Agentschap Telecom
Ministerie van Economische Zaken en Klimaat

RÉPUBLIQUE FRANÇAISE
Liberté Égalité Fraternité

ANFR
AGENCE NATIONALE DES FRÉQUENCES

Agreement

between the competent administrations of

France and The Netherlands

concerning the frequency coordination of
Digital Audio Broadcasting (DAB+)
in the frequency band 174-230 MHz
(VHF Band III)

Maisons-Alfort and Groningen

June 2022

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I. INTRODUCTION

This document describes the bilateral Agreement between the administrations of France and The Netherlands (*hereinafter referred to as* "the Agreement") to deal with the frequency plan on the band 174-230 MHz (also called VHF Band III) used for Digital Audio Broadcasting *(hereafter* "DAB+").

All 32 blocks allocated to France and the Netherlands according to the Final Acts of the Regional Radiocommunication Conference in Geneva 2006 of the International Telecommunication Union (*hereafter* "GE06"), were discussed and agreed as shown in Annex 3 of this Agreement. Frequency use and coordination generally follow the guidelines and provisions of GE06.

The Agreement gives an optimization of the GE06 plan which allows both Administrations to implement networks according to their broadcasting requirements under article 4.1.2.1. of GE06[1].

To enable the implementation of these networks, the Administrations have agreed field strength levels that should not be exceeded in order to protect each country (see Annex 3).

Unless otherwise specified, this Agreement shall invalidate and replace any previous Agreement between France and The Netherlands in the abovementioned frequency band.

II. FREQUENCY USAGE

1.1. France

The first 29 blocks of Band III (5A to 12A) on the frequency range 174-224.8 MHz, as assigned in GE06, are used for DAB+. The last blocks 12B, 12C and 12D are assigned nationally to the military authorities for their particular mobile services (frequency range 224.8 -230 MHz):

France owns furthermore a secondary allocation of the Band 174-224.8 MHz to PMSE services. In any case, France undertakes that PMSE usage will respect the provisions of the Agreement.

1.2. The Netherlands

All blocks from 5A to 12D (32 blocks), as assigned in GE06, are used for DAB+ except block 7A (nationwide) and block 9B for the Zeeland area which are nationally allocated to PMSE.

These blocks are allocated by the Dutch administration as dedicated PMSE blocks and future DAB. The PMSE usage will respect the provisions of the Agreement. 9B usage for PMSE is subject to the approval of Belgium concerning 7A.

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[1] GE06 article 4.1.2.1.: *Any administration proposing to change the characteristics of an assignment/allotment appearing in the Plans, or to add a new assignment/allotment to the Plans, shall seek the agreement of any other administration whose broadcasting service and/or other primary terrestrial services are considered to be affected.*

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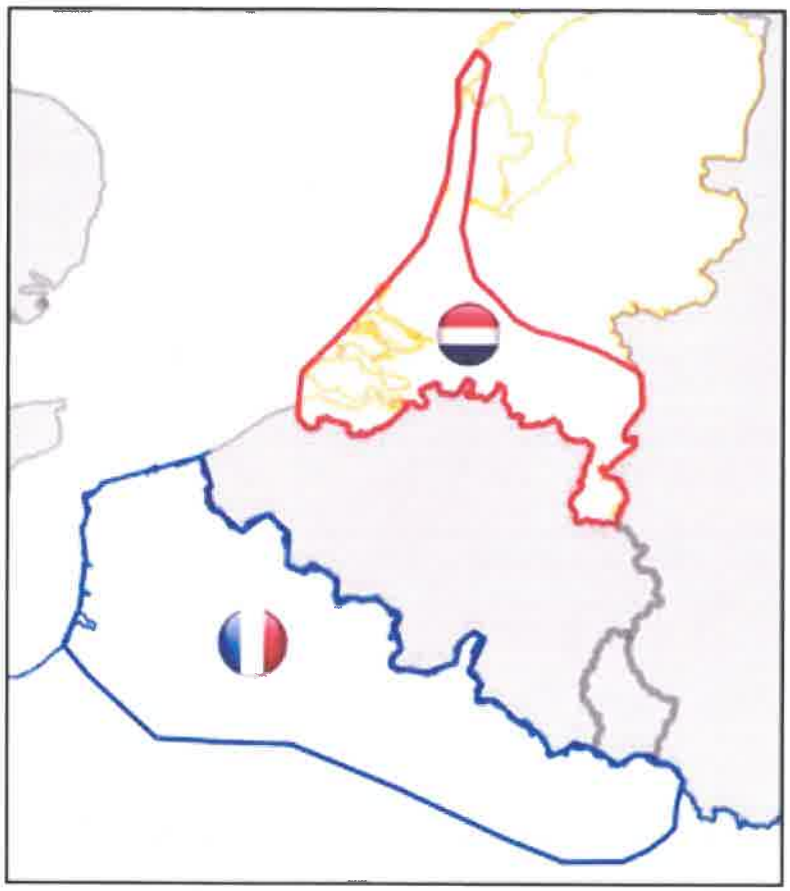
III. BUFFER ZONE

3.1. Description of the Buffer Zone

The Buffer Zone (or Coordination Zone) is defined as the area where a given transmitter might affect the service area of another administration operating on the same block (frequency).

Both administrations have approved the boundaries of the Buffer Zone as depicted in the map below.



Agreed partition of the Buffer Zone

Annex 1 contains a detailed map of the Buffer Zone as well as a KML file.

3.2. Guiding principles of the Buffer Zone

All the assignments in the Buffer Zone must be coordinated between the two administrations in accordance with the Agreement.

Both administrations agreed that assignments outside the Buffer Zone are considered as agreed and registered to the Plan without the need for coordination with respect to the agreed interference levels of Annex 3 and according to the notification procedure of the GE06 Final Acts.

In case of assignments outside the Buffer Zone, the other administration has 40 days after the publication of the proposed modification in Part A of the BR IFIC to confirm its Agreement or to request to be removed from the list of agreeing administrations.

All the allotments within the Buffer Zone for both administrations are depicted in the Annex 4 for France and in Annex 5 for The Netherlands.

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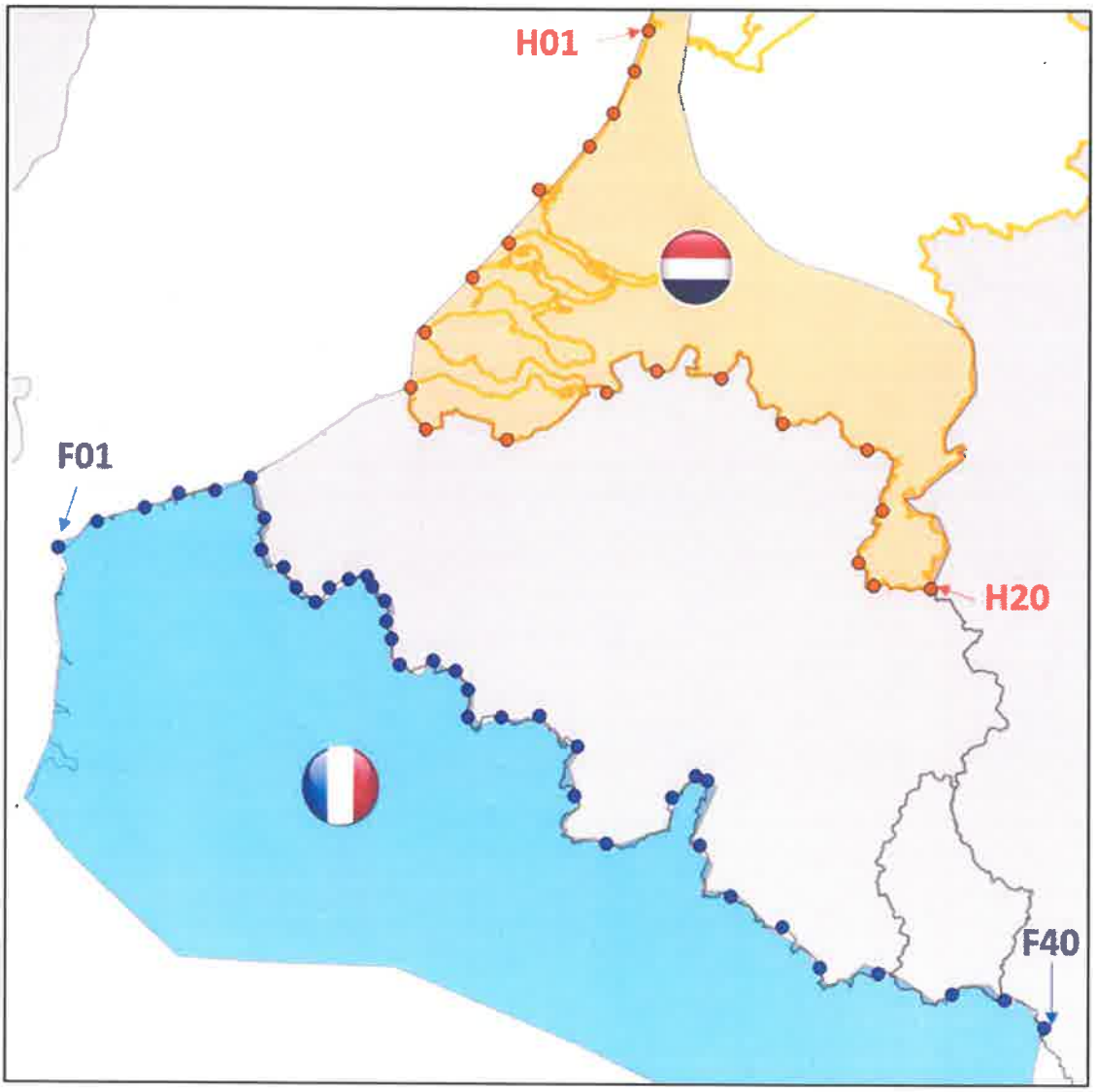
IV. TEST POINTS

Both administrations agree to use test points on both maritime and terrestrial borders to check the interference levels generated by French and Dutch networks on some blocks.

These test points are depicted in the map below. They are labelled **F01 to F39** for France and **H01 to H20** for The Netherlands. For more details, Annex 2 contains a KML file with location and name of each test point as well as a table of their precise coordinates.



Agreed distribution of test points

V. PROPAGATION MODEL

The field strength prediction model used to assess the interference for both maritime and terrestrial paths is in accordance with recommendation **ITU-R P. 1546-5, 1% time; 50% location on 10 meters height** and without using Terrain Clearance Angle (and therefore with no need of DTM information), no tropospheric scattering and with sea path defined as "Cold" in ITU IDWM.

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VI. WORKING METHOD

This bilateral Agreement is the result of several meetings held since June 2019 and conducted in a cooperative spirit in order to define an acceptable solution for both administrations.

At the subsequent meetings since November 2019, each administration submitted thus its requirements for VHF Band III. All 32 blocks constituting this Band (from 5A to 12D) have been discussed. For each block, a compromise with regard to the maximum interfering field strength allowed on both sides has been found and agreed and is transcribed in the Agreement on Annex 3.

For two specific blocks (namely 11C and 12C), the two administrations have decided to keep the exact rule settled in the previous bilateral Agreement on Band III signed during the RRC06 conference. The exact text of these two relations is therefore copied at the end of the Annex 3 of this Agreement.

VII. ALLOTMENTS

Administrations will inform each other about the implementation date(s) of allotments via bilateral correspondence and officially through the ITU's GE06 coordination procedures.

VIII. REVIEW OF THE AGREEMENT

The Agreement may be reviewed upon request of one of the Administration when such amendment becomes necessary due to administrative, regulatory or technical changes.

IX. LANGUAGE OF THE AGREEMENT

The Agreement shall be signed in two originals in the English language, each of which having equal standing. One counter-signed original shall be delivered to other administration. The administrations cannot withdraw unilaterally from the Agreement.

X. ENTRY INTO FORCE

The Agreement shall enter into force on the date of the last signature.

For France

Date : 01/08/2022

Abdelhak FODIL

For The Netherlands

Date : 10/08/2022

Kier-co GERRITSEN

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Annex 1 – Detail of the Buffer Zone

Both coordination zones can be displayed on Google Earth via the following .kml file:

F-HOL -
Coordination Zone.kml

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Annex 2 – Detail of the test points

Localisation map of the test points

The test points can be more precisely located in Google Earth using the .kml file below :

F-HOL Test points.kml

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Coordinates of French Test Points

Coastal Test points :

Name	Longitude	Latitude	Location	Remarks
F-01	1°34'46.92"E	50°52'14.88"N	Boulonnais	Named F54 with the UK
F-02	1°46'55.92"E	50°57'7.92"N	Calais 1	Named F55 with the UK
F-03	2°1'30.00"E	50°59'56.04"N	Calais 2	Named F56 with the UK
F-04	2°11'29.04"E	51°2'22.92"N	Dunkerque 1	Named F57 with the UK
F-05	2°22'44.27"E	51°2'59.32"N	Dunkerque 2	
F-06	2°33'15.84"E	51°5'25.08"N	Dunkerque 3	Named F58 with the UK

Terrestrial Test points

Name	Longitude	Latitude	Location	Remarks
F-07	2°37'21.30"E	50°57'55.89"N	Cassel 1	
F-08	2°36'48.54"E	50°52'1.07"N	Cassel 2	
F-09	2°43'14.76"E	50°48'51.40"N	Cassel 3	
F-10	2°47'2.73"E	50°45'9.20"N	Cassel 4	
F-11	2°53'20.97"E	50°42'19.51"N	Cassel 5	
F-12	2°57'38.31"E	50°45'3.89"N	Lille 1	
F-13	3°3'25.64"E	50°46'41.63"N	Lille 2	
F-14	3°8'52.06"E	50°47'14.34"N	Lille 3	
F-15	3°10'45.68"E	50°45'15.48"N	Lille 4	
F-16	3°14'20.17"E	50°42'38.82"N	Lille 5	
F-17	3°14'44.18"E	50°38'49.25"N	Lille 6	
F-18	3°16'36.31"E	50°35'38.92"N	Lille 7	
F-19	3°19'20.77"E	50°30'42.15"N	St Amand 1	
F-20	3°29'34.08"E	50°31'35.31"N	St Amand 2	
F-21	3°36'12.17"E	50°29'38.76"N	Valenciennes 1	
F-22	3°39'49.73"E	50°26'10.41"N	Valenciennes 2	
F-23	3°39'58.37"E	50°20'54.37"N	Valenciennes 3	
F-24	3°50'21.36"E	50°21'8.48"N	Maubeuge 1	
F-25	4°1'33.09"E	50°21'23.31"N	Maubeuge 2	
F-26	4°13'2.89"E	50°15'40.07"N	Maubeuge 3	
F-27	4°12'22.22"E	50°6'20.35"N	Hirson 1	
F-28	4°21'56.15"E	49°57'20.18"N	Hirson 2	
F-29	4°42'18.25"E	50°5'56.32"N	Ardennes 1	
F-30	4°49'24.97"E	50°10'4.82"N	Ardennes 2	
F-31	4°52'41.23"E	50°9'18.92"N	Ardennes 3	
F-32	4°50'45.99"E	49°56'59.41"N	Ardennes 4	
F-33	5°0'11.20"E	49°47'24.78"N	Ardennes 5	
F-34	5°15'53.76"E	49°41'40.39"N	Ardennes 6	
F-35	5°27'20.66"E	49°33'54.98"N	Montmédy	
F-36	5°45'11.69"E	49°32'44.20"N	Longwy	
F-37	6°7'39.35"E	49°28'50.95"N	Thionville 1	
F-38	6°23'12.71"E	49°27'49.79"N	Thionville 2	
F-39	6°35'26.25"E	49°22'28.78"N	Bouzonville	

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Coordinates of Dutch Test Points

Coastal Test points:

Name	Longitude	Latitude	Location	Remarks
H-01	4°34'0.77"N	52°27'3.89"E	North Holland 1	
H-02	4°29'42.25"N	52°19'40.37"E	North Holland 2	
H-03	4°23'34.73"N	52°12'9.29"E	South Holland 1	
H-04	4°16'2.78"N	52°6'15.77"E	South Holland 2	
H-05	4°0'50.04"N	51°58'15.24"E	South Holland 3	
H-06	3°51'48.71"N	51°48'45.47"E	South Holland 4	
H-07	3°41'0.38"N	51°42'14.65"E	Zeeland Coastal 1	
H-08	3°26'19.75"N	51°32'16.69"E	Zeeland Coastal 2	
H-09	3°21'58.68"N	51°22'8.62"E	Zeeland Coastal 3	

Terrestrial Test points:

Name	Longitude	Latitude	Location	Remarks
H-10	3°26'59.82"N	51°14'34.08"E	Zeeland Terrestrial 1	
H-11	3°51'38.27"N	51°12'43.42"E	Zeeland Terrestrial 2	
H-12	4°21'45.40"N	51°21'28.08"E	North Brabant 1	
H-13	4°37'11.71"N	51°25'28.20"E	North Brabant 2	
H-14	4°56'26.84"N	51°24'0.36"E	North Brabant 3	
H-15	5°15'16.06"N	51°15'51.30"E	North Brabant 4	
H-16	5°41'11.87"N	51°11'5.42"E	Limburg 1	
H-17	5°45'59.80"N	50°59'54.74"E	Limburg 2	
H-18	5°38'35.56"N	50°50'13.49"E	Limburg 3	
H-19	5°43'14.70"N	50°45'47.41"E	Limburg 4	
H-20	6°0'45.50"N	50°45'26.86"E	Limburg 5	

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Annex 3 – Detail of the agreed relations for each block

The following tables, starting on next page, describe the relations concluded for each block of Band III (from 5A to 12D).

Following reading rules apply regarding French allotments *(2nd column)*:

- **GE06 Allotments currently in force and recorded in the Plan at the date of the signature are written in bold uppercase.**
  - For example:

7B (190.64 MHz)	**AISNE NORD REGIONAL** *Usage: Local layer in Saint-Quentin*

In this case, the exact Allotment name as recorded in the BR is reported.

- **New allotments corresponding to additional rights not recorded in the BR at the date of the signature are indicated in bold lowercase.**
  - For example:

5B (176.24 MHz)	**Calais Local** *Usage: Local layer in Calais area*

- **The usage written in italics is provided for information purposes only and corresponds to the current planned use of the block at the date of the signature.**

Following reading rules apply regarding the Agreed Arrangement *(two last columns)*

- Unless otherwise specified, **the figures imprinted in the two last columns indicate the maximum interfering field strength (in dBµV/m) to be respected by one administration within the designated allotment of the other administration.**
- For some blocks, the inscribed relation is based on maximum interfering field strength to respect on all or part of the test points defined in the Annex 2.
  In this regard, these cases are pinpointed with a small black dot (•).
- If no allotment is specifically delimited and/or no test points are detailed, the relation shall apply to the whole contour of the foreign Buffer Zone.
  In such cases, distinction can be made between coastal/maritime boundaries and terrestrial borders.

CHANNEL 5 (Blocks 5A to 5D)

Block *(Frequency)*	**French allotment/usage**	**Dutch allotment/usage**	**Agreed Arrangement F> HOL** Max allowable interfering field strength (dBµV/m)	**Agreed Arrangement HOL > F** Max allowable interfering field strength (dBµV/m)
5A (174.928 MHz)	**ARDENNES-REGIONAL + Metz local** (GE06 Allotment extension) *Usage: Regional layer in Metz area*	*Usage: Local layer (Layer 6)*	**38**	**38**
5B (176.24 MHz)	**Calais local** *Usage: Local layer in Calais area*	**HOL2405** (Zeeland + South Holland) *previously referenced* 23ZL + 23RM + 23 WE *in the GE06 Plan*	• H01 to H07: **38** • H08: **40** • H09 to H11: **38**	• F01 to F06: **43** • F07: **42** • F08 to F11: **41** • F12: **42** • F13: **43** • F14 to F15: **44**
5C (178.352 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
5D (180.064 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)

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CHANNEL 6 (Blocks 6A to 6D)

Block *(Frequency)*	**French allotment/usage**	**Dutch allotment/usage**	**Agreed Arrangement F> HOL** Max allowable interfering field strength (dBµV/m)	**Agreed Arrangement HOL > F** Max allowable interfering field strength (dBµV/m)
6A (181.936 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
6B (183.648 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
6C (185.36 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
6D (187.072 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)

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CHANNEL 7 (Blocks 7A to 7D)

Block *(Frequency)*	French allotment/usage	Dutch allotment/usage	Agreed Arrangement F> HOL Max allowable interfering field strength (dBµV/m)	Agreed Arrangement HOL > F Max allowable interfering field strength (dBµV/m)
7A (188.928 MHz)	**Valenciennes local** **(NORD SUD REGIONAL + Extension)** *Usage: Local Layer in Valenciennes*	**HOL 2501** (Nationwide)	• H06 to H11:**41** • H12:**40** • H13 to H20: **38**	• F06: **43** • F07: **42** • F08 to F17: **41** • F18: **40** • F19 to F29: **39** • F30 and F31:**40** • F32 to F39: **39**
7B (190.64 MHz)	**AISNE NORD REGIONAL** *Usage: Local layer in Saint-Quentin*	**0905H** (North Brabant + Limburg) *Usage: Local layer* *(Layer 6)*	**38**	**38**
7C (192.352 MHz)	**NORD REGIONAL** **+ PAS DE CALAIS OUEST REGIONAL** *Usage: Local layer in Lille*	**HOL2407** (North Brabant + Limburg) *Previously referenced* 0905H *in the GE06 Plan*	**38**	**38**
7D (194.064 MHz)	**NORD-PASDECALAIS-SOMME** **+ PAS DE CALAIS OUEST** *Usage: Local layer in Lille*	**HOL2301** (Nationwide)	• H01-H02: 40 • H03: **41** • H04: **42** • H05: **44** • H09 to H10: **43** • H11: **41** • H12 to H20: **39**	• F01 to F06: **43** • F07: **42** • F08: **41** • F9 to F12: **39** • F13 to F18: **40** • F19 to F29: **39** • F30 & F31: **40** • F32 to F39: **38**

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CHANNEL 8 (Blocks 8A to 8D)

Block *(Frequency)*	French allotment/usage	Dutch allotment/usage	Agreed Arrangement F> HOL Max allowable interfering field strength (dBµV/m)	Agreed Arrangement HOL > F Max allowable interfering field strength (dBµV/m)
8A (195.936 MHz)	**NORD PAS DE CALAIS SOMME + PAS-DE-CALAIS-OUEST** *Usage: Regional layer in Lille* **LORRAINE (MEUSE NORD + MOSELLE OUEST + MEURTHE ET MOSELLE + MEUSE SUD)** *Usage: Local layer in Metz*	**HOL0903H** (Randstad) *Usage: Local layer (Layer 6)*	• H01 to H05: **45** • H06 to H11: **No limitation F** • H12: **45** - H13: **43** - H14: **41** • H15 & H16: **40** • H17 to H20: **No limitation F**	**38**
8B (187.648 MHz)	**NORD PAS DE CALAIS SOMME + PAS-DE-CALAIS-OUEST** *Usage: National layer 1* **LORRAINE (MEUSE NORD + MOSELLE OUEST + MEURTHE ET MOSELLE + MEUSE SUD)** *Usage: National layer 2*	**HOL2403** (Randstad) *Previously referenced* HOL0903H *in the GE06 plan*	ON COAST: • H01 & H02: **40** • H03: **41** • H04: **42** • H05: **44** IN LAND: Randstad: **43** Noordholland Flevoland: **38**	• F01 to F06: **43** • F07: **42** • F08: **41** • F09 to F27: **39**
8C (199.36 MHz)	**NORD REGIONAL + PAS DE CALAIS OUEST REGIONAL** *Usage: National layer 2* **LORRAINE (MEUSE NORD + MOSELLE OUEST + MEURTHE ET MOSELLE + MEUSE SUD)** *Usage: Local layer in Verdun*	**HOL0903H** (Randstad) *Usage: Local layer (Layer 6)* **23LZ** (Maastricht)	• H01-H02: 40 • H03: **41** • H04: **42** • H05: **44** • H12: **45** • H13: **43** • H14: **41** • H15-H17: **40** • H18: **38** • H19: **38** • H20: **38**	**38**
8D (201.072 MHz)	**NORD-PASDECALAIS-SOMME + PAS-DE-CALAIS OUEST** *Usage: Locale Dunkerque & Etendue Amiens*	**HOL2801** (Randstad) *Previously referenced* HOL0903H *in the GE06 plan*	**42**	**42**

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CHANNEL 9 (Blocks 9A to 9D)

Block *(Frequency)*	French allotment/usage	Dutch allotment/usage	Agreed Arrangement F> HOL Max allowable interfering field strength (dBµV/m)	Agreed Arrangement HOL > F Max allowable interfering field strength (dBµV/m)
9A (202.928 MHz)	**ARDENNES + CHAMPAGNE-ARDENNE-NORD** *Usage: Regional layer in Reims*	**HOL2302** (Zeeland) *Previously referenced* 0904H *in the GE06 plan*	**38**	**38**
9B (204.064 MHz)	**ARDENNES + CHAMPAGNE-ARDENNE-NORD** *Usage: Local layer in Reims*	**HOL2502** (Zeeland) *Previously referenced* 0904H *in the GE06 plan*	**38**	**38**
9C (206.352 MHz)	**ARDENNES + CHAMPAGNE-ARDENNE-NORD** *Usage: National layer 2*	**HOL2701** (Nationwide)	**40 on ZEELAND** (TP H06 to H11) **38 on 23BLN** Nord Brabant and northern part of Limburg as referred in the GE06 Plan. (TP H12 to H16) **41 on MAASTRICHT** Southern part of Limburg (TP H17 to H20)	• F6 & F7: **44** • F8: **42** • F9 to F11: **41** • F12: **43** • F13 to F16: **44** • F17: **43** - F18: **42** - F19: **41** • F20 & F21: **42** • F22: **41** • F23 & F24: **40** • F25: **41** - F26: **40** • F27 to F29: **38** • F30 & F31: **40** • F32 to F39: **38**
9D (208.064 MHz)	**ARDENNES + CHAMPAGNE ARDENNES NORD** *Usage: National layer 1*	**0904H** (Zeeland) *Usage: local allotments (layer 6)*	**38**	**38**

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CHANNEL 10 (Blocks 10A to 11D)

Block *(Frequency)*	**French allotment/usage**	**Dutch allotment/usage**	**Agreed Arrangement F> HOL** Max allowable interfering field strength (dBµV/m)	**Agreed Arrangement HOL > F** Max allowable interfering field strength (dBµV/m)
10A (209.936 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
10B (211.648 MHz)	**Soissons local** (not in GE06) *Usage: Local layer in Soissons*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
10C (213.36 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
10D (215.072 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage: **Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)

CHANNEL 11 (Blocks 11A to 11D)

Block *(Frequency)*	French allotment/usage	Dutch allotment/usage	Agreed Arrangement F> HOL Max allowable interfering field strength (dBµV/m)	Agreed Arrangement HOL > F Max allowable interfering field strength (dBµV/m)
11A (216.928 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage*: ***Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
11B (218.64 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	*Usage*: ***Local layer (Layer 6)***	**36 on coast** (TP H01 to H09) **33 on terrestrial border** (TP H10 to H20)	**36 on coast** (TP F01 to F06) **33 on terrestrial border** (TP F07 to F39)
11C (220.352 MHz)	**SOMME REGIONAL** *Usage: Local layer in Amiens* **+** **Rethel local** (not in GE06) *Usage: Local layer in Rethel*	**HOL2201** (Nationwide)	**Relation settled for block 11C in the previous *F-HOL VHF Agreement* from 2006 shall remain in force.** This relation shall henceforth apply to both French allotment of SOMME REGIONAL and *Rethel local.*	
11D (222.064 MHz)	**NORD-PAS-DE-CALAIS SOMME** *Usage: Local layer in Béthune* **Part of ALSACE – LORRAINE belonging to the buffer zone** *Usage: National 1 Lorraine*	*No Dutch usage planned in the Buffer Zone at the date of the signature of this Agreement.*	**No restriction required**	*Not applicable*

CHANNEL 12 (Blocks 12A to 12D)

Block *(Frequency)*	French allotment/usage	Dutch allotment/usage	Agreed Arrangement F> HOL Max allowable interfering field strength (dBµV/m)	Agreed Arrangement HOL > F Max allowable interfering field strength (dBµV/m)
12A (223.936 MHz)	**ARDENNES** **CHAMPAGNE ARDENNE NORD** *Usage: Local layer in Charleville-Mezières*	*No Dutch usage planned in the Buffer Zone at the date of the signature of this Agreement.*	**No restriction required**	*Not applicable*
12B (225.648 MHz)	*No French usage planned in the Buffer Zone at the date of the signature of this Agreement.*	**HOL2406** (Utrecht & Gelderland) *Previously referenced* 23GL & 23UT *in the GE06 plan*	*Not applicable*	**No restriction required**
12C (227.36 MHz)	**ARDENNES & CHAMPAGNE ARDENNE NORD**	**HOL2101** (Nationwide) *Previously referenced* 2101 *in the GE06 plan*	*Not applicable*	**Relation settled for block 12C in the previous F-HOL VHF Agreement from 2006 shall remain in force[1]**
12D (229.072 MHz)	**PAS DE CALAIS OUEST** **+ NORD PAS DE CALAIS SOMME** **+ MEUSE NORD** **+ MOSELLE OUEST**	*Usage: **Local layer (Layer 6)***	*Not applicable*	**30** **on coastal and terrestrial border** (TP F01 to F39)

[1] Corresponding Agreement and exact relation can be consulted via the following link:
https://www.anfr.fr/fileadmin/mediatheque/documents/coordination/Accords_par_pays/Agreement_HOL-F-VHF-GE06-final.pdf

Relations from the VHF F-HOL 2006 Agreement.

The following relations are extracted from the previous Agreement on Band III signed in 2006.

As indicated in the table of Annex 3, the exact text of these relations still applies for blocks 11C and 12C[1].

Channel 11

France	The Netherlands	Remarks
T-DAB on 11C	T-DAB on 11C	F→HOL: General rule applicable[3] F→HOL: Maximum interfering field strength: 41 dBµV/m[4] HOL→F: Maximum interfering field strength: 41 dBµV/m[5]

[3]: This is the maximum allowed interference, caused by the real network implementation (assignments) of the interfering allotment in France, on the border of the victim allotment in The Netherlands, East of the test point 004E25 54/51N21 52 on the border of The Netherlands.

[4]: This is the maximum allowed interference, caused by the real network implementation (assignments) of the interfering allotment in France, on the border of the victim allotment in The Netherlands, West of the test point 004E25 54/51N21 52 on the border of The Netherlands.

[5]: This is the maximum allowed interference, caused by the real network implementation (assignments) of the interfering allotment in The Netherlands, on the border of the victim allotment in France.

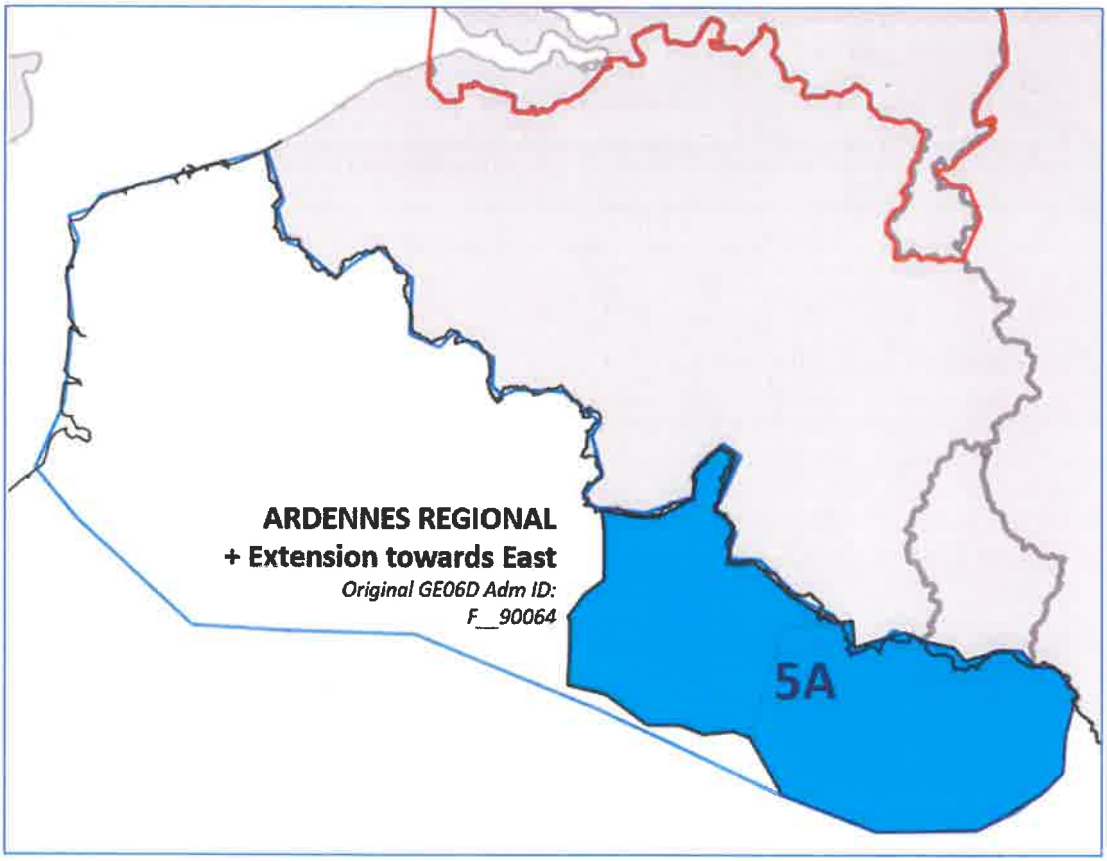
Channel 12

France	The Netherlands	Remarks
T-DAB on 12C	T-DAB on 12C	The real implementation of the network on 12C in The Netherlands will not exceed the cumulative interference caused by the following GE06 assignments: ZWE2101, WIR2101, VEO2101, TEL2101, TEG2101, SME2101, SCG2101, RUO2101, ROM2101, ROL2101, ROD2101, MIO2101, MAT2101, LOD2101, IRM2101, HOD2101, HEO2101, HAM2101, GEP2101, EYS2101, EMN2101, HAG2101, ARN2101, APN2101, AMD2101, LED2101, GOS2101, PHE2101, LOK2101

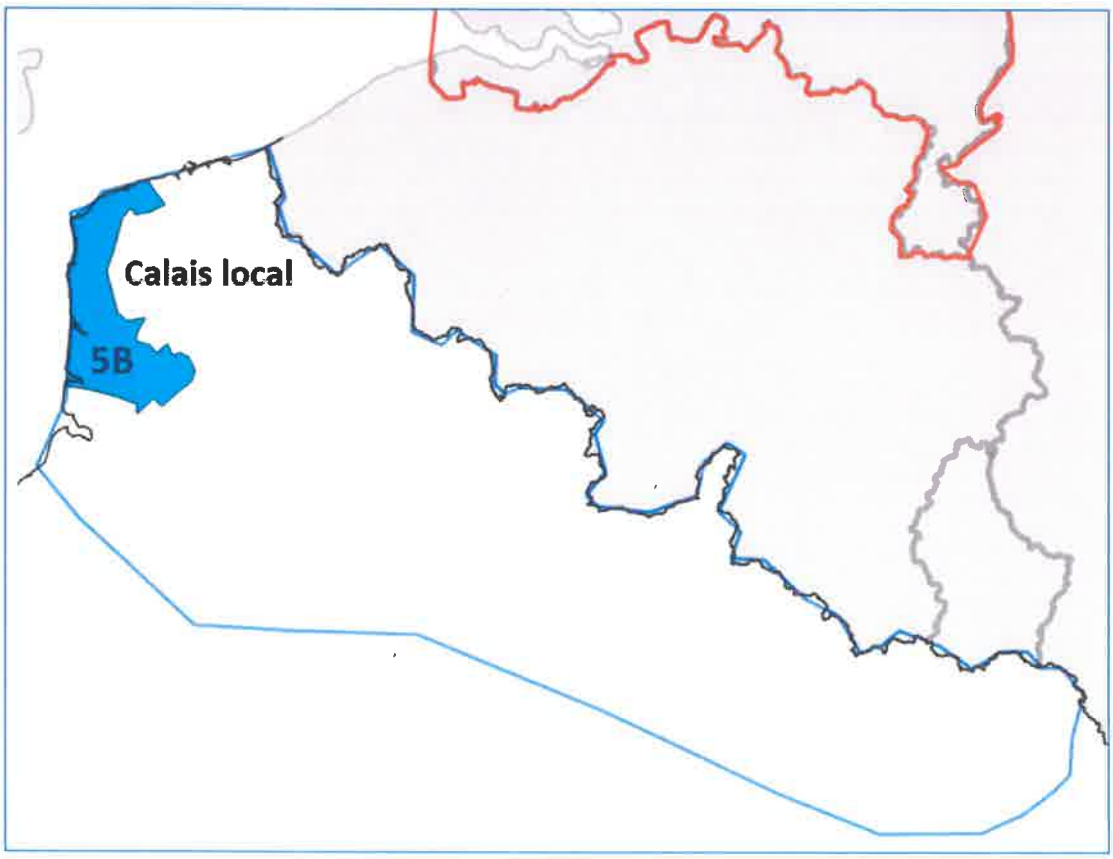
The full Agreement from which these sharing situations are extracted can be consulted via the following Link:
https://www.anfr.fr/fileadmin/mediatheque/documents/coordination/Accords_par_pays/Agreement_HOL-F-VHF-GE06-final.pdf

[1] For block 11C, corresponding relation apply now for the two allotments of SOMME REGIONAL and Rethel local.

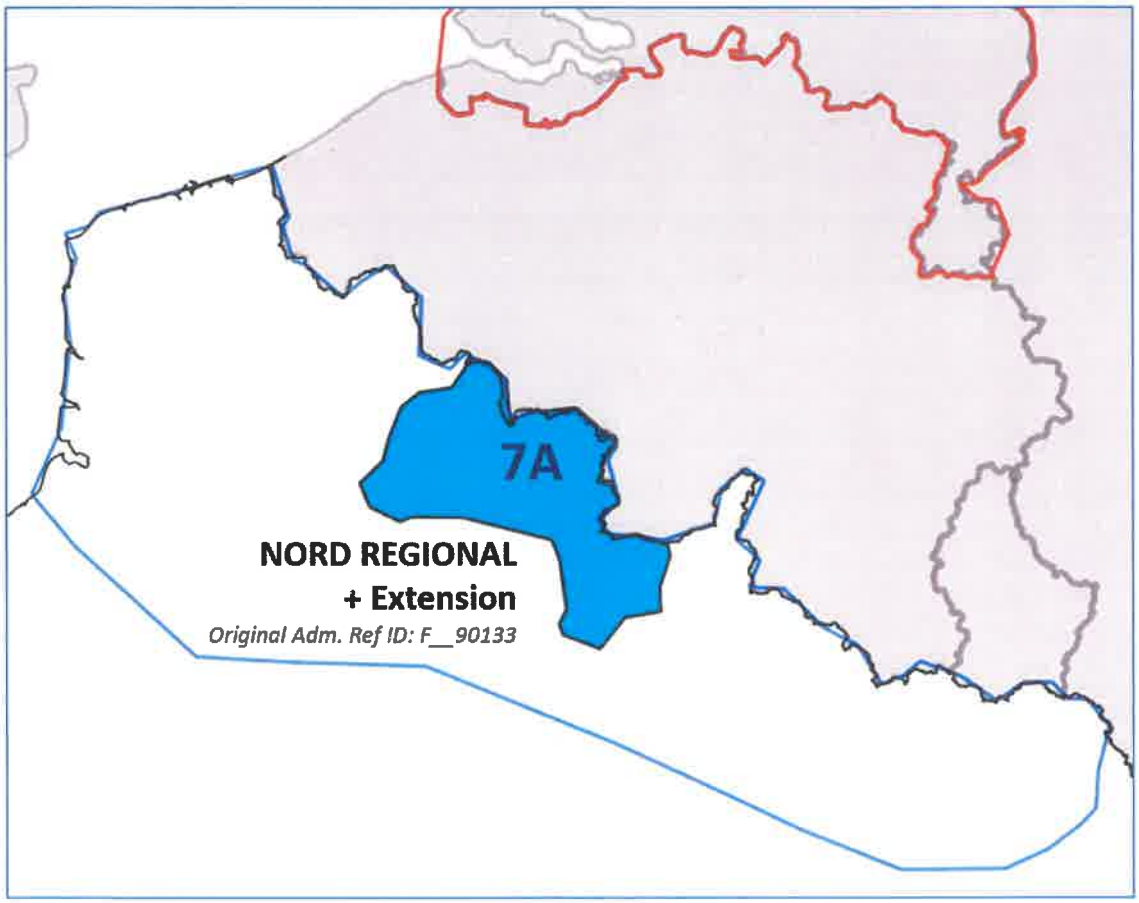
Annex 4 Allotments of France



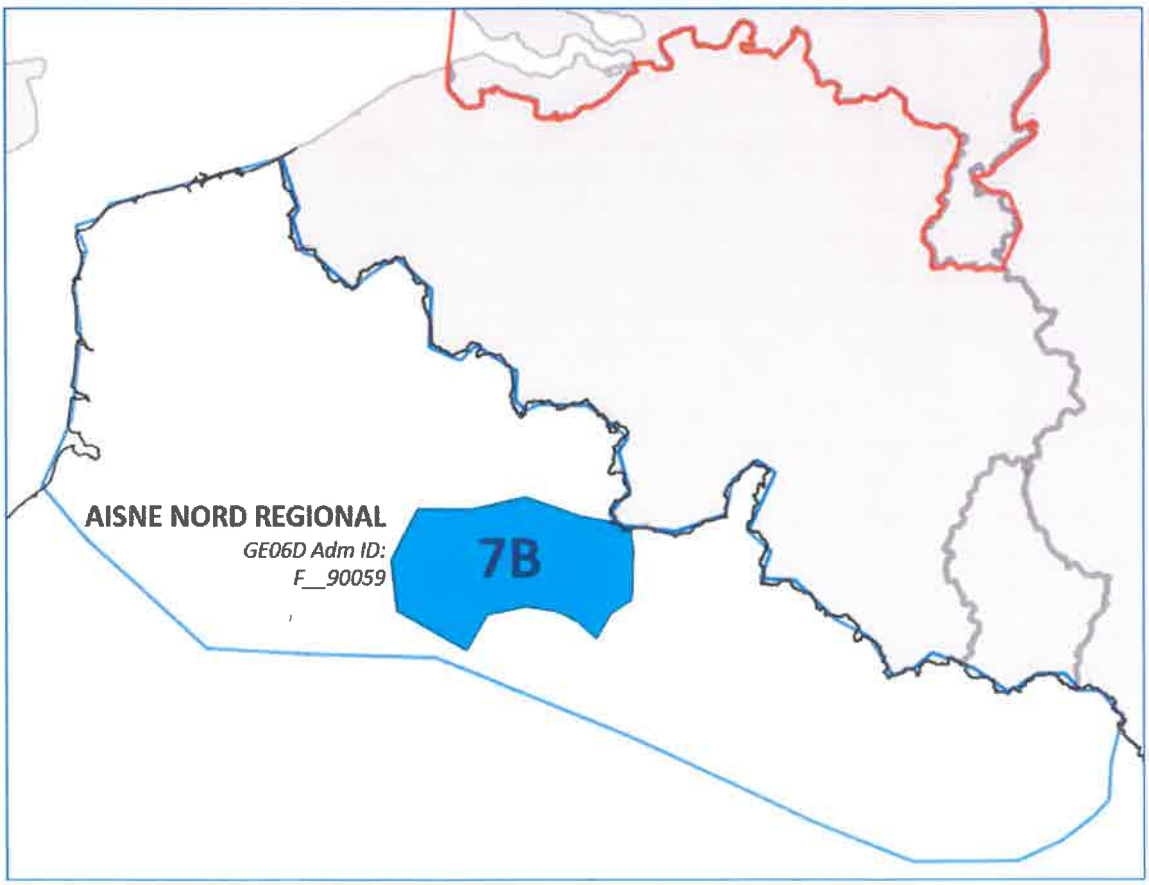
Block 5A



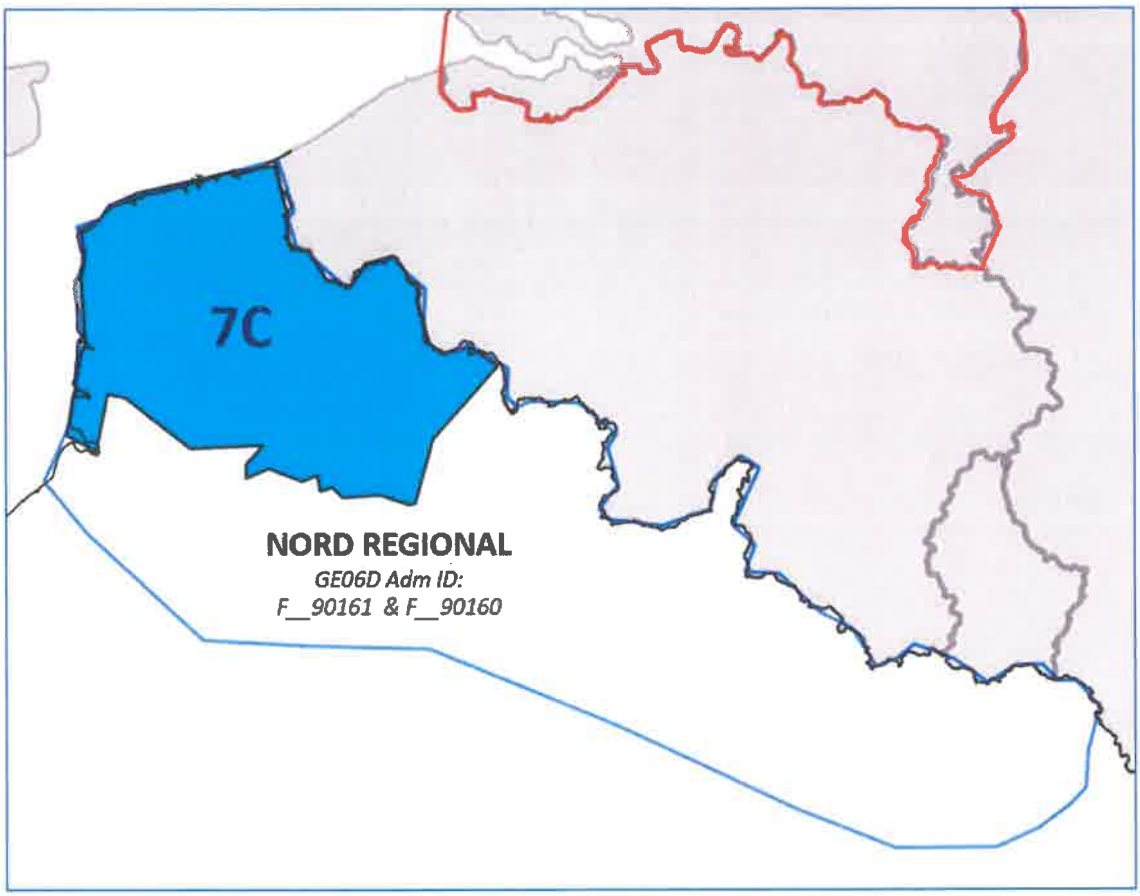
Block 5B



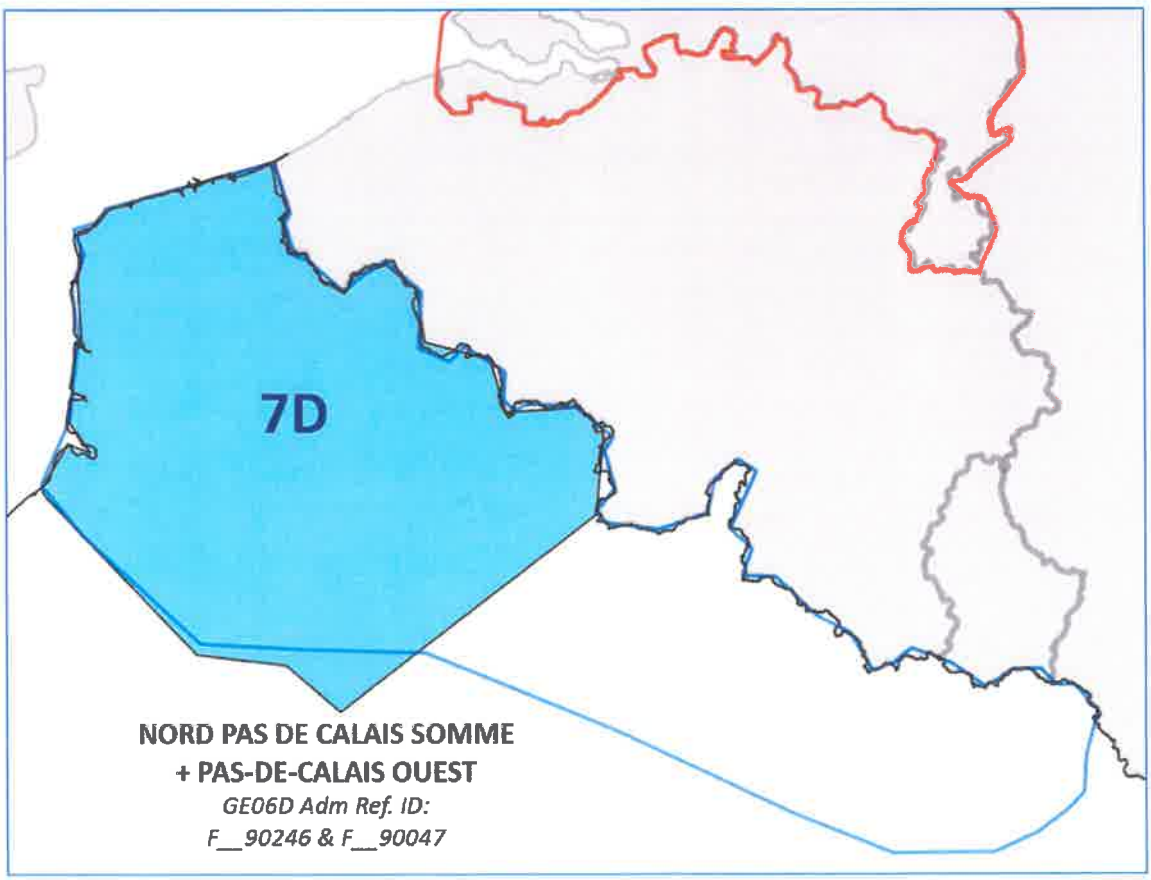
Block 7A



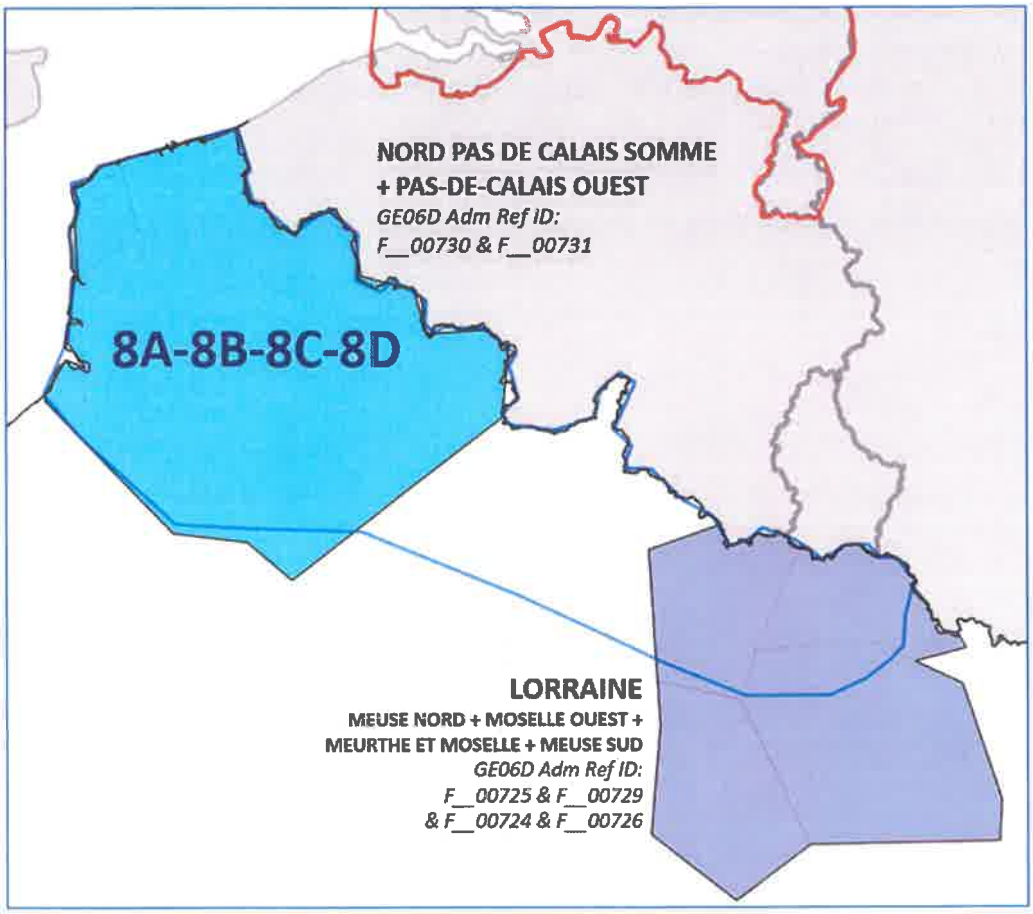
Block 7B



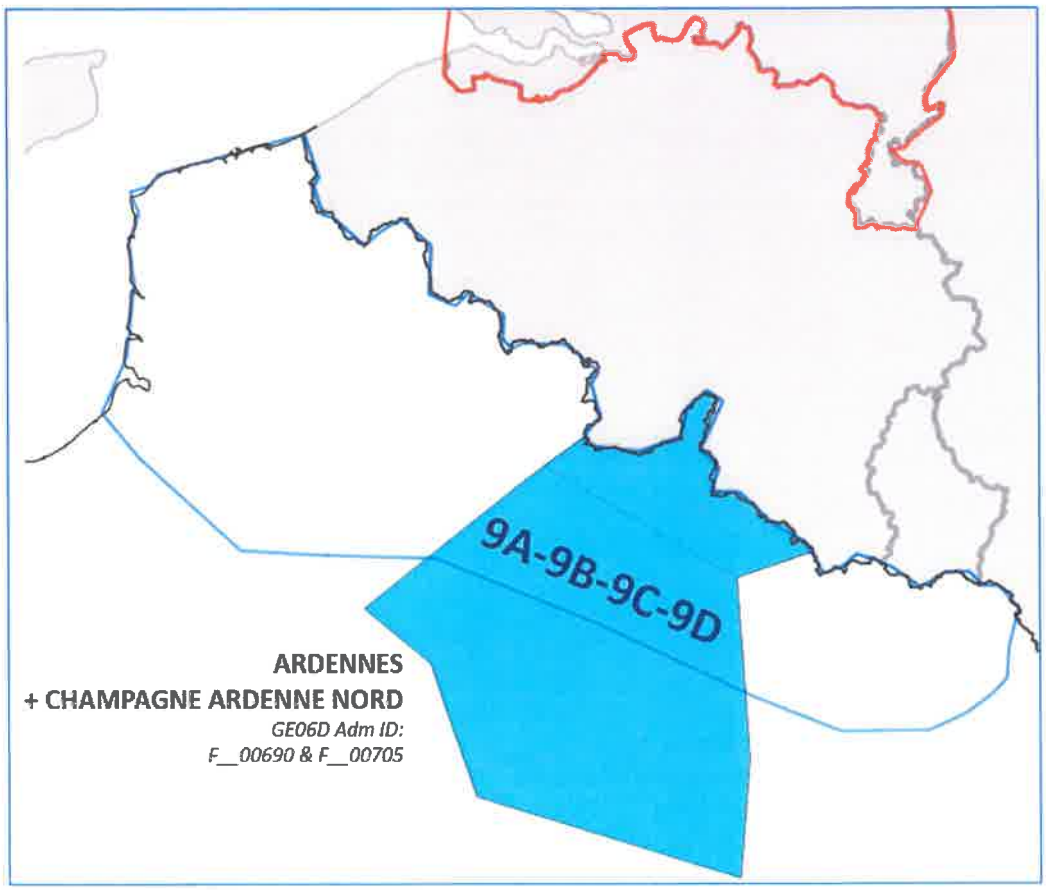
Block 7C



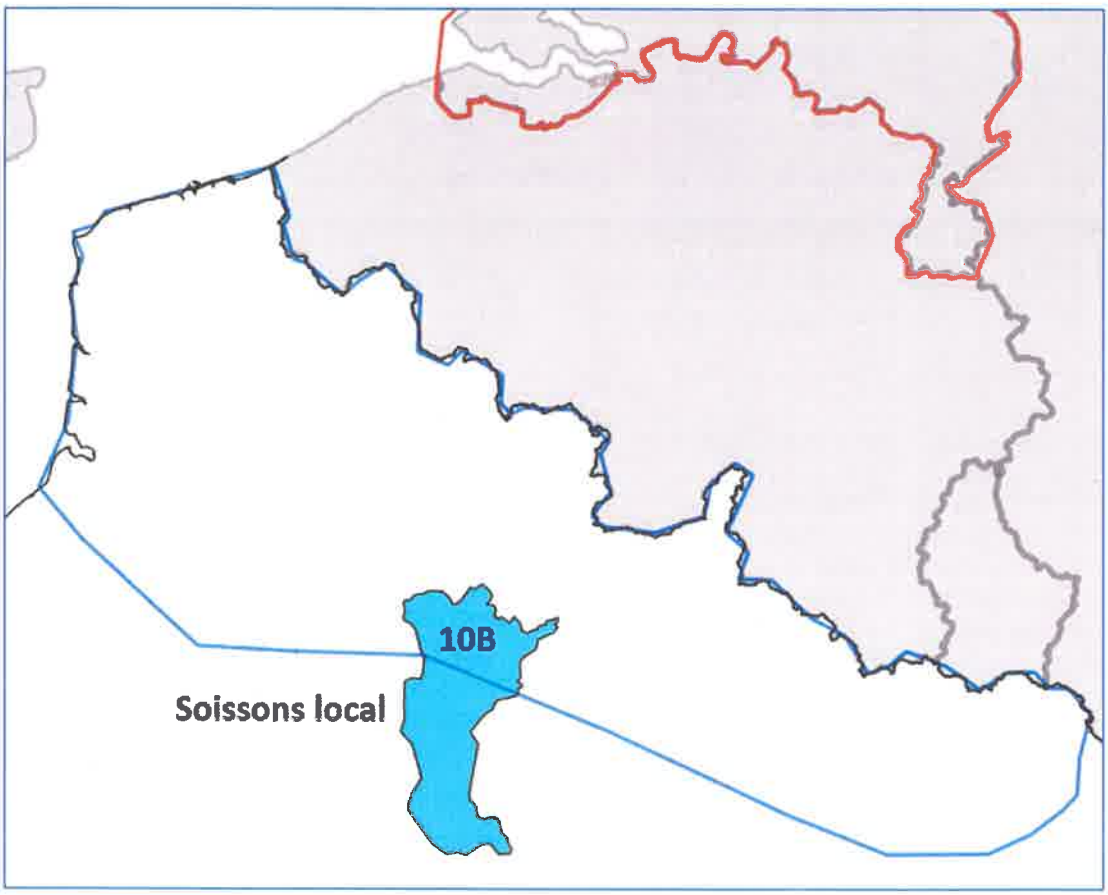
Block 7D



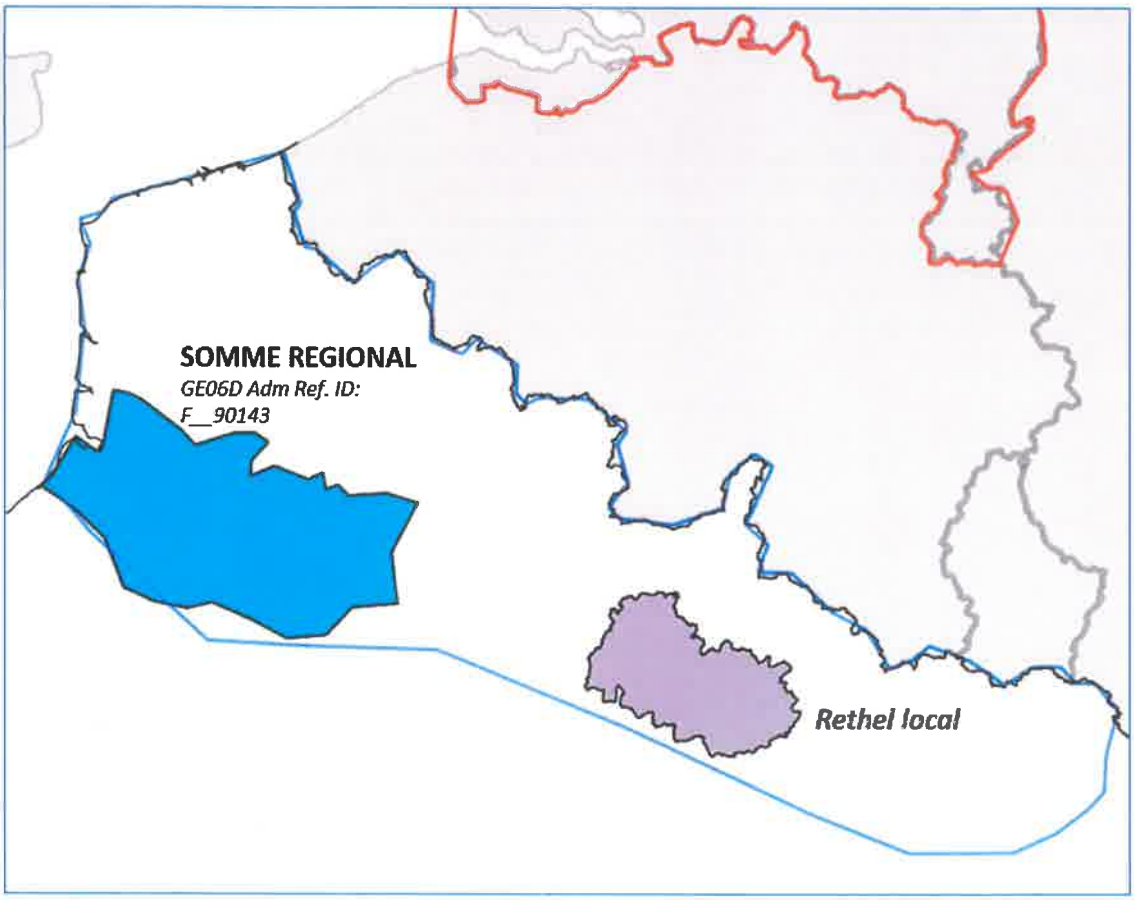
Blocks 8A, 8B, 8C and 8D



Blocks 9A, 9B, 9C and 9D

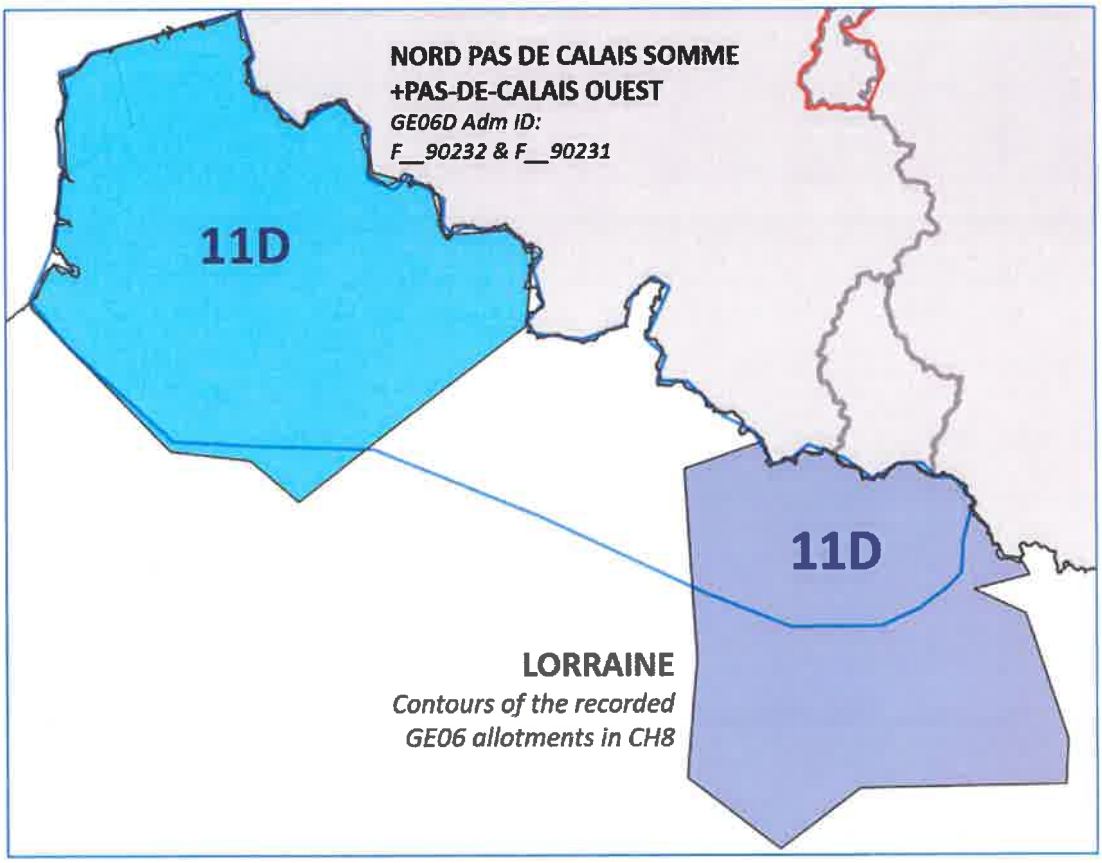


Block 10B

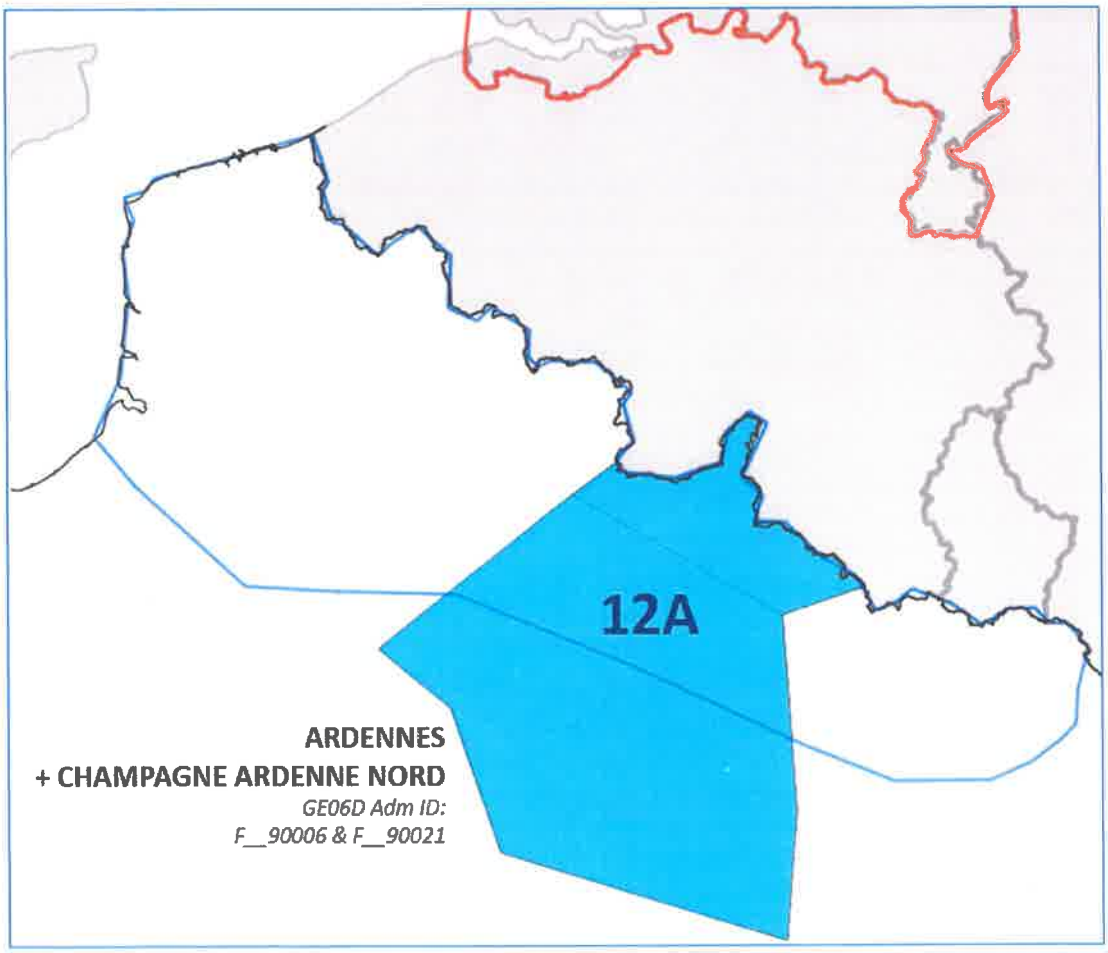


Block 11C

AF

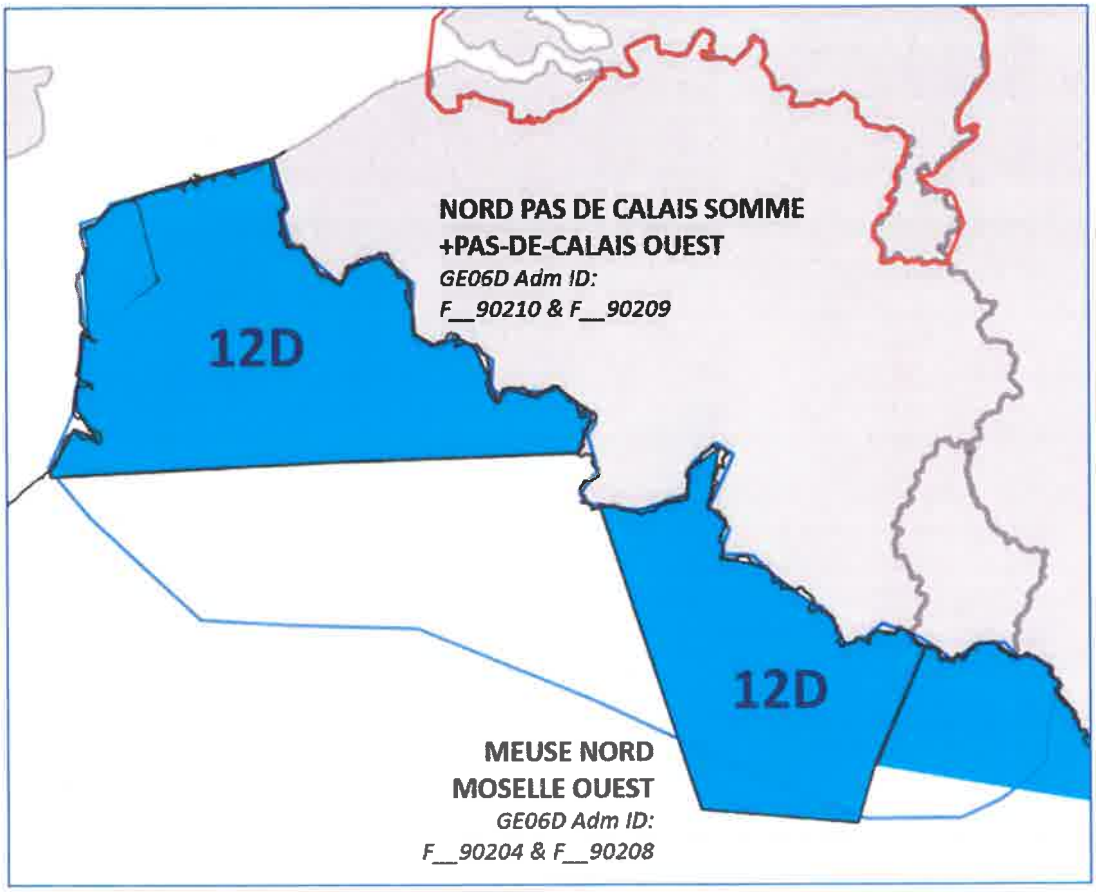


Block 11D



Block 12A

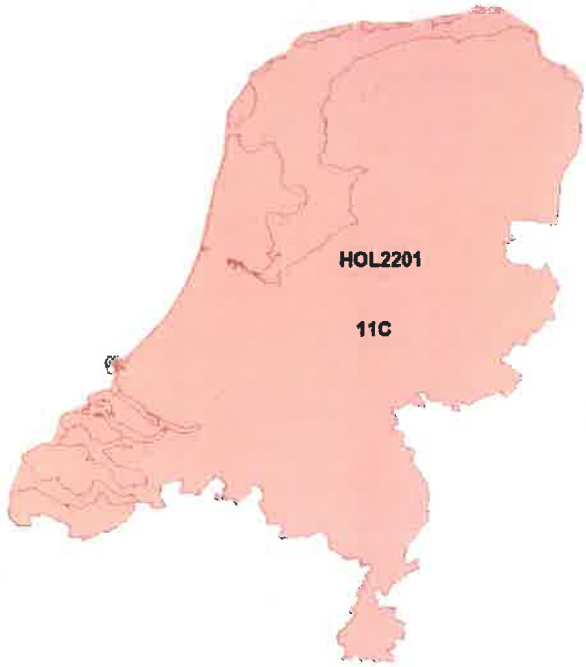
AF


NORD PAS DE CALAIS SOMME
+PAS-DE-CALAIS OUEST
GE06D Adm ID:
F__90210 & F__90209
12D
12D
MEUSE NORD
MOSELLE OUEST
GE06D Adm ID:
F__90204 & F__90208

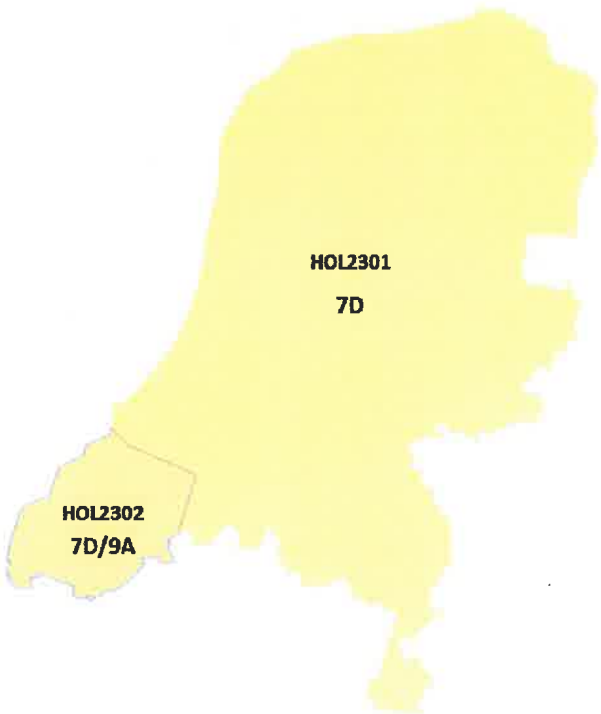
Block 12D

Annex 5 Allotment of the Netherlands

Layer 1
First national layer
(NPO - Public broadcasting)



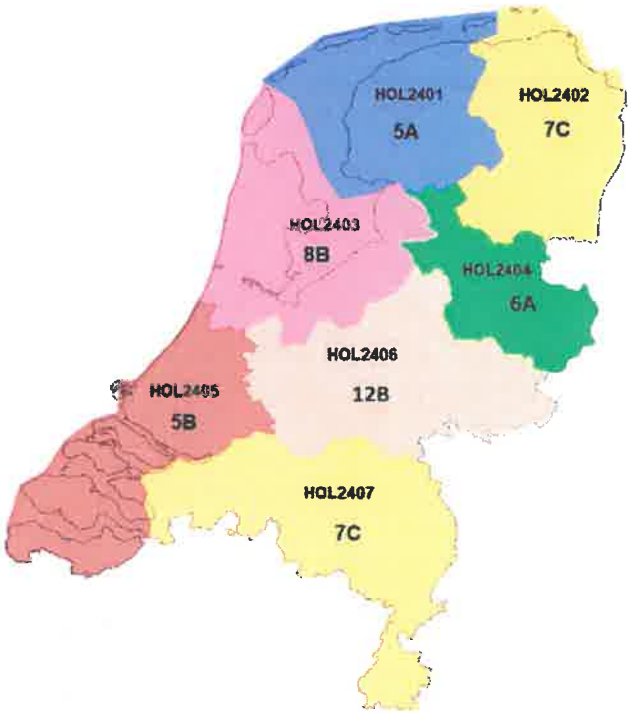
Layer 2
Second national layer
(VCR – Commercial broadcasting)



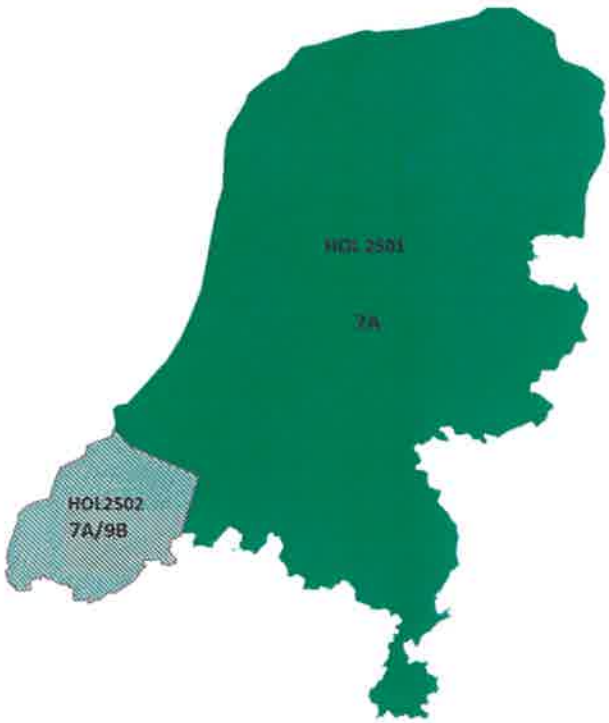
Layer 3
Third national layer
(MTVNL)

Layer 3 bis
Extra Randstad area allotment
(MTVNL)

)



Layer 4
Regional layer
(RPO/NLCO)



Layer 5
dedicated to PMSE
Not allocated to DAB+

Layer 7
Additional national layer
(VCR – Commercial broadcasting)

AF

Layer 6 – Local layer

The local allotments that are included in this agreement and displayed in the map above may change in the interest of further optimization of the Band III plan.

Maximum interference field strength of annex 3 will in any case be respected.

Attachments to the Agreement - detail of the allotments contour:

TerraSys-file with specific data

The Netherlands has provided the following Terrasys file with the complete detailed data of all the contours of the allotment in ITU format.

VHF_Layerplan
HOL.txt

France has provided the following Terrasys file with the complete detailed data of all the allotments:

F-HOL VHF
Agreement - French a

In addition, France has provided following .kml file which allows the visualization on Google Earth of all the relations inscribed in this Agreement:

F-HOL Agreement -
Detail of the relations.