



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Office fédéral de la communication OFCOM



## Agreement between the Administrations of Switzerland and France concerning frequency co-ordination of Digital Sound Broadcasting (DAB+) in the band 174 - 230 MHz

### 1. Introduction

This agreement describes coordinated assignments and allotments in the Coordination zone between France and Switzerland, that can be operated and registered to the GE06 Plan.

The “Agreement on supplementary conditions to be observed at the stage of implementation of allotment contained in the digital plan of the GE06 Agreement as of the 16<sup>th</sup> of June 2006 between France and Switzerland remains in force.

The “Agreement between France, Germany and Switzerland of the 5<sup>th</sup> of December 2011” is no longer applicable between France and Switzerland, as relevant parts have been adopted in this one.

### 2. Coordination zone

The Coordination zone between France and Switzerland is described in Annex 1.

This Agreement describes the new rights in the Coordination zone in terms of assignments and allotments between Switzerland and France for the implementation of the Digital Sound Broadcasting (DAB+) plan within the band 174-230 MHz.

### 3. Allotments

New or modified Allotments (block or shape) in relation to GE06, accepted by France and Switzerland, are described block by block in Annex 2.

Existing allotments registered in the GE06 Plan and listed in Annex 4 shall no longer be used nor claim protection.

### 4. Assignments

France and Switzerland agree on the assignments as described in Annex 3.

Existing Assignments registered in the GE06 Plan and listed in Annex 4 shall no longer be used nor claim protection. France and Switzerland agree that any additional assignments in the Coordination zone that are not listed in Annex 3 must be coordinated.

The request of coordination for additional assignments within an allotment listed in Annex 2 should be usually agreed, if the cumulative interfering field strength does not exceed  $E_{\text{threshold}}$  as described in Table 1 of Annex 1 of the “Agreement on supplementary conditions to be observed at the stage of implementation of allotments contained in the digital plan of the GE06 Agreement as of the 16<sup>th</sup> of June 2006” at each calculation point in the allotment area(s) of the co-block allotment(s) of the other administration.

Assignments outside the coordination are considered as agreed and can be registered to the GE06 Plan mentioning the agreement of the other Administration [<sup>1</sup>].

**5. Compatibility assessment methodology**

The methodology agreed to achieve the results can be found in annex 5.

**6. Review of the Agreement**

With the consent of the other Administration, this Agreement may be modified at the request of one of the signatory Administration where such a modification becomes necessary in the light of administrative, regulatory or technical developments. An Administration cannot withdraw unilaterally from this Agreement.

**7. Language of the Agreement**

The original language of this agreement is English.

**8. Entry into force**

This Agreement will enter into force on the date of the signature.

Done in Maisons-Alfort, 6 May 2024

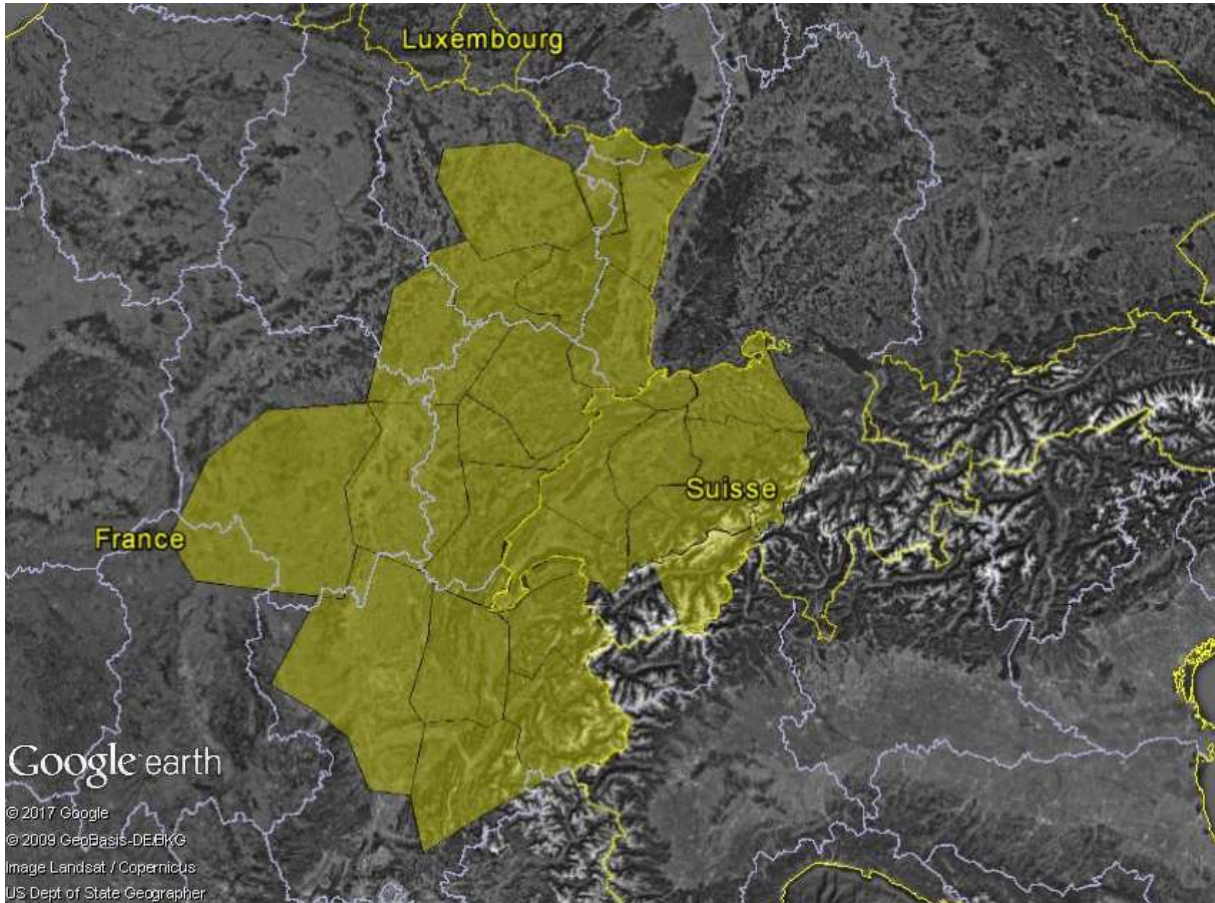
For France Pierre FICHOUX/ANFR	For Switzerland Konrad VONLANTHEN/OFCOM

1 Final Acts of the RRC-06, Geneva 15 May – 16 June 2006, Articles 4.1.2.5 and 4.1.2.9



## Annex 1 – Coordination zone between France and Switzerland





F-SUI Coordination  
zone.kml





**Annex 2 – Agreed allotments between France and Switzerland (in the Coordination zone)**

 F GS2 GA1.txt	 SUI GS2 GA1.txt
For France	For Switzerland

**Annex 3 – Agreed assignments between France and Switzerland**

 F GS1.txt	 SUI GS1.txt
For France	For Switzerland

**Annex 4 – Withdrawn entries to the GE06 Plan**

 F TB5.txt	 SUI TB5.txt
For France	For Switzerland

## **Annex 5 – Compatibility assessment methodology**

### *Coordination process for new or modified assignments*

The compatibility assessment methodology consists in the following 5 steps:

- Step 1: Coordination zone
  - Assignments outside the Coordination zone are considered as agreed and can be registered to the GE06 Plan mentioning the agreement of the other Administration.
  - Assignments inside the Coordination zone are processed through the following steps 2 to 5.
- Step 2: Allotment
  - Assignments are within co-block allotments. Assignments outside the co-block allotment boundary and sharing the same block, may be accepted in individual cases up to a distance of 20 km.
- Step 3: Threshold level (max. allowable interference level)
  - See the “Agreement on supplementary conditions to be observed at the stage of implementation of allotment contained in the digital plan of the GE06 Agreement as of the 16th of June 2006” between France and Switzerland
- Step 4: C/I calculation
  - (1) Coverage Reserve (C/I) network analyses for all domestic, wanted and interfering assignments
  - (2) Coverage Reserve (C/I) network analysis for wanted assignments against all interferers
  - (3) Coverage Reserve difference (1) vs. (2)
- Step 5: Other elements for case-by-case negotiation, including but not limited to interfered population

#### C/ I Calculation Method (incl. Power Sum calculation)

The C/I calculation (step 4 above) can be applied during the coordination process, if real or notional assignment data is available.

The requesting Administration can decide whether the results of step 3 or steps 4-5 are relevant for a given SFN (i.e., service area and/or given allotment, including previously coordinated assignments). Results of step 3 and 4-5 cannot be mixed.

#### Propagation model and power Sum Method

Unless otherwise stated, the field strength prediction model to be used to calculate the cumulative field strength is Rec. ITU-R P.526 or IRT2D Version 2007. The pixel resolution is 100 m and the power sum method given in Annex 4 Section II of the GE06 Agreement, part 3.1 (“Field strength calculations”) is applied.