

# Agreement between France, Germany and Switzerland Of the 5th of December 2011

The Administrations of France, Switzerland and Germany, considering

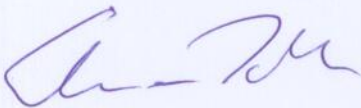


- A) That T-DAB has been relaunched in Germany on August 1<sup>st</sup>, 2011 with an intention to use block 5C as a national network instead of a combination of 5A and 5C,
- B) That France intends to plan for 2 layers of 4 contiguous blocks of 1.5 MHz bandwidth
- C) That Switzerland intends to extend its current T-DAB rights and to implement assignments inside its current use,
- D) That the Plan GE06 for VHF may have to be amended to meet additional or modified requirements appearing in the present decade,
- E) That the type of coverage envisaged by each Administration may require radiated power levels above those envisaged for existing frequency positions in the Plan GE06,
- F) That the principle of equitable access has to be applied to all uses of the frequency landscape along the common border,

agree

- A) That the 5C solution has been defined by the three administrations and is described in Annex A. The solution described in Annex A has been agreed with the view that a solution for the final situation would be found
- B) That the solution defined as described in Annex A can be taken to the GE06 plan, following the necessary procedure, but as a complete package only. In this respect, it should be noted that further discussions are required between France and Switzerland regarding the exact characteristics of the assignments and between France, Germany and Switzerland regarding the Swiss assignments.
- C) That administrations will continue the negotiations at bilateral or trilateral level in order to fulfil the requirements considered for the final situation
- D) That four agreed consecutive DAB blocks with the same ERP can also be aggregated and used as a single DVB channel with an ERP corresponding to the sum (in linear) of the ERP of each DAB block, i.e. ERP of one DAB block + 6 dB. Any other case of aggregation has to be discussed bilaterally.



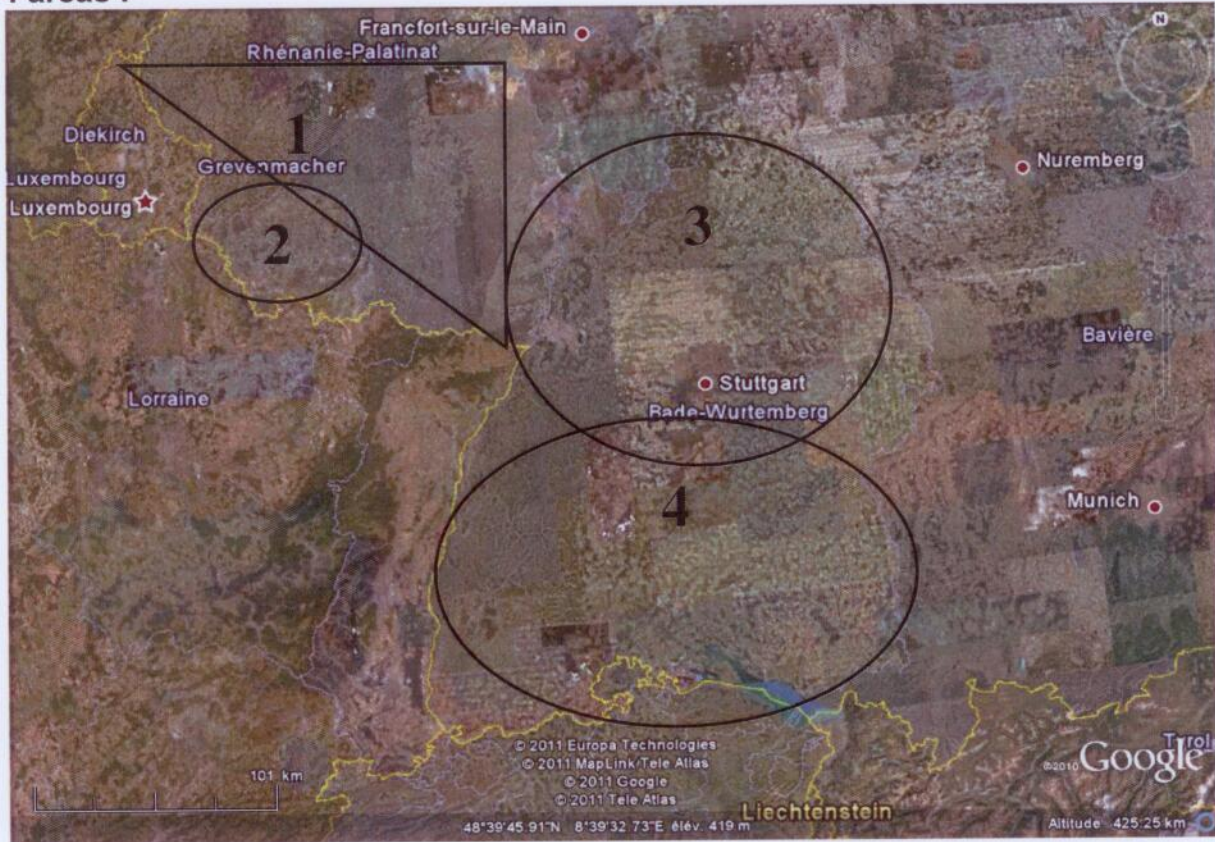
- E) That one agreed single DVB channel can also be divided in 4 consecutive DAB blocks with the same ERP corresponding to a quarter (in linear) of the ERP of the DVB channel, i.e. ERP of the DVB channel – 6 dB. Any other case of division has to be discussed bilaterally.
- F) That, with the consent of the other administrations, this Agreement may be revised at the request of one of the signatory administrations, where such a modification becomes necessary, in the light of administrative, regulatory or technical developments.
- G) That this Agreement has been concluded in English
- H) That one original version of this Agreement is handed over to each Signatory Administration.

For the administration of Germany	For the administration of Switzerland	For the administration of France
 Elmar Ziller	 Konrad Vonlanthen	Eric FOURNIER 



## Annex A : Solution for the 5C in Germany

4 areas :



- **Area 1 : Swap 1**

5C in RHEINLAND-PFALZ : swap 5C to 10D with French allotments  
 France and Germany will defined precisely the exact possibility to use channel 5C in France and 10D in Germany.

- **Area 2 : restore the equitable access**


5C in Saarland balanced by the addition of the following assignments in France

TX-Name	Ch.	ERP dBW	Longit.	Latit.	Patt	Ant.H.	Heffm.	Height	Subject to confirmation between F and SUI
BESANCON LOMONT	9A	40	006E36 24.000	47N21 32.000	ND	136	610	835	X
BESANCON LOMONT	9B	40	006E36 24.000	47N21 32.000	ND	136	610	835	X
BESANCON LOMONT	9C	40	006E36 24.000	47N21 32.000	ND	136	610	835	X
BESANCON LOMONT	9D	40	006E36 24.000	47N21 32.000	ND	136	610	835	X
BELFORT	6A	37	006E49 11.000	47N39 41.000	ND	44	318	630	X
BELFORT	6B	37	006E49 11.000	47N39 41.000	ND	44	318	630	X
BELFORT	6C	37	006E49 11.000	47N39 41.000	ND	44	318	630	X
BELFORT	6D	37	006E49	47N39	ND	44	318	630	X

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			11.000	41.000					
EPINAL	6A	33	006E28 00.000	48N09 26.000	ND	97	233	456	
EPINAL	6B	33	006E28 00.000	48N09 26.000	ND	97	233	456	
EPINAL	6C	33	006E28 00.000	48N09 26.000	ND	97	233	456	
EPINAL	6D	33	006E28 00.000	48N09 26.000	ND	97	233	456	
FORBACH	6A	33	006E55 49.000	49N11 10.000	ND	75	221	382	
FORBACH	6B	33	006E55 49.000	49N11 10.000	ND	75	221	382	
FORBACH	6C	33	006E55 49.000	49N11 10.000	ND	75	221	382	
FORBACH	6D	33	006E55 49.000	49N11 10.000	ND	75	221	382	
LONGWY	8A	33	005E47 06.000	49N31 21.000	ND	100	194	375	
LONGWY	8B	33	005E47 06.000	49N31 21.000	ND	100	194	375	
LONGWY	8C	33	005E47 06.000	49N31 21.000	ND	100	194	375	
LONGWY	8D	33	005E47 06.000	49N31 21.000	ND	100	194	375	
METZ	8A	40	006E18 54.000	49N16 33.000	ND	230	332	278	
METZ	8B	40	006E18 54.000	49N16 33.000	ND	230	332	278	
METZ	8C	40	006E18 54.000	49N16 33.000	ND	230	332	278	
METZ	8D	40	006E18 54.000	49N16 33.000	ND	230	332	278	
MULHOUSE	6A	40	007E20 58.000	47N43 49.000	ND	186	283	323	X
MULHOUSE	6B	40	007E20 58.000	47N43 49.000	ND	186	283	323	X
MULHOUSE	6C	40	007E20 58.000	47N43 49.000	ND	186	283	323	X
MULHOUSE	6D	40	007E20 58.000	47N43 49.000	ND	186	283	323	X
NANCY	8A	40*	006E12 17.000	48N43 09.000	ND	206	351	367	
NANCY	8B	40*	006E12 17.000	48N43 09.000	ND	206	351	367	
NANCY	8C	40*	006E12 17.000	48N43 09.000	ND	206	351	367	
NANCY	8D	40*	006E12 17.000	48N43 09.000	ND	206	351	367	
SARREBOURG	6A	40*	007E09 41.000	48N30 37.000	ND	80	724	967	X
SARREBOURG	6B	40*	007E09 41.000	48N30 37.000	ND	80	724	967	X
SARREBOURG	6C	40*	007E09 41.000	48N30 37.000	ND	80	724	967	X
SARREBOURG	6D	40*	007E09 41.000	48N30 37.000	ND	80	724	967	X

BT  
 MV



STRASBOURG-NORDHEIM	6A	40	007E29 18.000	48N38 27.000	ND	260	473	372	X
STRASBOURG-NORDHEIM	6B	40	007E29 18.000	48N38 27.000	ND	260	473	372	X
STRASBOURG-NORDHEIM	6C	40	007E29 18.000	48N38 27.000	ND	260	473	372	X
STRASBOURG-NORDHEIM	6D	40	007E29 18.000	48N38 27.000	ND	260	473	372	X
STRASBOURG-PORT-DU-RHIN	6A	40	007E47 46.000	48N35 13.000	ND	90	97	137	X
STRASBOURG-PORT-DU-RHIN	6B	40	007E47 46.000	48N35 13.000	ND	90	97	137	X
STRASBOURG-PORT-DU-RHIN	6C	40	007E47 46.000	48N35 13.000	ND	90	97	137	X
STRASBOURG-PORT-DU-RHIN	6D	40	007E47 46.000	48N35 13.000	ND	90	97	137	X
VERDUN	8A	43	005E10 17.000	49N16 22.000	ND	189	284	301	
VERDUN	8B	43	005E10 17.000	49N16 22.000	ND	189	284	301	
VERDUN	8C	43	005E10 17.000	49N16 22.000	ND	189	284	301	
VERDUN	8D	43	005E10 17.000	49N16 22.000	ND	189	284	301	
VITTEL	6A	43	006E00 41.000	48N09 48.000	ND	191	335	453	X
VITTEL	6B	43	006E00 41.000	48N09 48.000	ND	191	335	453	X
VITTEL	6C	43	006E00 41.000	48N09 48.000	ND	191	335	453	X
VITTEL	6D	43	006E00 41.000	48N09 48.000	ND	191	335	453	X
WISSEMBOURG	6A	33	007E53 01.000	49N01 21.000	ND	80	404	480	
WISSEMBOURG	6B	33	007E53 01.000	49N01 21.000	ND	80	404	480	
WISSEMBOURG	6C	33	007E53 01.000	49N01 21.000	ND	80	404	480	
WISSEMBOURG	6D	33	007E53 01.000	49N01 21.000	ND	80	404	480	

\* An increase of the power up to 43 dBW is preliminary acceptable but some measurements should be done in order to confirm this possibility

- **Area 3 : Swap 2**

5C in BADEN-WUERTTEMBERG-NORD: swap from 5A (KARLSRUHE-MANNHEIM) to 5C

The eastern part of bade wuttenberg can not be opposed to any extension of the neighbouring countries



- **Area 4 : swap 3**

5C in BADEN-WUERTTEMBERG-SUED : swap 5C with 8B in the allotments of Basel and Bern  
Berner Oberland will be swapped from 8B to 8D

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KV