon VHF | 44,911833 | 6,6452 |
| 2B | TK1ZBG B | 439,5125 | 430,1125 | DUP-/9,4 | Cervione Corsica | 42,333333 | 9,491333 |
| 29 | F5ZJK B | 439,3500 | 431,7500 | DUP-/7,6 | Chateauneuf Faou | 48,1755 | -3,8315 |
| 50 | F1ZJE B | 430,4375 | 439,8375 | DUP+/9,4 | Cherbourg | 49,641667 | -1,657833 |
| 87 | F1ZGZ C | 145,5750 | 144,9750 | DUP-/0,6 | Chambertie | 45,649667 | 1,039333 |
| 28 | F1ZII B | 439,3500 | 431,7500 | DUP-/7,6 | Dreux UHF | 48,739333 | 1,3525 |
| 77 | F1ZDW B | 431,0000 | 438,6000 | DUP+/7,6 | Fontenay | 48,7087 | 2,8668 |
| 81 | F5ZJL B | 430,2250 | 431,8250 | DUP+/1,6 | Font Bruno | 43,467833 | 2,252833 |
| 9 | F1ZHZ B | 439,8500 | 430,4500 | DUP-/9,4 | Foix | 42,920167 | 1,59 |
| 2B | TK1ZAR C | 144,8500 | 144,8500 | DUP-/0 | Francardo | 42,3982 | 9,1908 |
| 5 | F1ZYH B | 439,3500 | 431,7500 | DUP-/7,6 | Gap UHF | 44,614833 | 6,114833 |
| 5 | F1ZYH C | 144,8375 | 144,8375 | DUP-/0 | Gap VHF | 44,614833 | 6,114833 |
| 67 | F1ZDZ B | 430,3750 | 439,7750 | DUP+/9,4 | Haguenau | 48,822 | 7,8035 |
| 19 | F1ZJO B | 439,8250 | 430,4250 | DUP-/9,4 | Jugeals Nazareth | 45,101167 | 1,549833 |
| 83 | F5ZKQ B | 439,5625 | 431,9625 | DUP-/7,6 | La Cadiere Dazur | 43,177833 | 5,748667 |
| 76 | F5ZKO B | 439,3500 | 431,7500 | DUP-/7,6 | Le Bourg Dun | 49,880833 | 0,898333 |
| 5 | F1ZYI B | 439,5000 | 431,9000 | DUP-/7,6 | Le Galibier | 45,060333 | 6,3645 |
| 88 | F1ZBU B | 433,0250 | 431,4250 | DUP-/1,6 | Le Hohneck | 48,035833 | 7,0085 |
| 73 | F1ZBO B | 430,0500 | 431,6500 | DUP+/1,6 | Le Revard (Mt Revard) | 45,848167 | 5,9725 |
| 87 | F1ZHP B | 430,4500 | 439,8500 | DUP+/9,4 | Limoges | 45,891333 | 1,322 |
| 69 | F1ZJH B | 439,5625 | 431,9625 | DUP-/7,6 | Lyon Urbain | 45,745 | 4,832 |
| 69 | F1ZDI B | 439,3500 | 431,7500 | DUP-/7,6 | Lyon UHF | 45,775 | 4,663333 |
| 69 | F1ZDI C | 144,8375 | 144,8375 | DUP-/0 | Lyon VHF | 45,775 | 4,663333 |
| 13 | F1ZJN B | 439,3500 | 431,7500 | DUP-/7,6 | Marseille | 43,319 | 5,3705 |
| 93 | F5ZIO B | 430,4500 | 439,8500 | DUP+/9,4 | Massy | 48,703667 | 2,2425 |
| 60 | F5ZFY B | 439,9125 | 430,5125 | DUP-/9,4 | Monneville | 49,2097 | 1,9705 |
| 3 | F1ZHY B | 430,4000 | 439,8000 | DUP+/9,4 | Montmarault | 46,318 | 2,946 |
| 6 | F5ZKP B | 439,5625 | 431,9625 | DUP-/7,6 | Nice | 43,697167 | 7,254167 |
| 54 | F1ZGK B | 439,3500 | 431,7500 | DUP-/7,6 | Nancy | 48,674333 | 6,174833 |
| 67 | F5ZEE B | 439,8000 | 430,4000 | DUP-/9,4 | Niederbronn | 48,978667 | 7,615167 |
| 75 | F1ZPL C | 145,5125 | 144,9125 | DUP-/0,6 | Paris | 48,88 | 2,362 |
| 25 | F5ZCV C | 144,8500 | 144,8500 | DUP-/0 | Pontarlier | 46,891 | 6,3908 |
| 26 | F1ZEU B | 439,4000 | 431,8000 | DUP-/7,6 | Puy Saint Martin | 44,631667 | 4,974 |
| 38 | F5ZKE B | 439,8500 | 430,4500 | DUP-/9,4 | Sainte Anne | 45,498833 | 5,231 |
| 31 | F5ZKL B | 439,8000 | 430,4000 | DUP-/9,4 | Saint Alban | 43,684 | 1,408333 |
| 42 | F1ZID B | 430,2000 | 439,6000 | DUP+/9,4 | Saint Appolinard | 45,346833 | 4,646667 |
| 42 | F1ZCK B | 430,2375 | 439,6375 | DUP+/9,4 | Saint Etienne | 45,43 | 4,365833 |



| Relais DSTAR (suite) | | | | | | | |
|----------------------|---------|----------|----------|----------|---------------|-----------|----------|
| 83 | F1ZIL B | 439,3500 | 431,7500 | DUP-/7,6 | Saint Raphael | 43,434167 | 6,769667 |
| 65 | F5ZSS B | 439,3500 | 431,7500 | DUP-/7,6 | Tarbes | 43,056667 | 0,059333 |
| 57 | F5ZKN B | 438,5000 | 430,9000 | DUP-/7,6 | Thionville | 49,371667 | 6,125267 |
| 31 | F1ZGG B | 439,9000 | 430,5000 | DUP-/9,4 | Toulouse UHF | 43,6115 | 1,453667 |
| 31 | F1ZGG C | 145,6125 | 145,0125 | DUP-/0,6 | Toulouse VHF | 43,6115 | 1,453667 |
| 37 | F1ZHJ B | 439,9000 | 430,5000 | DUP-/9,4 | Tours | 47,381833 | 0,681333 |
| 26 | F1ZEM B | 433,1500 | 431,5500 | DUP-/1,6 | Valence | 45,9645 | 4,801 |
| 59 | F1ZBE B | 433,0250 | 431,4250 | DUP-/1,6 | Valenciennes | 50,3608 | 3,5003 |
| 42 | F4EED B | 144,8375 | 144,8375 | DUP-/0 | La Ricamarie | 45,4034 | 4,3609 |

Source :

<http://status.ircddb.net>

<http://www.dstarinfo.com/repeater-maps.asp>

<http://www.dstar-france.fr/>



Relais DMR (tous réseau)

| DMR-MARC | | | | | |
|-------------|-----------|---------------------|-----------|----------|------------|
| ID Répéteur | Indicatif | Ville | Fréquence | Décalage | réseau |
| 208917 | F1ZCY | Auneuil | 430.25000 | 9.400 | DMRF |
| 208403 | F1ZDD | DANGOLSHEIM | 430.23750 | 9.400 | Motorola |
| 208000 | F1ZEI | Les Lilas | 430.17500 | 9.400 | DMRF |
| 208401 | F1ZGC | Mutzig | 430.26250 | 9.400 | DMRF |
| 208007 | F1ZGI | Rueil Malmaison | 430.57500 | 9.400 | DMR-plus |
| 208008 | F1ZGO | Meudon | 430.05000 | 9.400 | DMRF |
| 208201 | F1ZIC | Combe belle et cote | 430.03750 | 9.400 | DMR-plus |
| 208092 | F1ZOI | Puteaux | 430.28750 | 9.400 | DMR-France |
| 208010 | F1ZWD | Paris | 430.15000 | 9.400 | DMR-France |
| 208238 | F4CZX | Saint Bernard | 430.56250 | 9.400 | DMR-France |
| 208003 | F5ZDO | Fontenay-Tresigny | 430.35000 | 9.400 | DMR-plus |
| 208080 | F5ZDR | Linass | 430.20000 | 9.400 | DMRF |
| 208091 | F5ZIP | La Ville-du-bois | 430.01250 | 9.400 | DMR-France |
| 208766 | F5ZJA | Pic Neulos | 439.82500 | -9.400 | DMR-plus |



| Hytera | | | | | | |
|-------------|-----------|------------------------|-----------|----------|--------|---------------|
| ID Répéteur | Indicatif | Ville | Fréquence | Décalage | | analogique |
| 208007 | F1ZGI | Rueil Malmaison | 430.5750 | 9,400 | Hytera | |
| 208766 | F5ZJA | Pic Neulos | 439.8250 | -9,400 | Hytera | |
| | F1ZIC | Grenoble | 439,4375 | -9,400 | Hytera | |
| | F5ZDO | Fontenay | 430,3500 | 9,400 | Hytera | CTCSS : 77 Hz |
| | F1ZCY | Beauvais | 430,3000 | 1,600 | Hytera | 1750 Hz |
| | F1ZHT | Saint Just En Chaussée | 430,5875 | 9,400 | Hytera | |

DMR

DIGITAL MOBILE RADIO ASSOCIATION

| Dept | ID | Indicatif | Type | TX Frequency | RX Frequency | CC |
|------|---------|--------------------------------------|----------|-----------------|-----------------|----|
| 97 | 647010 | FR5GS - ST BENOIT | Hytera | 430,1750 | 439,5750 | 1 |
| 9 | 208301 | F1ZJD - La tour du crieu | MMDVM | 439,7750 | 430,3750 | 1 |
| 80 | 208980 | F1ZFC - Moyenneville | MMDVM | 430,3750 | 439,7750 | 1 |
| 17 | 208617 | F1ZIS - La rochelle | Hytera | 430,4000 | 439,8000 | 1 |
| 66 | 208766 | F5ZJA - Pic Neulos | Hytera | 439,2500 | 430,2500 | 1 |
| 31 | 2083004 | F1ZIM - Lherm | MMDVM | 439,6250 | 430,6250 | 1 |
| 59 | 208959 | F1ZBE - Valenciennes | MMDVM | 439,2000 | 431,6000 | 1 |
| 5 | 208209 | F1ZJH - La Chapelle en valgaudema | MMDVM | 439,5600 | 431,9600 | 1 |
| 29 | 2088013 | F1NNI - Coray | MMDVM | 439,5000 | 430,1000 | 1 |
| 67 | 208405 | F1ZDD - Dangolsheim | Motorola | 430,2875 | 439,6875 | 1 |
| 62 | 208962 | F1ZVV - Saint Martin Boulogne | Hytera | 430,3500 | 439,7500 | 1 |
| 77 | 208077 | F1ZHK - Nangis | Hytera | 145,7625 | 145,1625 | 1 |
| 54 | 208954 | F1ZET - Maxeville | Hytera | 439,4000 | 431,8000 | 1 |
| 92 | 2080023 | F1PTL - Rueil Malmaison | MMDVM | 430,4000 | 439,8000 | 1 |
| 57 | 208404 | F1ULQ/R - Phalsbourg | MMDVM | 430,2375 | 439,6375 | 1 |
| 60 | 208900 | F1ZCY - Trousures | Hytera | 430,2750 | 439,6750 | 1 |
| 60 | 208922 | F1ZHT - Le Mesnil sur Bulles | Hytera | 430,5875 | 439,9875 | 15 |
| 21 | 2089036 | F4ALM/R - CHENOVE | MMDVM | 430,5875 | 439,9875 | 1 |
| 77 | 208003 | F5ZDO -Fontenay Tresigny | Hytera | 430,3500 | 439,7500 | 1 |
| 92 | 208007 | F1ZGI - Rueil Malmaison | Hytera | 430,5750 | 439,9750 | 1 |
| 42 | 208204 | F1ZCK - Saint Etienne | MMDVM | 430,3250 | 439,7250 | 1 |



| Dépt. | Indicatif | Lieu | Fréquence | Offset | CTCSS | Latitude | Longitude |
|-------|-----------|----------------|-----------|----------|--------|-----------|-----------|
| 59 | F4FHM-L | Aymeries | 431,7 | DUP-/0 | 67,0Hz | 50,2008 | 3,8375 |
| 91 | F4CQA-L | Bourges | 145,2375 | DUP-/0 | | 47,0118 | 2,354817 |
| LO | F5PBG-L | Brest | 144,625 | DUP-/0 | | 48,367 | -4,3675 |
| 59 | F6DLX-L | Lille | 144,4 | DUP-/0 | | 50,6335 | 3,1195 |
| 49 | F6JSP-L | Maze | 145,5625 | DUP-/0 | | 47,4697 | -0,287333 |
| 73 | F4FNE-L | Modane | 145,275 | DUP-/0 | | 45,1985 | 6,671667 |
| 54 | F1ZET-R | Nancy | 439,4 | DUP-/7,6 | 88,5Hz | 48,654333 | 6,107167 |
| 77 | F8KGO-L | Nangis | 145,3 | DUP-/0 | | 48,5522 | -3,0145 |
| 75 | F1TUV-L | Paris Ouest | 145,2875 | DUP-/0 | | 48,8897 | 2,209167 |
| 75 | F4GLU-L | Paris Sud | 145,3375 | DUP-/0 | | 48,6548 | 2,351 |
| 66 | F8BSY-L | Perpignan | 145,3625 | DUP-/0 | | 42,7198 | 2,886817 |
| 33 | F5PON-L | Reignac | 145,2875 | DUP-/0 | | 45,2867 | -0,466 |
| 76 | F8KGK-L | Rouen | 144,575 | DUP-/0 | | 49,4565 | 1,117667 |
| LO | F4HES-L | Royan | 145,325 | DUP-/0 | | 45,609 | -1,003667 |
| 24 | F1OYP-L | Saint-Astier | 433,4 | DUP-/0 | | 45,1653 | 0,484833 |
| 59 | F5NTS-L | Saulzoir | 144,8 | DUP-/0 | | 50,238 | 3,441317 |
| 17 | F8DHA-L | St Leger | 144,6875 | DUP-/0 | | 45,6 | -0,533333 |
| LO | F4EWZ-L | St Quentin | 145,2875 | DUP-/0 | | 49,7918 | 3,3155 |
| LO | FG8OJ-L | St-Francois | 146,5 | DUP-/0 | | 16,45 | -61,4833 |
| 57 | F8KGY-L | Thionville | 145,2875 | DUP-/0 | | 49,3525 | 6,1721 |
| 31 | F5UFI-L | Toulouse | 144,6125 | DUP-/0 | | 43,6843 | 1,413817 |
| 37 | F6KCI-L | Tours Nord | 145,5375 | DUP-/0 | | 47,44 | 0,687167 |
| 85 | F8BIB-L | Vendee | 145,2625 | DUP-/0 | | 46,6295 | -1,609667 |
| 42 | F4GIX-L | Saint Etienne | 145,2875 | DUP-/0 | | 45,421833 | 4,402 |
| 2 | F1ZFS-R | Saint Gobain | 145,675 | DUP-/0,6 | | 49,577333 | 3,431 |
| 87 | F1ZHA-R | Limoges | 145,3875 | DUP-/0 | | 45,875833 | 1,298833 |
| 35 | F1ZHH-R | Dinard | 145,3125 | DUP-/0 | | 48,616667 | 2,033333 |
| 87 | F4BQN-L | Rilhac Rancor | 145,3125 | DUP-/0 | | 45,896667 | 1,3255 |
| 24 | F5ZFX-R | Sarlat | 145,625 | DUP-/0,6 | | 44,791167 | 1,243833 |
| 87 | F5ZGM-R | eyrat - Chatea | 145,65 | DUP-/0,6 | 88,5Hz | 45,783667 | 1,810667 |
| 87 | F5ZJC-L | Saint Junien | 145,2875 | DUP-/0 | 71,9Hz | 45,840833 | 0,946833 |



Aide au trafic Radio



| | |
|---------|-----------------------------------------------------------------------------------|
| 73 | : Best Regards |
| 88 | : Hugs and Kisses |
| ABT | : About |
| AGN | : Again |
| ANT | : Antenna |
| ARND | : Around |
| B4 | : Before |
| BCNU | : Be Seeing You |
| BK | : Break, Back ("I'm back now" or "Back to you") |
| BN | : Been |
| BTR | : Better |
| BUX | : Dollars |
| CLDY | : Cloudy |
| CLR | : Clear (usually a description of the weather) |
| CNTCT | : Contact |
| CONDX | : Conditions |
| CPY,CPI | : Copy |
| CU | : See you |
| CUD | : Could |
| CUL | : See You Later |
| CUZ | : Because |
| DR | : Dear (often used by foreign/DX operators in front of the other operator's name) |
| ES | : And |
| FB | : Fine Business (good, excellent, OK) |
| FER | : For |
| FT | : Feet |
| GA | : Good Afternoon, Go Ahead |
| GB | : Good Bye, God Bless |
| GE | : Good Evening |
| GL | : Good Luck |
| GM | : Good Morning |
| GUD | : Good HI--Telegraphic Laughing |
| HPE | : Hope |
| HR | : Here, Hear |
| HV | : Have |
| HW | : How (or "How copy?") |
| LIL | : Little |
| MN | : Many |
| NR | : Near, Number |
| NW | : Now |
| OM | : Old Man |
| OP | : Operator (Sometimes used insted of "name" when introducing oneself.) |
| PSE | : Please |
| PWR | : Power |
| RCVR | : Receiver |
| SIGS | : Signals |
| SN | : Soon |

March 2016 Edition

Current Entities Total: 339 (Entry level Honor Roll is 330 current entities)

The ARRL DXCC List is also available from our Publication Sales Department for \$5.95 each plus shipping. In addition to the List, the paper copy includes: the DXCC rules, DXCC Award Application, ARRL DXCC Card Checkers, Incoming and Outgoing QSL Bureau information and more.

Effective April 2, 2012 DXCC card checkers can check all current and deleted entities on the DXCC list. Also, only approved DXCC card checkers can check 160 Meters. For the list of approved 160 Meter card checkers (noted in Red) visit: <http://www.arrl.org/160-meter-card-checkers>

Note: *Indicates current list of entities for which QSLs may be forwarded by the ARRL membership Outgoing QSL Service.

Indicates entities with which US Amateurs may legally handle third-party message traffic.

ARRL DXCC LIST

All entities on the current list are eligible for fieldchecking

Note: * Indicates current list of entities for which QSLs may be forwarded by the ARRL membership Outgoing QSL Service.

Note: # Indicates entities with which U.S. amateurs may legally handle third-party message traffic.

Liste préfixes DXCC au 03/05/2013

| Prefix | Entity | Cont | ITU | CQ | Entity Code |
|-----------|---------------------------|------|-----|----|-------------|
| (1) | Spratly Is. | AS | 50 | 26 | 247 |
| 1A(1) | Sov. Mil. Order of Malta | EU | 28 | 15 | 246 |
| 3A* | Monaco | EU | 27 | 14 | 260 |
| 3B6,7 | Agalega & St. Brandon Is. | AF | 53 | 39 | 4 |
| 3B8 | Mauritius | AF | 53 | 39 | 165 |
| 3B9 | Rodriguez I. | AF | 53 | 39 | 207 |
| 3C | Equatorial Guinea | AF | 47 | 36 | 49 |
| 3C0 | Annobon I. | AF | 52 | 36 | 195 |
| 3D2* | Fiji | OC | 56 | 32 | 176 |
| 3D2 | Conway Reef | OC | 56 | 32 | 489 |
| 3D2* | Rotuma I. | OC | 56 | 32 | 460 |
| 3DA# | Swaziland | AF | 57 | 38 | 468 |
| 3V* | Tunisia | AF | 37 | 33 | 474 |
| 3W,XV | Viet Nam | AS | 49 | 26 | 293 |
| 3X | Guinea | AF | 46 | 35 | 107 |
| 3Y* | Bouvet | AF | 67 | 38 | 24 |
| 3Y* | Peter 1 I. | AN | 72 | 12 | 199 |
| 4J,4K | Azerbaijan | AS | 29 | 21 | 18 |
| 4L* | Georgia | AS | 29 | 21 | 75 |
| 4O47* | Montenegro | EU | 28 | 15 | 514 |
| 4S* | Sri Lanka | AS | 41 | 22 | 315 |
| 4U_ITU#* | ITU HQ | EU | 28 | 14 | 117 |
| 4U_UN* | United Nations HQ | NA | 8 | 5 | 289 |
| 4W (44) | Timor - Leste | OC | 54 | 28 | 511 |
| 4X,4Z | Israel | AS | 39 | 20 | 336 |
| 5A | Libya | AF | 38 | 34 | 436 |
| 5B,C4,P3* | Cyprus | AS | 39 | 20 | 215 |
| 5H-5I* | Tanzania | AF | 53 | 37 | 470 |
| 5N* | Nigeria | AF | 46 | 35 | 450 |
| 5R | Madagascar | AF | 53 | 39 | 438 |
| 5T2 | Mauritania | AF | 46 | 35 | 444 |
| 5U3 | Niger | AF | 46 | 35 | 187 |
| 5V | Togo | AF | 46 | 35 | 483 |
| 5W* | Samoa | OC | 62 | 32 | 190 |
| 5X* | Uganda | AF | 48 | 37 | 286 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|---------|----------------------|--------|-----|----|------|
| 5Y-5Z* | Kenya | AF | 48 | 37 | 430 |
| 6V-6W4* | Senegal | AF | 46 | 35 | 456 |
| 6Y#* | Jamaica | NA | 11 | 8 | 82 |
| 7O5 | Yemen | AS | 39 | 21 | 492 |
| 7P | Lesotho | AF | 57 | 38 | 432 |
| 7Q | Malawi | AF | 53 | 37 | 440 |
| 7T-7Y* | Algeria | AF | 37 | 33 | 400 |
| 8P* | Barbados | NA | 11 | 8 | 62 |
| 8Q* | Maldives | AS/AF | 41 | 22 | 159 |
| 8R#* | Guyana | SA | 12 | 9 | 129 |
| 9A6* | Croatia | EU | 28 | 15 | 497 |
| 9G7#* | Ghana | AF | 46 | 35 | 424 |
| 9H* | Malta | EU | 28 | 15 | 257 |
| 9I-9J* | Zambia | AF | 53 | 36 | 482 |
| 9K* | Kuwait | AS | 39 | 21 | 348 |
| 9L# | Sierra Leone | AF | 46 | 35 | 458 |
| 9M2,48* | West Malaysia | AS | 54 | 28 | 299 |
| 9M6,88* | East Malaysia | OC | 54 | 28 | 46 |
| 9N | Nepal | AS | 42 | 22 | 369 |
| 9Q-9T* | Dem. Rep. Of Congo | AF | 52 | 36 | 414 |
| 9U9 | Burundi | AF | 52 | 36 | 404 |
| 9V10* | Singapore | AS | 54 | 28 | 381 |
| 9X9 | Rwanda | AF | 52 | 36 | 454 |
| 9Y-9Z#* | Trinidad & Tobago | SA | 11 | 9 | 90 |
| A2* | Botswana | AF | 57 | 38 | 402 |
| A3 | Tonga | OC | 62 | 32 | 160 |
| A4* | Oman | AS | 39 | 21 | 370 |
| A5 | Bhutan | AS | 41 | 22 | 306 |
| A6 | United Arab Emirates | AS | 39 | 21 | 391 |
| A7* | Qatar | AS | 39 | 21 | 376 |
| A9* | Bahrain | AS | 39 | 21 | 304 |
| AP* | Pakistan | AS | 41 | 21 | 372 |
| B* | China | AS (A) | 23 | 24 | 318 |
| BS711 | Scarborough Reef | AS | 50 | 27 | 506 |
| BU-BX* | Taiwan | AS | 44 | 24 | 386 |
| BV9P12 | Pratas I. | AS | 44 | 24 | 505 |
| C2 | Nauru | OC | 65 | 31 | 157 |
| C3* | Andorra | EU | 27 | 14 | 203 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|--------------|--------------------------|------|-------|-----|------|
| C5# | The Gambia | AF | 46 | 35 | 422 |
| C6 | Bahamas | NA | 11 | 8 | 60 |
| C8-9* | Mozambique | AF | 53 | 37 | 181 |
| CA-CE#* | Chile | SA | 14,16 | 12 | 112 |
| CE0#* | Easter I. | SA | 63 | 12 | 47 |
| CE0#* | Juan Fernandez Is. | SA | 14 | 12 | 125 |
| CE0#* | San Felix & San Ambrosio | SA | 14 | 12 | 217 |
| CE9/KC4^* | Antarctica | AN | (B) | (C) | 13 |
| CM,CO#* | Cuba | NA | 11 | 8 | 70 |
| CN | Morocco | AF | 37 | 33 | 446 |
| CP#* | Bolivia | SA | 12,14 | 10 | 104 |
| CT* | Portugal | EU | 37 | 14 | 272 |
| CT3* | Madeira Is. | AF | 36 | 33 | 256 |
| CU* | Azores | EU | 36 | 14 | 149 |
| CV-CX#* | Uruguay | SA | 14 | 13 | 144 |
| CY0* | Sable I. | NA | 9 | 5 | 211 |
| CY9* | St. Paul I. | NA | 9 | 5 | 252 |
| D2-3 | Angola | AF | 52 | 36 | 401 |
| D4 | Cape Verde | AF | 46 | 35 | 409 |
| D6*#13 | Comoros | AF | 53 | 39 | 411 |
| DA-DR14* | Fed. Rep. Of Germany | EU | 28 | 14 | 230 |
| DU-DZ,4D-4I# | Philippines | OC | 50 | 27 | 375 |
| E315 | Eritrea | AF | 48 | 37 | 51 |
| E443 | Palestine | AS | 39 | 20 | 510 |
| E5 | N. Cook Is. | OC | 62 | 32 | 191 |
| E5 | S. Cook Is. | OC | 62 | 32 | 234 |
| EA6* | Niue | OC | 62 | 32 | 188 |
| E729#* | Bosnia-Herzegovina | EU | 28 | 15 | 501 |
| EA-EH* | Spain | EU | 37 | 14 | 281 |
| EA6-EH6* | Balearic Is. | EU | 37 | 14 | 21 |
| EA8-EH8* | Canary Is. | AF | 36 | 33 | 29 |
| EA9-EH9* | Ceuta & Melilla | AF | 37 | 33 | 32 |
| EI-EJ* | Ireland | EU | 27 | 14 | 245 |
| EK* | Armenia | AS | 29 | 21 | 14 |
| EL#* | Liberia | AF | 46 | 35 | 434 |
| EP-EQ* | Iran | AS | 40 | 21 | 330 |
| ER* | Moldova | EU | 29 | 16 | 179 |
| ES* | Estonia | EU | 29 | 15 | 52 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|--------------|--------------------------|------|-------|----|------|
| ET* | Ethiopia | AF | 48 | 37 | 53 |
| EU-EW* | Belarus | EU | 29 | 16 | 27 |
| EX* | Kyrgyzstan | AS | 30,31 | 17 | 135 |
| EY* | Tajikistan | AS | 30 | 17 | 262 |
| EZ* | Turkmenistan | AS | 30 | 17 | 280 |
| F* | France | EU | 27 | 14 | 227 |
| FG,TO* | Guadeloupe | NA | 11 | 8 | 79 |
| FH,TO13* | Mayotte | AF | 53 | 39 | 169 |
| FJ,TO49* | Saint Barthelemy | NA | 11 | 8 | 516 |
| FK,TX* | New Caledonia | OC | 56 | 32 | 162 |
| FK,TX45 | Chesterfield Is. | OC | 56 | 30 | 512 |
| FM,TO* | Martinique | NA | 11 | 8 | 84 |
| FO,TX16* | Austral I. | OC | 63 | 32 | 508 |
| FO,TX* | Clipperton I. | NA | 10 | 7 | 36 |
| FO,TX* | French Polynesia | OC | 63 | 32 | 175 |
| FO,TX16* | Marquesas Is. | OC | 63 | 31 | 509 |
| FP* | St. Pierre & Miquelon | NA | 9 | 5 | 277 |
| FR,TO* | Reunion I. | AF | 53 | 39 | 453 |
| FT/G,TO17* | Glorioso Is. | AF | 53 | 39 | 99 |
| FT/J,E,TO17* | Juan de Nova, Europa | AF | 53 | 39 | 124 |
| FT/T,TO* | Tromelin I. | AF | 53 | 39 | 276 |
| FS,TO* | Saint Martin | NA | 11 | 8 | 213 |
| FT/W* | Crozet I. | AF | 68 | 39 | 41 |
| FT/X* | Kerguelen Is. | AF | 68 | 39 | 131 |
| FT/Z* | Amsterdam & St. Paul Is. | AF | 68 | 39 | 10 |
| FW* | Wallis & Futuna Is. | OC | 62 | 32 | 298 |
| FY* | French Guiana | SA | 12 | 9 | 63 |
| G,GX,M* | England | EU | 27 | 14 | 223 |
| GD,GT* | Isle of Man | EU | 27 | 14 | 114 |
| GI,GN* | Northern Ireland | EU | 27 | 14 | 265 |
| GJ,GH* | Jersey | EU | 27 | 14 | 122 |
| GM,GS* | Scotland | EU | 27 | 14 | 279 |
| GU,GP* | Guernsey | EU | 27 | 14 | 106 |
| GW,GC* | Wales | EU | 27 | 14 | 294 |
| H4* | Solomon Is. | OC | 51 | 28 | 185 |
| H4018* | Temotu Province | OC | 51 | 32 | 507 |
| HA,HG* | Hungary | EU | 28 | 15 | 239 |
| HB* | Switzerland | EU | 28 | 14 | 287 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|--------------|--------------------------|------|-------|-------|------|
| HB0 | Liechtenstein | EU | 28 | 14 | 251 |
| HC-HD#* | Ecuador | SA | 12 | 10 | 120 |
| HC8-HD8#* | Galapagos Is. | SA | 12 | 10 | 71 |
| HH# | Haiti | NA | 11 | 8 | 78 |
| HI#* | Dominican Republic | NA | 11 | 8 | 72 |
| HJ-HK,5J-5K# | Colombia | SA | 12 | 9 | 116 |
| HK0#* | Malpelo I. | SA | 12 | 9 | 161 |
| HK0#* | San Andres & Providencia | NA | 11 | 7 | 216 |
| HL,6K-6N* | Republic of Korea | AS | 44 | 25 | 137 |
| HO-HP#* | Panama | NA | 11 | 7 | 88 |
| HQ-HR#* | Honduras | NA | 11 | 7 | 80 |
| HS,E2* | Thailand | AS | 49 | 26 | 387 |
| HV | Vatican | EU | 28 | 15 | 295 |
| HZ* | Saudi Arabia | AS | 39 | 21 | 378 |
| I* | Italy | EU | 28 | 15,33 | 248 |
| IS0,IM0* | Sardinia | EU | 28 | 15 | 225 |
| J2* | Djibouti | AF | 48 | 37 | 382 |
| J3#* | Grenada | NA | 11 | 8 | 77 |
| J5 | Guinea-Bissau | AF | 46 | 35 | 109 |
| J6#* | St. Lucia | NA | 11 | 8 | 97 |
| J7#* | Dominica | NA | 11 | 8 | 95 |
| J8# | St. Vincent | NA | 11 | 8 | 98 |
| JA-JS,7J-7N* | Japan | AS | 45 | 25 | 339 |
| JD119* | Minami Torishima | OC | 90 | 27 | 177 |
| JD120* | Ogasawara | AS | 45 | 27 | 192 |
| JT-JV* | Mongolia | AS | 32,33 | 23 | 363 |
| JW* | Svalbard | EU | 18 | 40 | 259 |
| JX* | Jan Mayen | EU | 18 | 40 | 118 |
| JY#* | Jordan | AS | 39 | 20 | 342 |
| K,W,N,AA-AK | United States of América | NA | 6,7,8 | 3,4,5 | 291 |
| KG4# | Guantanamo Bay | NA | 11 | 8 | 105 |
| KH0# | Mariana Is. | OC | 64 | 27 | 166 |
| KH1# | Baker & Howland Is. | OC | 61 | 31 | 20 |
| KH2#* | Guam | OC | 64 | 27 | 103 |
| KH3#* | Johnston I. | OC | 61 | 31 | 123 |
| KH4# | Midway I. | OC | 61 | 31 | 174 |
| KH5# | Palmyra & Jarvis Is. | OC | 61,62 | 31 | 197 |
| KH6,7#* | Hawaii | OC | 61 | 31 | 110 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|-------------|----------------------------|------|-------|----|------|
| KH7K# | Kure I. | OC | 61 | 31 | 138 |
| KH8#* | American Samoa | OC | 62 | 32 | 9 |
| KH848#* | Swains I. | OC | 62 | 32 | 515 |
| KH9# | Wake I. | OC | 65 | 31 | 297 |
| KL,AL,NL,WL | Alaska | NA | 1,2 | 1 | 6 |
| KP1# | Navassa I. | NA | 11 | 8 | 182 |
| KP2#* | Virgin Is. | NA | 11 | 8 | 285 |
| KP3,4#* | Puerto Rico | NA | 11 | 8 | 202 |
| KP522# | Desecheo I. | NA | 11 | 8 | 43 |
| LA-LN* | Norway | EU | 18 | 14 | 266 |
| LO-LW#* | Argentina | SA | 14,16 | 13 | 100 |
| LX* | Luxembourg | EU | 27 | 14 | 254 |
| LY* | Lithuania | EU | 29 | 15 | 146 |
| LZ* | Bulgaria | EU | 28 | 20 | 212 |
| OA-OC#* | Peru | SA | 12 | 10 | 136 |
| OD* | Lebanon | AS | 39 | 20 | 354 |
| OE#* | Austria | EU | 28 | 15 | 206 |
| OF-OI* | Finland | EU | 18 | 15 | 224 |
| OH0* | Aland Is. | EU | 18 | 15 | 5 |
| OJ0* | Market Reef | EU | 18 | 15 | 167 |
| OK-OL23* | Czech Republic | EU | 28 | 15 | 503 |
| OM23* | Slovak Republic | EU | 28 | 15 | 504 |
| ON-OT* | Belgium | EU | 27 | 14 | 209 |
| OU-OW,OZ* | Denmark | EU | 18 | 14 | 221 |
| OX* | Greenland | NA | 5,75 | 40 | 237 |
| OY* | Faroe Is. | EU | 18 | 14 | 222 |
| P224 | Papua New Guinea | OC | 51 | 28 | 163 |
| P425* | Aruba | SA | 11 | 9 | 91 |
| P526 | DPR of Korea | AS | 44 | 25 | 344 |
| PA-PI* | Netherlands | EU | 27 | 14 | 263 |
| PJ250 | Curacao | SA | 11 | 9 | 517 |
| PJ451 | Bonaire | SA | 11 | 9 | 520 |
| PJ5,652 | Saba & St. Eustatius | NA | 11 | 8 | 519 |
| PJ753 | St Maarten | NA | 11 | 8 | 518 |
| PP-PY,ZV-ZZ | Brazil | SA | (D) | 11 | 108 |
| PP0-PY0F#* | Fernando de Noronha | SA | 13 | 11 | 56 |
| PP0-PY0S#* | St. Peter & St. Paul Rocks | SA | 13 | 11 | 253 |
| PP0-PY0T#* | Trindade & Martim Vaz Is. | SA | 15 | 11 | 273 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|---------------|-----------------------------------|-------|-------|----|------|
| PZ | Suriname | SA | 12 | 9 | 140 |
| R1/F* | Franz Josef Land | EU | 75 | 40 | 61 |
| S01,27 | Western Sahara | AF | 46 | 33 | 302 |
| S2* | Bangladesh | AS | 41 | 22 | 305 |
| S56* | Slovenia | EU | 28 | 15 | 499 |
| S7 | Seychelles | AF | 53 | 39 | 379 |
| S9 | Sao Tome & Principe | AF | 47 | 36 | 219 |
| SA-SM,7S-8S | Sweden | EU | 18 | 14 | 284 |
| SN-SR* | Poland | EU | 28 | 15 | 269 |
| ST | Sudan | AF | 47,48 | 34 | 466 |
| SU | Egypt | AF | 38 | 34 | 478 |
| SV-SZ,J4* | Greece | EU | 28 | 20 | 236 |
| SV/A* | Mount Athos | EU | 28 | 20 | 180 |
| SV5,J45* | Dodecanese | EU | 28 | 20 | 45 |
| SV9,J49* | Crete | EU | 28 | 20 | 40 |
| T228 | Tuvalu | OC | 65 | 31 | 282 |
| T30 | W. Kiribati (Gilbert Is.) | OC | 65 | 31 | 301 |
| T31 | C. Kiribati (British Phoenix Is.) | OC | 62 | 31 | 31 |
| T32 | E.Kiribati (Line Is.) | OC | 61,63 | 31 | 48 |
| T33 | Banaba I. (Ocean I.) | OC | 65 | 31 | 490 |
| T5,6O | Somalia | AF | 48 | 37 | 232 |
| T7* | San Marino | EU | 28 | 15 | 278 |
| T821 | Palau | OC | 64 | 27 | 22 |
| TA-TC* | Turkey | EU/AS | 39 | 20 | 390 |
| TF* | Iceland | EU | 17 | 40 | 242 |
| TG,TD#* | Guatemala | NA | 12 | 7 | 76 |
| TI,TE#* | Costa Rica | NA | 11 | 7 | 308 |
| TI9#* | Cocos I. | NA | 12 | 7 | 37 |
| TJ | Cameroon | AF | 47 | 36 | 406 |
| TK* | Corsica | EU | 28 | 15 | 214 |
| TL30 | Central Africa | AF | 47 | 36 | 408 |
| TN31 | Congo (Republic of the) | AF | 52 | 36 | 412 |
| TR32* | Gabon | AF | 52 | 36 | 420 |
| TT33 | Chad | AF | 47 | 36 | 410 |
| TU34 | Cote d'Ivoire | AF | 46 | 35 | 428 |
| TY35 | Benin | AF | 46 | 35 | 416 |
| TZ36* | Mali | AF | 46 | 35 | 442 |
| UA-UI1,3,4,6, | European Russia | EU | (E) | 16 | 54 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|--------------|-----------------------|------|-------|--------|------|
| UA2,RA2* | Kaliningrad | EU | 29 | 15 | 126 |
| UA-UI8,9,0,R | Asiatic Russia | AS | (F) | (G) | 15 |
| UJ-UM | Uzbekistan | AS | 30 | 17 | 292 |
| UN-UQ* | Kazakhstan | AS | 29-31 | 17 | 130 |
| UR-UZ,EM-E | Ukraine | EU | 29 | 16 | 288 |
| V2#* | Antigua & Barbuda | NA | 11 | 8 | 94 |
| V3# | Belize | NA | 11 | 7 | 66 |
| V437# | St. Kitts & Nevis | NA | 11 | 8 | 249 |
| V5* | Namibia | AF | 57 | 38 | 464 |
| V6(38) | Micronesia | OC | 65 | 27 | 173 |
| V7#* | Marshall Is. | OC | 65 | 31 | 168 |
| V8* | Brunei Darussalam | OC | 54 | 28 | 345 |
| VA-VG,VO,V | Canada | NA | (H) | 01-mai | 1 |
| VK,AX#* | Australia | OC | (I) | 29,3 | 150 |
| VK0#* | Heard I. | AF | 68 | 39 | 111 |
| VK0#* | Macquarie I. | OC | 60 | 30 | 153 |
| VK9C#* | Cocos (Keeling) Is. | OC | 54 | 29 | 38 |
| VK9L#* | Lord Howe I. | OC | 60 | 30 | 147 |
| VK9M#* | Mellish Reef | OC | 56 | 30 | 171 |
| VK9N* | Norfolk I. | OC | 60 | 32 | 189 |
| VK9W#* | Willis I. | OC | 55 | 30 | 303 |
| VK9X#* | Christmas I. | OC | 54 | 29 | 35 |
| VP2E37 | Anguilla | NA | 11 | 8 | 12 |
| VP2M37 | Montserrat | NA | 11 | 8 | 96 |
| VP2V37* | British Virgin Is. | NA | 11 | 8 | 65 |
| VP5* | Turks & Caicos Is. | NA | 11 | 8 | 89 |
| VP6#* | Pitcairn I. | OC | 63 | 32 | 172 |
| VP646* | Ducie I. | OC | 63 | 32 | 513 |
| VP8* | Falkland Is. | SA | 16 | 13 | 141 |
| VP8,LU* | South Georgia I. | SA | 73 | 13 | 235 |
| VP8,LU* | South Orkney Is. | SA | 73 | 13 | 238 |
| VP8,LU* | South Sandwich Is. | SA | 73 | 13 | 240 |
| VP8,LU,CE9, | South Shetland Is. | SA | 73 | 13 | 241 |
| VP9* | Bermuda | NA | 11 | 5 | 64 |
| VQ9* | Chagos Is. | AF | 41 | 39 | 33 |
| VR* | Hong Kong | AS | 44 | 24 | 321 |
| VU* | India | AS | 41 | 22 | 324 |
| VU4* | Andaman & Nicobar Is. | AS | 49 | 26 | 11 |

| Prefix | Entity | Cont | ITU | CQ | Code |
|-------------|------------------------------|------|-------|----|------|
| VU7* | Lakshadweep Is. | AS | 41 | 22 | 142 |
| XA-XI#* | Mexico | NA | 10 | 6 | 50 |
| XA4-XI4#* | Revillagigedo | NA | 10 | 6 | 204 |
| XT39* | Burkina Faso | AF | 46 | 35 | 480 |
| XU | Cambodia | AS | 49 | 26 | 312 |
| XW | Laos | AS | 49 | 26 | 143 |
| XX9* | Macao | AS | 44 | 24 | 152 |
| XY-XZ | Myanmar | AS | 49 | 26 | 309 |
| YA,T6 | Afghanistan | AS | 40 | 21 | 3 |
| YB-YH40* | Indonesia | OC | 51,54 | 28 | 327 |
| YI* | Iraq | AS | 39 | 21 | 333 |
| YJ* | Vanuatu | OC | 56 | 32 | 158 |
| YK* | Syria | AS | 39 | 20 | 384 |
| YL* | Latvia | EU | 29 | 15 | 145 |
| YN,H6-7,HT# | Nicaragua | NA | 11 | 7 | 86 |
| YO-YR* | Romania | EU | 28 | 20 | 275 |
| YS,HU#* | El Salvador | NA | 11 | 7 | 74 |
| YT-YU* | Serbia | EU | 28 | 15 | 296 |
| YV-YY,4M#* | Venezuela | SA | 12 | 9 | 148 |
| YV0#* | Aves I. | NA | 11 | 8 | 17 |
| Z2 | Zimbabwe | AF | 53 | 38 | 452 |
| Z341* | Macedonia | EU | 28 | 15 | 502 |
| Z854 | South Sudan (Rep of) | AF | 48 | 34 | 521 |
| ZA | Albania | EU | 28 | 15 | 7 |
| ZB2* | Gibraltar | EU | 37 | 14 | 233 |
| ZC442* | UK Sov. Base Areas on Cyprus | AS | 39 | 20 | 283 |
| ZD7* | St. Helena | AF | 66 | 36 | 250 |
| ZD8* | Ascension I. | AF | 66 | 36 | 205 |
| ZD9 | Tristan da Cunha & Gough I. | AF | 66 | 38 | 274 |
| ZF* | Cayman Is. | NA | 11 | 8 | 69 |
| ZK3* | Tokelau Is. | OC | 62 | 31 | 270 |
| ZL-ZM* | New Zealand | OC | 60 | 32 | 170 |
| ZL7* | Chatham Is. | OC | 60 | 32 | 34 |
| ZL8* | Kermadec Is. | OC | 60 | 32 | 133 |
| ZL9* | Auckland & Campbell Is. | OC | 60 | 32 | 16 |
| ZP#* | Paraguay | SA | 14 | 11 | 132 |
| ZR-ZU#* | South Africa | AF | 57 | 38 | 462 |
| ZS8* | Prince Edward & Marion Is. | AF | 57 | 38 | 201 |

| Continent | Zone Notes |
|--------------------|--------------------------------|
| | |
| AF = Africa | (A) 33, 42, 43, 44, 47, 48 |
| AN = Antarctica | (B) 67, 69-74 |
| AS = Asia | (C) 12, 13, 29, 30, 32, 38, 39 |
| EU = Europe | (D) 12, 13, 15 |
| NA = North America | (E) 19, 20, 29, 30 |
| OC = Oceania | (F) 20-26, 30-35, 75 |
| SA = South America | (G) 16, 17, 18, 19, 23 |
| | (H) 2, 3, 4, 9, 75 |
| | (I) 55, 58, 59 |

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NOTES:

- 1 Unofficial prefix.
- 2 (5T) Only contacts made June 20, 1960, and after, count for this entity.
- 3 (5U) Only contacts made August 3, 1960, and after, count for this entity.
- 4 (6W) Only contact made June 20, 1960, and after, count for this entity.
- 5 (70) Only contacts made May 22, 1990, and after, count for this entity.
- 6 (9A,S5) Only contacts made June 26, 1991, and after, count for this entity.
- 7 (9G) Only contacts made March 5, 1957, and after, count for this this entity.
- 8 (9M2,4,6,8) Only contacts made September 16, 1963, and after, count for this entity.
- 9 (9U, 9X) Only contacts made July 1, 1962, and after, count for this entity.
- 10 (9V) Contacts made from September 16, 1963 to August 8, 1965, count for West Malaysia.
- 11 (BS7) Only contacts made January 1, 1995, and after, count for this entity.
- 12 (BV9P) Only contact made January 1, 1994, and after, count for this entity.
- 13 (D6,FH) Only contacts made July 6, 1975, and after, count for this entity.
- 14 (DA-DR) Only contacts made with DA-DL stations September 17, 1973, and after, and contacts made Y2-Y9 stations October 3, 1990 and after, count for this entity
- 15 (E3) Only contacts made November 14, 1962, and before, or May 24, 1991, and after, count for this entity.
- 16 (FO) Only contacts made after 23:59 UTC, March 31, 1998 count for this entity.
- 17 (FR) Only contacts made June 25, 1960, and after, count for this entity.
- 18 (H40) Only contacts made after 23:59 UTC, March 31, 1998 count for this entity.
- 19 (JD) Formerly Marcus Island.
- 20 (JD) Formerly Bonin and Volcano Islands
- 21 (T8) Valid prefix January 1, 1994, or after (KC6 prior to this date).
- 22 (KP5) Only contacts made March 1, 1979, and after, count for this entity.
- 23 (OK-OL, OM) Only contacts made January 1, 1993, and after, count for this entity.
- 24 (P2) Only contacts made September 16, 1975, and after count for this entity.
- 25 (P4) Only contacts made January 1, 1986, and after, count for this entity.
- 26 (P5) Only contacts made May 14, 1995, and after, count for this entity.
- 27 (S0) Contacts with Rio de Oro (Spanish Sahara), EA9, also count for this entity.
- 28 (T2) Only contacts made January 1, 1976, and after, count for this entity.
- 29 (E7) New prefix for Bosnia - Herzegovina effective November 17, 2007. Contacts are valid for this entity effective October 15, 1991.

NOTES 2/2:

- 52 (PJ5, 6) Only contacts made starting 0400 UTC October 10, 2010, or after, count for this entity.
- 53 (PJ7) Only contacts made starting 0400 UTC October 10, 2010, or after, count for this entity
- 54 (Z8) Only contacts made July 14, 2011, or after, count for this entity. Also 3Y, 8J1, AT0, DP0, FT8Y, LU, OR, VK0, R1AW, VP8, ZL5, ZS1, ZX0, etc. QSL via country under whose auspices the particular

station is operating. The availability of a third-party traffic agreement and a QSL Bureau applies to the country under whose auspices the particular station is operating.

Zone Notes can be found with Prefix Cross References.

Liste des codes Q

| CODE | QUESTION | RÉPONSE |
|-------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| QRA | Quel est le nom de votre station ? | Le nom de ma station est... |
| QRB | À quelle distance approximative vous trouvez-vous de ma station ? | La distance approximative entre nos stations est de... miles (ou kilomètres). |
| QRG | Voulez-vous m'indiquer ma fréquence exacte (ou la fréquence exacte de...) ? | Votre fréquence exacte (ou la fréquence exacte de...) est... kHz (ou MHz). |
| QRH | Ma fréquence varie-t-elle ? | Votre fréquence varie. |
| QRI | Quelle est la tonalité de mon émission ? | La tonalité de votre émission est : 1 : bonne ; 2 : variable ; 3 : mauvaise. |
| QRK | Quelle est l'intelligibilité de mes signaux (ou des signaux de...) ? | L'intelligibilité de vos signaux (ou des signaux de...) est : 1 : mauvaise ; 2 : médiocre ; 3 : assez bonne ; 4 : bonne ; 5 : excellente. |
| QRL | Êtes-vous occupé ? | Je suis occupé (ou et suis occupé avec...). Prière de ne pas brouiller. |
| QRM | Êtes-vous brouillé ? | 1 : Je ne suis nullement brouillé ; 2 : faiblement ; 3 : modérément ; 4 : fortement ; 5 : très fortement. |
| QRN | Êtes-vous troublé par des parasites ? | 1 : je ne suis nullement troublé ; 2 : faiblement ; 3 : modérément ; 4 : fortement ; 5 : très fortement. |
| QRO | Dois-je augmenter la puissance d'émission ? | Augmentez la puissance d'émission. |
| QRP | Dois-je diminuer la puissance d'émission ? | Diminuez la puissance d'émission. |
| QRQ | Dois-je transmettre plus vite ? | Transmettez plus vite (... mots/mn). |
| QRS | Dois-je transmettre plus lentement ? | Transmettez plus lentement (... mots/mn). |
| QRT | Dois-je cesser la transmission ? | Cessez la transmission. |
| QRU | Avez-vous quelque chose pour moi ? | Je n'ai rien pour vous. |
| QRV | Êtes-vous prêt ? | Je suis prêt. |
| QRX | À quel moment me rappellerez-vous ? | Je vous rappellerai à... heures (sur... kHz) (ou... |
| QRZ | Par qui suis-je appelé ? | Vous être appelé par... (sur kHz) (ou MHz). |
| QSA | Quelle est la force de mes signaux (ou des signaux de...) ? | La force de vos signaux (ou des signaux de...) est : 1 : à peine perceptible ; 2 : faible ; 3 : assez bien ; 4 : bonne ; 5 : très bien. |
| QSB | La force de mes signaux varie-t-elle ? | La force de vos signaux varie. |
| QSD | Ma manipulation est-elle défectueuse ? | Votre manipulation est défectueuse. |
| QSK | Pouvez-vous m'entendre entre vos signaux ? Dans l'affirmative, puis-je vous interrompre dans votre transmission ? | Je peux vous entendre entre mes signaux. Vous pouvez interrompre ma transmission. |
| QSL | Pouvez-vous me donner accusé de réception ? | Je vous donne accusé de réception. |
| QSO | Pouvez-vous communiquer avec... directement (ou par relais) ? | Je puis communiquer avec... directement (ou par l'intermédiaire de...). |
| QSP | Voulez-vous retransmettre à... gratuitement ? | Je peux retransmettre à... gratuitement. |
| QSU | Dois-je transmettre ou répondre sur la fréquence actuelle ? | Transmettez ou répondez sur la fréquence actuelle (ou sur... kHz) (ou sur... MHz) (en émission de la classe...). |
| QSV | Dois-je transmettre une série de V sur cette fréquence (ou sur... kHz) (ou... MHz) ? | Transmettez une série de V sur cette fréquence (ou sur... kHz) (ou... MHz). |
| QSY | Dois-je passer à la transmission sur une autre fréquence ? | Passez à la transmission sur une autre fréquence (ou sur... kHz) (ou sur... MHz). |
| QTH | Quelle est votre position en latitude et en longitude (ou d'après toute autre indication) ? | Ma position est... latitude... longitude (ou d'après toute autre indication). |
| QTR | Quelle est l'heure exacte ? | L'heure exacte est... |



Trafic d'urgence

Fréquences

Procédure IARU

Messages type IARU

Fréquences FNRASEC

Fréquences HF

| BANDES | CW | CW DÉGAGEMENT | BLU | BLU DÉGAGEMENT | NUMERIQUE |
|--------|---------------|------------------|------------|-------------------|-----------|
| 80 M | A1- 3,532 | A2- 3,582 | A3- 3,632 | A4-3,682 | 3,582 |
| 40 M | B1- 7,032 | B2- 7,042 | B3- 7,082- | B4- 7,092 | 7,042 |
| 30 M | C1- 10,132 | C2- 10,142 | C3- 10,132 | C4- 10,142 | 10,142 |
| 20 M | D1- 14,032 | D2- 14,082 | D3- 14,132 | D4- 14,182 | 14,065 |
| 17 M | E1- 18,132 | E2- 18,142 | E3- 18,132 | E4- 18,142 | |
| 15 M | F1- 21,032 | F2- 21,082 | F3- 21,232 | F4- 21,282 | |
| 13 M | G1- 24,932 | G2- 24,942 | G3- 24,932 | G4- 24,942 | |
| 10 M | H1- 28,032 | H2- 28,082 | H3- 28,532 | H4- 28,582 | |

Fréquences VHF/UHF

| BANDE | CW | CW DÉGAGEMENT | F.M./SSB | F.M./SSB DÉGAGEMENT | NUMERIQUE |
|-------|----------------|------------------|------------|------------------------|-----------|
| 2 M | R1- 144,032 | R2-144,082 | R3-145,475 | R4-145,450 | 144,875 |
| 70 CM | S1- 432,032 | S2-432,082 | S3-432,400 | S4-432,425 | |

Fréquences Transpondeur ADRASEC

| CANAL | FRG VHF | FRG UHF |
|-------|---------|---------|
| T1 | 145,45 | 432,425 |
| T2 | 145,475 | 432,4 |



FRG Réseau d'urgence IARU Région 1

| | | |
|-----------|-----------|---------------------------------------|
| | 3760 kHz | Region 1 Emergency Centre of Activity |
| All modes | 7110 kHz | Region 1 Emergency Centre of Activity |
| All modes | 14300 kHz | Global Emergency centre of activity |
| | 18160 kHz | Global Emergency Centre of Activity |
| | 21360 kHz | Global Emergency Centre of Activity |
| | 29510 | Guard channel |
| | 29520 | |



Emergency Communications Scheduled Nets

| Country | Organisation | Day/Date | Time | Frequency | Notes |
|---------------------|---------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Austria (AT) | ARENA | 1st Wednesday of month | 1745UTC | 3.643MHz ± QRM | http://www.oe3.oevsv.at/opencms/notfunk/notfunkrunde/ |
| Germany (DL) | DARC | 1st Friday of month | 1630UTC | 3.760MHz ± QRM | http://www.darc.de/referate/notfunk/notfunkrunde.html |
| | Notfunk Deutschland | 2 nd Tuesday of Month | 2000-2100 Local Time | Echolink Conference *NOTFUNK* | http://www.notfunk-deutschland.de/pageID_4911951.html |
| Ireland (IE) | AREN | 7 th and 21 st of Month | 1930 Local Time | 3.660MHz ± QRM | http://aren.ie/news |
| Netherlands (NL) | DARES | 1 st Sunday of Month | 1100 Local Time | 3.760MHz | http://www.dares.nl/index.php?navid=38 |
| United Kingdom (GB) | RAYNET News Net | Every Sunday | 0830 Local Time | 3.663MHz ± QRM | http://www.raynet-uk.net/news/ |
| | RAYNET HF Team | 1 st , 7 th , 14 th , 21 st & 28 th of Month | 1400 Local Time (Weekends) 2000 Local Time (Weekdays) | 3.663MHz , 5.2585MHz or 7.110MHz ± QRM | http://www.raynet-hf.net/tiki-download_file.php?fileId=29 |

Mini Procédure Transmission d'urgence IARU

1. Questions de base : Réunissez toute information comme suit:

- | | |
|--------------------|------------------------------------------|
| ➤ QUAND : | date, heure (UTC), fréquence |
| ➤ OU : | Lieu de l'urgence |
| ➤ QUOI : | que s'est-il passé, que doit-on faire |
| ➤ COMMENT : | comment peut-on aider QUI qui peut aider |

2. Préambule (ligne d'entête) :

La station qui transmet un message via le réseau radioamateur compose le préambule.
Ce préambule contient les informations dans l'ordre suivant:

| | | | |
|--------------------------------|-------------------------------------------------------------------------|---|---------------------|
| Numéro (a) | Numérotation continue de toutes les dépêches | | |
| Urgence (b) | E = emergency | = | situation d'urgence |
| | P = priority | = | pressant |
| | R = routine | = | normal |
| Station d'origine (c) | Station qui la première a introduit le message dans le réseau | | |
| Nombre de mots (d) | Nombre de mots du message | | |
| Lieu d'origine (e) | QTH de la station qui la première a introduit le message dans le réseau | | |
| Heure de classement (f) | Heure de la première transmission (UTC) | | |
| Date de classement (g) | Date de la première transmission | | |

Exemple de préambule: (a)**nr 32** (b)**p** (c)**hb4aa** (d)**23** (e)**Zürich** (f)**2120** (g)**März 16**

3. Exemple de liaison phonie

- | | |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ XY1AA ici XY1ZZ, j'ai un message pour vous, over | |
| ➤ ici XY1AA, je suis prêt, over | |
| ➤ Voici le message : | i. Numéro quatre ii. x-ray yankee un zulu zulu iii. deux deux trois zéro iv. adresse hôpital universitaire Genève v. texte vi. avons besoin de deux ambulances supplémentaires au Palais des Nations Porte 11, fin du message, over |
| ➤ répéter le mot après deux, over | |
| ➤ deux ambulances, over | |
| ➤ numéro quatre compris, XY1AA out | |
| ➤ Ok, XY1AA out | |

1. Exemple de liaison CW

- | |
|---------------------------------------------------|
| ➤ XY1AA de XY1ZZ qtc k |
| ➤ de XY1AA qrv k |
| ➤ -.-.- Nr 32 p XY1AA 5 Zürich 2120 März 16 -.-.- |
| ○ Sanitätspolizei Bern -.-.- |
| ○ Bitte senden sie uns Informationen -.-.- |
| ○ SRK Sektion Zürich -.-.- |
| ➤ wa bitte k |
| ➤ bitte senden k |
| ➤ de XY1AA qsl 32 sk |
| ➤ de XY1ZZ ok sk |



Début de message -.-.-

Signe de séparation (stop) -.-.-

Fin de

message -.-.-

5. Abréviations spéciales pour le trafic de secours en CW/RTTY

| | | |
|------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------|
| QOD | Puis-je vous parler ... en ? | Je peux communiquer avec vous en ... |
| | 0 = néerlandais | |
| | 1 = anglais | |
| | 2 = français | |
| | 3 = allemand | |
| | 4 = grec | |
| | 5 = italien | |
| | 6 = japonais | |
| | 7 = norvégien | |
| | 8 = russe | |
| | 9 = espagnol | |
| QTV | Dois-je prendre la veille à votre place sur la fréquence ... kHz de ... à ... ? | Prenez la veille à ma place sur la fréquence ... kHz de ... à ... |
| QTX | Voulez-vous rester en stand by pour d'autres messages de ... à ... ? | Je reste en stand by pour d'autres messages de ... à ... |
| QUA | Avez-vous des nouvelles de ... ? | J'ai des nouvelles de ... |
| QUF | Avez-vous reçu le signal de détresse émis par ... ? | J'ai reçu le signal de détresse émis par ... |
| QUM | Puis-je reprendre le travail normal ? | Vous pouvez reprendre le travail normal |
| QRR | Etes-vous prêt pour l'emploi des appareils automatiques ? | Je suis prêt pour l'emploi des appareils automatiques |

6. Alphabet phonétique

| | |
|----------|----------|
| A | Alpha |
| B | Bravo |
| C | Charlie |
| D | Delta |
| E | Echo |
| F | Foxtrot |
| G | Golf |
| H | Hotel |
| I | Inda |
| J | Juliet |
| K | Kilo |
| L | Lima |
| M | Mike |
| N | November |
| O | Oscar |
| P | Papa |
| Q | Quebec |
| R | Romeo |
| S | Sierra |
| T | Tango |
| U | Uniform |
| V | Victor |
| W | Whiskey |
| X | X-Ray |
| Y | Yankee |
| Z | Zoulou |



| | | | | | |
|-------------------------------|-----------------------------------------|-------------------------|--------------------------|-----------------|-------------|
| MESSAGE | | | | | |
| | | | | | |
| NUMBER | PRECEDENCE <small>(TICK ONE)</small> | STATION OF ORIGIN | WORD COUNT (CHECK) | PLACE OF ORIGIN | FILING TIME |
| | Routine Priority Emergency | | | | |
| FILING DATE | | | | | |
| To: (BLOCK LETTERS): | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| For radio operator use only : | | | | | |
| RECEIVES FROM | DATE | TIME | SENT TO | | DATE |
| | | | | | TIME |

| | | | | | | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|-----------------|-------------|-------------|
| MESSAGE | | | | | | |
| | | | | | | |
| NUMBER | PRECEDENCE <small>(TICK ONE)</small> | STATION OF ORIGIN | WORD COUNT (CHECK) | PLACE OF ORIGIN | FILING TIME | FILING DATE |
| | <input type="checkbox"/> Routine <input type="checkbox"/> Priority <input type="checkbox"/> Emergency | | | | | |
| To: (BLOCK LETTERS): | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| For radio operator use only : | | | | | | |
| RECEIVES FROM | DATE | TIME | SENT TO | | DATE | TIME |
| | | | | | | |

| | | | | | | |
|-------------------------------|-----------------------------------------------------------------------------|-------------------------|--------------------------|-----------------|-------------|-------------|
| MESSAGE | | | | | | |
| NUMBER | PRECEDENCE <small>(TICK ONE)</small> Routine Priority Emergency | STATION OF ORIGIN | WORD COUNT (CHECK) | PLACE OF ORIGIN | FILING TIME | FILING DATE |
| To: (BLOCK LETTERS): | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| For radio operator use only : | | | | | | |
| RECEIVES FROM | DATE | TIME | SENT TO | | DATE | TIME |

| | | | | | | |
|-------------------------------|-----------------------------------------------------------------------------|-------------------------|--------------------------|-----------------|-------------|-------------|
| MESSAGE | | | | | | |
| | | | | | | |
| NUMBER | PRECEDENCE <small>(TICK ONE)</small> Routine Priority Emergency | STATION OF ORIGIN | WORD COUNT (CHECK) | PLACE OF ORIGIN | FILING TIME | FILING DATE |
| To: (BLOCK LETTERS): | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| For radio operator use only : | | | | | | |
| RECEIVES FROM | DATE | TIME | SENT TO | | DATE | TIME |

GlobalSET Message Log

Callsign Used:

QTH:

Page Number:

1

[illegible]

Based on K7BFL 1/29/2007

GlobalSET Message Log

Callsign Used:

0

QTH:

0

Page Number:

2

[illegible]

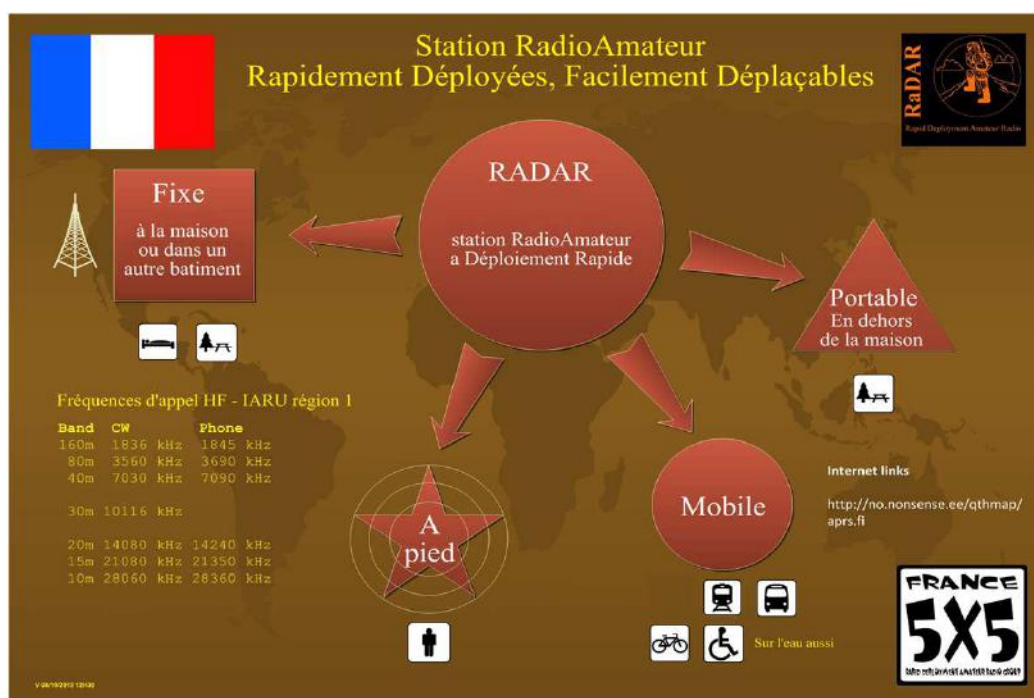
Based on K7BFL 1/29/2007



Activation Portable

Description activité

Log pour activation RADAR



Déjà RADAR et donc RADAR-France n'est pas une association, ni un club, cela ne dépend d'aucune structure en place c'est plus un concept, un état d'esprit ;)

RADAR = **RA**pid **D**eployment **A**mateurs **R**adio

Donc pour simplifier la chose, une activation **RADAR** ou **RADAR 5X5** touche toute activation ou le déploiement rapide d'installation radioamateur est utilisé.

Le concept "**5X5**" signifie simplement que ce déploiement devra se faire en **5 minutes** et le tout avec **5 watts** ... Joli programme non ?

Ce déploiement devra se faire sur des sites autre que sa propre maison ou résidence secondaire, le tout en autonomie d'énergie.

L'objectif est donc d'installer une station de radio amateur rapidement, (5 minutes maxi) sur des sites distants, tout en utilisant uniquement une batterie. Vous pouvez activer de partout, même dans des endroits facile d'accès (bord de route, parking, étang, sommet ...)

Le groupe radar France n'étant pas une association, ni un club. Il n'y a aucune cotisation à payer.

Le but est de regrouper les radioamateurs trafiquants en portable et QRP.

Si vous voulez en savoir plus prenez contact soit :

Via E-Mail radar-france@gmail.com

Via Twitter @radarfrance

D'autres liens vers des opérateurs RADAR à travers le monde:

[Elmar PD3EM http://www.pd3em.com/](http://www.pd3em.com/)

[Eddie ZS6BNE http://www.nwinternet.za.org/zs6bne/myblog/index.php](http://www.nwinternet.za.org/zs6bne/myblog/index.php)

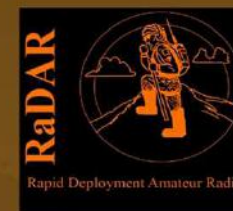
[RaDAR in South Africa http://www.nwinternet.za.org/zs6bne/RaDAR/](http://www.nwinternet.za.org/zs6bne/RaDAR/)

[NØEQ Rapid Deploy Station http://digitalcartography.com/n0eq/rapiddeploy.htm](http://digitalcartography.com/n0eq/rapiddeploy.htm)

[Rob VA3QV Survivorham http://survivorham.wordpress.com/](http://survivorham.wordpress.com/)



Station RadioAmateur Rapidement Déployées, Facilement Déplaçables



Fixe

à la maison
ou dans un
autre bâtiment



Fréquences d'appel HF - IARU région 1

| Band | CW | Phone |
|------|-----------|-----------|
| 160m | 1836 kHz | 1845 kHz |
| 80m | 3560 kHz | 3690 kHz |
| 40m | 7030 kHz | 7090 kHz |
| 30m | 10116 kHz | |
| 20m | 14080 kHz | 14240 kHz |
| 15m | 21080 kHz | 21350 kHz |
| 10m | 28060 kHz | 28360 kHz |

RADAR

station RadioAmateur
à Déploiement Rapide

Portable
En dehors
de la maison



Internet links

<http://no.nonsense.ee/qthmap/aprs.fi>

Mobile



Sur l'eau aussi



A
pied



| Carnet de trafic activation RADAR | | | |
|-----------------------------------|-----------|----------|---------|
| Date : | Locator : | Antenne: | TX & PW |

TX & PW

[illegible]

| Carnet de trafic activation RADAR | | | |
|-----------------------------------|-----------|----------|---------|
| Date : | Locator : | Antenne: | TX & PW |

Date :

Locator :**Antenne:****TX & PW**[illegible]

| Carnet de trafic activation RADAR | | | | | | | | | | | | |
|-----------------------------------|---------------|-----|-----------|-----------|------|----------|------|-----|---------|-----|-------------|-----------------|
| Date : | | | Locator : | | | Antenne: | | | TX & PW | | | |
| N° | DATE D-M-Y | UTC | FRG | INDICATIF | MODE | REPORT | | Nom | QTH | LOC | QSL INFO | OBSERVATIONS... |
| | | | | | | Envoyé | Reçu | | | | | |
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Carnet de trafic Radioamateur



Carnet de trafic de :

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Carnet de trafic de :

[illegible]

Carnet de trafic de :

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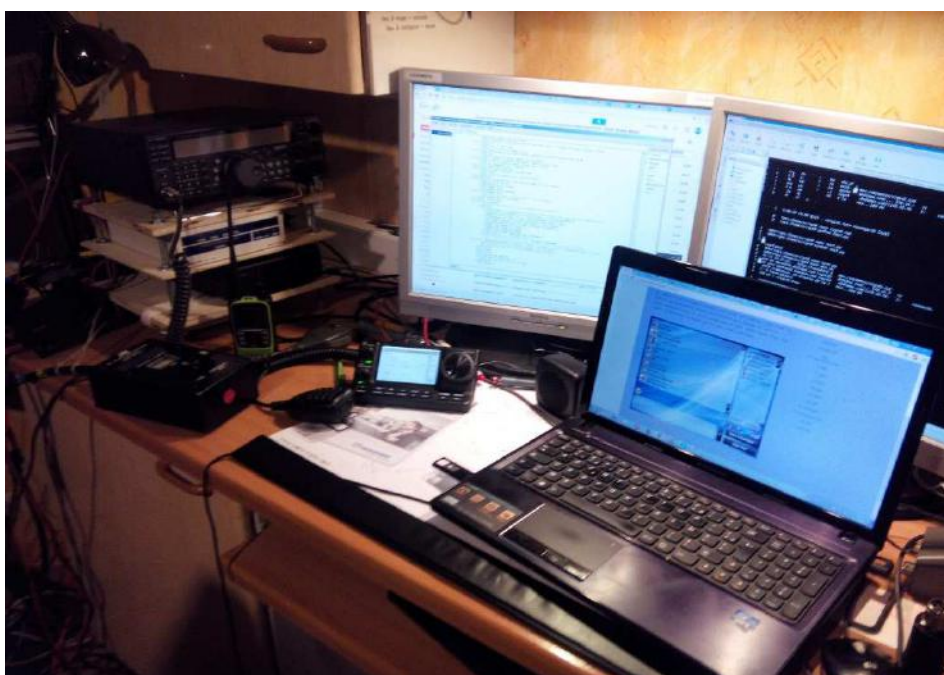
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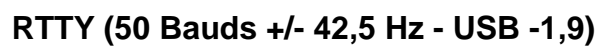
Ecouleurs ou SWL



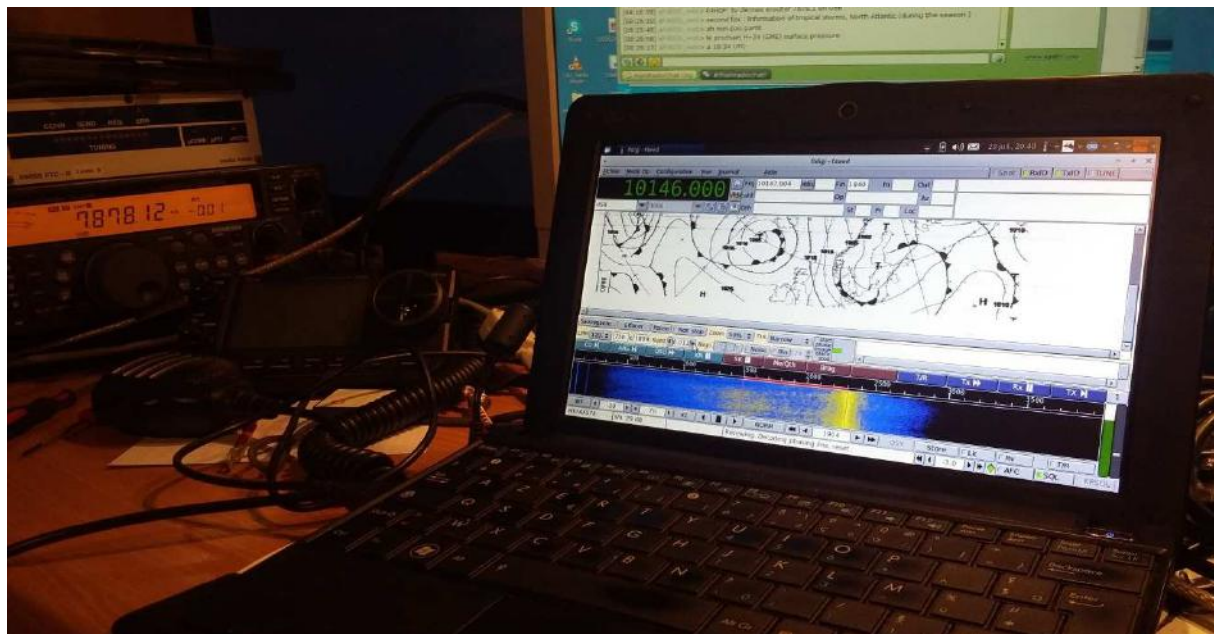
ZCZC AE80
 281200 UTC APR 04
 BAY OF BISCAY
 BULLETIN (METAREA 2)
 METEO-FRANCE
 WEDNESDAY 28 APRIL 2004 AT 09 UTC.
 WIND IN BEAUFORT SCALE
 1 : WARNING : NONE
 2 : GENERAL
 SYNOPSIS, WEDNESDAY 28 AT 00 UTC
 LOW 1006 OVER NORTH OF FRANCE
 SLOW-MOVING AND DEEPENING, EXPECTED 1004 BY 28/12UTC,
 THEN MOVING TO SOUTH OF NORTH SEA LATER.
 LOW 1005 OVER PORTUGAL DEEPENING,
 EXPECTED 1002 JUST EAST OF PORTUGAL BY 29/00UTC, THEN FILLING ON PLACE.
 HIGH 1032 55N21W SLOWLY MOVING SOUTHWEST, EXPECTED 1034 50N28W BY 29/12UTC.
 3 : FORECASTS TO THURSDAY 29 AT 12 UTC
 IROISE, YEU: NORTH OR NORTHWEST 3 TO 5, LOCALLY 6 IN WEST,
 BECOMING VARIABLE 2 TO 4 IN EAST SOON.
 MODERATE, BECOMING ROUGH IN WEST. RAIN AND SHOWERS.
 ROCHEBONNE, CANTABRICO : IN WEST, NORTHERLY 3 TO 4,
 OCCASIONALLY 5 IN WEST ROCHEBONNE,
 BACKING NORTHWEST SOON, AND INCREASING 5 TO OCCASIONALLY 7 LATER;
 IN EAST? WEST OR NORTHWEST 2 TO 4 BACKING SOUTHWEST LATER,
 OCCASIONALLY 5 TO 6 IN SOUTH.
 MODERATE LOCALLY ROUGH IN WEST.
 RAIN AND SHOWERS.
 FINISTERRE :
 NORTH OR NORTHEAST 5 TO 7, BACKING NORTHERLY 6 TO 7 LATER.
 ROUGH, BUT VERY ROUGH IN SOUTH. SHOWERS.
 PAZENN :
 NORTHERLY 5 TO 7, INCREASING LATER. ROUGH, BECOMING LOCALLY VERY ROUGH LATER.
 SHOWERS.
 4 : OUTLOOK FOR NEXT 24 HOURS
 THREAT OF NORTHERLY NEAR GALE OR GALE IN PAZEEN.
 NNNN

NAVTEX (USB -1,9)

| Fréquence | Utilisation / | Horaire |
|-----------|--------------------------|---------------|
| 518 KHz | international en anglais | 0h et 12h |
| 490 KHz | national en francais | 8h40 et 20h40 |



| | | | | |
|----------------------|-----------------------------------------------------------------------------------------------|------------|---------|---------|
| Emetteur | Planning Horaire : | Fréquences | | |
| OFFENBACH (hambourg) | http://keralas.free.fr/rttyhambourg.pdf | 4583 | 7646 | 10100,8 |
| | | 11309 | 14467,3 | |



FAX (USB -1,9) Zone Europe

source : <http://www.nws.noaa.gov/om/marine/rfax.pdf>

| ATHENS, GREECE | Indicatif | Fréquence | Classe | Puissance |
|----------------|-------------------------|--------------------------------------------|--------|-----------|
| | SVJ4 | 4481 KHz | J3C | 8 KW |
| | SVJ4 | 8105 KHz | J3C | 8 KW |
| Heure | Contenu | Zone concernée | | |
| 08:45 | SURFACE ANALYSIS | Europe du Sud, Mer méditerranée, mer noire | | |
| 08:57 | SURFACE PROG (H+24) | Europe du Sud, Mer méditerranée, mer noire | | |
| 09:09 | SURFACE PROG (H+48) | Europe du Sud, Mer méditerranée, mer noire | | |
| 09:21 | WAVE HEIGHT PROG (H+30) | Mer méditerranée | | |
| 09:33 | WAVE HEIGHT PROG (H+36) | Mer méditerranée | | |
| 09:45 | WAVE HEIGHT PROG (H+42) | Mer méditerranée | | |
| 09:57 | WAVE HEIGHT PROG (H+48) | Mer méditerranée | | |
| 10:09 | WAVE HEIGHT PROG (H+30) | Aegean | | |
| 10:21 | WAVE HEIGHT PROG (H+36) | Aegean | | |
| 10:33 | WAVE HEIGHT PROG (H+42) | Aegean | | |
| 10:44 | WAVE HEIGHT PROG (H+48) | Aegean | | |

| MURMANSK, RUSSIA | Indicatif | Fréquence | Classe | Puissance | Heure |
|------------------|-----------------------------------------|------------|--------|-----------|---------------------------|
| | RBW 14 | 5336 KHz | J3C | | 19:00-06:00 06:00-1:00 |
| | | 6445,5 KHz | J3C | | |
| | | 7908,8 KHz | J3C | | |
| | RBW 48 | 10130 KHz | J3C | | |
| | | | | | |
| Heure | Contenu | | | | |
| 7:00 | 36HR SURFACE PROG | | | | |
| 8:00 | SEA STATE ANALYSIS | | | | |
| 14:00 | SURFACE TEMP ANALYSIS/ICEBERG POSITIONS | | | | |
| 14:00 | ANAL OF ICEBERG POSITIONS FOR PAST+24HR | | | | |
| 14:30 | 24HR SEA STATE PROG | | | | |
| 18:50 | BROADCAST SCHEDULE | | | | |
| 20:00 | ICEBERG PROGNOSIS | | | | |

| HAMBURG/PINNEBERG, GERMANY | Indicatif | Fréquence | Classe | Puissance | Heure |
|----------------------------|------------------------------------------------------------------------------------------------------|-------------|--------|-----------|-------|
| | DDH3 | 3855 KHz | J3C | 10 KW | |
| | DDK3 | 7880 KHz | J3C | 20 KW | |
| | DDK6 | 13882,5 KHz | J3C | 20 KW | |
| | | | | | |
| Heure | Contenu | | | | |
| -----/15:40 | Ice conditions chart European Arctic Sea or special area | | | | |
| 0430/1600 | Surface weather chart | | | | |
| 0512/----- | h + 30 (GME) surface pressure | | | | |
| 0525/1800 | surface pressure analysis, arrows showing the movement of pressure systems, significant weather, ice | | | | |
| 0546/1821 | Information of tropical storms, North Atlantic (during the season) | | | | |
| -----/1834 | H+24 (GME) surface pressure | | | | |
| 0559/----- | H + 12, H + 24 (GME) 500 hPa H + T, surface P | | | | |
| 0612/----- | H + 12, H + 24 (GME) 850 hPa H + T, 700 hPa U | | | | |
| 0625/----- | H + 36, H + 48 (GME) 500 hPa H + T, surface P | | | | |
| 0638/----- | H + 36, H + 48 (GME) 850 hPa H + T, 700 hPa U | | | | |
| 0651/----- | H + 60, H + 72 (GME) 500 hPa H + T, surface P | | | | |
| 0704/----- | H + 60, H + 72 (GME) 850 hPa H + T, 700 hPa U | | | | |
| 0717/----- | Repetition chart 05 | | | | |
| 0730/1847 | H+48 (GME) surface pressure | | | | |
| 0743/----- | Repetition chart 0525 UTC | | | | |
| 0804/1900 | H+84 (GME) surface pressure | | | | |
| 0817/----- | H+108 (GME) surface pressure | | | | |
| 0830/1913 | H+24 (GSM) Sea and swell, wind direction, direction of swell | | | | |
| 0842/1926 | H+48 (GSM) Sea and swell, wind direction, direction of swell | | | | |
| 0854/1939 | H+72 (GSM) Sea and swell, wind direction, direction of swell | | | | |
| 0906/----- | H+96 (GSM) Sea and swell, wind direction, direction of swell | | | | |
| 0930/2100 | Ice conditions chart Northwest Atlantic | | | | |
| 0945/----- | Sea surface temperature North Sea | | | | |
| 1007/2115 | Ice conditions chart West Baltic Sea | | | | |
| 1029/2136 | H+48 wave prediction North Atlantic | | | | |
| 1050/2200 | Surface weather chart | | | | |
| 1111/----- | Transmission schedule | | | | |
| 1132/----- | Test chart | | | | |
| 1145/----- | Repetition chart 1050 UTC | | | | |
| 1205/----- | Repetition chart 0512 UTC | | | | |
| 1220/----- | Repetition chart 0730 UTC | | | | |

| NORTHWOOD, UNITED KINGDOM | Indicatif | Fréquence | Classe | Puissance | Heure |
|---------------------------|-----------------------------------|---------------|--------|-----------|-------------|
| | GYA | 2618,5 KHz | J3C | 10 KW | 20:00-06:00 |
| | | 4610 KHz | J3C | 10 Kw | ALL |
| | | 8040 KHz | J3C | 10 Kw | ALL |
| | | 11086,5 ? KHz | J3C | 10 Kw | 06:00-20:00 |
| Heure | Contenu | | | | |
| 0000/1200 | SURFACE ANALYSIS | | | | |
| 0012/1212 | 24 HOUR SURFACE PROGNOSIS | | | | |
| 0024/1224 | 24 HOUR 850 hPa WBPT / PPTN | | | | |
| 0036/1236 | 24 HOUR OAT and TD | | | | |
| 0048/1248 | SHIP ICE ACCRETION | | | | |
| 0100/1300 | SCHEDULE | | | | |
| 0112/----- | SYMBOLGY | | | | |
| 0124/----- | QSL REPORT | | | | |
| 0136/1336 | OCEAN FRONTS | | | | |
| 0148/1348 | 300 hPa GPH | | | | |
| 0236/----- | SURFACE ANALYSIS | | | | |
| -----/1400 | B153SEA SURFACE TEMP | | | | |
| 0300/1436 | SURFACE ANALYSIS | | | | |
| 0400/1500 | SURFACE ANALYSIS | | | | |
| -----/1512 | 24 HOUR ANPS PROGNOSIS | | | | |
| -----/1524 | 120 HOUR ANPS PROGNOSIS | | | | |
| -----/1600 | SURFACE ANALYSIS | | | | |
| 0412/1612 | 24 HOUR OAT and TD | | | | |
| 0424/1624 | 24 HOUR 850 hPa WBPT / PPTN | | | | |
| 0436/1636 | 24 HOUR SURFACE PROGNOSIS | | | | |
| 0448/1648 | SCEXA TAFS | | | | |
| 0500/1700 | SURFACE ANALYSIS | | | | |
| 0512/1712 | 24 HOUR SURFACE PROGNOSIS | | | | |
| 0524/1724 | 48 HOUR SURFACE PROGNOSIS | | | | |
| 0536/1736 | SCEXA TAFS | | | | |
| 0600/----- | NWE XAS TAF COLLECTIVE | | | | |
| 0612/1800 | SURFACE ANALYSIS | | | | |
| -----/1812 | 24 HOUR SURFACE PROGNOSIS | | | | |
| -----/1824 | NWEXAS TAF COLLECTIVE | | | | |
| 0648/1848 | SCEXA TAFS | | | | |
| -----/1900 | THICKNESS/GPH ANALYSIS | | | | |
| 0712/1912 | 24 HOUR SIGNIFICANT WINDS | | | | |
| 0724/1924 | 48 HOUR SURFACE PROGNOSIS | | | | |
| 0736/1936 | 72 HOUR SURFACE PROGNOSIS | | | | |
| 0748/1948 | 96 HOUR SURFACE PROGNOSIS | | | | |
| 0800/2012 | 120 HOUR SURFACE PROGNOSIS | | | | |
| 0812/----- | THICKNESS/GPH ANALYSIS | | | | |
| 0824/2024 | 48 HOUR SIGNIFICANT WINDS | | | | |
| 0836/2036 | 72 HOUR SIGNIFICANT WINDS | | | | |
| 0848/2048 | 96 HOUR SIGNIFICANT WINDS | | | | |
| 0900/2100 | SURFACE ANALYSIS | | | | |
| 0912/2112 | THICKNESS/GPH ANALYSIS | | | | |
| 0924/2124 | 24 HOUR THICKNESS / GPH PROGNOSIS | | | | |
| 0936/2136 | 24 HOUR 850 hPa SPOT WINDS | | | | |
| 0948/2148 | 24 HOUR 700 hPa SPOT WINDS | | | | |
| 1000/2200 | SURFACE ANALYSIS | | | | |
| 1012/2212 | 24 HOUR SURFACE PROGNOSIS | | | | |
| 1024/2224 | 24 HOUR REDUCED VISIBILITY | | | | |
| 1036/2236 | 24 HOUR 850 hPa WBPT / PPTN | | | | |
| 1048/2248 | 24 HOUR OAT and TD | | | | |
| 1100/----- | SURFACE ANALYSIS | | | | |
| 1112/----- | 24 HOUR SURFACE PROGNOSIS | | | | |

| | |
|------------|-----------------------------------|
| 1124/2336 | 24 HOUR SEA and SWELL |
| 1136/----- | 24 HOUR THICKNESS / GPH PROGNOSIS |

Pour l'ensemble du monde, par région :

<http://www.nws.noaa.gov/om/marine/rfax.pdf>



Les balises françaises



Les balises

10 mètres

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|--------------|----------------|---------------------|-----------|---------------|-------------|-----------|------------------------|-------------|-----------|--------------|
| F5ZUU | 28,2415 | Malataverne | 26 | JN24il | 330 | 5 | verticale | omni | ok | F5IOG |
| F5ZWE | 28,243 | Foix | 9 | JN02tw | 1205 | 15 | dipôle vertical | omni | ok | F5TMJ |
| F5ZVM | 28,259 | Valenciennes | 59 | JO10ph | 60 | 10 | verticale | omni | ok | F5HMS |

6 mètres

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|---------------|---------------|-----------------|-----------|---------------|------------|-----------|--------------------|-------------|-----------|--------------|
| FR5SIX | 50,0225 | Réunion | | LG58 | 1700 | 1,5 | Dipole horiz. | N/S | * | FR5GX |
| FY7THF | 50,039 | Guyane | | GJ35 | | 10 | verticale | omni | ok | FY1FL |
| FK8SIX | 50,08 | Nouméa | | RG37 | 100 | 10 | verticale | omni | ok | FK8HA |
| FX4SIX | 50,315 | Neuville | 86 | JN06CQ | 153 | 5 | yagi 5 elts | Est | ok | F5GTW |
| F8BHU | 50,32 | Nevers | 58 | JN17NA | 334 | 5 | yagi 2 elts | S | ok | F8BHU |

2 mètres

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|---------------|-----------------|----------------------|-----------|---------------|-------------|------------|---------------|-------------|------------|--------------|
| F5ZRB | 144,405 | Quistinic | 56 | IN87KW | 165 | 2 | 9 elts | S.O | qrp | F6ETI |
| F5ZSF | 144,409 | Lannion | 22 | IN88GS | 145 | 5 | 9 elts | E | ok | F6DBI |
| F5ZXT | 144,413 | | 83 | JN33 | | | Trèfle | omni | projet | F5PVX |
| F5ZAM | 144,425 | Blaringhem | 59 | JO10EQ | 99 | 10 | Trèfle | omni | * | F6BPB |
| F1ZXK | 144,438 | Préaux | 77 | JN18KF | 166 | 10 | Trèfle | omni | ok | F4BUC |
| F5ZVJ | 144,45 | Remoulins | 30 | JN24GB | 300 | 5 | Trèfle | omni | ok | F5IHN |
| F5ZXV | 144,455 | Nancy | 54 | JN38CO | 238 | 2,5 | halo | omni | ok | F5OOM |
| F1ZAT | 144,458 | Meymac | 19 | JN15 | 913 | 10 | Trèfle | omni | * | F1HSU |
| F1ZAW | 144,468 | Beaune | 21 | JN26IX | 561 | 10 | Trèfle | omni | ok | F1RXC |
| F5ZAL | 144,476 | Pic Neuilos | 66 | JN12LL | 1100 | 8 | Trèfle | omni | ok | F6HTJ |
| TK5ZMK | 144,485 | Coti Chiavari | 2A | JN41JS | 635 | 15 | Trèfle | omni | ok | TK5EP |
| wspr/b | 144,4895 | balises num | | | | | | | | |

70 centimètres

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|--------------|----------------|------------------|-----------|---------------|-------------|------------|---------------|-------------|---------------|--------------|
| F5ZZI | 432,404 | Hyères | 83 | JN33BC | 230 | 5 | Trèfle | omni | test | F5PVX |
| F5ZPH | 432,408 | Quistinic | 56 | IN87KW | 165 | 5 | 4 elts | S.E | ok | F6ETI |
| F5ZTX | 432,413 | Lacapelle | 81 | JN14EB | 625 | 10 | 2 x3 el | NO+E | * | F5AXP |
| F1ZQT | 432,418 | Moragne | 17 | IN95OX | 80 | 1 | Trèfle | omni | ok | F1MMR |
| F5ZAS | 432,42 | Cerdagne | 66 | JN12BL | 2400 | 10 | Trèfle | omni | ok | F6HTJ |
| F5ZAA | 432,436 | Nérignac | 86 | JN06IH | 205 | 20 | Trèfle | omni | ok | F5EAN |
| F1ZTV | 432,438 | Cloutons | 38 | JN24WX | 2120 | 2 | boucle | omni | ok | F1LCE |
| F5ZBU | 432,444 | Preaux | 77 | JN18KF | 166 | 5 | 4x 6 elts | omni | * | F2AI |
| F5ZZY | 432,454 | Nancy | 54 | JN38CO | 238 | 3,5 | halo | omni | essais | F5OOM |
| F1ZBY | 432,487 | Roc Blanc | 34 | JN13TV | 942 | 5 | trèfle | omni | ok | F4DVR |

1,2 GHz

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|---------------|-----------------|----------------------|-----------|---------------|-------------|------------|----------------------------|---------------|-----------|--------------|
| F5ZBS | 1296,739 | Strasbourg | 67 | JN38PJ | 1070 | 4 | Trèfle | omni | ok | F6BUF |
| F1ZBI | 1296,812 | Petit Ballon | 68 | JN38NX | 1278 | 0,8 | quad | S | ok | F5AHO |
| F1ZTF | 1296,816 | Segonzac | 16 | IN95VO | 125 | 10 | Trèfle | omni | ok | F1MMR |
| F5ZRS | 1296,825 | Chamrousse | 38 | JN25UD | 1700 | 0,1 | dièdre | N.NO | ok | F5LGJ |
| F5ZBM | 1296,847 | Favieres | 77 | JN18JS | 160 | 10 | Alf. Slot | omni | ok | F6ACA |
| F1ZAK | 1296,862 | Istres | 13 | JN23MM | 114 | 20 | Fentes | omni | ok | F1AAM |
| F1ZMT | 1296,872 | Le Mans | 72 | JN07CX | 85 | 10 | Panneau/tre fle | S/omni | ok | F1BJD |
| F6CGJ | 1296,875 | Landerneau | 29 | IN78UK | 121 | 2 | Quad | Est | ok | F6CGJ |
| F1ZBC | 1296,886 | Adriers | 86 | JN06JG | 230 | 15 | A. Slot | omni | ok | F1AFJ |
| F5ZAN | 1296,903 | Pic Neulos | 66 | JN12LL | 1100 | 10 | Fentes | omni | ok | F6HTJ |
| TK5ZMV | 1296,917 | Coti Chiavari | 20 | JN41JS | 635 | 10 | yagi | N.O | ok | TK5EP |
| F5ZBT | 1296,933 | Saint Aignan | 33 | IN94UW | 90 | 10 | 2 x trèfle | omni | ok | F6DBP |
| F5ZWX | 1296,983 | Grand Cap | 83 | JN23XE | 780 | 0,5 | trèfle | omni | test | F5PVX |

2,3GHz

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|--------------|-----------------|-------------------|-----------|---------------|-------------|------------|-------------------|----------------|-----------|--------------|
| F1ZQU | 2320,816 | Segonzac | 16 | IN95VO | 125 | 3 | Fentes | omni | ok | F1MMR |
| F5ZAC | 2320,835 | Cerdagne | 66 | JN12BL | 2400 | 5 | panneau | N.E | ok | F6HTJ |
| F1ZYY | 2320,84 | Mugron | 40 | IN93PS | 100 | 1,5 | panneau | NNE | ok | F1MOZ |
| F1ZUM | 2320,855 | Orléans | 45 | JN07WV | 170 | 2 | | omni | ok | F1JGP |
| F5ZVY | 2320,864 | | 64 | IN93HG | 926 | | | | essais | F2CT |
| F1ZRI | 2320,872 | Le Mans | 72 | IN98WE | | 8 | 14él. loop | 190 deg | ok | F1BJD |
| F5ZMF | 2320,886 | Adriers | 86 | JN06JG | 230 | 5 | Fentes | omni | ok | F5BJL |
| F6DWG | 2320,9 | Beauvais | 60 | JN19FK | 140 | 2 | Fentes | omni | ok | F6DWG |
| F6DPH | 2320,902 | Chartrette | 77 | JN18IM | | 5 | panneau | sud | ok | F6DPH |

5,7 GHz

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|--------------|-----------------|-------------------|-----------|---------------|-------------|------------|---------------|-------------|-----------|--------------|
| F1ZAO | 5760,06 | Plougonver | 22 | IN88HL | 326 | 1 | Fentes | omni | ok | F1LHC |
| F5ZBE | 5760,82 | Favières | 77 | JN18JS | 160 | 12 | Fentes | omni | ok | F5HRY |
| F1ZBD | 5760,845 | Orléans | 45 | JN07WV | 170 | 10 | Fentes | omni | ok | F1JGP |
| F5ZPR | 5760,855 | Talence | 33 | IN94QT | 83 | 8 | Fentes | E/SE | ok | F6CBC |
| F5ZUO | 5760,866 | Pic Neulos | 66 | JN12LL | 1100 | 1 | Fentes | omni | ok | F6HTJ |
| F5ZWY | 5760,845 | Grand Cap | 83 | JN23XE | 780 | 1 | Fentes | omni | ok | F5PVX |
| F6DWG | 5760,904 | Beauvais | 60 | JN09FK | 140 | 8 | Fentes | omni | ok | F6DWG |
| F5ZYK | 5760,949 | Angers | 49 | IN97RL | 60 | 3 | Fentes | omni | ok | F6APE |
| F1ZWJ | 5760,951 | Lacapelle | 81 | JN14EB | 625 | 0,2 | Fentes | omni | ok | F1BOH |

10 GHZ

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|----------------|------------------|----------------------|-----------|---------------|-------------|---------------|------------------|-------------------|-----------|--------------|
| F5ZBB | 10368,072 | Favières | 77 | JN18JS | 160 | 3 | Fentes | omni | ok | F5HRY |
| F1ZAP | 10368,108 | Plougonver | 22 | IN88HL | 326 | 0,5 | Fentes | omni | ok | F1LHC |
| F5ZPS | 10368,282 | Talence | 33 | IN94QT | 83 | 10-oct | 2 cornets | N/ESE | ok | F6CBC |
| F5ELY | 10368,32 | | 50 | IN99IO | 120 | 1,2 | Cornet | SSE | ok | F5ELY |
| F5ZTR | 10368,842 | Beauvais | 60 | JN19FK | 140 | 10 | Fentes | omni | ok | F6DWG |
| F1BDB | 10368,85 | Doublier | 6 | JN33KQ | 1200 | 0,1 | Fentes | omni | ok | F1BDB |
| F5ZAE | 10368,86 | Pic Neulos | 66 | JN12LL | 1100 | 1 | Fentes | omni | ok | F2SF |
| F1ZAI | 10368,865 | Orléans | 45 | JN07WV | 170 | 1 | Fentes | omni | ok | F1JGP |
| F5EJZ/B | 10368,892 | Percy | 50 | IN98JW | 300 | 0.21 | Cornet | E/SE | ok | F5EJZ |
| F5ZBA | 10368,9 | Gueret | 23 | JN06WD | 700 | 2 | Fentes | omni | * | F1NYN |
| F5ZWM | 10369,919 | Ste Fortunade | 19 | JN05VE | 578 | 2 | Fentes | omni | ok | F6ETI |
| F1URI | 10368,928 | via Mt Blanc | 73 | JN35FU | 1660 | 0,7 | Parabole | >jn35kt | ok | F1URI |
| F5ZTT | 10368,95 | Lacapelle | 81 | JN14EB | 625 | 1 | Fentes | omni | ok | F6CXO |
| F1ZXJ | 10368,957 | Forbach | 57 | JN39KD | 300 | 0,2 | Fentes | omni | ok | F1ULQ |
| F5ZWZ | 10368,983 | Grand Cap | 83 | JN23XE | 780 | 1 | Fentes | omni | ok | F5PVX |
| F5ZAB | 10368,994 | Chalon | 71 | JN26KT | | 0,2 | Fentes | omni | ok | F6FAT |

24,1 GHz

| Indicatif | Fréq. (MHz) | QTH | Dépt | Locator | Alt. (m) | Pout (W) | Antenne | QTF | Etat | Resp. |
|--------------|------------------|-------------------|-----------|---------------|------------|-------------|-----------------|----------------|-----------|--------------|
| F5ZTS | 24048,17 | Beauvais | 60 | JN19FK | 140 | 0,5 | Parabole | 50 deg. | ok | F6DWG |
| F6DKW | 24048,18 | Vélizy | 78 | JN18CS | 230 | 0,5 | Fentes | omni | ok | F6DKW |
| F1ZAQ | 24048,252 | Plougonver | 22 | IN88HL | 326 | 0,08 | Fentes | omni | ok | F1LHC |
| F1ZPE | 24048,55 | Orléans | 45 | JN07WV | 170 | 0,35 | Corn/fentes | N/omni | * | F1JGP |

Glossaire Ecouteur

| | |
|-------|---------------------------------------------|
| AOR-E | Atlantic Ocean Region-East |
| AOR-W | Atlantic Ocean Region-West |
| ARCC | Aeronautical Rescue Coordination Centre |
| CES | Coast Earth Station |
| DSC | Digital Selective Calling |
| EPIRB | Emergency Position-Indicating Radio Beacon |
| GSM | Global System for Mobile Communications |
| HF | High Frequency |
| IOR | Indian Ocean Region |
| LUT | Cospas-Sarsat Local User Terminal |
| MCC | Cospas-Sarsat Mission Control Centre |
| MET | Meteorological Information |
| MF | Medium Frequency |
| MMSI | Maritime Mobile Service Identities |
| MRCC | Maritime Rescue Coordination Centre |
| MRSC | Maritime Rescue Sub-Centre |
| MSI | Maritime Safety Information |
| MSS | Mobile Satellite Service |
| NAV | Navigational Warnings |
| NBDP | Narrow-band direct printing |
| NCS | Network Coordinating Station |
| NI | No Information |
| NM | Nautical Mile(s) |
| POR | Pacific Ocean Region |
| PS | Public Correspondence + Safety and Distress |
| SAR | Search and Rescue Alerts |
| RCC | Rescue Coordination Centre |
| RX | Receiver |
| SES | Ship Earth Station |
| SD | Safety and Distress |
| TBD | To be decided |
| TX | Transmitter |
| UTC | Coordinated Universal Time |
| VHF | Very High Frequency |

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute des stations de radiodiffusion de :

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Carnet d'écoute de stations utilitaires de :

| N° | DATE | HEURE UTC | KHz | INDICATIF (Pays) | MODE principal | RST SINPO | Matériel divers... | Météo | Temp | OBSERVATIONS... |
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|
|----|------|--------------|-----|---------------------|-------------------|--------------|-----------------------|-------|------|-----------------|

[illegible]

Amateur radio

CB, PMR, LPD, DRM & dPMR

Source : <http://pmr446.free.fr> et divers documents internet

Canux CB

| Canal | normaux | Canal | normaux |
|-------|---------|-------|---------|
| 1 | 26.965 | 21 | 27.215 |
| 2 | 26.975 | 22 | 27.225 |
| 3 | 26.985 | 23 | 27.255 |
| 4 | 27.005 | 24 | 27.235 |
| 5 | 27.015 | 25 | 27.245 |
| 6 | 27.025 | 26 | 27.265 |
| 7 | 27.035 | 27 | 27.275 |
| 8 | 27.055 | 28 | 27.285 |
| 9 | 27.065 | 29 | 27.295 |
| 10 | 27.075 | 30 | 27.305 |
| 11 | 27.085 | 31 | 27.315 |
| 12 | 27.105 | 32 | 27.325 |
| 13 | 27.115 | 33 | 27.335 |
| 14 | 27.125 | 34 | 27.345 |
| 15 | 27.135 | 35 | 27.355 |
| 16 | 27.155 | 36 | 27.365 |
| 17 | 27.165 | 37 | 27.375 |
| 18 | 27.175 | 38 | 27.385 |
| 19 | 27.185 | 39 | 27.395 |
| 20 | 27.205 | 40 | 27.405 |

la norme actuellement en vigueur :

- > 40 canaux en FM, AM et BLU.
- > puissance maximum de 4 watts.

Indicatif des pays

| Pr | Pays | Az |
|-----|---------------------|-----|
| 1 | Italie | 131 |
| 4 | Argentine | 225 |
| 10 | Mexique | 293 |
| 13 | Allemagne | 75 |
| 16 | Belgique | 68 |
| 19 | Pays Bas | 47 |
| 22 | Guyane fr | 243 |
| 25 | Japon | 34 |
| 28 | Honduras | 278 |
| 31 | Portugal | 216 |
| 34 | Canaries isl. | 218 |
| 37 | Dominicaine rep | 268 |
| 40 | Liechtenstein | 110 |
| 43 | Australie | 74 |
| 49 | Baleares isl. | 171 |
| 52 | Feroe isl. | 343 |
| 55 | Gibraltar | 200 |
| 58 | Malesie est | 69 |
| 61 | Equateur | 261 |
| 64 | Senegale | 204 |
| 67 | Paraguay | 230 |
| 70 | Samoa Usa isl | 344 |
| 73 | Suriname | 346 |
| 76 | Maroc | 202 |
| 79 | Philippines isl. | 57 |
| 82 | Guantanamo bay | 273 |
| 85 | Zimbabwe | 150 |
| 88 | Cuba | 277 |
| 91 | Indonesie | 71 |
| 94 | Emirats arabes unis | 102 |
| 97 | Israel | 112 |
| 100 | Corée | 40 |
| 103 | Haiti | 270 |
| 106 | Ceuta&melilla | 200 |
| 109 | Hongrie | 94 |

| Pr | Pays | Az |
|-----|-----------------|-----|
| 2 | U.S.A | 302 |
| 5 | Vénézuela | 256 |
| 8 | Pérou | 253 |
| 11 | Puerto Rico | 265 |
| 14 | France | 160 |
| 17 | Hawai isl. | 339 |
| 20 | Norvège | 17 |
| 23 | Jamaïque | 273 |
| 26 | Angleterre | 335 |
| 29 | Irlande | 304 |
| 32 | Chili | 235 |
| 35 | Autriche | 99 |
| 38 | Groenlande | 333 |
| 41 | New Zelande | 41 |
| 44 | Afrique du sud | 163 |
| 47 | Danmark | 35 |
| 50 | Russie europeen | 59 |
| 53 | El Salvador | 278 |
| 56 | Finlande | 32 |
| 59 | Dodecanes isl. | 114 |
| 62 | Guam isl. | 37 |
| 65 | Sierra Leone | 198 |
| 68 | Irlande nord | 319 |
| 71 | Midway isl. | 358 |
| 74 | Namibie | 164 |
| 77 | Ghana | 183 |
| 80 | Bolivie | 240 |
| 83 | Tanzanie | 141 |
| 86 | Nepal | 75 |
| 89 | Nigere | 169 |
| 92 | Lybie | 144 |
| 95 | Mongolie | 49 |
| 98 | Singapour | 79 |
| 101 | Nouvelle Guinée | 48 |
| 104 | Corse isl. | 139 |

| Pr | Pays | Az |
|-----|-----------------|-----|
| 3 | Brésil | 220 |
| 6 | Colombie | 259 |
| 9 | Canada | 295 |
| 12 | Uruguay | 225 |
| 15 | Suisse | 117 |
| 18 | Grece | 117 |
| 21 | Suède | 24 |
| 24 | Panama | 269 |
| 27 | Islande | 332 |
| 30 | Espagne | 201 |
| 33 | Alaska | 347 |
| 36 | San Marin | 121 |
| 39 | Angola | 162 |
| 42 | Libeira | 194 |
| 45 | Yougoslavie | 107 |
| 48 | Arabie Saoudite | 115 |
| 51 | Andore | 175 |
| 54 | Luxembourg | 51 |
| 57 | Inde | 86 |
| 60 | HongKong | 58 |
| 63 | St Helene isl. | 186 |
| 66 | Mauritanie | 202 |
| 69 | Costa Rica | 272 |
| 72 | Guatemala | 281 |
| 75 | Açores isl. | 252 |
| 78 | Zambie | 151 |
| 81 | San Andres | 272 |
| 84 | Cote d'Ivoire | 190 |
| 90 | Crete isl. | 120 |
| 93 | Malte isl. | 139 |
| 96 | Tonga isl. | 351 |
| 99 | Fidji isl. | 1 |
| 102 | Koweït | 102 |
| 105 | Botswana | 158 |
| 108 | Ecosse | 265 |

| Pr | Pays | Az |
|-----|-----------------------|-----|
| 112 | Liban | 107 |
| 115 | Qatar | 103 |
| 118 | Gambie | 206 |
| 121 | Bahamas isl. | 276 |
| 124 | Amsterdam/st Paul isl | 124 |
| 127 | Vierge isl.(us) | 263 |
| 130 | Norfolk isl. | 29 |
| 133 | Mariannes isl. | 34 |
| 136 | Martinique isl. | 257 |
| 139 | Sud Yemen | |
| 142 | Lesotho | 156 |
| 145 | Galapagos isl. | 270 |
| 148 | Ascension isl. | 197 |
| 151 | Irak | 101 |
| 154 | Iran | 96 |
| 157 | Montserrat isl | 260 |
| 160 | Soudan | 136 |
| 163 | Pays de galles | 311 |
| 166 | St. Maaten, Saba | |
| 169 | Guernsey | 265 |
| 172 | new Calédonie | 28 |
| 175 | tcahd | 152 |
| 178 | Bulgarie | 103 |
| 181 | Syrie | 101 |
| 184 | Burundi | 145 |
| 187 | Kenya | 135 |
| 190 | Seychelles isl | 121 |
| 193 | Cocos keeling isl | 93 |
| 196 | Guadeloupe isl | 259 |
| 199 | Guinée équatoriale | 167 |
| 202 | Bhutan | 71 |
| 205 | Cap vert isl | 219 |
| 208 | Glorieuse isl | 132 |
| 211 | Jan mayen | 361 |
| 214 | Congo | 161 |
| 217 | Christmas isl | 85 |
| 220 | St Vincent isl | 257 |
| 223 | Samoa ouest isl | 348 |

| Pr | Pays | Az |
|-----|---------------------|-----|
| 107 | Monaco | 141 |
| 110 | Chypre | 109 |
| 113 | Malesie ouest | 78 |
| 116 | Turquie | 101 |
| 119 | Madère isl. | 224 |
| 122 | barbade isl. | 255 |
| 125 | Caimans | 204 |
| 128 | Vierge isl.(gb) | 263 |
| 131 | Guyana | 249 |
| 134 | rep de Belau | 50 |
| 137 | Man isl. | 330 |
| 140 | Antartique | 180 |
| 143 | st Lucie | 257 |
| 146 | Algerie | 176 |
| 149 | Laccadive isl. | 96 |
| 152 | Maldives isl. | 100 |
| 155 | Taiwan | 52 |
| 158 | Trinidad&tobago isl | 255 |
| 161 | Pologne | 69 |
| 164 | Togo | 179 |
| 167 | Jersey isl | 257 |
| 170 | Burkina faso | 184 |
| 173 | Réunion isl | 130 |
| 176 | rep centre afrique | 154 |
| 182 | rep de Guinée | 197 |
| 185 | comores isl | 135 |
| 188 | Madagascar | 137 |
| 191 | Swaziland | 152 |
| 194 | Dominique isl | 258 |
| 197 | Vanuatu isl | 22 |
| 200 | Sud shetland | 208 |
| 203 | Chine | 59 |
| 206 | Ethiopie | 128 |
| 209 | Juan de nova isl | 141 |
| 212 | Aland isl | 38 |
| 215 | Gabon | 166 |
| 218 | Belize | 281 |
| 221 | Orkney sud | 6 |

| Pr | Pays | Az |
|-----|-------------------------|-----|
| 111 | Jordanie | 111 |
| 114 | Pakistan | 85 |
| 117 | Egypte | 128 |
| 120 | Antigua&barbuda isl. | 260 |
| 123 | Bermudes isl. | 275 |
| 126 | Nicaragua | 275 |
| 129 | Macquarie isl. | 118 |
| 132 | Marshall isl. | 11 |
| 135 | Salomon isl. | 31 |
| 138 | Vatican | 129 |
| 141 | stPierre & Miquelon isl | 288 |
| 147 | Tunisie | 156 |
| 150 | Bahrien | 102 |
| 153 | Thaïlande | 72 |
| 156 | Cameroun | 164 |
| 159 | Somalie | 124 |
| 162 | rep Zaïre | 153 |
| 165 | Sardaigne isl | 146 |
| 168 | Maurice isl | 120 |
| 171 | Svalbard isl | 6 |
| 174 | Ouganda | 140 |
| 177 | Sri Lanka | 92 |
| 180 | Oman | 103 |
| 183 | Benin | 178 |
| 186 | Djibouti | 122 |
| 189 | Mayotte isl | 134 |
| 192 | Cocos isl | 272 |
| 195 | Grenades isl | 256 |
| 198 | Malouines isl | 215 |
| 201 | Polynésie française | 313 |
| 204 | Mozambique | 146 |
| 207 | St Martin isl | 262 |
| 210 | Wallis & Futuna isl | 355 |
| 213 | Market reef | 37 |
| 216 | Mali | 189 |
| 219 | Anguille isl | 262 |
| 222 | Sandwich sud isl | 195 |
| 225 | Brunei isl | 68 |

| Pr | Pays | Az |
|-----|----------------------|-----|
| 226 | Malawi | 145 |
| 229 | Heard isl | 138 |
| 232 | Aruba isl | 263 |
| 235 | Geneva itu | 129 |
| 238 | Cambodge | 71 |
| 241 | Spratly isl | 65 |
| 244 | Palagua isl | 173 |
| 247 | Navassa isl | 271 |
| 250 | Cook sud isl | 324 |
| 253 | Andaman&Nicobar is | 80 |
| 256 | Edouard&Marion isl | 155 |
| 259 | Tromelin isl | 128 |
| 262 | Johnston isl | 350 |
| 265 | Kiribati centre | 354 |
| 268 | Lord howe isl | 49 |
| 271 | Rep. de Nauru | 18 |
| 274 | Pictairn isl | 284 |
| 277 | Sable isl | 286 |
| 280 | Aves isl | 260 |
| 283 | st Kitts & Nevis isl | 261 |
| 286 | Juan fernandez isl | 240 |
| 289 | Georgie du sud isl | 202 |
| 292 | ABU-AIL | |
| 295 | Sud Soudan | |
| 298 | Crozet isl | 146 |
| 301 | Arménie | 90 |
| 304 | Estonie | 48 |
| 307 | Kaliningrad | 60 |
| 310 | Lettonie | 53 |
| 313 | Tadjikistan | 74 |
| 316 | Ouzbékistan | 76 |
| 319 | United New York | 289 |
| 322 | Walvis bay | |
| 325 | Rotuma isl | 6 |
| 328 | Croatie | 106 |
| 331 | Bosnie Herzégovine | 110 |
| 334 | Core du Nord | 39 |
| 337 | Australes isl | 311 |

| Pr | Pays | Az |
|-----|-------------------------|-----|
| 224 | Kiribati ouest isl | 8 |
| 227 | Rwanda | 144 |
| 230 | Micronesie | 34 |
| 233 | Roumanie | 94 |
| 236 | Bangladesh | 74 |
| 239 | Laos | 68 |
| 242 | Vietnam | 69 |
| 245 | Niger | 167 |
| 248 | Turks & caicos isl | 272 |
| 251 | Albanie | 115 |
| 254 | Mount athos | 110 |
| 257 | Rodriguez isl | 123 |
| 260 | Baker & Howland isl. | 357 |
| 263 | kermode isl | 356 |
| 266 | Kiribati est | 332 |
| 269 | mellish reef | 40 |
| 272 | Niue isl | 343 |
| 275 | Tokelau isl | 348 |
| 278 | Wake ils | 14 |
| 281 | Ogasawara isl | 33 |
| 284 | st Paul isl | 290 |
| 287 | Malpelo ils | 266 |
| 290 | Trinidad& st martin isl | 210 |
| 293 | Guinee Bissau | 204 |
| 296 | Clipperton isl | 292 |
| 299 | Descheo isl | 266 |
| 302 | Russie asiatique | 43 |
| 305 | Franz joseph land isl | 13 |
| 308 | Kazakhstan | 65 |
| 311 | Lithuanie | 59 |
| 314 | Tirkménistan | 81 |
| 317 | Russie blanche | 66 |
| 320 | Banaba isl | 14 |
| 323 | rep du Yemen | 114 |
| 326 | Malyj vysotskij isl | 44 |
| 329 | rep Tchèque | 84 |
| 332 | Macedoine | 111 |
| 335 | Scarborough reef | 59 |

| Pr | Pays | Az |
|-----|-------------------------|-----|
| 228 | Chagos isl | 108 |
| 231 | St Pierre / St Paul | 217 |
| 234 | Aghanistan | 83 |
| 237 | Birmanie | 72 |
| 240 | Macao | 58 |
| 243 | Agalega/Brandon isl | 123 |
| 246 | Sao tome & pricipe | 172 |
| 249 | Cook nord isl | 333 |
| 252 | Revilla gigedo isl | 299 |
| 255 | kerguelen isl | 137 |
| 258 | Tristan da Cunha isl | 189 |
| 261 | Chatham isl | 342 |
| 264 | Kingman reff isl | 340 |
| 267 | Kure isl | 359 |
| 270 | Minami torishima isl | 24 |
| 273 | Jarvis & Palmyra isl | 335 |
| 276 | Tuvalu isl | 5 |
| 279 | Willis isl | 48 |
| 282 | Auckland&Cambel isl | 108 |
| 285 | Fernado de Nohora is | 218 |
| 288 | St Felix& ambrosio isl | 246 |
| 291 | Dhekelia & Akrotiri isl | 109 |
| 294 | Pierre premier isl | 211 |
| 297 | Bouvet isl | 182 |
| 300 | Sahara occidental | 211 |
| 303 | Azerbaidjan | 87 |
| 306 | Géorgie | 88 |
| 309 | Kirghiz | 69 |
| 312 | Moldavie | 87 |
| 315 | Ukraine | 77 |
| 318 | SMO Malta | 129 |
| 321 | Conway reef | 315 |
| 327 | Slovenie | 106 |
| 330 | rep Slovaque | 87 |
| 333 | Erythrée | 124 |
| 336 | Pradas isl | 57 |
| 339 | Tuamotu isl | 22 |
| 342 | Chesterfield isl | 38 |

| Pr | Pays | Az |
|-----|-------------------|-----|
| 340 | Palestine | 113 |
| 343 | Ducie isl | 280 |
| 346 | St Brathelemy isl | 262 |
| 349 | Saba isl | 261 |

| Pr | Pays | Az |
|-----|----------------|-----|
| 338 | Marquises isl | 307 |
| 341 | Timor oriental | 341 |
| 344 | Montenegro | 102 |
| 347 | Curacao isl | 262 |

| Pr | Pays | Az |
|-----|------------------|-----|
| 345 | Svain isl | 347 |
| 348 | st Maarten isl | 262 |
| 351 | st Eustatius isl | 261 |
| 350 | Bonaire isl | 261 |

TABLEAU DES CANAUX AUTORISES

| Canal | Fréquence exacte en Mhz |
|-------|-------------------------|
| 1 | 446.00625 |
| 2 | 446.01875 |
| 3 | 446.03125 |
| 4 | 446.04375 |
| 5 | 446.05625 |
| 6 | 446.06875 |
| 7 | 446.08125 |
| 8 | 446.09375 |

La puissance maximale autorisée sur ces canaux est de **500 MilliWatts**.

TABLEAU DES CANAUX AUTORISES

| Canal | Fréquence | Canal | Fréquence | Canal | Fréquence |
|-------|-----------|-------|-----------|-------|-----------|
| 1 | 433.075 | 24 | 433.650 | 47 | 434.225 |
| 2 | 433.100 | 25 | 433.675 | 48 | 434.250 |
| 3 | 433.125 | 26 | 433.700 | 49 | 434.275 |
| 4 | 433.150 | 27 | 433.725 | 50 | 434.300 |
| 5 | 433.175 | 28 | 433.750 | 51 | 434.325 |
| 6 | 433.200 | 29 | 433.775 | 52 | 434.350 |
| 7 | 433.225 | 30 | 433.800 | 53 | 434.375 |
| 8 | 433.250 | 31 | 433.825 | 54 | 434.400 |
| 9 | 433.275 | 32 | 433.850 | 55 | 434.425 |
| 10 | 433.300 | 33 | 433.875 | 56 | 434.450 |
| 11 | 433.325 | 34 | 433.900 | 57 | 434.475 |
| 12 | 433.350 | 35 | 433.925 | 58 | 434.500 |
| 13 | 433.375 | 36 | 433.950 | 59 | 434.525 |
| 14 | 433.400 | 37 | 433.975 | 60 | 434.550 |
| 15 | 433.425 | 38 | 434.000 | 61 | 434.575 |
| 16 | 433.450 | 39 | 434.025 | 62 | 434.600 |
| 17 | 433.475 | 40 | 434.050 | 63 | 434.625 |
| 18 | 433.500 | 41 | 434.075 | 64 | 434.650 |
| 19 | 433.525 | 42 | 434.100 | 65 | 434.675 |
| 20 | 433.550 | 43 | 434.125 | 66 | 434.700 |
| 21 | 433.575 | 44 | 434.150 | 67 | 434.725 |
| 22 | 433.600 | 45 | 434.175 | 68 | 434.750 |
| 23 | 433.625 | 46 | 434.200 | 69 | 434.775 |

La puissance maximale autorisée sur ces canaux est de **10 MilliWatts**.

TABLEAU DES CANAUX DMR AUTORISES

| Canal | Transmission | Fréquence en Mhz |
|--------------|---------------------|-------------------------|
| 1 | Analogique | 446.00625 |
| 2 | Analogique | 446.01875 |
| 3 | Analogique | 446.03125 |
| 4 | Analogique | 446.04375 |
| 5 | Analogique | 446.05625 |
| 6 | Analogique | 446.06875 |
| 7 | Analogique | 446.08125 |
| 8 | Analogique | 446.09375 |
| 1 | DMR Slot 1+2 | 446.10625 |
| 2 | DMR Slot 1+2 | 446.11875 |
| 3 | DMR Slot 1+2 | 446.13125 |
| 4 | DMR Slot 1+2 | 446.14375 |
| 5 | DMR Slot 1+2 | 446.15625 |
| 6 | DMR Slot 1+2 | 446.16875 |
| 7 | DMR Slot 1+2 | 446.18125 |
| 8 | DMR Slot 1+2 | 446.19375 |

TABLEAU DES CANAUX DMR AUTORISES

| Canal | Fréquence en Mhz |
|-------|------------------|
| 1 | 446.103125 |
| 2 | 446.109375 |
| 3 | 446.115625 |
| 4 | 446.121875 |
| 5 | 446.128125 |
| 6 | 446.134375 |
| 7 | 446.140625 |
| 8 | 446.146875 |
| 9 | 446.153125 |
| 10 | 446.159375 |
| 11 | 446.165625 |
| 12 | 446.171875 |
| 13 | 446.178125 |
| 14 | 446.184375 |
| 15 | 446.190625 |
| 16 | 446.196875 |

La puissance maximale autorisée sur ces canaux est de **500 MilliWatts**.

Divers documentations



Attention, ce qui suit n'est que mon point de vue

(je parle de réseau Radioamateur, pas forcément d'un réseau « associatif »...)

[Petite réflexion toute personnelle sur le comment, pourquoi et quand me servir de la HF pour les transmissions lors de crises \(ou ce que nos collègues anglophones appel EMCOM pour emergency communication\)](#)

Définition d'une crise

« Évènement connu ou non connu, pouvant entraîner de façon directe ou indirecte des perturbations plus ou moins longues, dans le fonctionnement des administrations nationales, régionales ou locales, nécessitant l'utilisation de personnels pour des durées non connues. »

Étendue géographique

L'activation de la procédure doit se faire si la crise a une étendue internationale, nationale, zonale, multi départementale ou départemental.

Durée de la crise

La durée d'une crise est probablement le paramètre le plus délicat à déterminer au début de celle-ci. Il convient dès lors de ne pas minimiser ce facteur sans non plus le surestimer exagérément.

Il convient donc de définir des plages permettant d'adapter l'organisation selon les durées. Ces plages sont définies comme suit :

- ▶ Moins de 24 heures
- ▶ De 1 à 3 jours
- ▶ De 3 jours à 7 jours
- ▶ Au delà de 7 jours

Objet et domaine d'application

L'article fournit les éléments nécessaires à la mise en place d'un réseau HF phonie et/ou CW et/ou Data de veille à l'écoute d'un département ou d'une région définie comme mise en alerte lié à un évènement majeur.

Le réseau de veille HF ainsi mis en place n'a pas pour but de gérer un réseau d'urgence ni les transmissions d'urgence sur le plan local, mais d'organiser un réseau de veille. Ce réseau de veille permet de garder un contact régulier avec les stations radioamateurs impactées avant, pendant et jusqu'à la fin de l'évènement facilitant ainsi la remontée d'information localisé sur l'évènement et l'éventuelle activation d'un réseau d'urgence.

La présente procédure a pour but de fixer :

- ▶ Le cadre d'activation du réseau de veille HF
- ▶ Les missions du réseau de veille HF
- ▶ Les moyens (FRG, mode) du réseau de veille HF
- ▶ L'activation du réseau de veille HF

Activation d'un réseau de veille HF

L'activation d'un réseau de veille HF doit se faire avant et/ou pendant la période d'évènement majeur, et ne se terminer qu'à la fin de l'évènement ou suite à l'activation d'un réseau d'urgence.

L'activation du réseau est réalisée dans la mesure du possible avant l'évènement majeur dans le cas d'origine prévisible (inondation, tempête, pandémie, émission de bulletin d'alerte, ...).

Comme dans les évènements cités ci-dessus ou dans le cadre d'évènements non prévisibles comme incendie, risque technologique, accident routier, ferroviaire, aérien, pollution de l'air, des sols, évolutions de cours d'eau, un réseau de veille peu être activé spontanément.

Les missions du réseau HF

Les missions du réseau HF sont :

1. Assurer une veille durant la durée de l'évènement majeur des régions impactées, en cas de besoin.
2. Permettre la remontée d'informations venant des régions impactées vers un échelon supérieur, vers d'autres OM d'autres régions.
3. Permettre la descente d'informations depuis une autre région vers la région impactée.

Les moyens du réseau HF

L'IARU a fixé les fréquences suivantes sur la région 1

| | |
|-----------|-------------------------------------------------------------|
| 3760 kHz | Region 1 Emergency Centre of Activity |
| 7110 kHz | Region 1 Emergency Centre of Activity, all modes |
| 14300 kHz | Global Emergency Centre of Activity, all modes |
| 21360 kHz | Global Emergency Centre of Activity |
| Data | Sur les fréquences habituelles aux transmissions de données |

Réflexion sur les gammes de fréquences à utiliser

Concernant les communications continentales, nationales et internationales par réflexion sur les couches E, F, F1, F2 on peut résumer :

1. de nuit : bandes de 3 MHz à 8 MHz,
2. de jour : bandes de 5 MHz à 16 MHz.

3. Pour des liaisons en mode NVIS les bandes 3MHz et 7Mhz sont à privilégier ou vérifier l'ionosonde http://www.swpc.noaa.gov/ftpd/ftpdir/lists/iono_day/Chilton_iono.txt

Rythme de la veille

Avant la période de crise, le rythme d'une veille toutes les heures semble un bon départ (H+15min). Cet horaire permet de prendre connaissance de la mise à jour des informations (bulletins météo, etc. ...). Cette périodicité est à adapter en fonction de divers critères, et est mise à jour à l'occasion du tour des stations en veille.

Conclusion

1. En conclusion, tout ce que j'ai écrit n'engage que moi.

2. Le trafic en mode « dégradé », durant une période de crise est un trafic différent de ce que l'on pratique tous les jours, mieux vaut s'y préparer, s'entraîner (l'IARU organise des exercices pour ça)-
Un radioamateur préparé sera plus à l'aise et moins brouillon.

3. Monter un réseau de veille sur une crise n'est pas seulement l'affaire d'une structure, mais la structure elle est sensée être prête et entraînée

4. Un réseau de veille HF de portée locale, zonale, nationale ou internationale peut être activé avant ou pendant une période de crise pouvant impacter un ou plusieurs départements, région, pays.

5. La décision d'activation peut être d'origine officielle mais peut aussi être une initiative spontanée.

6. La durée d'activation peut varier en fonction de la crise à gérer.

Et en attendant une vraie crise on fait quoi ?

Rien ne nous empêche dès aujourd'hui, dans un but d'entraînement, de mettre en veille un réseau HF à chaque vigilance météo sérieuse (même si météo France ne conseille pas de déclencher une alerte sur la simple réception d'un bulletin de vigilance météo).

Certains départements le font déjà, et c'est une bonne chose ; on a fini de se poser la question de savoir si tel ou tel département est touché ou pas, fini de chercher à savoir si tel département impacté par une inondation a besoin d'aide ou pas.

Devenons indépendant d'un réseau de télécommunication commercial et d'un réseau d'alimentation électrique...

Voilà j'ai fini de vous embêter ...

▸ je ne comprend pas que les non membres de la FNRASEC ne puisse pas se joindre à un réseau ADRASEC lors d'inondations, de tempêtes,...

▸ je ne comprend pas non plus que l'on ne puisse pas avoir envie d'avoir des nouvelles de tel ou tel copain OM qui se trouve dans une région qui connaît une crise ...

Bref la participation au réseau HF est l'affaire de toutes et tous ...

Frédéric F4EED



Source des données

<http://www.iaru.org>

<http://www.iaru-r1.org/>

<http://www.r-e-f.org/>

<http://radioscoutisme.org/>

<http://www.fnrasec.org>

TRCR

<http://www.dstar-france.fr/>

<https://radarfrance.wordpress.com/>

<http://www.nws.noaa.gov>

<http://hflink.com>

@f1smv

<http://pmr446.free.fr>

F5NLG

Divers sites internet

Divers forums internet

Memento pratique du radioamateur de l'amateur radio et du SWL V0.8.9.0



Voilà ainsi se termine ce Mémento pratique du radioamateur, de l'amateur radio et du SWL.
Comme d'habitude il doit rester des erreurs, des oublies alors surtout n'hésitez pas a revenir vers moi.

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