

# RFC Rhine-Alpine

## Graphical overview on ERTMS Deployment

Annex 1 to ERTMS Deployment overview



Date of issue: 07.12.2023

(update of information for Germany from 21.05.2024 + update of  
information of Belgium on 27.05.2024)

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# ERTMS deployment overview for RFC Rhine-Alpine

Status May 2024 (regular updates available in [CIP](#) under: Information Documents/ Other Information Documents/ RFC Rhine-Alpine/ ERTMS Deployment)

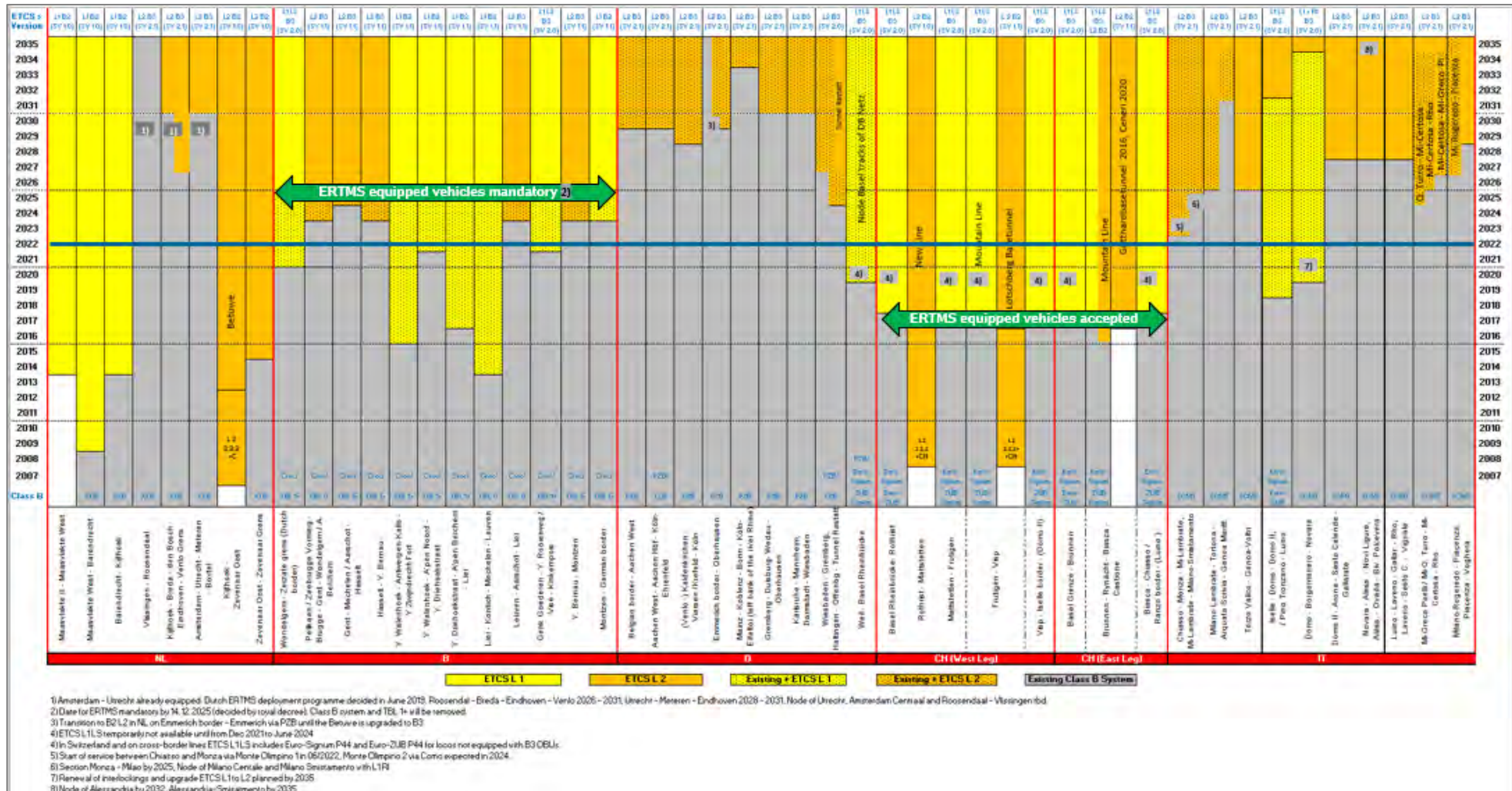


Figure 1 ERTMS Deployment Overview RFC RALP

# ETCS deployment progress

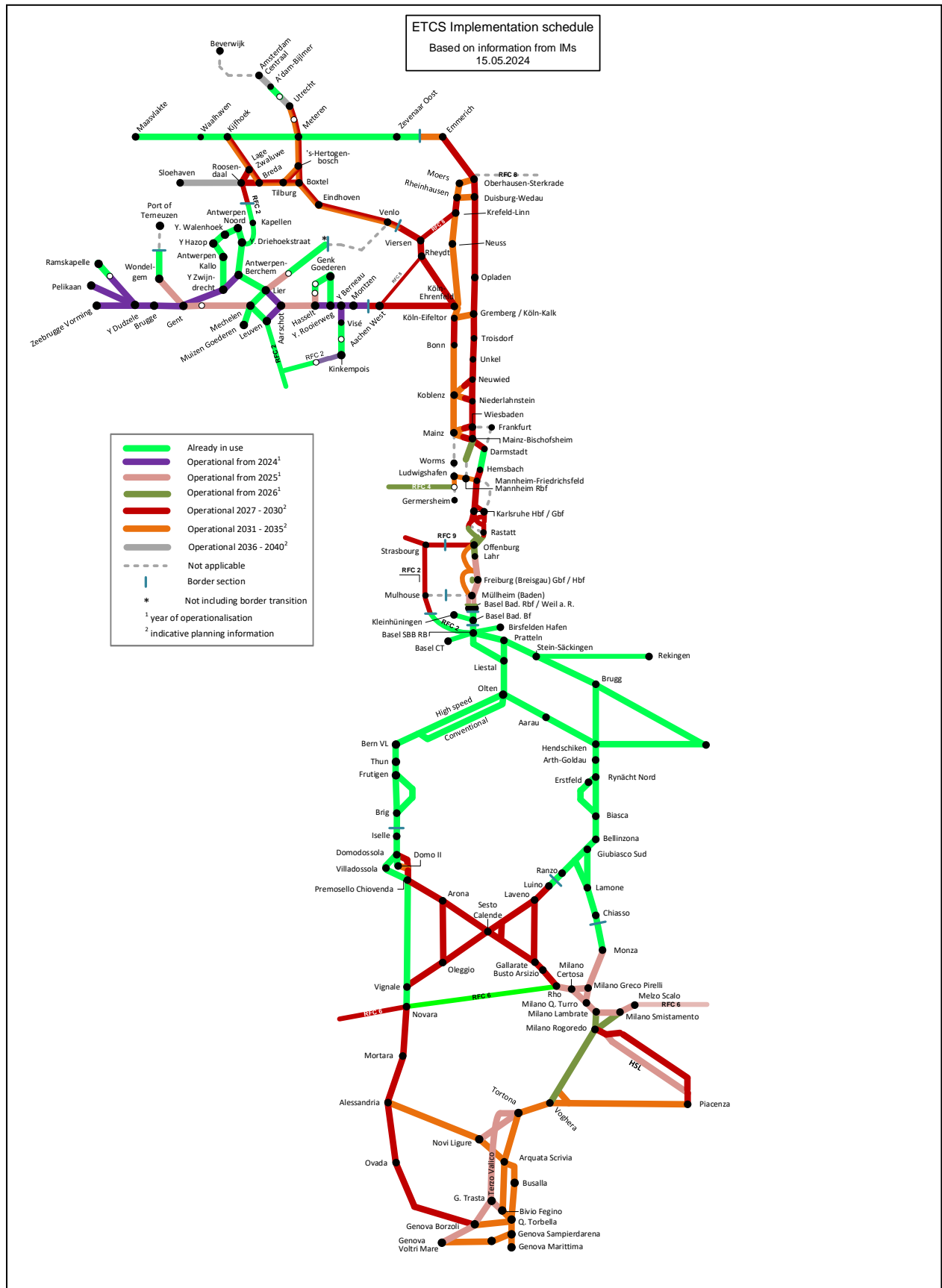


Figure 2 ETCS deployment progress

# ETCS operational in 2024

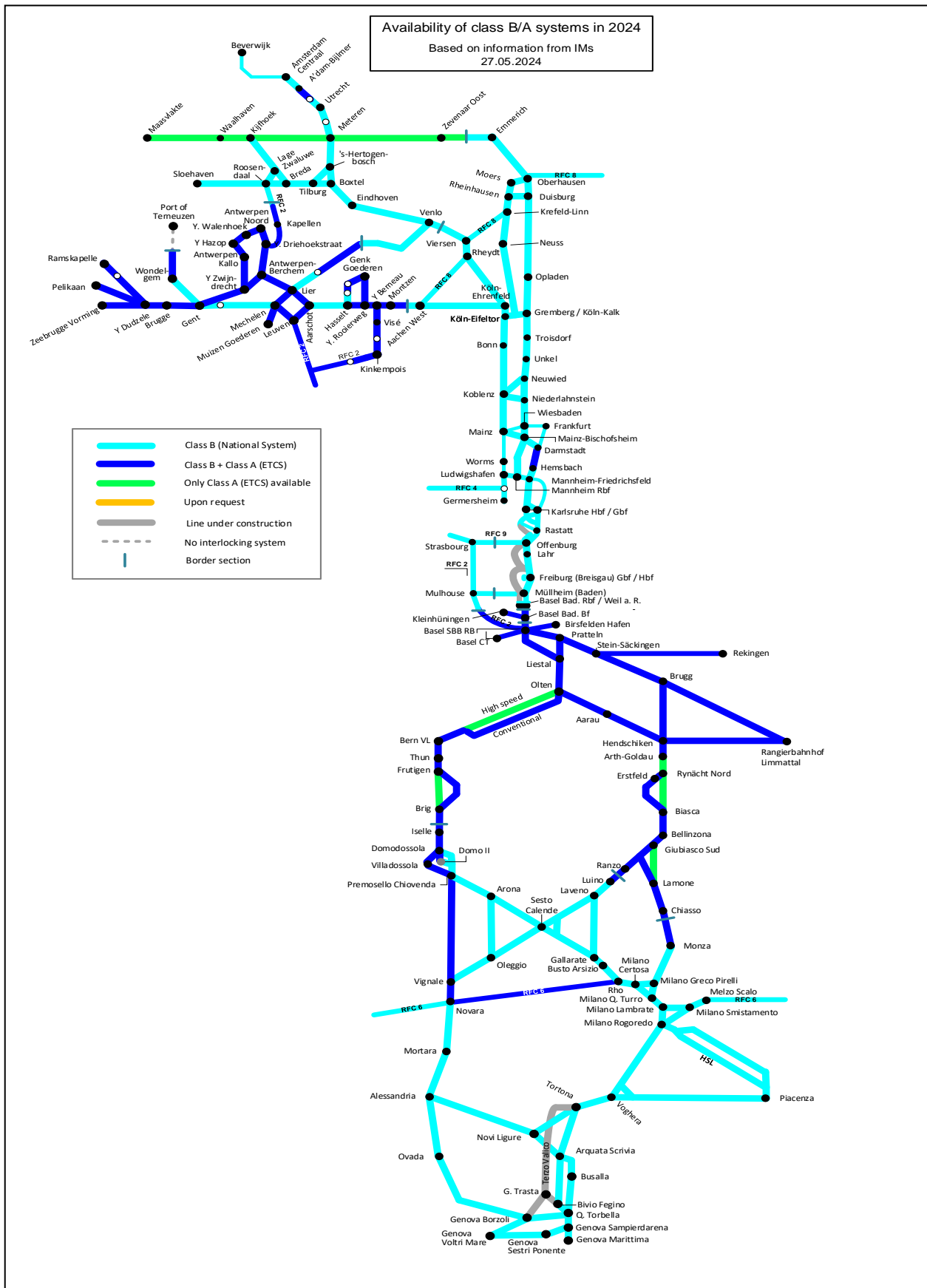


Figure 3 ETCS operational in 2024

# ETCS operational in 2026

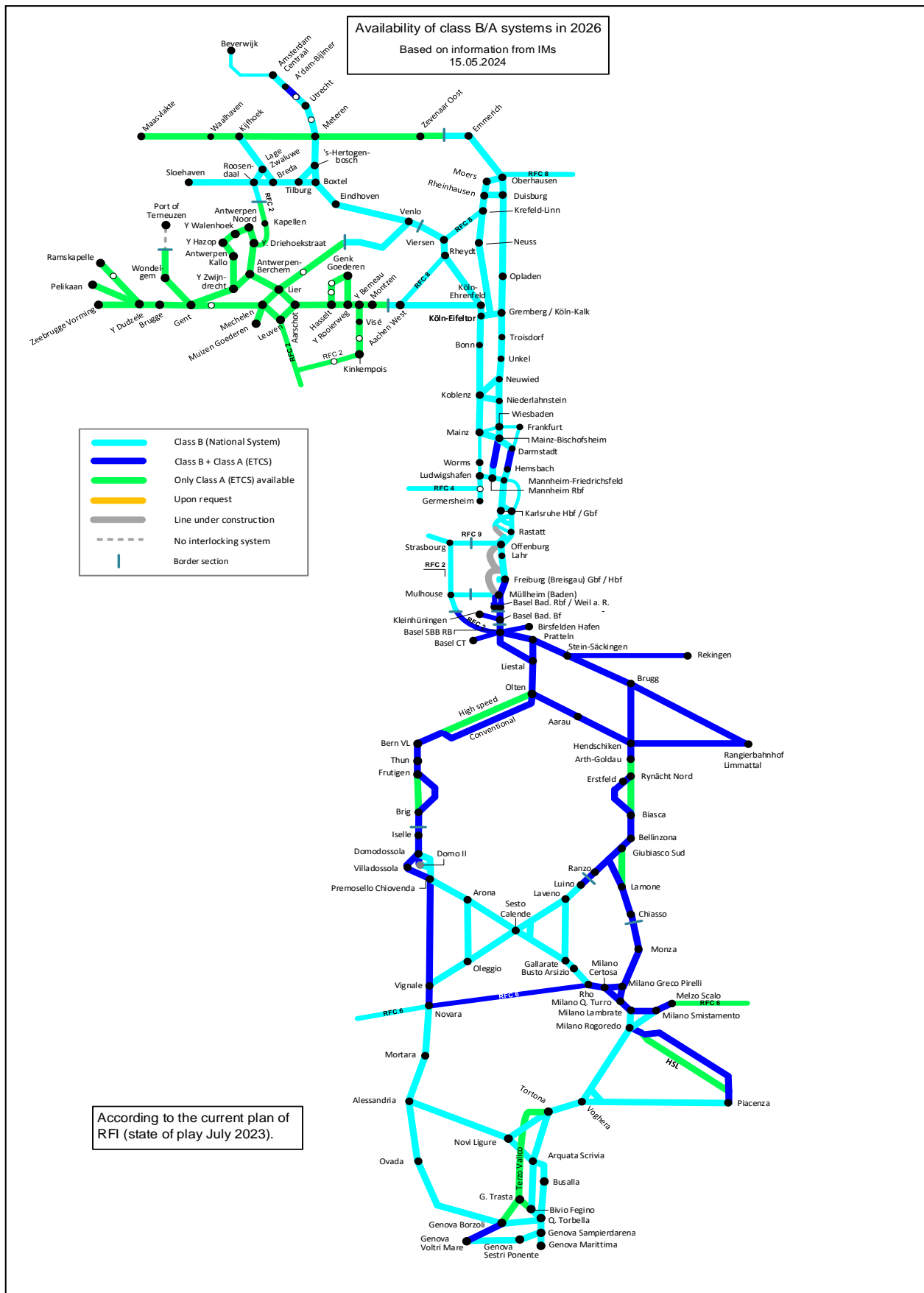


Figure 4 ETCS operational in 2026

# ETCS operational in 2029

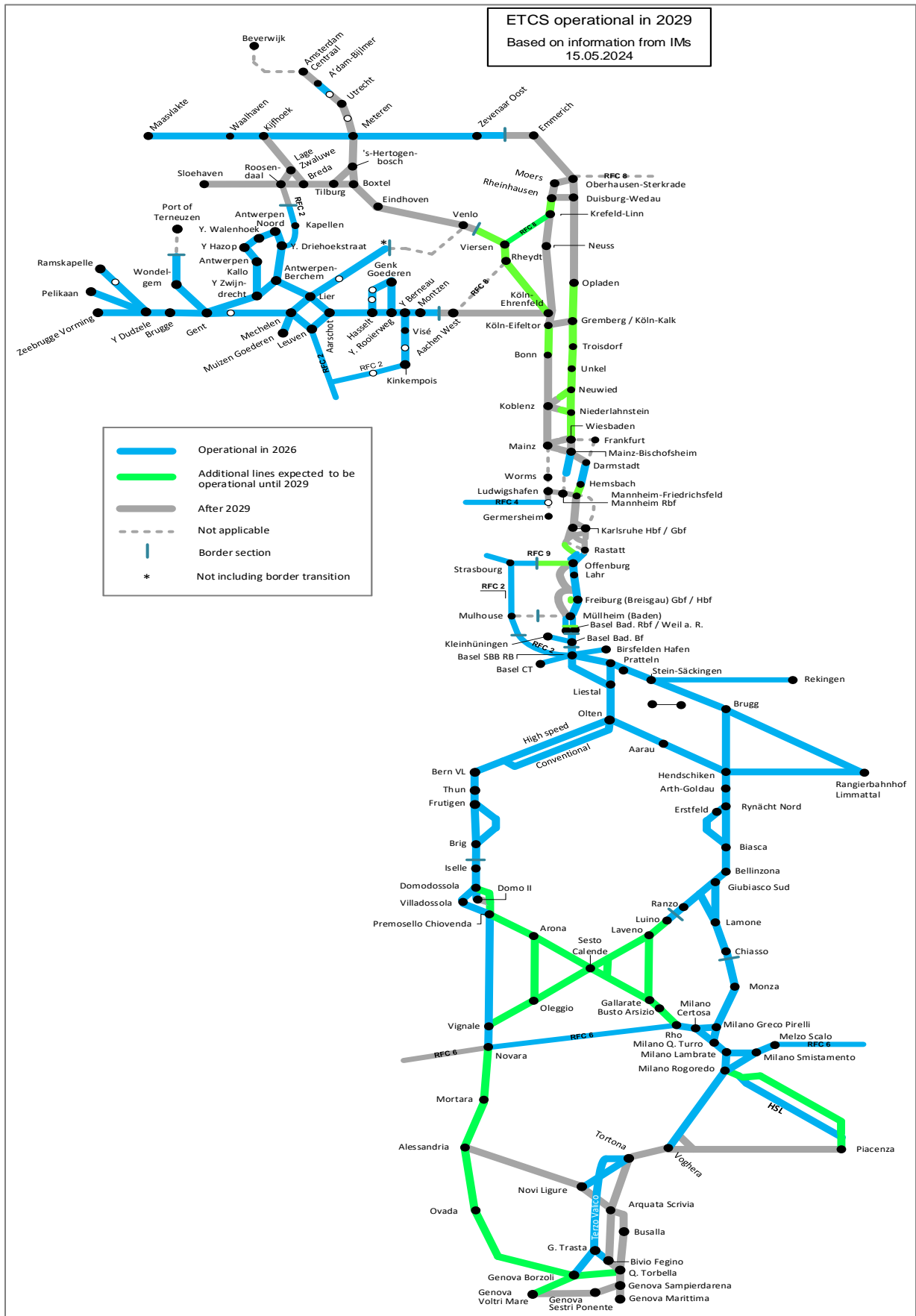


Figure 5 ETCS operational in 2029





# ETCS deployment after 2032

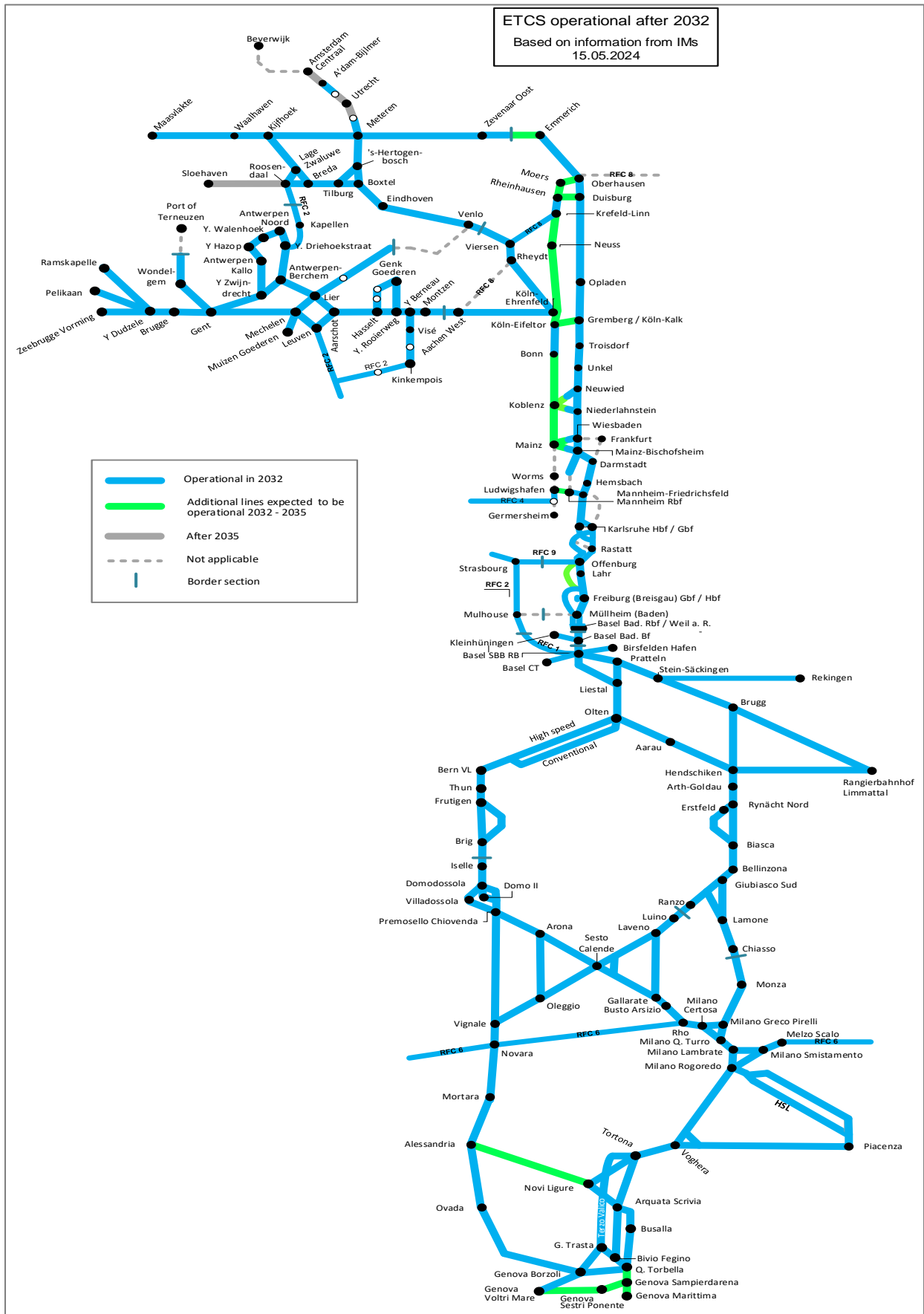


Figure 7 ETCS deployment after 2032

# ETCS deployment type

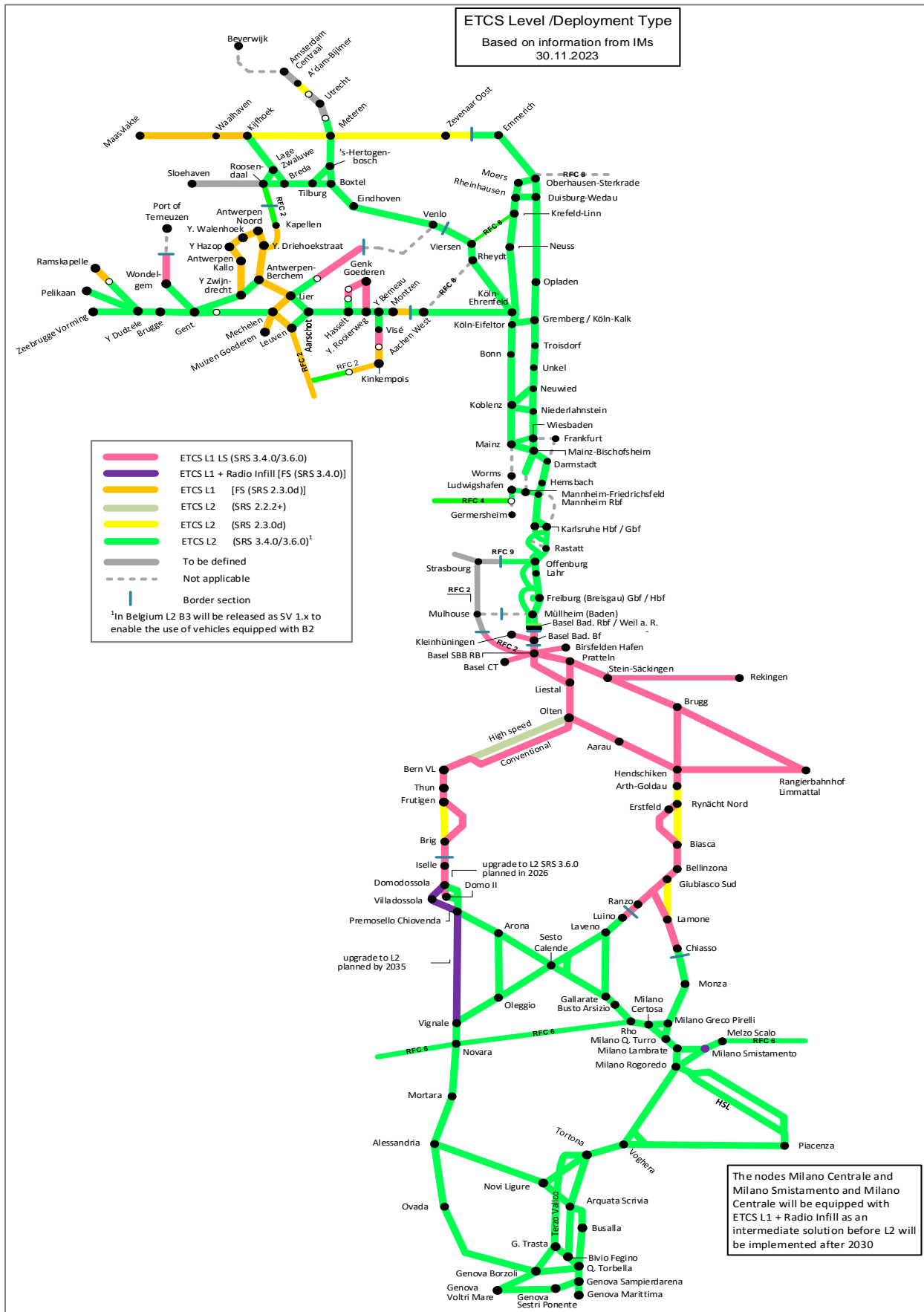


Figure 8 ETCS deployment type



# Radio System 2024

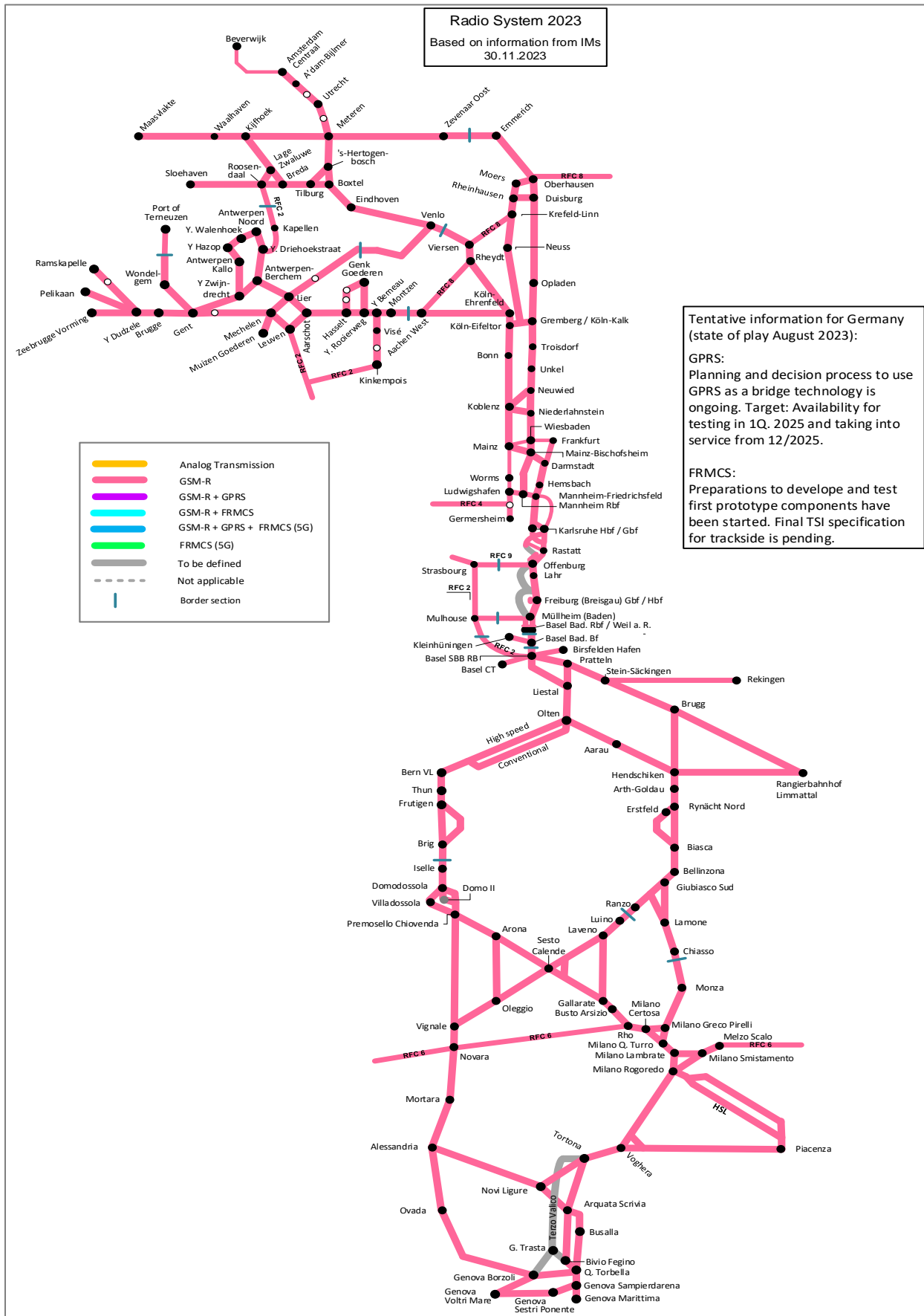


Figure 10 Radio System 2024

# Radio System 2026

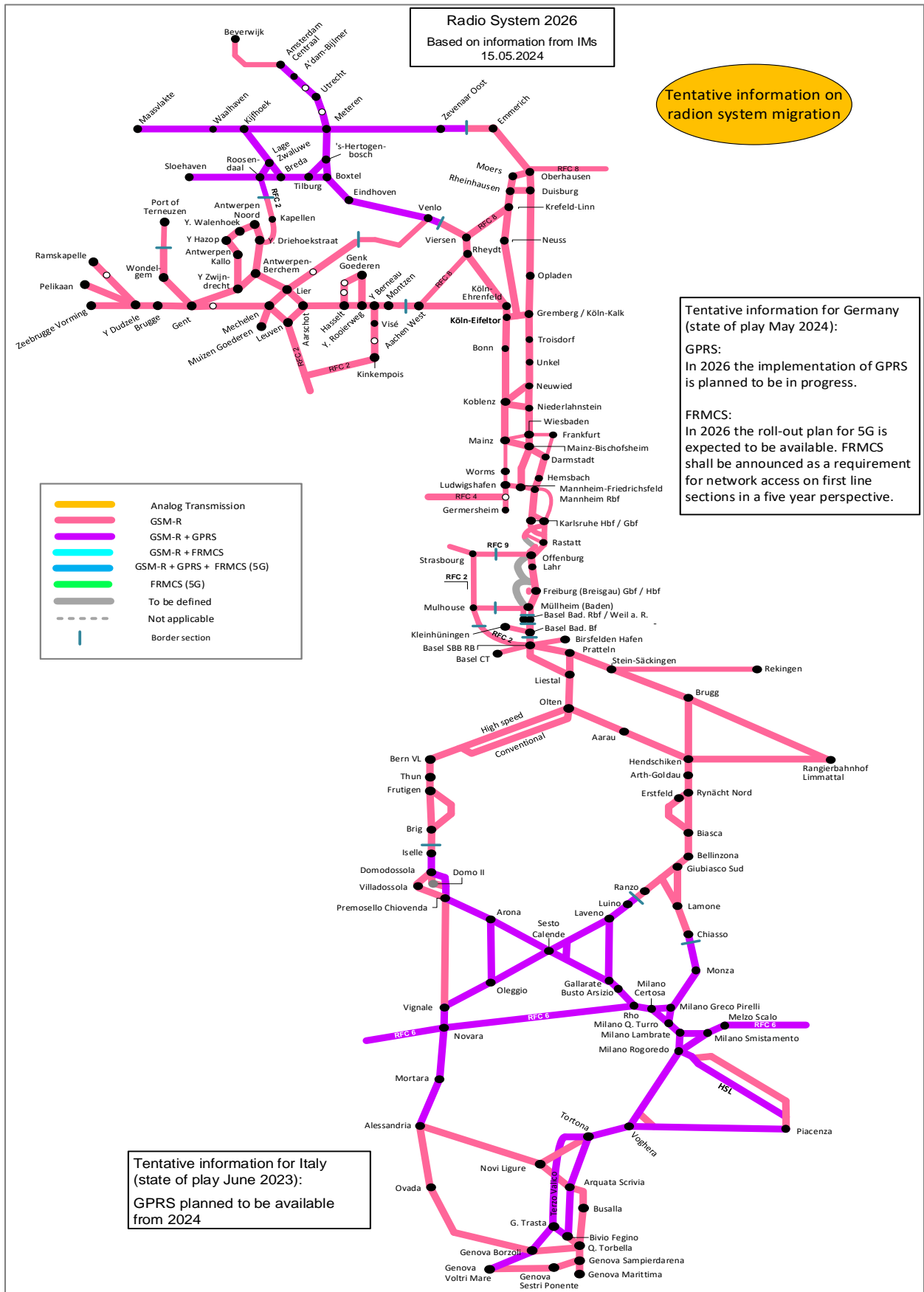


Figure 11 Radio System 2026

# Radio System 2029

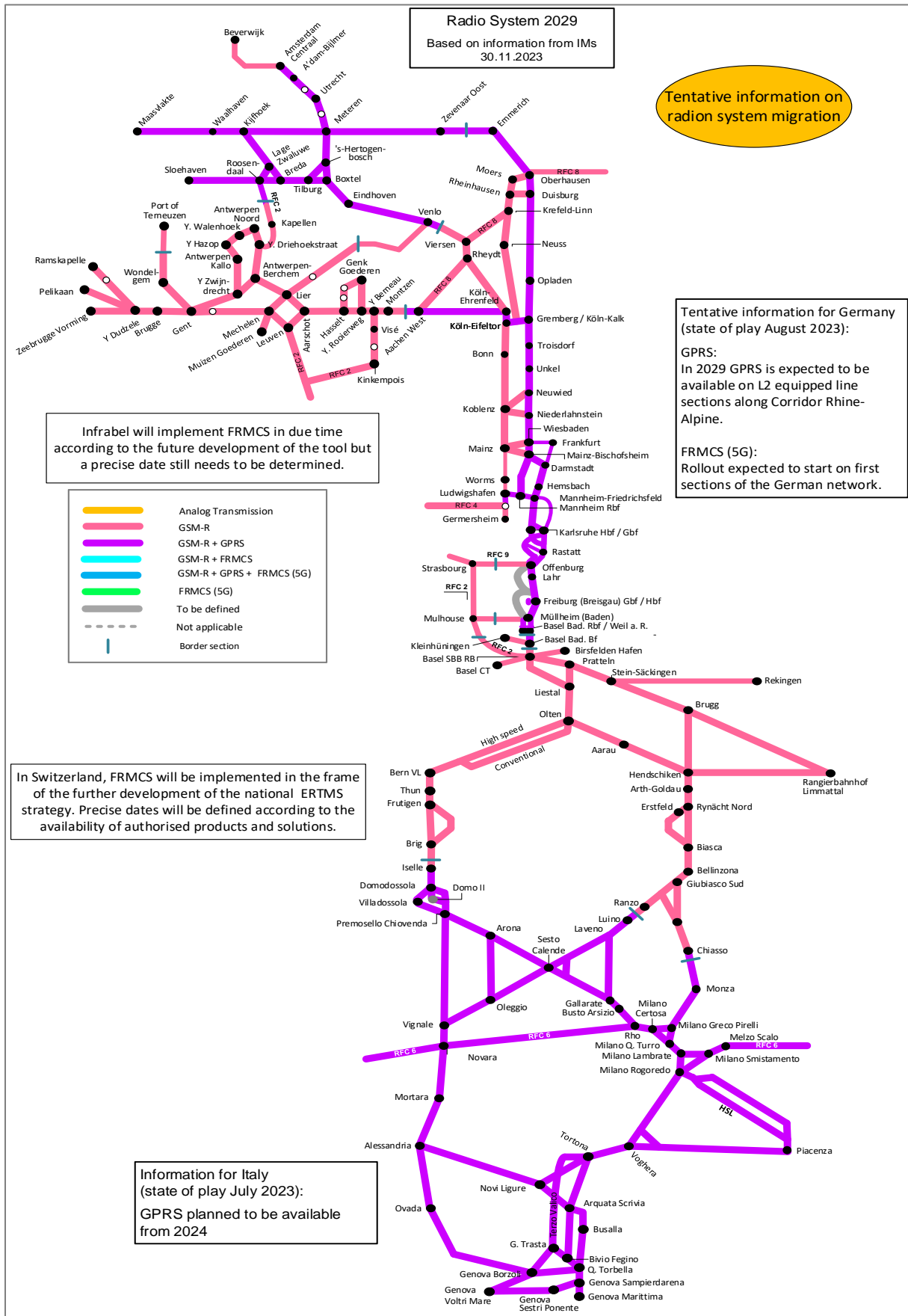


Figure 12 Radio System 2029

# Radio System 2032

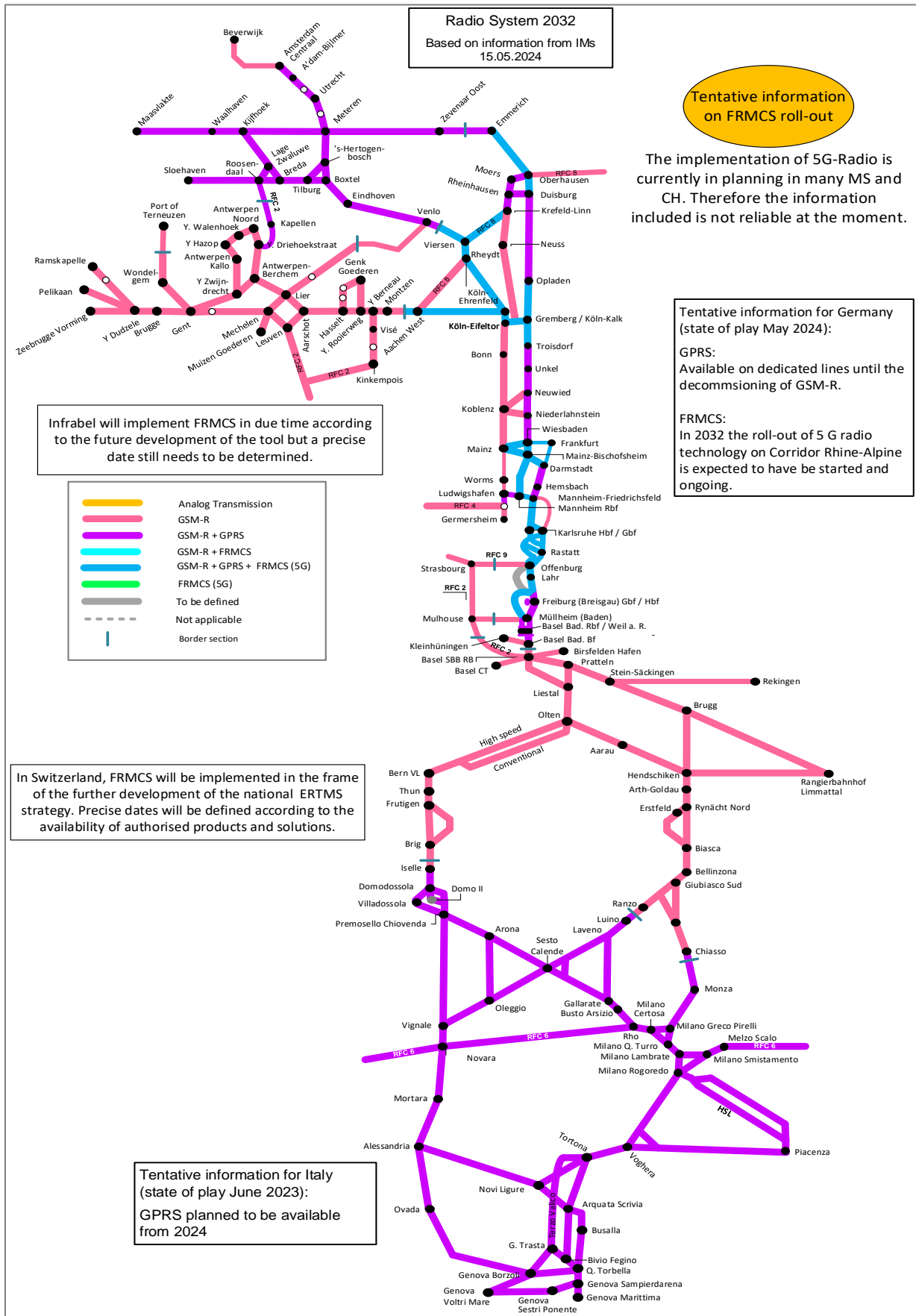


Figure 13 Radio System 2032

# Availability of Class B/A systems 2024

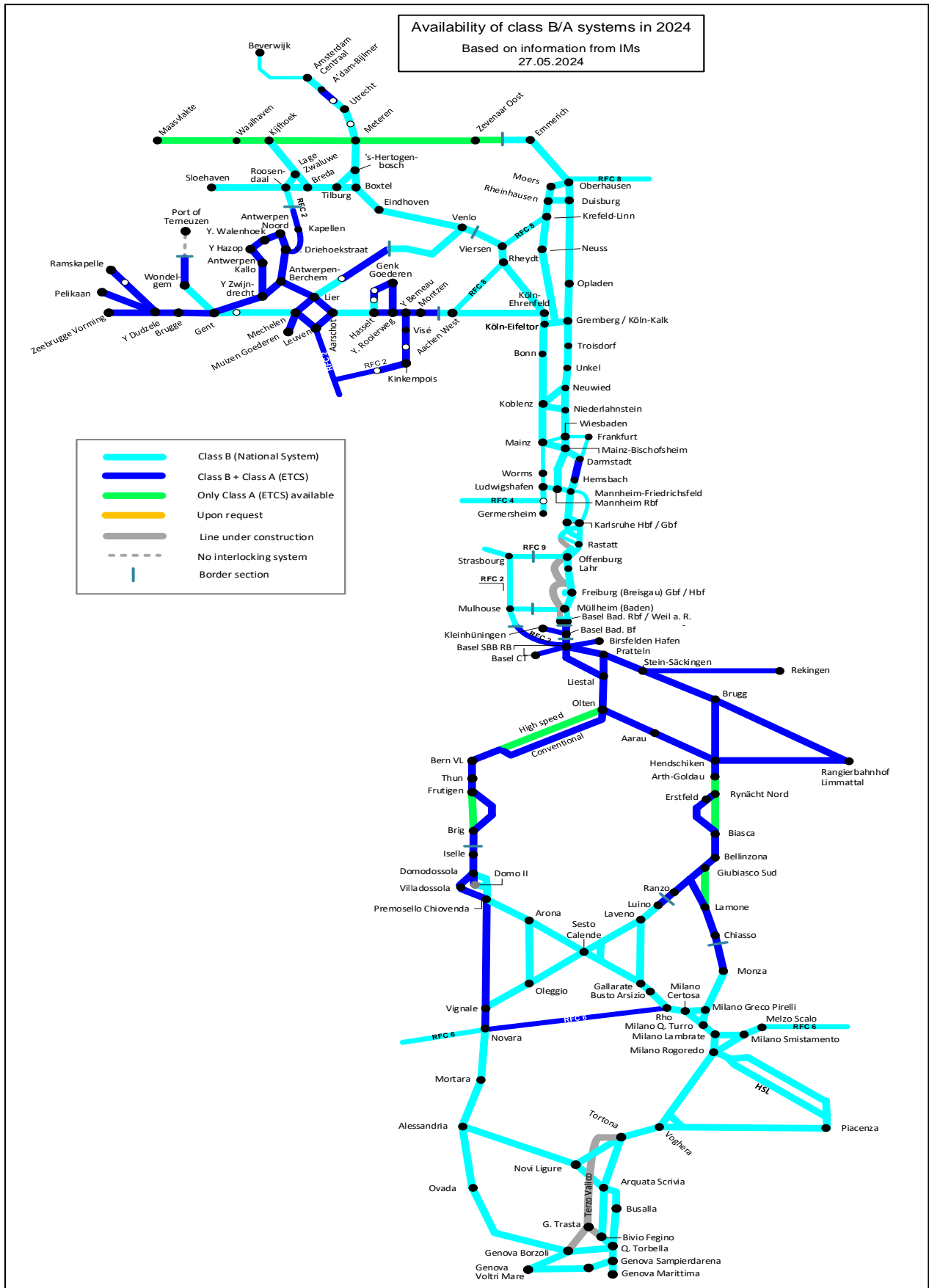


Figure 14 Availability Class B/A systems 2024



# Availability of Class B/A systems 2026

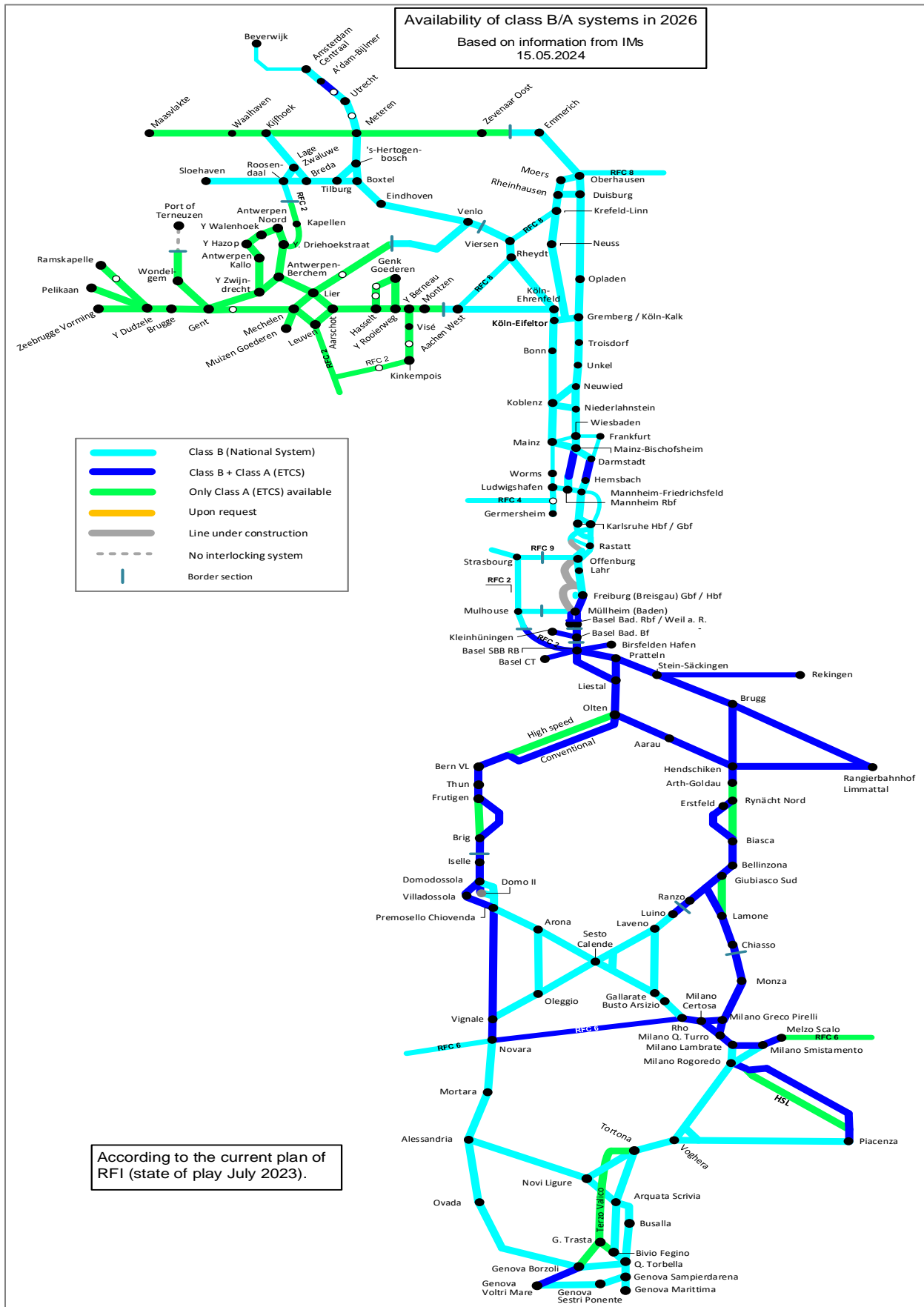


Figure 15 Availability Class B/A systems 2026

# Availability of Class B/A systems 2029

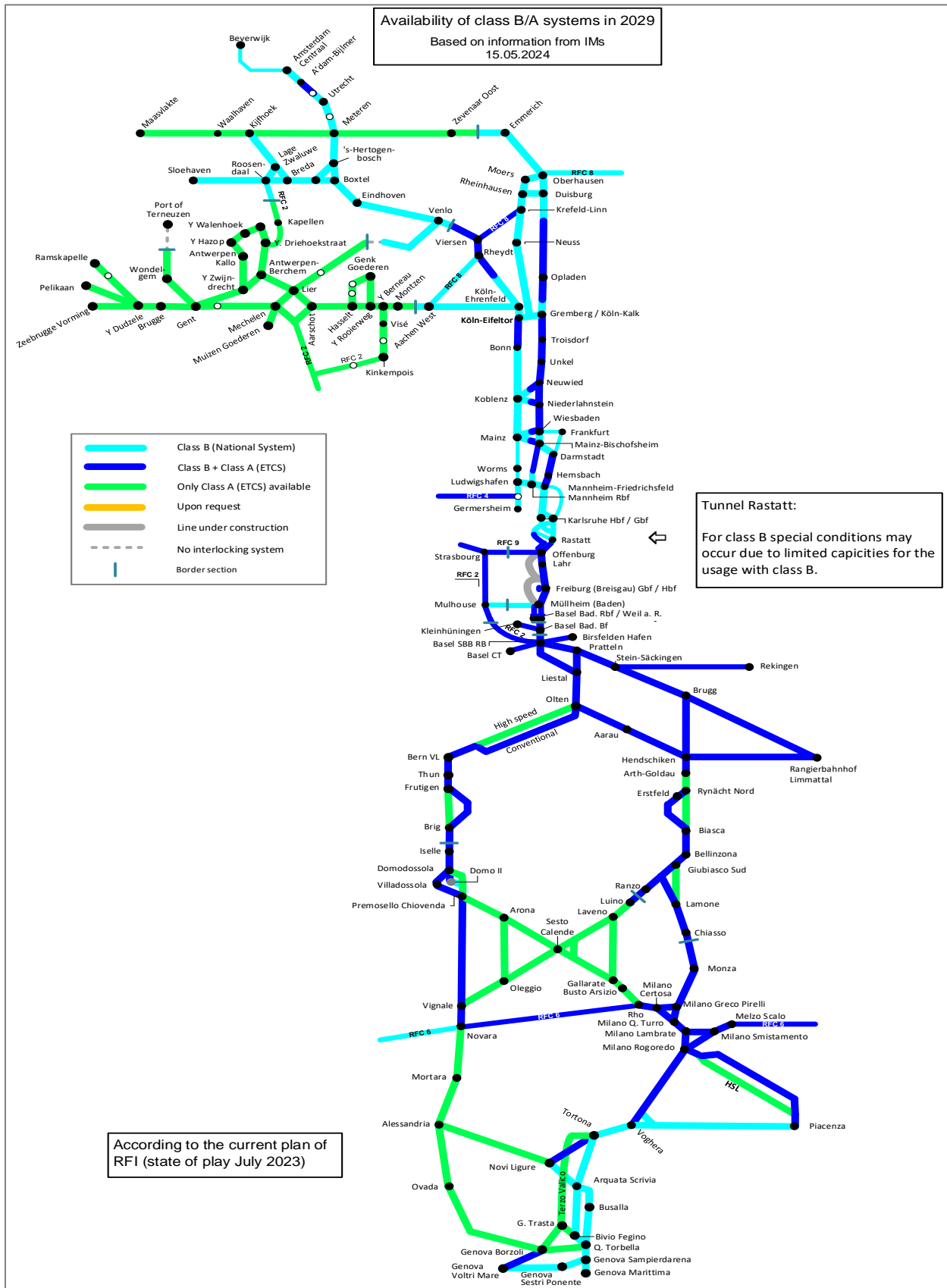
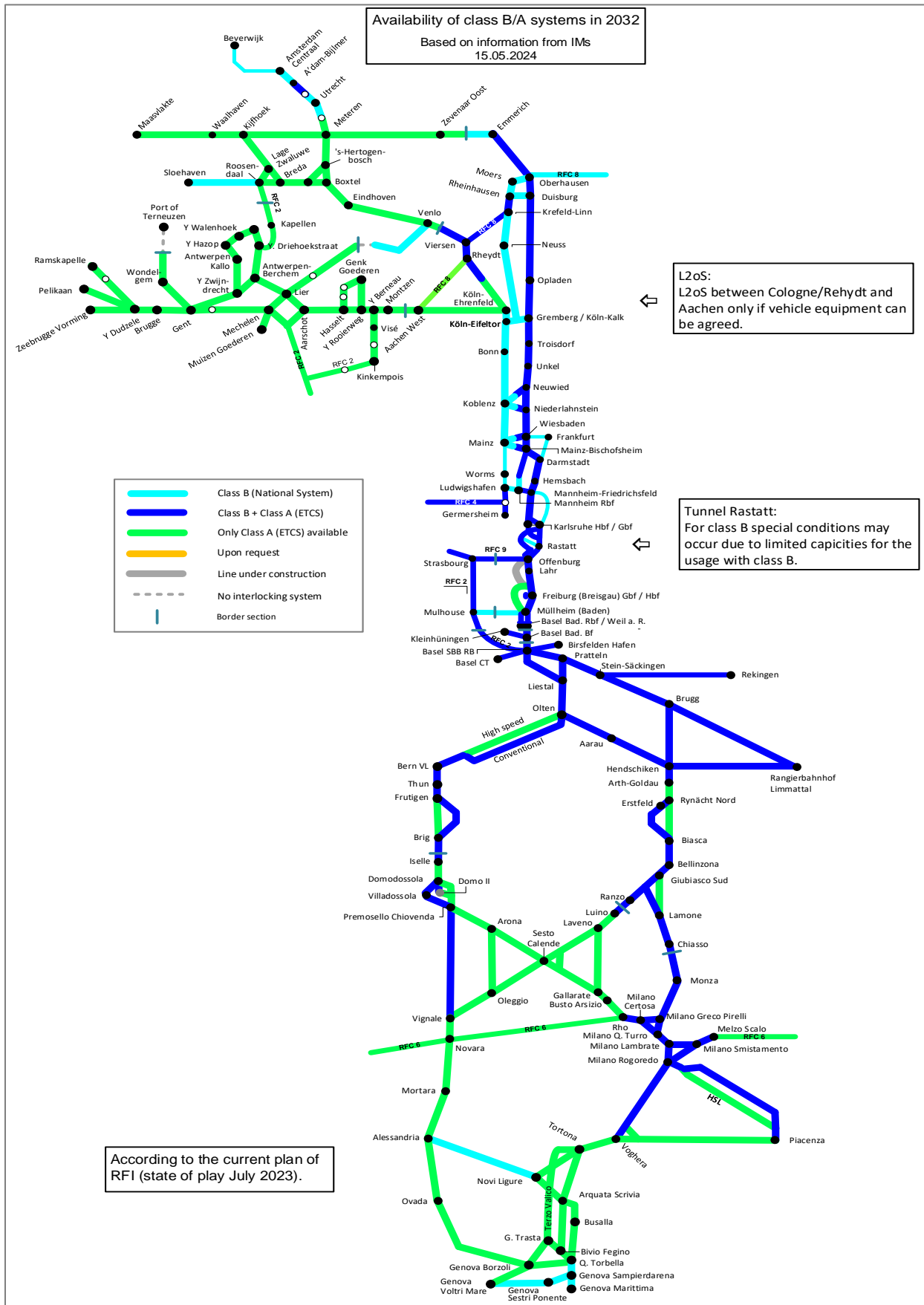


Figure 16 Availability Class B/A systems 2029

# Availability of Class B/A systems 2032



## Cross-border installations

### Directions for understanding the maps of the cross-border sections

#### Example Ranzo – Luino

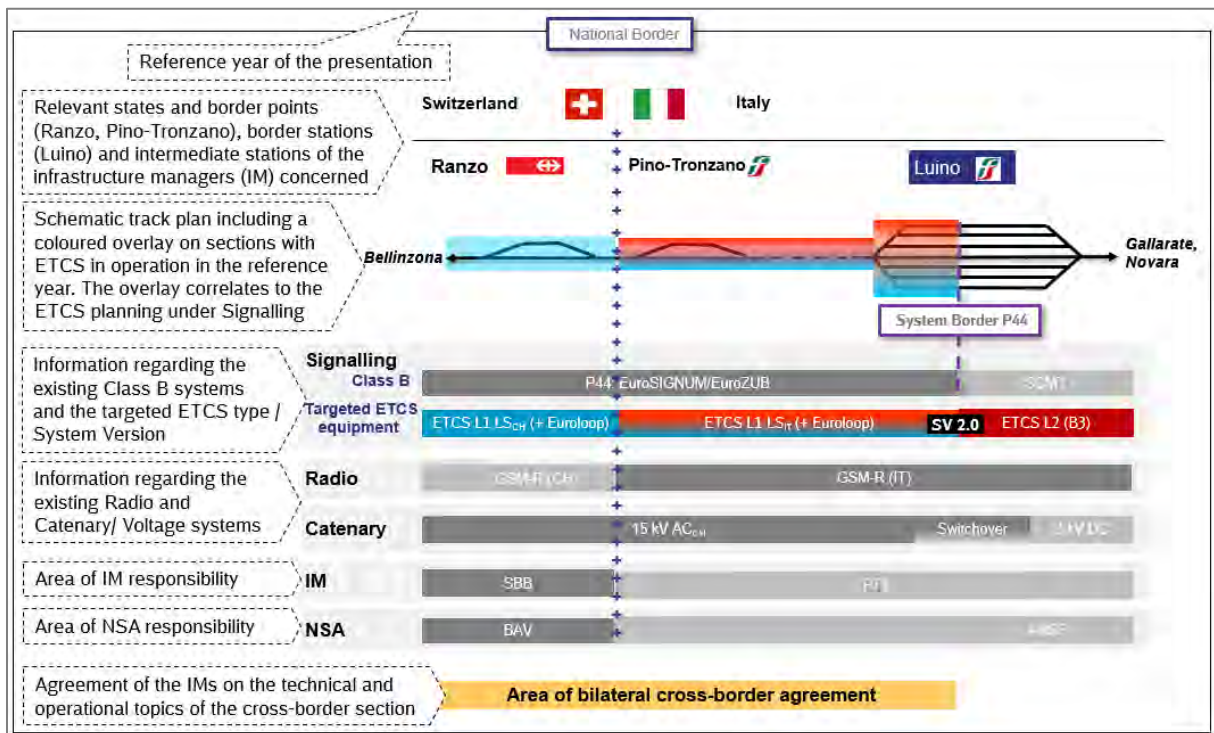


Figure 18 Directions for understanding the maps of the cross-border sections

## Zevenaar Oost – Emmerich (2024)

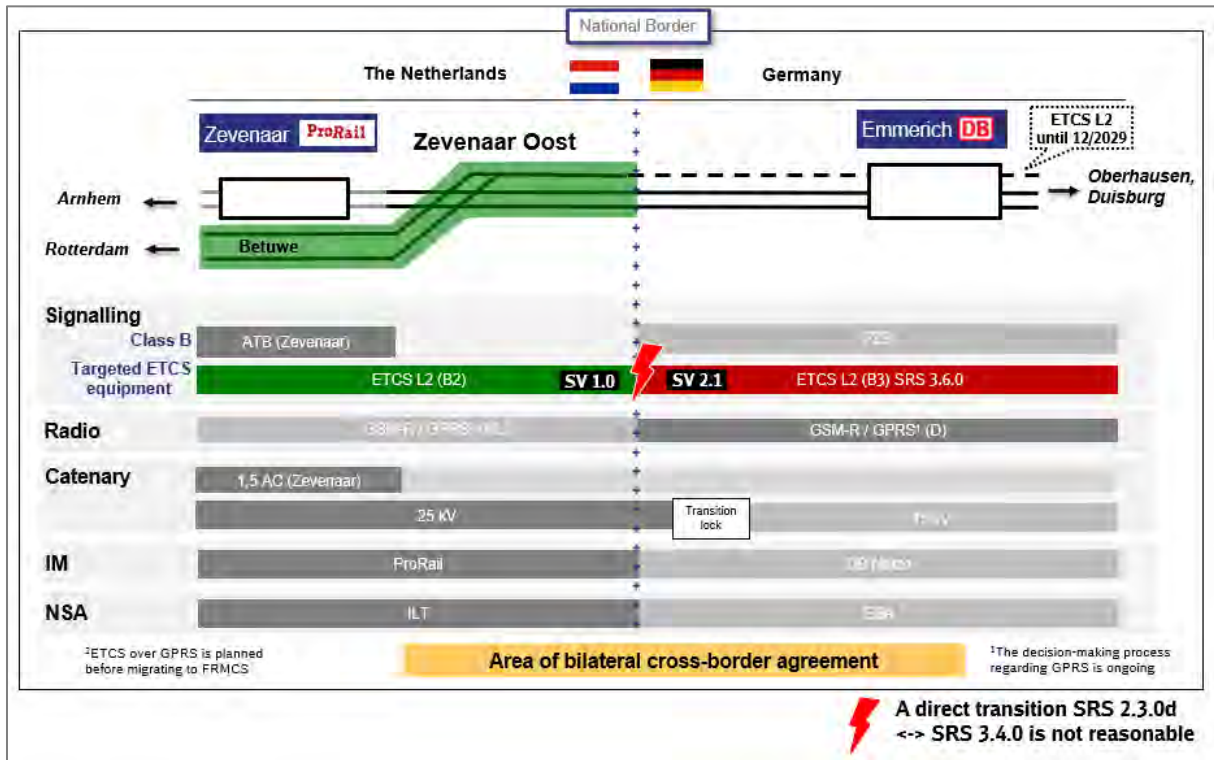


Figure 19 Zevenaar Oost – Emmerich (2024)

## Zevenaar Oost – Emmerich (2030)

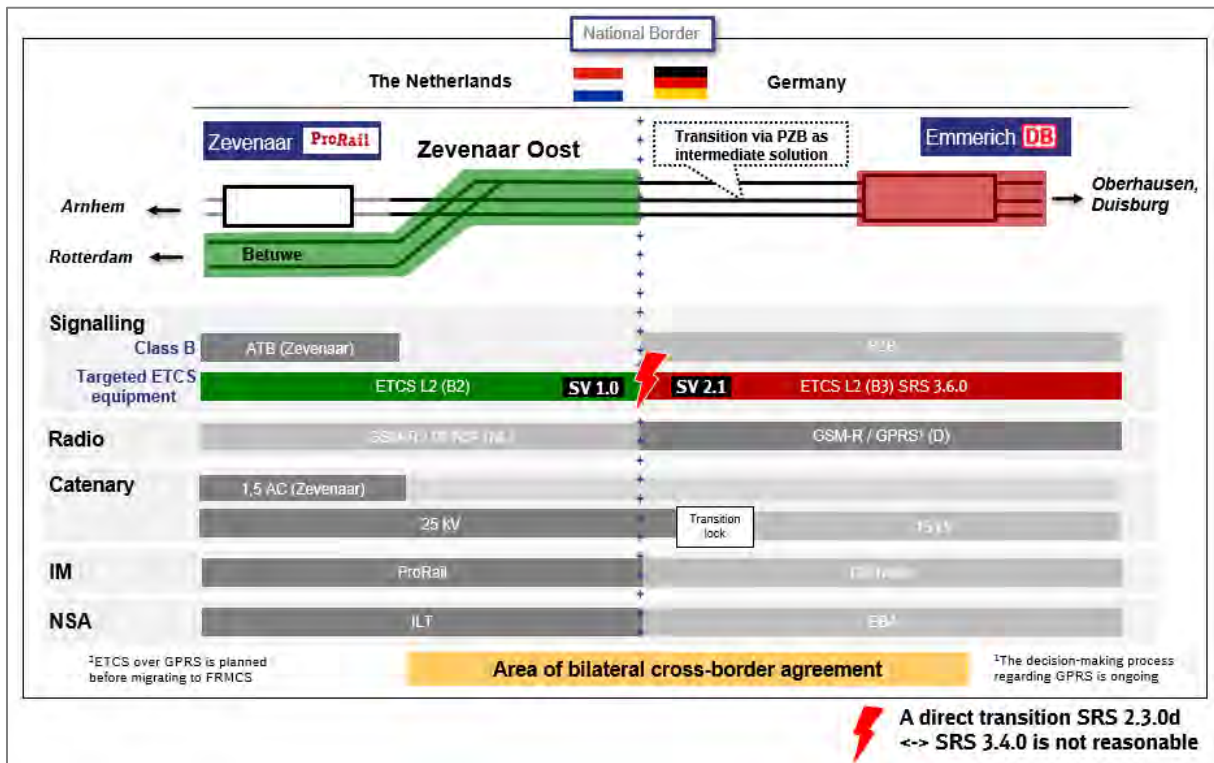


Figure 20 Zevenaar Oost – Emmerich (2030)

## Zevenaar Oost – Emmerich (203x)

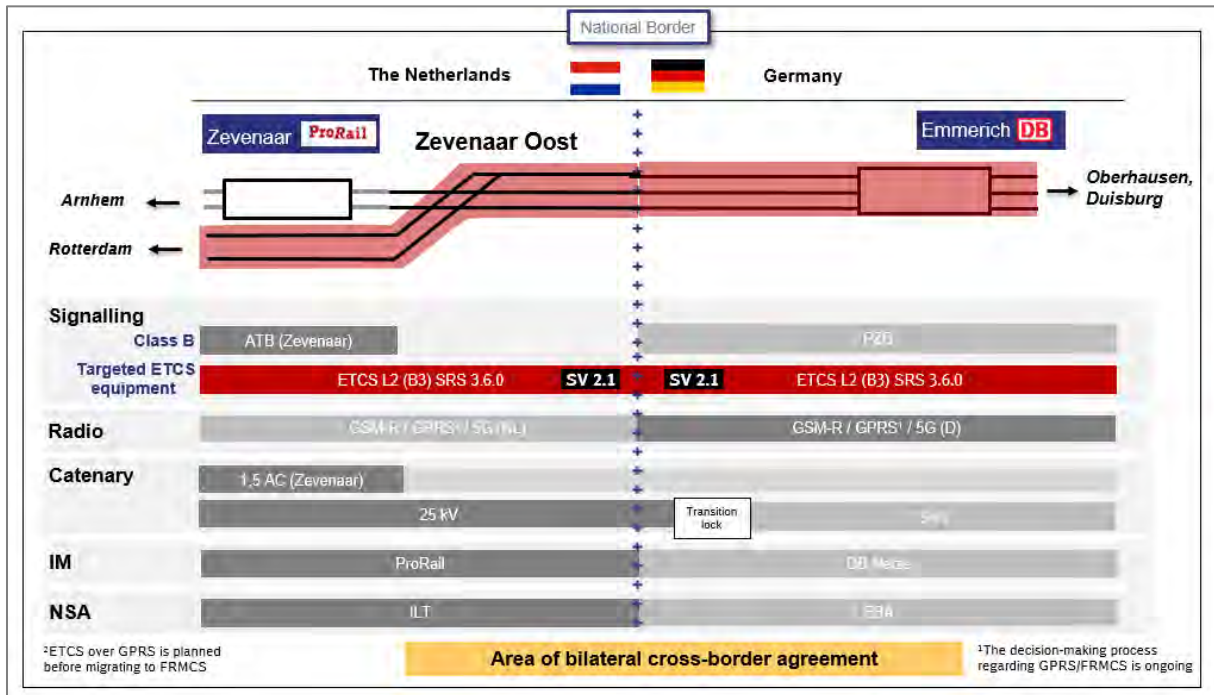


Figure 21 Zevenaar Oost – Emmerich (203x)

## Venlo – Kaldenkirchen (2024)

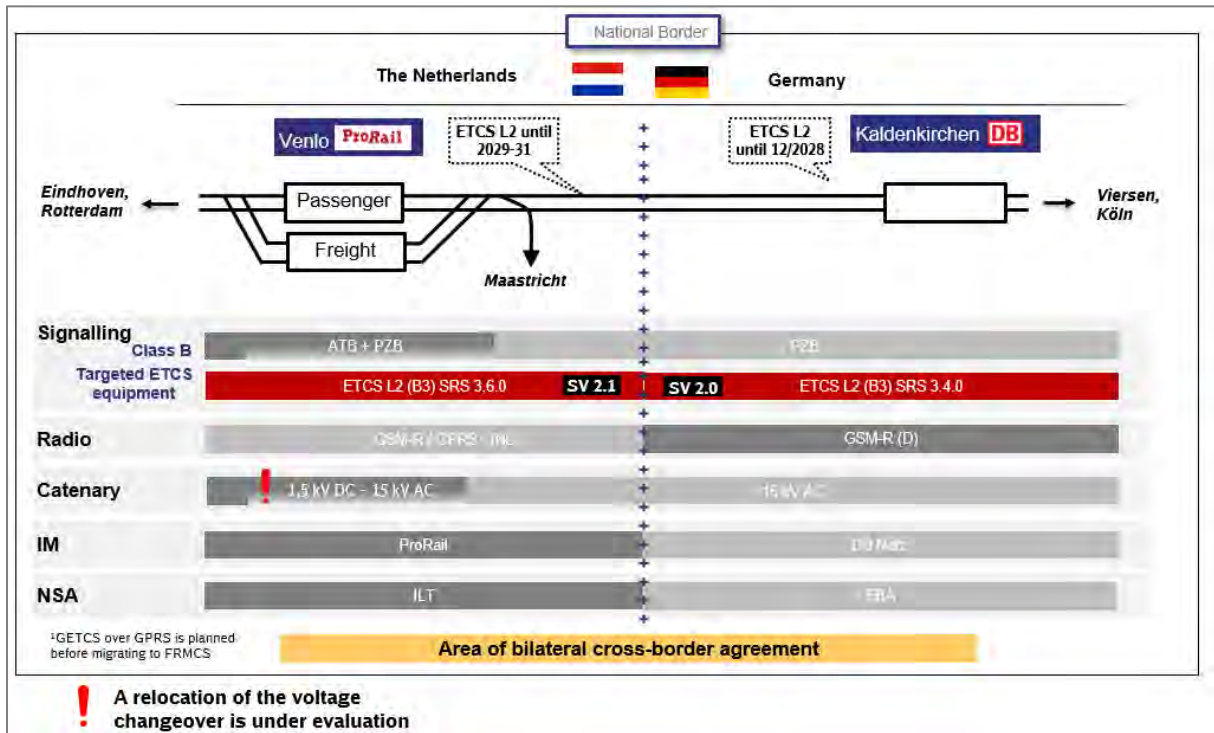


Figure 22 Venlo – Kaldenkirchen (2024)

## Venlo – Kaldenkirchen (2029)

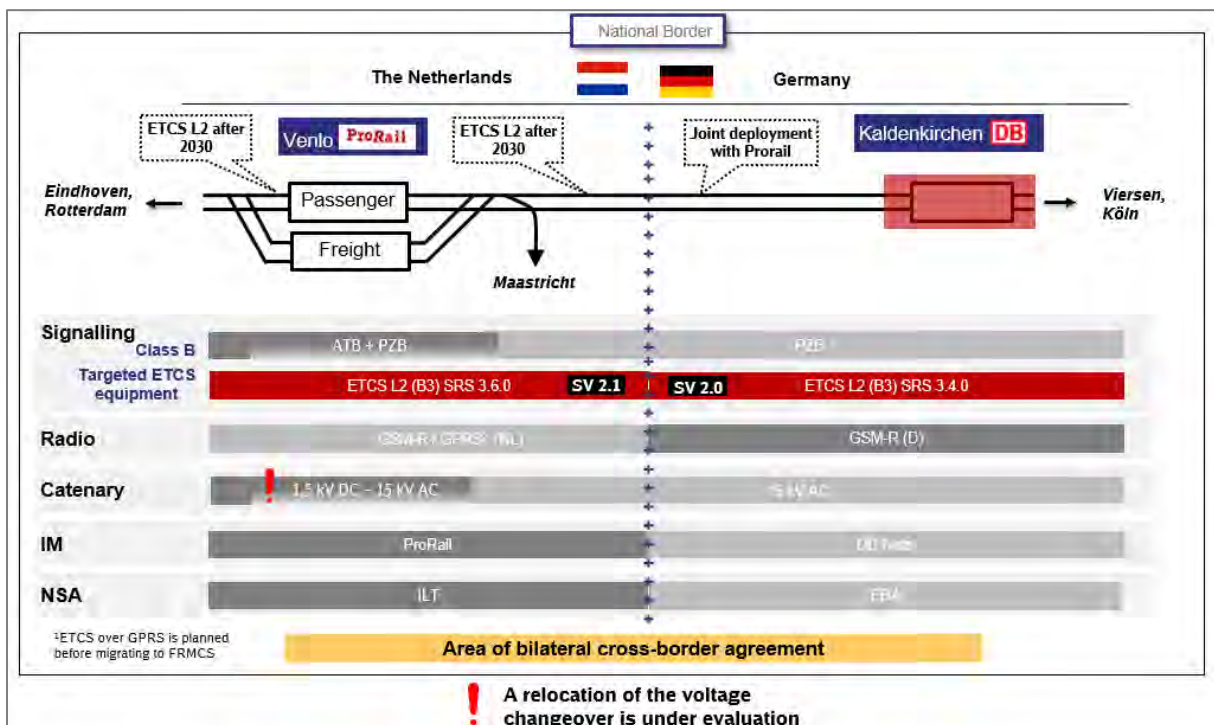


Figure 23 Venlo – Kaldenkirchen (2029)

## Venlo – Kaldenkirchen (203x)

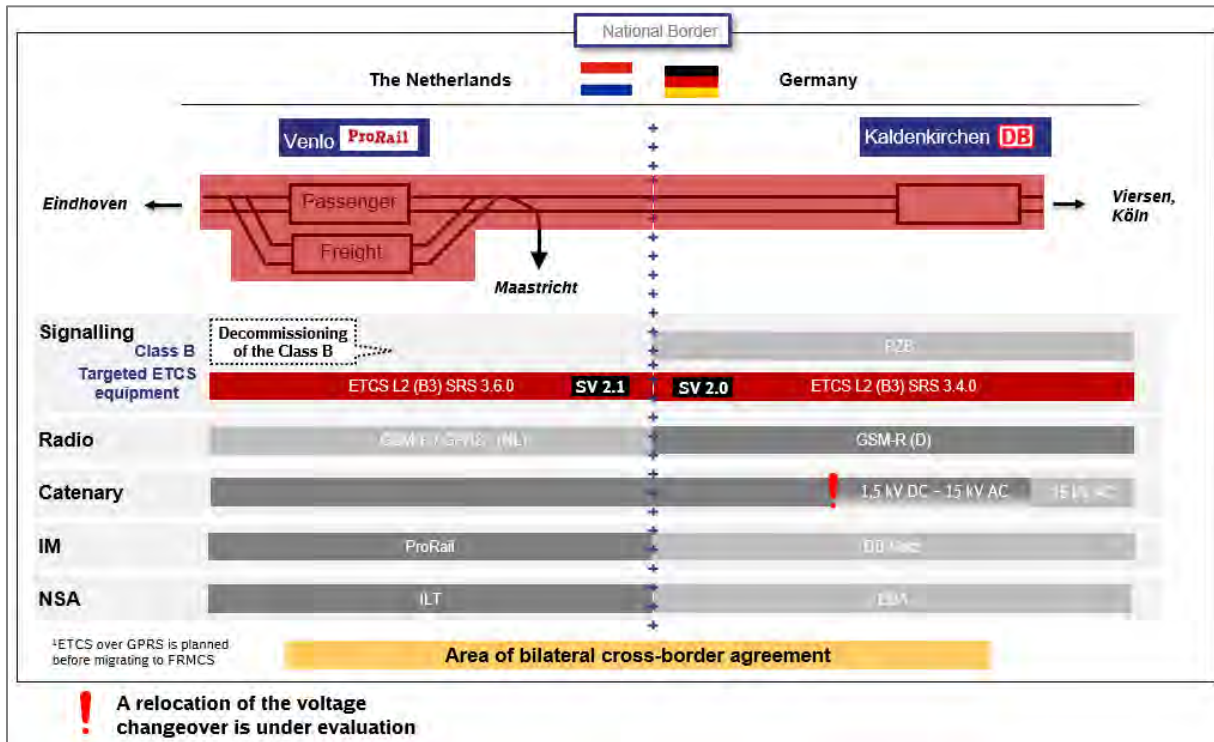


Figure 24 Venlo – Kaldenkirchen (203x)



## Montzen – Aachen West (2024)

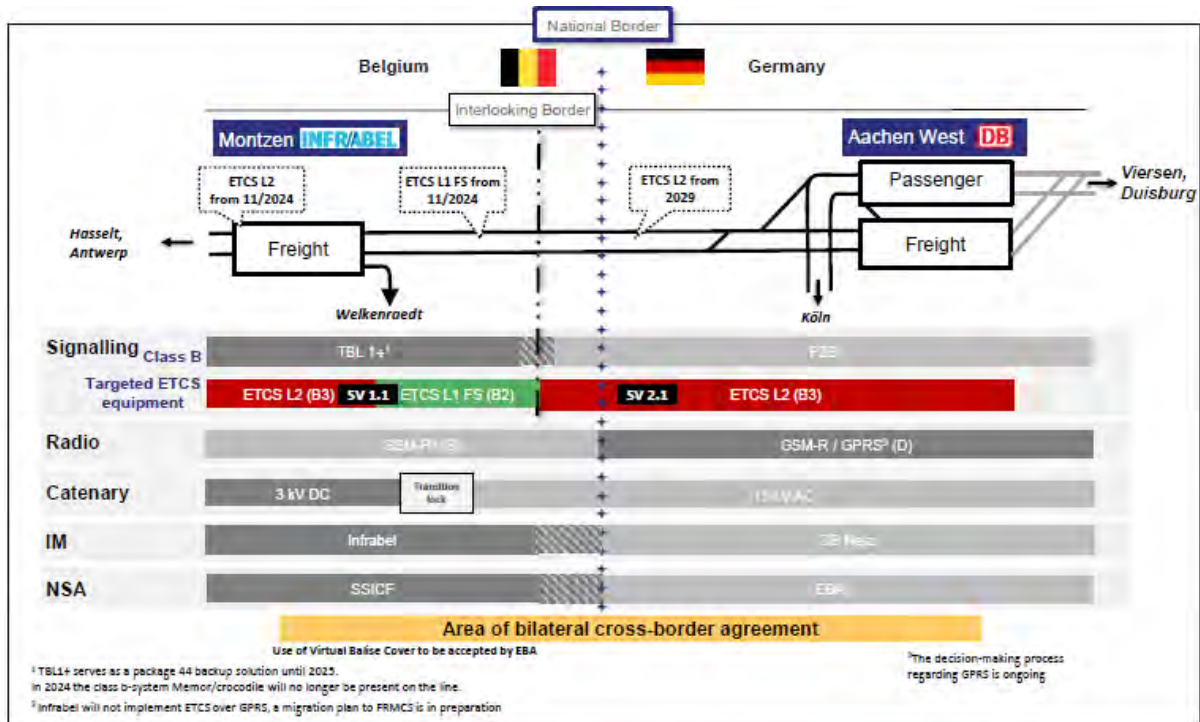


Figure 25 Montzen – Aachen West (2024)

## Montzen – Aachen West (2025)

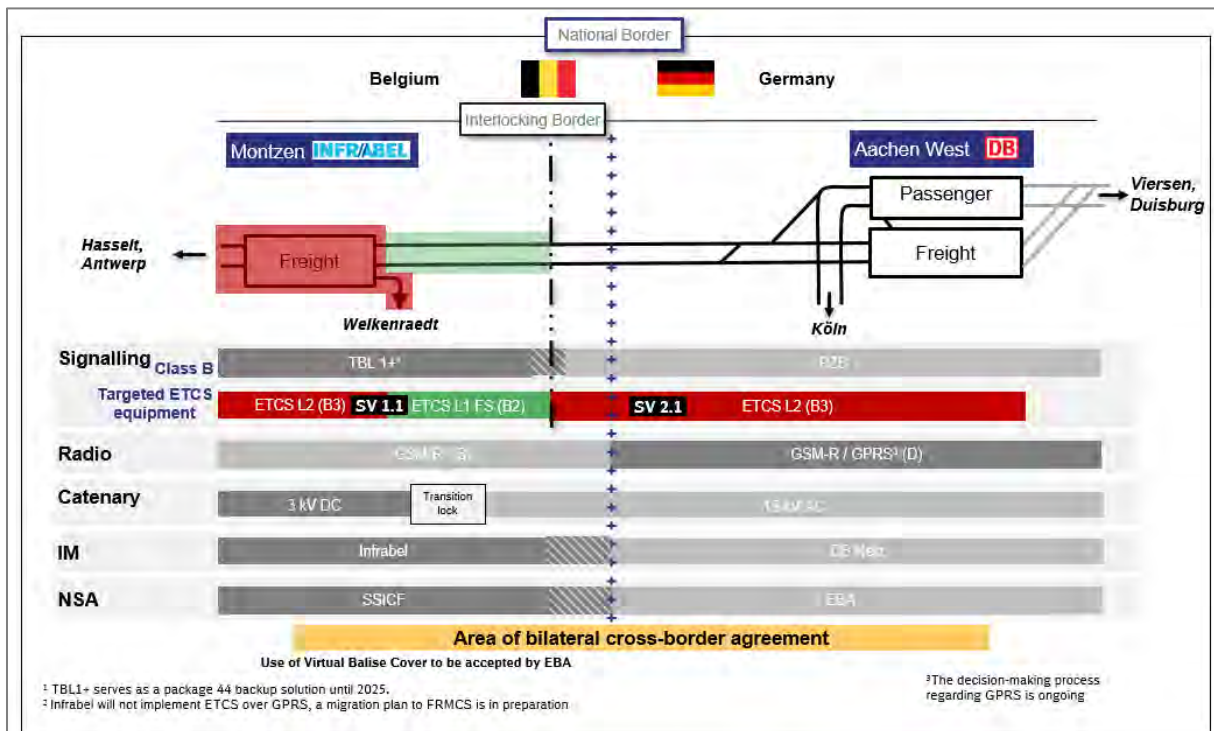


Figure 26 Montzen – Aachen West (2025)

### Montzen – Aachen West (2026)

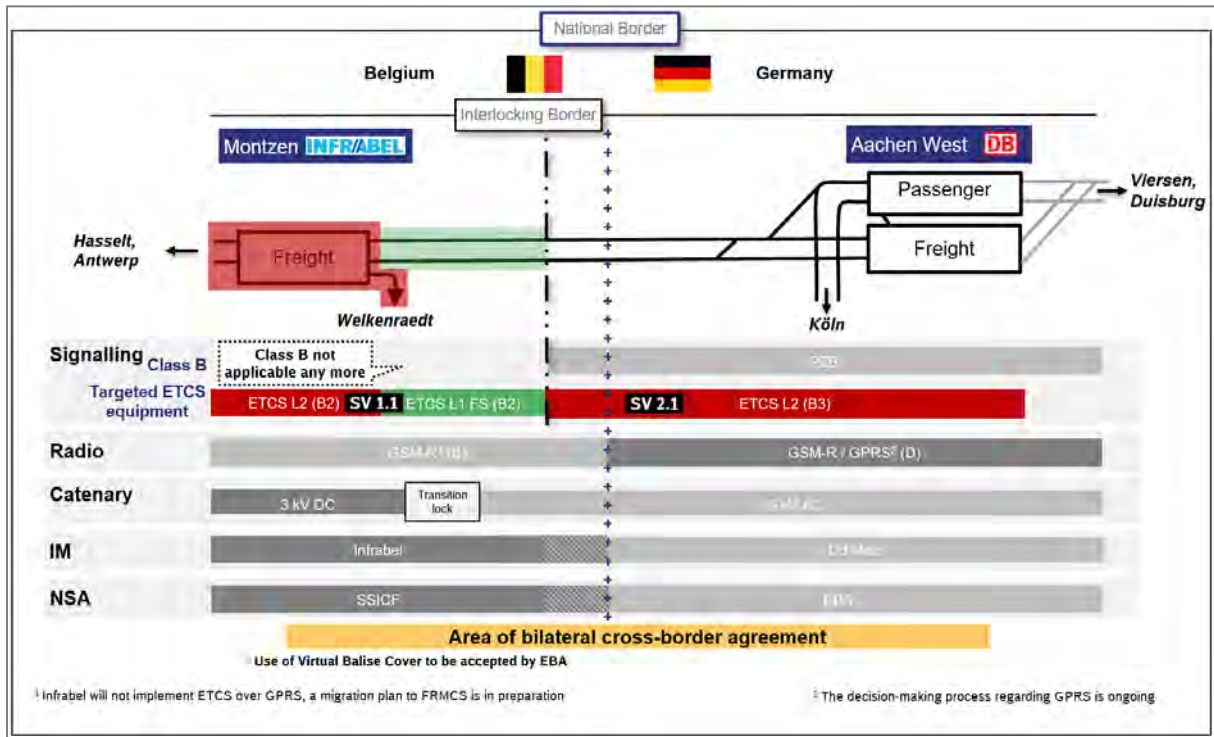


Figure 27 Montzen – Aachen West (2026)

### Montzen – Aachen West (2029)

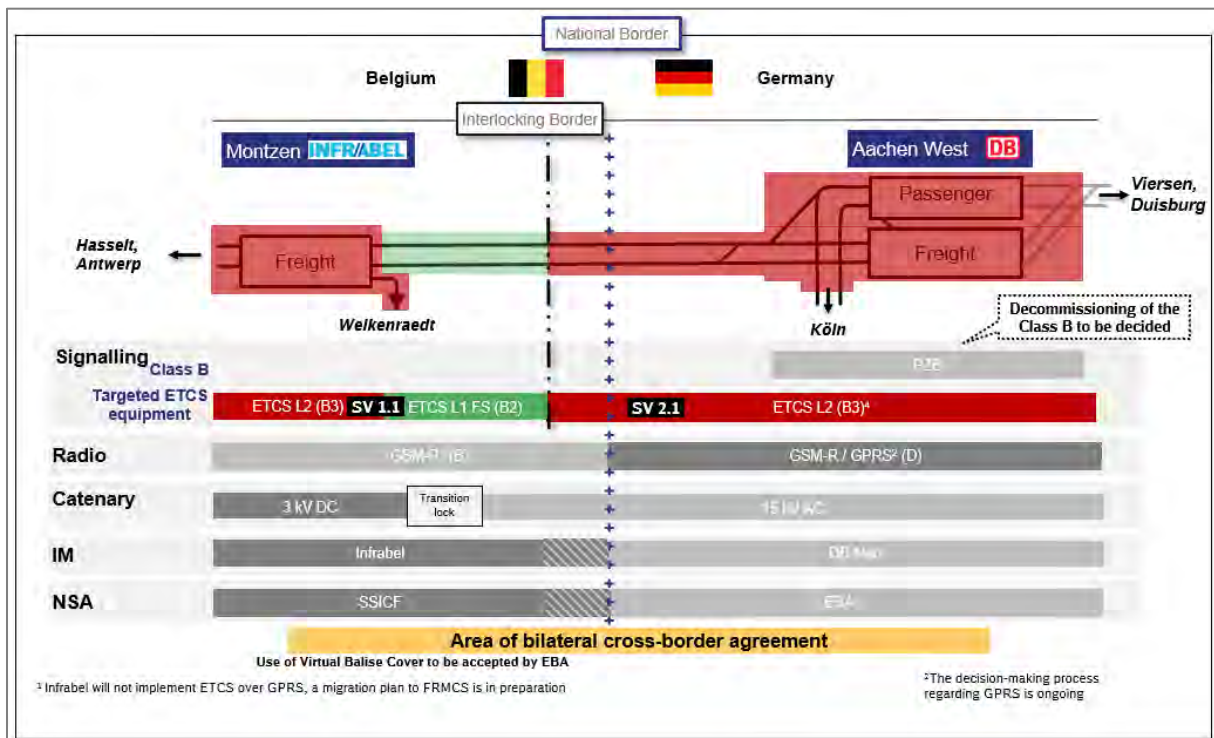


Figure 28 Montzen – Aachen West (2029)

## Welkenraedt – Aachen Hbf (2024)

- section of the Core Network Corridor not of the Rail Freight Corridor Rhine-Alpine

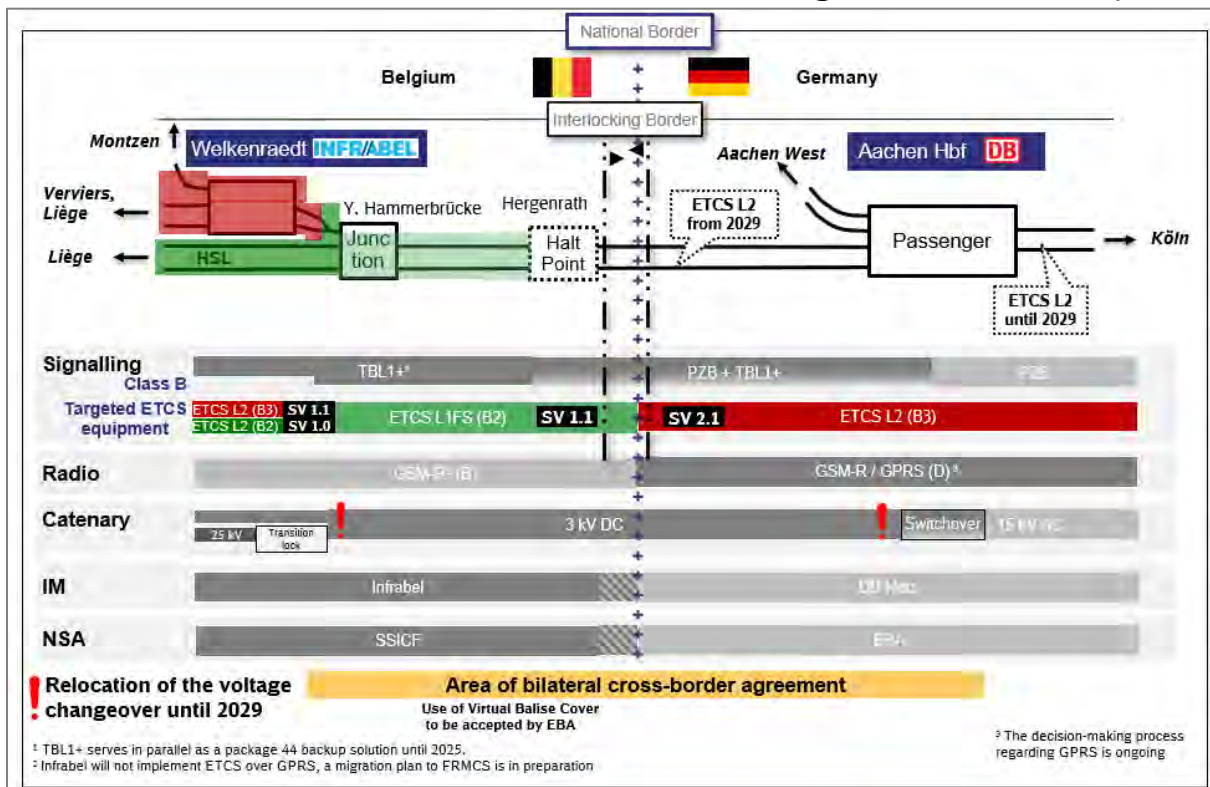


Figure 29 Welkenraedt – Aachen Hbf (2024)

## Welkenraedt – Aachen Hbf (2026)

- section of the Core Network Corridor not of the Rail Freight Corridor Rhine-Alpine

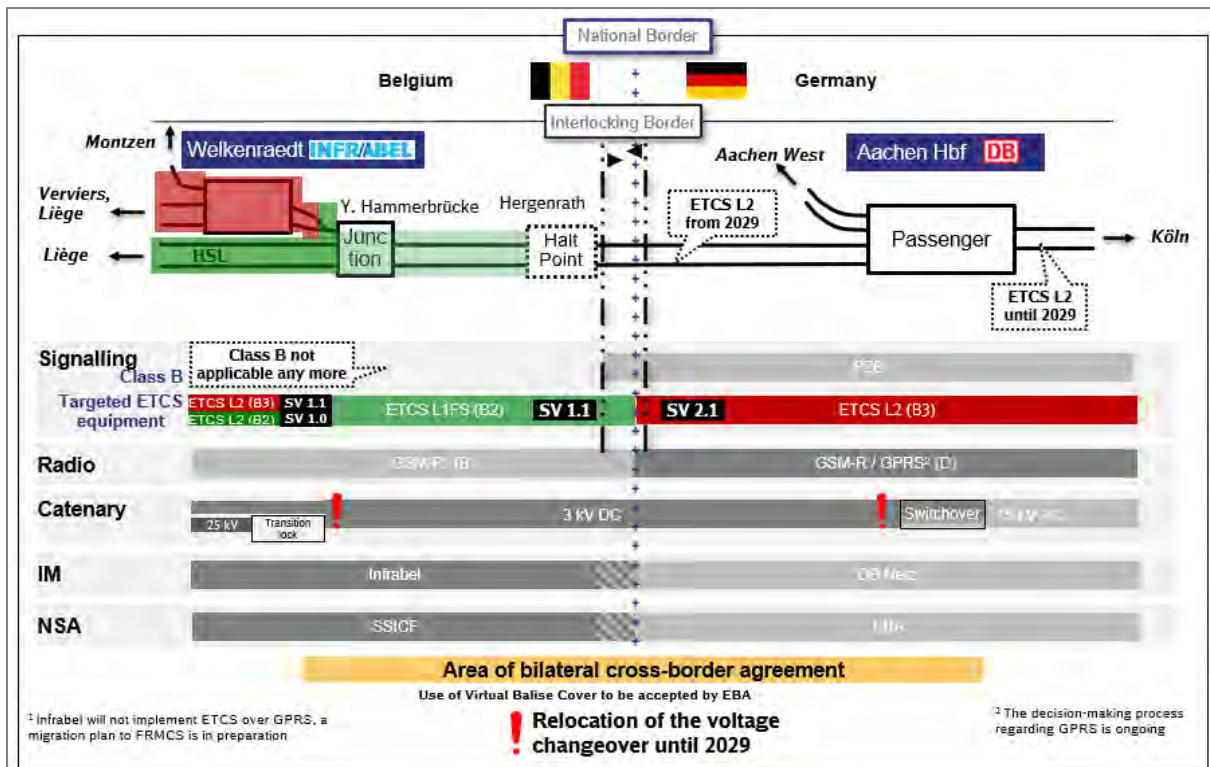


Figure 30 Welkenraedt – Aachen Hbf (2026)

### Welkenraedt – Aachen Hbf (2029)

- section of the Core Network Corridor not of the Rail Freight Corridor Rhine-Alpine

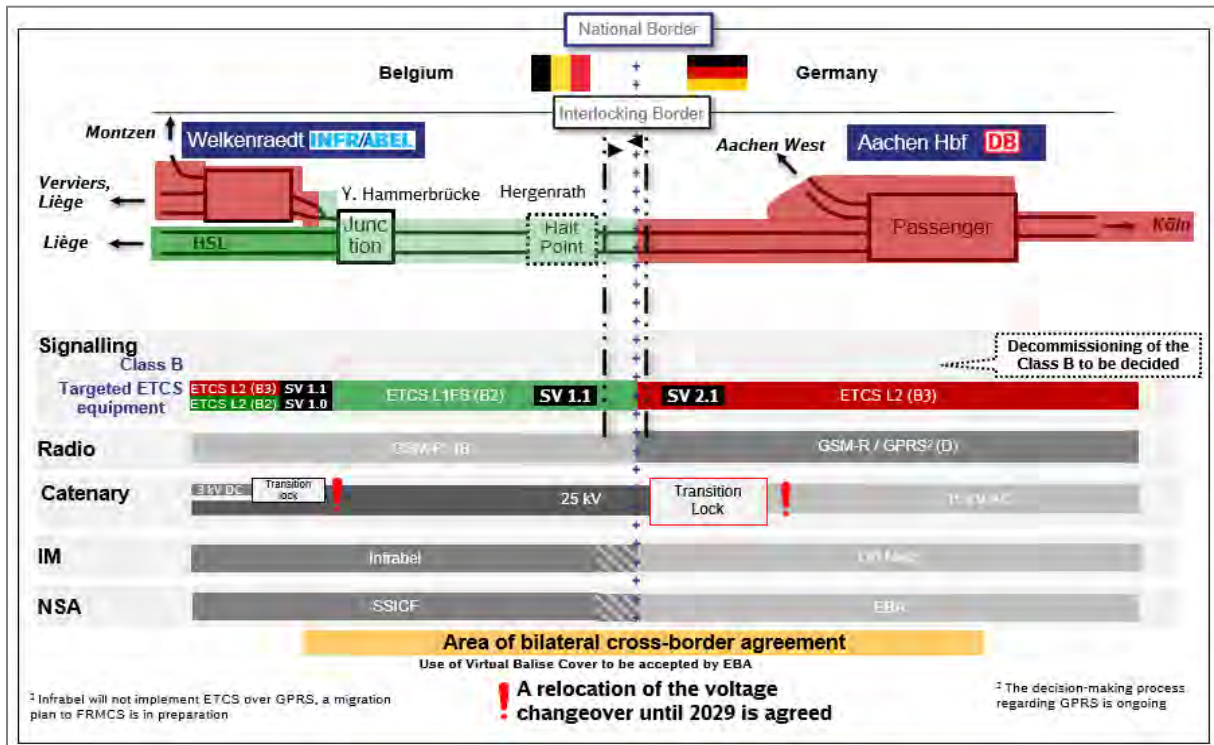


Figure 31 Welkenraedt – Aachen Hbf (2029)

### Sas van Gent – Gent Zeehaven (2024)

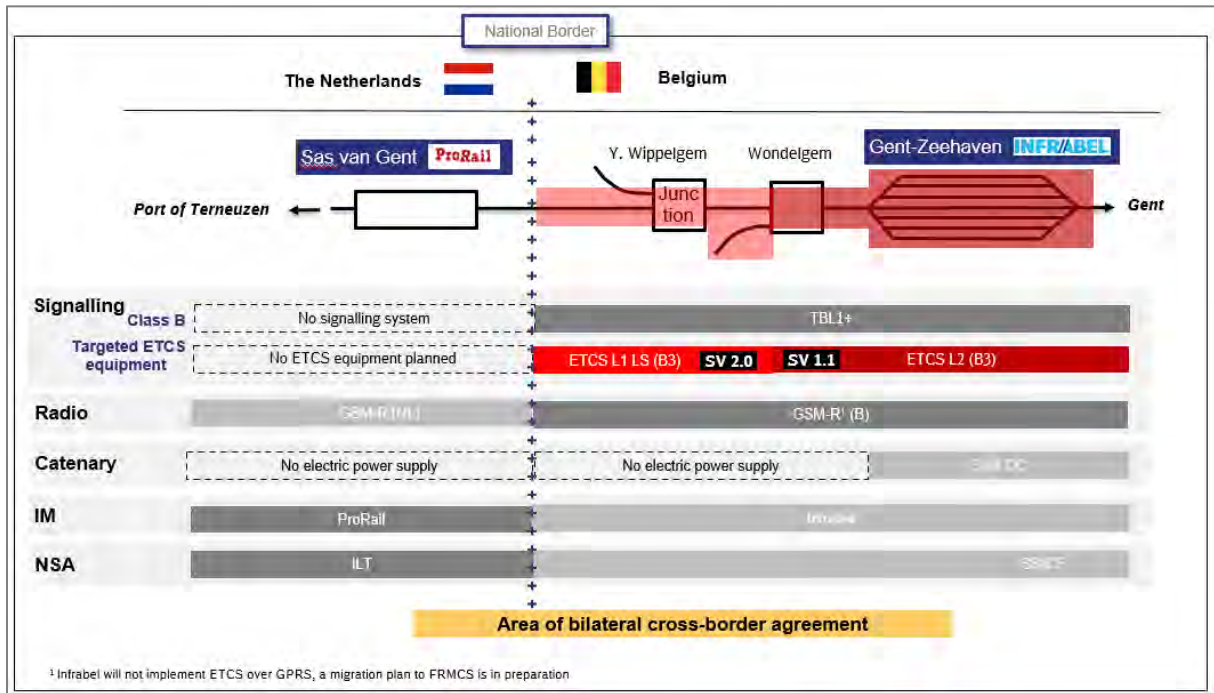


Figure 32 Sas van Gent – Gent Zeehaven (2024)

### Sas van Gent – Gent Zeehaven (2026)

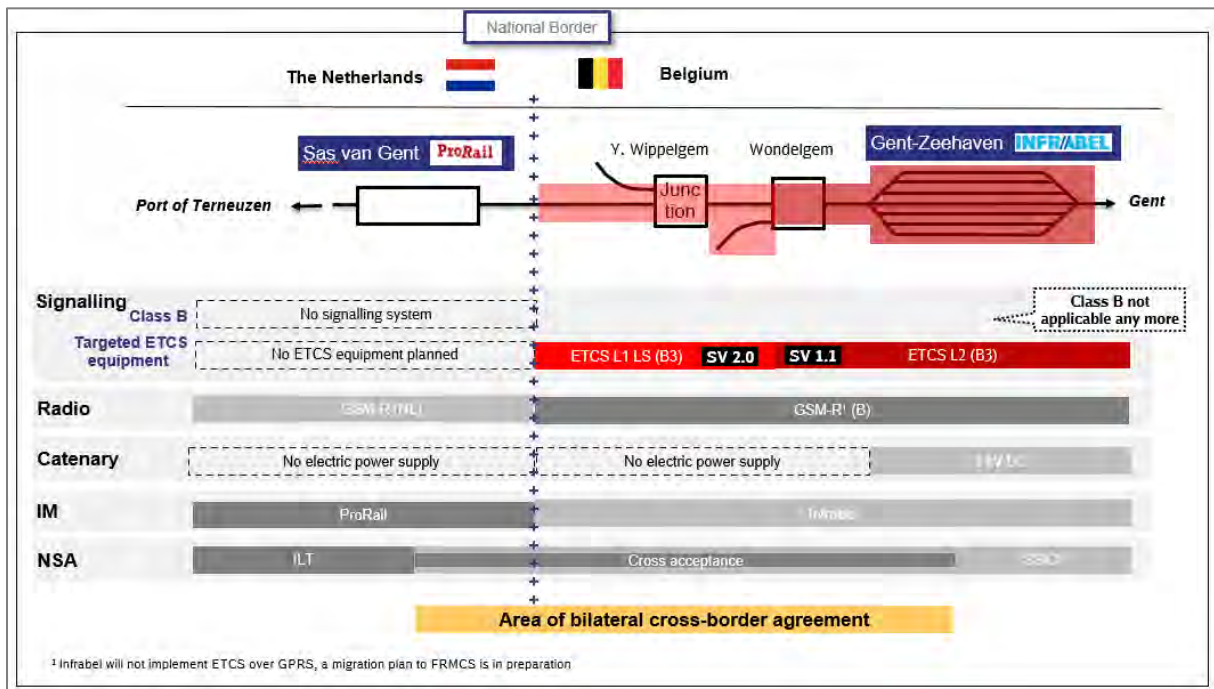


Figure 33 Sas van Gent – Gent Zeehaven (2026)

### Weil a. R. – Basel Bad. Bf – MuttENZ RB (12/2024)

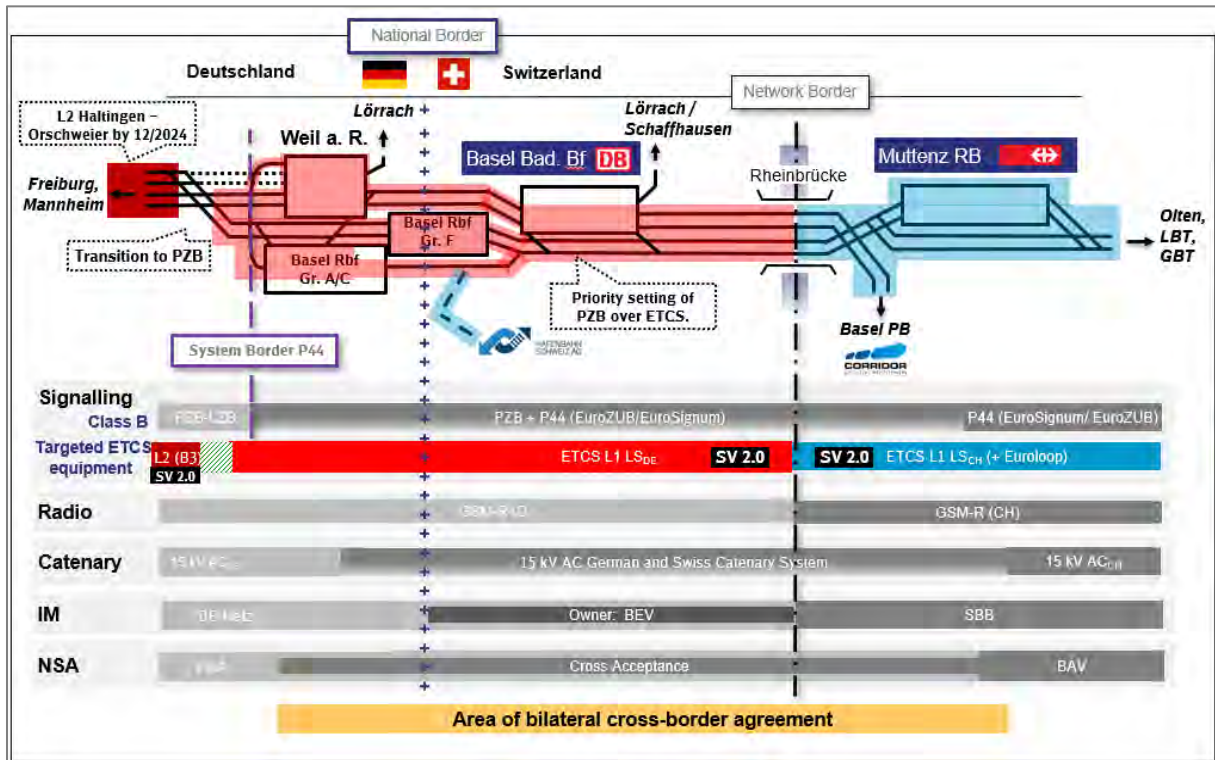


Figure 34 Weil a. R. – Basel Bad. Bf – MuttENZ RB (12/2024)

### Weil a. R. – Basel Bad. Bf – MuttENZ RB (12/2026)

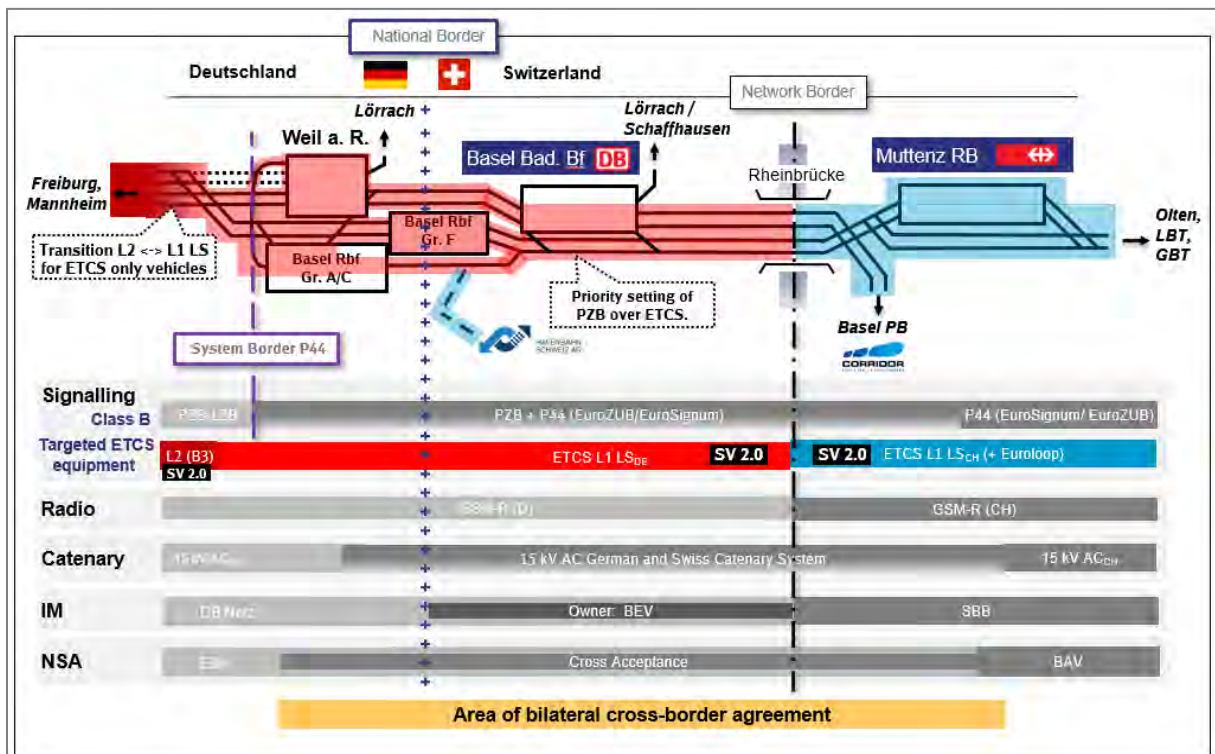


Figure 35 Weil a. R. – Basel Bad. Bf – MuttENZ RB (12/2026)

### Brig – Iselle – Domodossola (2024)

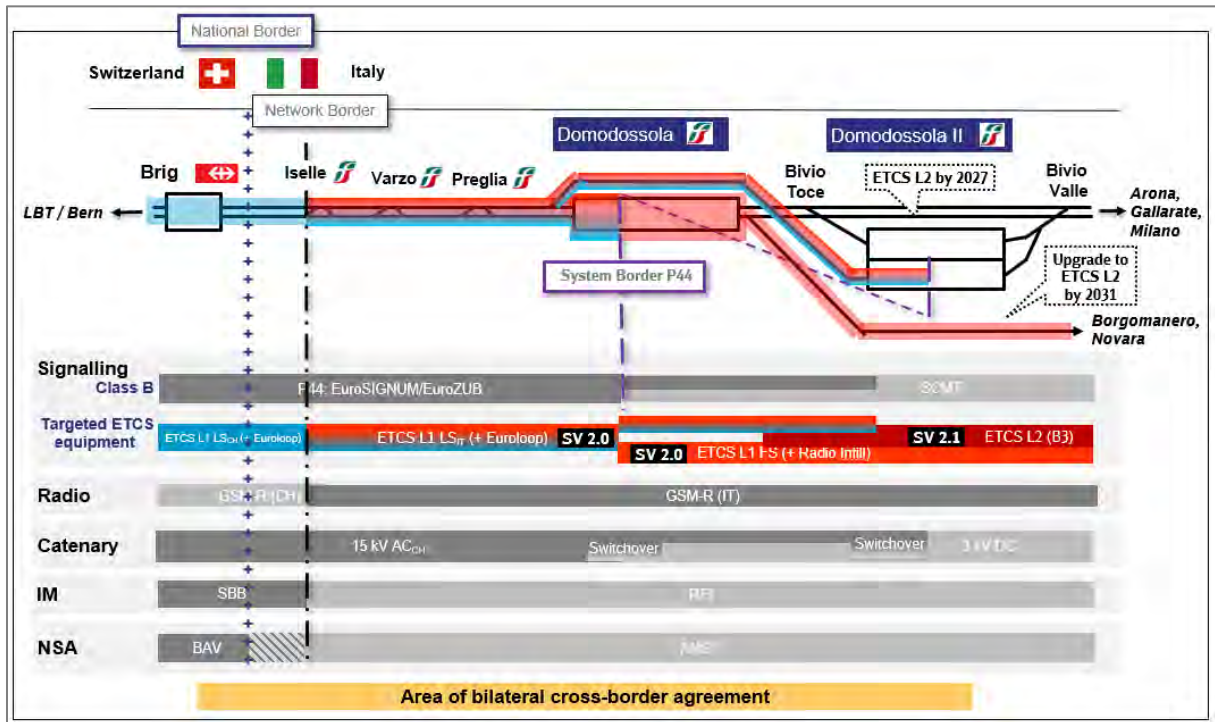


Figure 36 Brig – Iselle – Domodossola (2024)

### Brig – Iselle – Domodossola (2026)

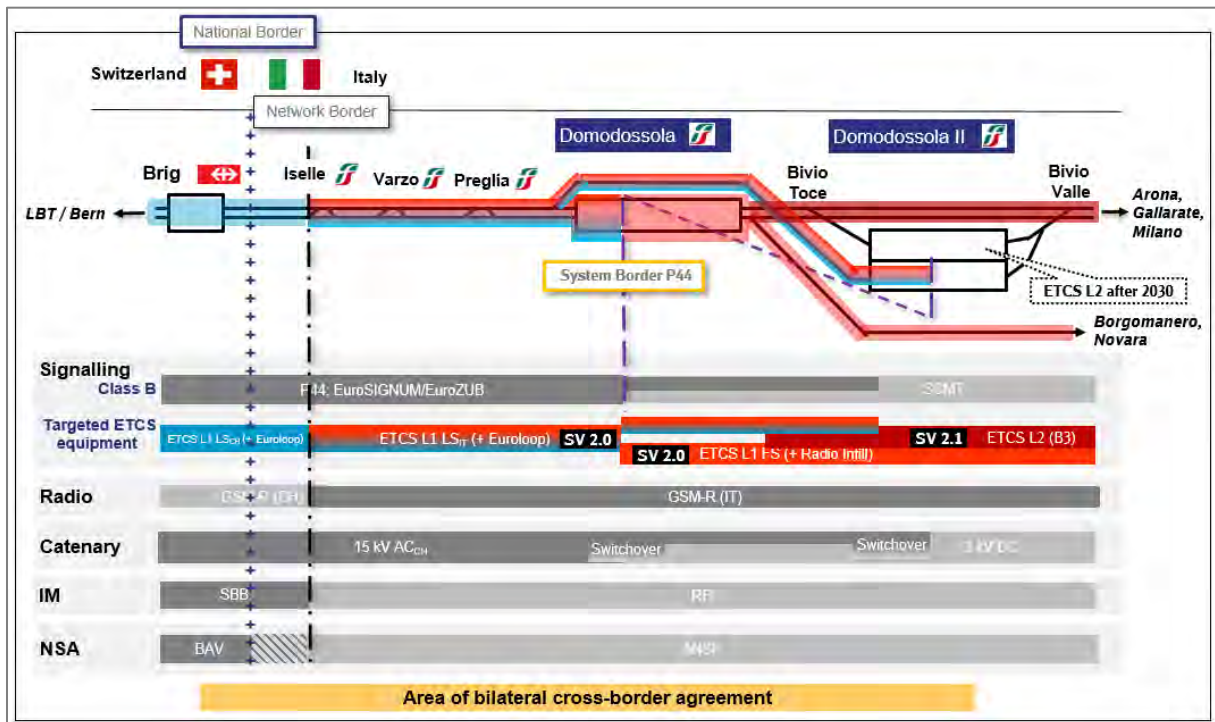


Figure 37 Brig – Iselle – Domodossola (2026)

### Brig – Iselle – Domodossola (2031)

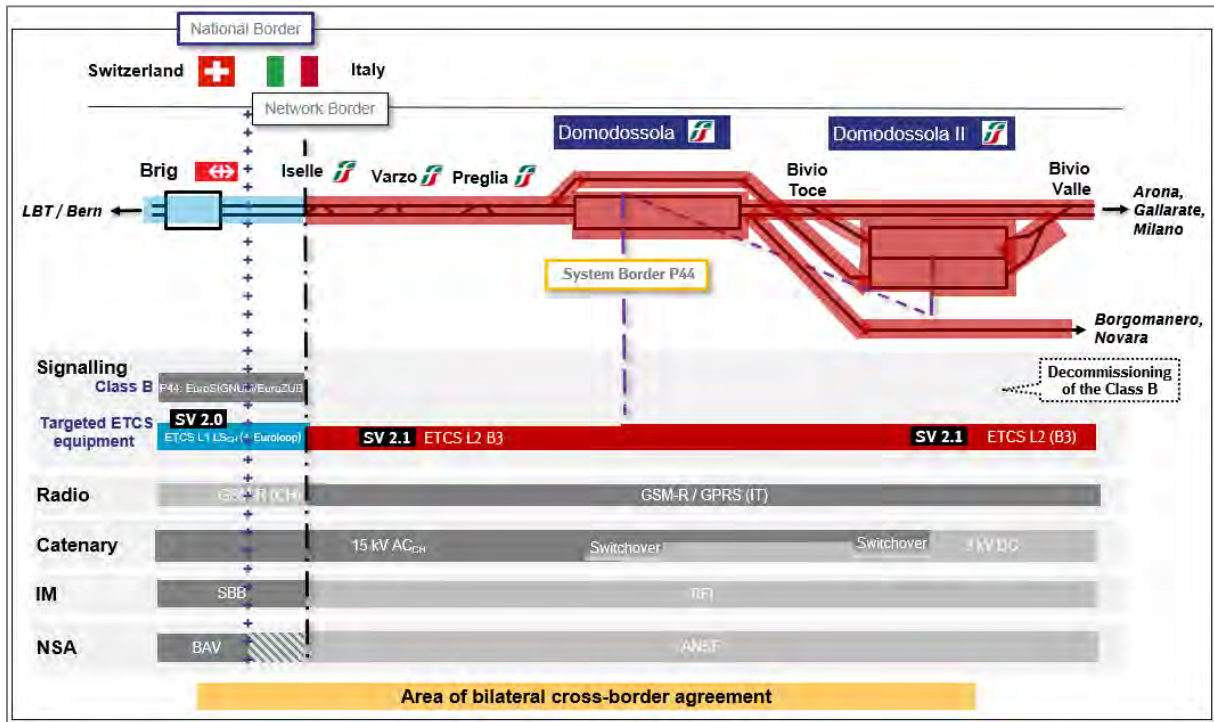


Figure 38 Brig – Iselle – Domodossola (2031)



### Ranzo – Luino (2024)

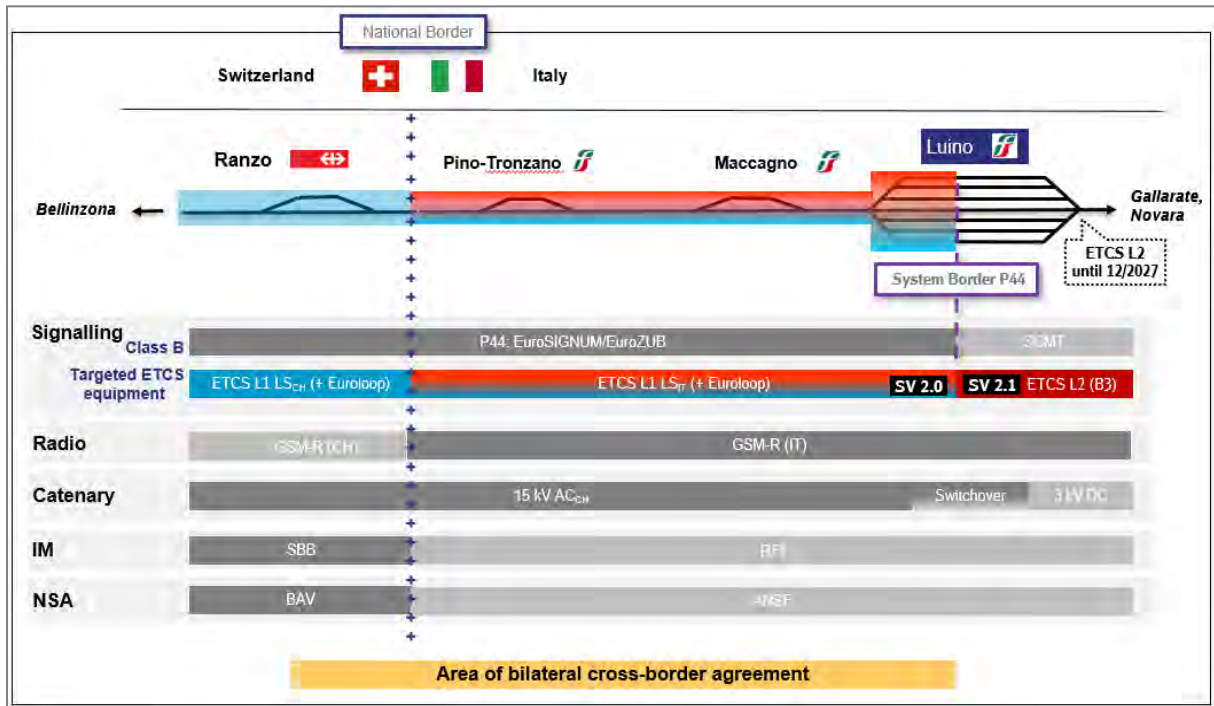


Figure 39 Ranzo – Luino (2024)

### Ranzo – Luino (2028)

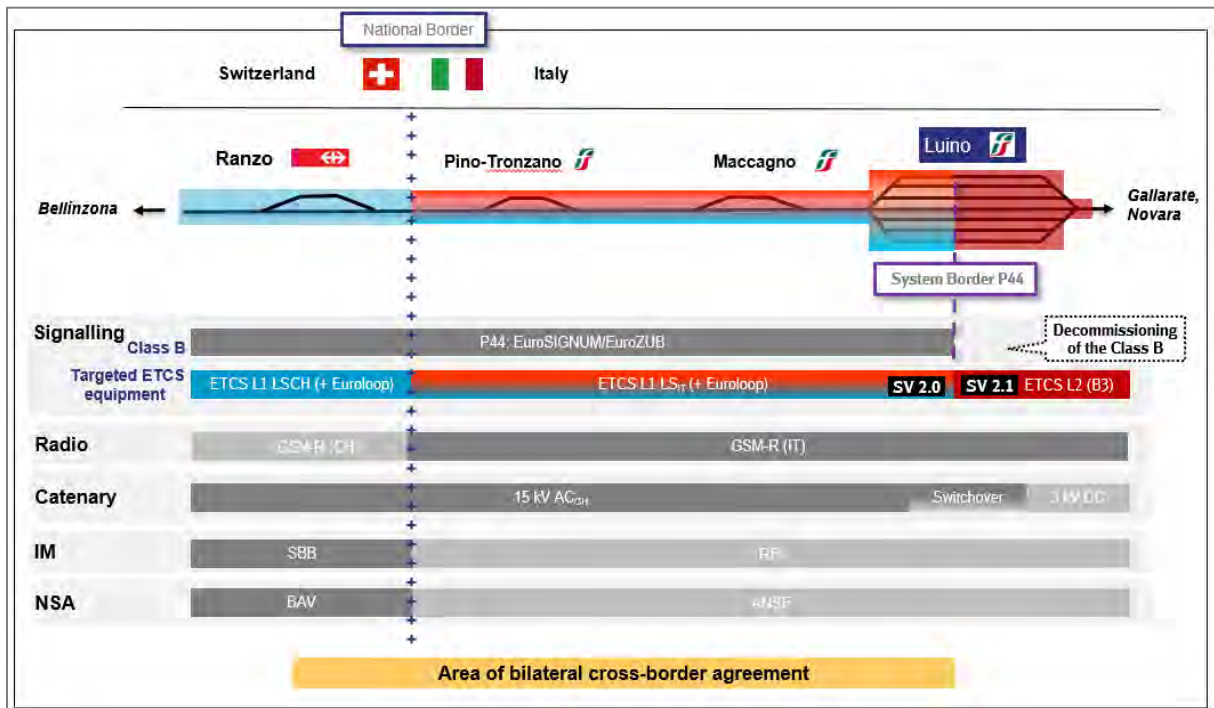


Figure 40 Ranzo – Luino (2028)

## Ranzo – Luino (2031)

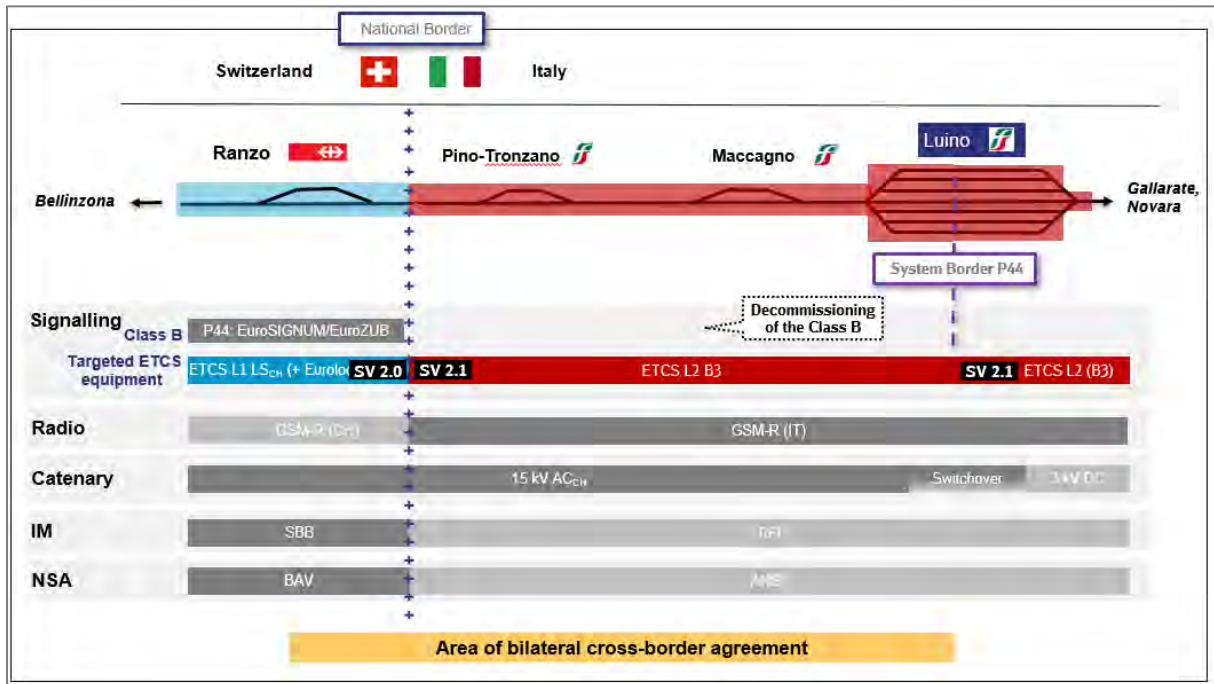


Figure 41 Ranzo – Luino (2031)

## Chiasso (2024)

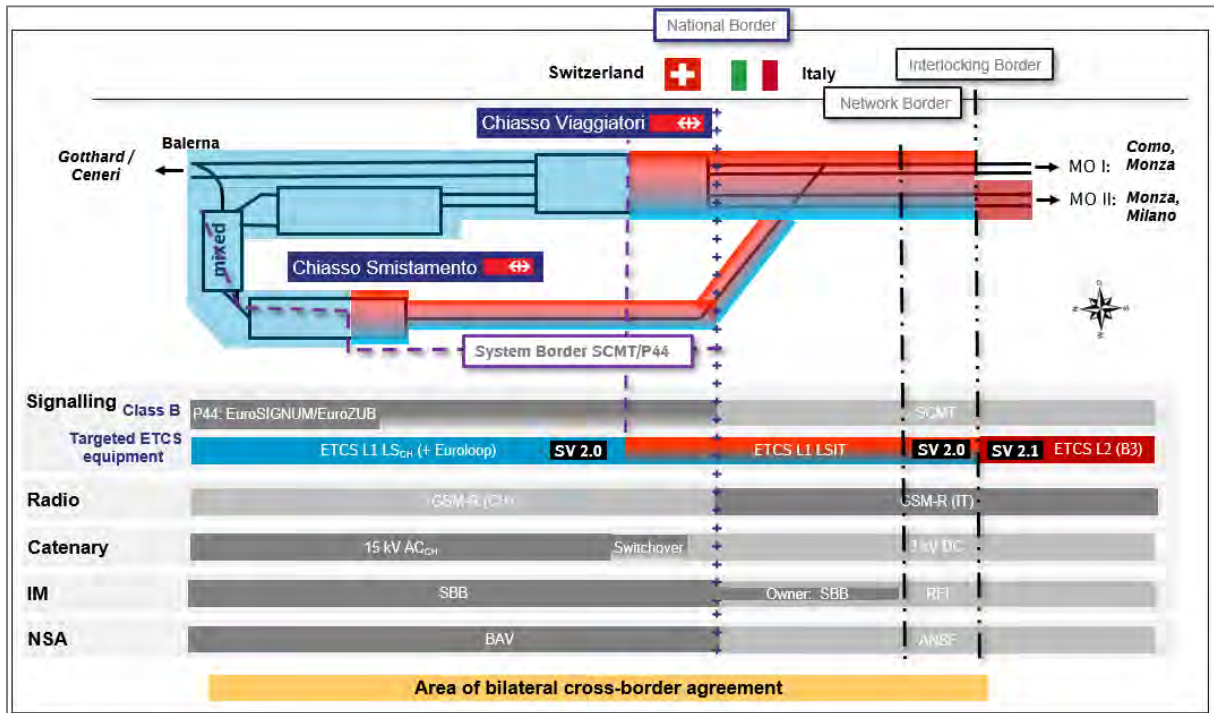


Figure 42 Chiasso 2024

## Chiasso (2025)

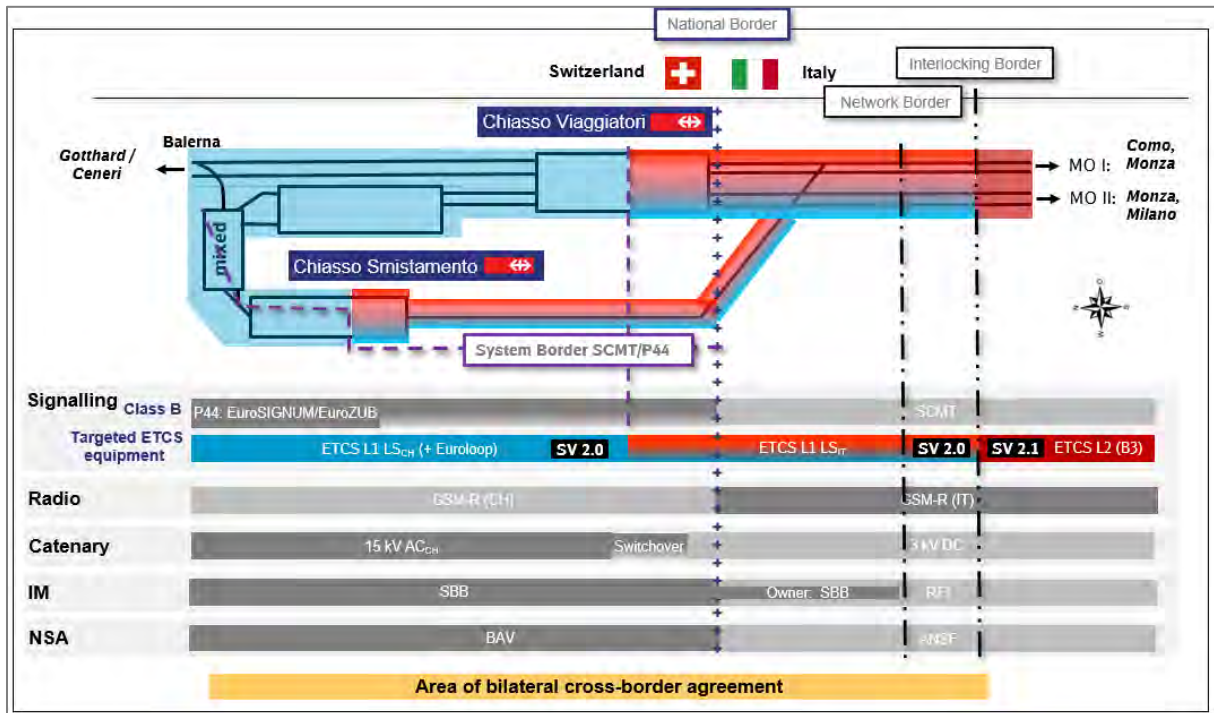


Figure 43 Chiasso 2025

## Chiasso (2031)

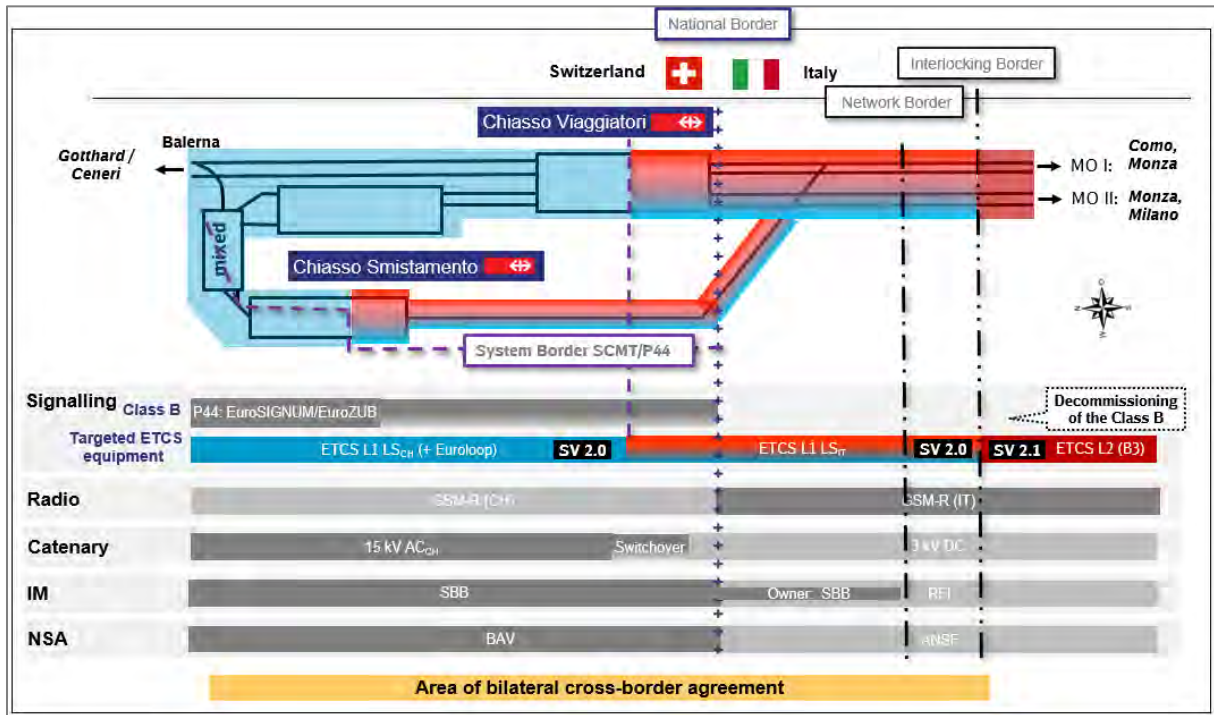


Figure 44 Chiasso 2031