

# COORDINATION AGREEMENT IN THE 138 - 144 MHz BAND BETWEEN THE UNITED KINGDOM AND FRANCE

---

## 1 - GENERAL

The principle of coordination is based on an equitable distribution of sub-bands for preferential use for one or other of the two countries (2 MHz for each) and making available 50% of the available spectrum in the other so-called "equal rights" sub-bands (2 MHz in total) for each country:

138	-	138.5	=	Equal rights
138.5	-	139.5	=	FR
139.5	-	140.5	=	UK
140.5	-	141.5	=	Equal rights
141.5	-	142.5	=	FR
142.5	-	143.5	=	UK
143.5	-	144	=	Equal rights

## 2 - TECHNICAL BASIS

### 2.1 - Channellizing the 138 - 144 MHz band

The VHF 138 - 144 MHz band is channellized for double sideband amplitude modulation with 12.5 kHz steps.

However, in the so-called "equal rights" sub-bands, 2 adjacent channels must be reserved for the French allocations which all go in 25 kHz steps.

The channels are designated by the reference frequency of the emission at the middle of the channel.

### 2.2 - So-called "equal rights" bands

After agreement for splitting the 138 - 144 MHz band into preferential sub-bands and "equal rights" sub-bands, the Administrations will not be able claim availability of more than 50% of the available spectrum in the latter.

The channels specifically allocated as from this agreement will be taken into account in the quota of allocations available to the Administrations of the UNITED KINGDOM and FRANCE.

The value of the spectrum available in these bands is reduced by 200 kHz, representing the spectrum occupation of the channels reserved to the Administration of BELGIUM and for common military aeronautical use.

### 2.3 - Field of application

By mutual agreement, it has been decided that all the frequencies between 138 - 144 MHz would be available for:

- the UNITED KINGDOM north of a line EDINBURGH - GLASGOW and in NORTHERN IRELAND;
- FRANCE south of a line BORDEAUX - LYON.

These lines represent the radio horizon of an aircraft flying at an altitude of 60,000 feet at the limit of national territory.

### 2.4 - Temporary allocations

In exceptional cases, each Administration may request the coordination of one or more frequency(ies) situated in the sub-bands allocated to the other country, if this is for temporary use (less than 30 days).

### 2.5 - General allocation table

A general table showing the distribution of the channels is given as an annex to this agreement.

## 3 - RESERVED CHANNELS

### 3.1 - Channels reserved for the benefit of common military aeronautical use in the European zone of NATO for tactical use

138.500	141.000
139.500	141.500
140.500	142.500

These six channels have 25 kHz steps.

3.2 - Exclusive frequencies to be protected by the Administrations in the "equal rights" bands (with 25 kHz steps)

BAND	BENEFICIARY	FRANCE	UNITED KINGDOM	BELGIUM	COMMON
138.000 - 138.500		138.050 138.250 138.275	138.100 138.300	138.225 138.325 138.375	138.500
140.500 - 141.500		140.800 141.100 141.275			140.500 141.000 141.500
143.500 - 144.000		143.600 143.750 143.800 143.850 143.950	143.975	143.525	

3.3 - Channels reserved for the UNITED KINGDOM Administration for military aeronautics (with 25 kHz steps)

138.100	140.375	143.975
138.300	142.550	

3.4 - Channels allocated to the BELGIAN Administration which will be protected

3.4.1 - By the UNITED KINGDOM

139.775	143.175
---------	---------

4(sic).4.2 - By FRANCE

138.675	138.950
---------	---------

3.5 - Channels remaining in a UNITED KINGDOM exclusive band but allocated to the FRENCH Administration

142.725	6K00A3E	All FRANCE	20,000 Ft	20W	SNPC
142.850	6K00A3E	All FRANCE	20,000 Ft	20W	SNPC

### 3.5.1 -

These two allocations are made for the benefit of the forest fire-fighting units in FRANCE. Bearing in mind the very low level of occupation, the UNITED KINGDOM Administration agrees to keep them on these frequencies.

### 3.5.2 -

In compensation, two supplementary channels may be granted to the UNITED KINGDOM Administration in an "equal rights" band until these two French allocations in the UNITED KINGDOM band are removed.

### 3.6 -

Details of all these special allocations are the subject of appendix 1 to this agreement.

## 4 - COORDINATION PROCEDURE FOR THE RESERVATION OF CHANNELS IN THE "EQUAL RIGHTS" BANDS

### 4.1 -

As each Administration cannot reserve more than 50% of the spectrum in these bands, any supplementary channel allocation must be the subject of a reservation request to the other Administration.

### 4.2 -

If the Administration of a country (C) which is not a party to this agreement asks one of the two contracting Administrations (B) for coordination, two cases can be envisaged:

#### **4.2.1 - With request for protection by two Administrations (A + B).**

This allocation is to be proposed in an "equal rights" band and submitted for approval by the second Administration (A). The spectral occupation of this allocation is to be deducted from the general availability.

#### **4.2.2 - Not seeking protection from the second Administration (A).**

This allocation can be proposed in any sub-band.

## 5 - METHODS OF IMPLEMENTATION OF THE AGREEMENT

### 5.1 -

The division of the band, as shown in paragraph 1 of this agreement, must take effect at the latest on **31 December 1994**.

The channels, of which the details are shown in the attached annex, will be progressively released according to the theoretical timetable below:

Sub-bands	Timetable
138.000 - 138.500 MHz 138.500 - 139.500 MHz 139.500 - 140.500 MHz 140.500 - 141.000 MHz 141.000 - 143.000 MHz 143.000 - 144.000 MHz	from 01/01/90 to 31/12/94 * from 01/07/89 to 31/12/90 * released since 01/04/89 from 01/01/90 to 31/12/94 * from 01/07/89 to 31/12/90 released since 01/04/89

\* See also Appendix 2

### 5.2 -

As a new allocation plan for the French mobile aeronautical service has been in service since 01.04.89, the interference likely to occur will be treated on a case-by-case basis throughout the transition period (until 31.12.1994).

The Administrations of the UNITED KINGDOM and FRANCE undertake to give priority to the transfer of non-conforming allocations creating difficulties.

### 5.3 -

Until 31.12.1994, the FRENCH Administration will try to maintain, if possible, protection for the UNITED KINGDOM's allocation which have not yet been transferred.

The UNITED KINGDOM Administration will take all necessary measures to transfer quickly the remaining allocations which may cause interference to the French mobile aeronautical service.

6 -

This agreement, drawn up in the French and English languages, the French text being the authentic text in the case of dispute, will come into force on **1 January 1991**.

All previous special agreements between FRANCE and the UNITED KINGDOM relating to the 138 - 144 MHz band and especially those of 1968 are rescinded.

Done in Paris on 29 November 1990

For:

FRANCE

[2 signatures]

The UNITED KINGDOM

[1 signature]

The original text of this agreement in the English language will be deposited with the UNITED KINGDOM Radiocommunications Office in London and the text in the French language will be deposited with the Direction de la Réglementation Générale du Ministère des Postes, Télécommunications et de l'Espace in Paris.

ANNEX

\*\*\*\*\*

PAGE No. 00001

\*\* GENERAL DISTRIBUTION TABLE \*\*

CHANNELS	REFERENCE FREQUENCIES	ALLOCATED TO	AGREEMENT REFERENCE	ALLOCATION	APPLICATION
1 TO 3	138.00625 TO 138.03125	UK			01/04/89
4 AND 5	138.04375 AND 138.05625	F	APPENDIX 1 POINT 3.1	ALL SEAS 20000 Ft	01/04/89
6 AND 7	138.06875 AND 138.08125	UK			01/04/89
8 AND 9	138.09375 AND 138.10625	UK	APPENDIX 1 POINT 2	ALL UK 50000 Ft	01/04/89
10 TO 17	138.11875 TO 138.20625	UK			01/04/89
18 AND 19	138.21875 AND 138.23125	BELGIUM	APPENDIX 1 POINT 1.1	GLONS SEMMERZAKE 200NM/60000 Ft	01/04/89
20 AND 21	138.24375 AND 138.25625	F	APPENDIX 1 POINT 3.1	ALL FRANCE 20000 Ft	01/04/89
22 AND 23	138.26875 AND 138.28125	F	APPENDIX 1 POINT 3.1	ALL FRANCE 1000 Ft	01/04/89
24 AND 25	138.29375 AND 138.30625	UK	APPENDIX 1 POINT 2	ALL UK 50000 Ft	01/04/89
26 AND 27	138.31875 AND 138.33125	BELGIUM	APPENDIX 1 POINT 1.1	GLONS SEMMERZAKE 200NM/60000 Ft	01/04/89
28 AND 29	138.34375 AND 138.35625	F			01/01/95
30 AND 31	138.36875 AND 138.38125	BELGIUM	APPENDIX 1 POINT 1.1	GLONS SEMMERZAKE 200NM/60000 Ft	01/04/89
32 TO 39	138.39375 TO 138.48125	F	APPENDIX 2		01/01/95

## \*\* GENERAL DISTRIBUTION TABLE \*\*

CHANNELS	REFERENCE FREQUENCIES	ALLOCATED TO	AGREEMENT REFERENCE	ALLOCATION	APPLICATION
40 AND 41	138.49375 AND 138.50625	NATO			01/04/89
42 TO 53	138.51875 TO 138.65625	F	APPENDIX 2		01/01/91
54 AND 55	138.66875 AND 138.68125	BELGIUM	APPENDIX 1 POINT 1.3	FLORENNES BRUSTEM 25NM/4000Ft	01/04/89
56 TO 75	138.69375 TO 138.93125	F	APPENDIX 2		01/01/91
76 AND 77	138.94375 AND 138.95625	BELGIUM	APPENDIX 1 POINT 1.3	CASTEAU CHIEVRES GROUND/GROUND	01/04/89
78 TO 119	138.96875 TO 139.48125	F	APPENDIX 2		01/01/91
120 AND 121	139.49375 AND 139.50625	NATO			01/04/89
122 TO 141	139.51875 TO 139.75625	UK			01/04/89
142 AND 143	139.76875 AND 139.78125	BELGIUM	APPENDIX 1 POINT 1.2	CASTEAU CHIEVRES GROUND/GROUND	01/04/89
144 TO 199	139.79375 TO 140.48125	UK			01/04/89
200 AND 201	140.49375 AND 140.50625	NATO			01/01/90
202 TO 223	140.51875 TO 140.78125	F	APPENDIX 2		01/01/95
224 AND 225	140.79375 AND 140.80625	F	APPENDIX 1 POINT 3.2	ALL FRANCE 5000 Ft	01/04/89



## \*\* GENERAL DISTRIBUTION TABLE \*\*

CHANNELS	REFERENCE FREQUENCIES	ALLOCATED TO	AGREEMENT REFERENCE	ALLOCATION	APPLICATION
226 TO 235	140.81875 TO 140.93125	F	APPENDIX 2		01/01/95
236 TO 239	140.94375 TO 140.98125	UK	APPENDIX 2		01/01/95
240 AND 241	140.99375 AND 141.00625	NATO			01/04/89
242 TO 247	141.01875 TO 141.08125	UK			01/01/90
248 AND 249	141.09375 AND 141.10625	F	APPENDIX 1 POINT 3.2	ALL FRANCE 50000 Ft	01/04/89
250 TO 261	141.11875 TO 141.25625	UK			01/01/90
262 AND 263	141.26875 AND 141.28125	F	APPENDIX 1 POINT 3.2	ALL FRANCE 20000 Ft	01/04/89
264 TO 279	141.29375 TO 141.48125	UK			01/01/90
280 AND 281	141.49375 AND 141.50625	NATO			01/01/90
282 TO 359	141.51875 TO 142.48125	F			01/01/90
360 AND 361	142.49375 AND 142.50625	NATO			01/04/89
362 TO 377	142.51875 TO 142.70625	UK			01/01/90
378 AND 379	142.71875 AND 142.73125	F	APPENDIX 1 POINT 4	ALL FRANCE 20000 Ft	01/04/89

## \*\* GENERAL DISTRIBUTION TABLE \*\*

CHANNELS	REFERENCE FREQUENCIES	ALLOCATED TO	AGREEMENT REFERENCE	ALLOCATION	APPLICATION
380 TO 387	142.74375 TO 142.83125	UK			01/01/90
388 AND 389	142.84375 AND 142.85625	F	APPENDIX 1 POINT 4	ALL FRANCE 20000 Ft	01/04/89
390 TO 413	142.86875 TO 143.15625	UK			01/01/90
414 AND 415	143.16875 AND 143.18125	BELGIUM	APPENDIX 1 POINT 1.2	FLORENNES BRUSTEM 25NM/4000Ft	01/04/89
416 TO 441	143.19375 TO 143.50625	UK			01/04/89
442 AND 443	143.51875 AND 143.53125	BELGIUM	APPENDIX 1 POINT 1.1	GLONS SEMMERZAKE 200NM/60000 Ft	01/04/89
444 AND 445	143.54375 AND 143.55625	F			01/04/89
446 AND 447	143.56875 AND 143.58125	UK			01/04/89
448 AND 449	143.59375 AND 143.60625	F	APPENDIX 1 POINT 3.3	ALL FRANCE 50000 Ft	01/04/89
450 AND 451	143.61875 AND 143.63125	UK			01/04/89
452 TO 455	143.64375 TO 143.68125	F			01/04/89
456 TO 459	143.69375 TO 143.73125	UK			01/04/89
460 AND 461	143.74375 AND 143.75625	F	APPENDIX 1 POINT 3.3	ALL FRANCE 50000 Ft	01/04/89

## \*\* GENERAL DISTRIBUTION TABLE \*\*

CHANNELS	REFERENCE FREQUENCIES	ALLOCATED TO	AGREEMENT REFERENCE	ALLOCATION	APPLICATION
462 AND 463	143.76875 AND 143.78125	UK			01/04/89
464 AND 465	143.79375 AND 143.80625	F	APPENDIX 1 POINT 3.3	ALL FRANCE 50000 Ft	01/04/89
466 AND 467	143.81875 AND 143.83125	UK			01/04/89
468 AND 469	143.84375 AND 143.85625	F	APPENDIX 1 POINT 3.3	ALL FRANCE 50000 Ft	01/04/89
470 AND 471	143.86875 AND 143.88125	UK			01/04/89
472 AND 473	143.89375 AND 143.90625	F			01/04/89
474 AND 475	143.91875 AND 143.93125	UK			01/04/89
476 AND 477	143.94375 AND 143.95625	F	APPENDIX 1 POINT 3.3	ALL FRANCE 20000 Ft	01/04/89
478 AND 479	143.96875 AND 143.98125	UK	APPENDIX 1 POINT 2	ALL UK 50000 Ft	01/04/89
480	143.99375	UK			01/04/89

## APPENDIX 1

### TO THE COORDINATION AGREEMENT IN THE 138 - 144 MHZ BAND BETWEEN THE UNITED KINGDOM AND FRANCE

-----

#### 1 - CHANNELS ALLOCATED TO BELGIUM

##### 1.1 - In the "equal rights" bands.

138.225	GLONS SEMMERZAKE	6K00A3E	200NM/60000 Ft	10W
138.325	GLONS SEMMERZAKE	6K00A3E	200NM/60000 Ft	10W
138.375	GLONS SEMMERZAKE	6K00A3E	200NM/60000 Ft	10W
143.525	GLONS SEMMERZAKE	6K00A3E	200NM/60000 Ft	10W

##### 1.2 - In the UNITED KINGDOM bands.

139.775	CASTEAU CHIEVRES	16K0F3E	GROUND/GROUND	15W
143.175	FLORENNES BRUSTEM	6K00A3E	25NM/4000 Ft	10W

##### 1.3 - In the FRENCH bands.

138.675	FLORENNES BRUSTEM	6K00A3E	25NM/4000 Ft	10W
138.950	CASTEAU CHIEVRES	16K0F3E	GROUND/GROUND	15W

#### 2 - CHANNELS ALLOCATED TO THE UNITED KINGDOM IN THE "EQUAL RIGHTS" BANDS.

138.100	All UK	6K00A3E	Altitude 50000 Ft	20W
138.300	All UK	6K00A3E	Altitude 50000 Ft	20W
143.975	All UK	6K00A3E	Altitude 50000 Ft	20W

**APPENDIX 1 (cont.)**

**3 - CHANNELS ALLOCATED TO FRANCE FOR THE MOBILE AERONAUTICAL SERVICE IN THE "EQUAL RIGHTS" BANDS.**

3.1	138.050	All seas	6K00A3E	Altitude 20000 Ft	20W
	138.250	All FRANCE	6K00A3E	Altitude 20000 Ft	20W
	138.275	All FRANCE	6K00A3E	Altitude 1000 Ft	20W
3.2	140.800	All FRANCE	6K00A3E	Altitude 5000 Ft	15W
	141.100	All FRANCE	6K00A3E	Altitude 50000 Ft	20W
	141.275	All FRANCE	6K00A3E	Altitude 20000 Ft	20W
3.3	143.600	All FRANCE	6K00A3E	Altitude 50000 Ft	20W
	143.750	All FRANCE	6K00A3E	Altitude 50000 Ft	20W
	143.800	All FRANCE	6K00A3E	Altitude 50000 Ft	20W
	143.850	All FRANCE	6K00A3E	Altitude 50000 Ft	20W
	143.950	All FRANCE	6K00A3E	Altitude 20000 Ft	20W

**4 - CHANNELS ALLOCATED TO FRANCE FOR THE MOBILE AERONAUTICAL SERVICE IN THE UNITED KINGDOM BANDS.**

	142.725	All FRANCE	6K00A3E	Altitude 20000 Ft	20W
	142.850	All FRANCE	6K00A3E	Altitude 20000 Ft	20W

**APPENDIX 2**

**TO THE COORDINATION AGREEMENT IN THE 138 - 144 MHZ BAND  
BETWEEN THE UNITED KINGDOM AND FRANCE**

-----

During the bilateral United Kingdom/France meeting of 27 and 28 November 1990, the Administrations of the United Kingdom and France decided to specify below the methods of implementation of the agreement for the sub-bands:

**- 138.5 to 139.5 MHz allocated to France**

-----

- The 8 channels	138.725	138.775	138.850	139.125
	139.250	139.325	139.350	139.475

will be released by the Administration of the United Kingdom before 31/01/91.

- In this sub-band, the other channels will be released before 01/09/91.

**- 138.0 to 138.5 and 140.5 to 141.0 MHz so-called "equal rights"**

-----

- The Administration of the United Kingdom can continue to use certain channels allocated to the French Administration but their progressive release will take place between 01/01/91 and:

- 31/12/92 for channels numbered 212, 213, 219 and 220

- 31/12/94 for channels numbered 32 to 39, 202 to 211, 214 to 218, 221 to 223 and 226 to 235

- However, some channels may, if necessary, still be used by the United Kingdom Administration between 01/01/95 and 31/12/95, after agreement with the French Administration.

- In the case of interference, in either direction, the provisions of points 5.2 and 5.3 of the agreement will be applied.