

RFC Rhine-Alpine

IMPLEMENTATION PLAN Update 2023

ANNEX D: Graphical overview on ERTMS Deployment



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ERTMS deployment overview for RFC Rhine-Alpine

Status October 2023 (regular updates available in [CIP](#) under: Information Documents/ Other Information Documents/ RFC Rhine-Alpine/ ERTMS Deployment)

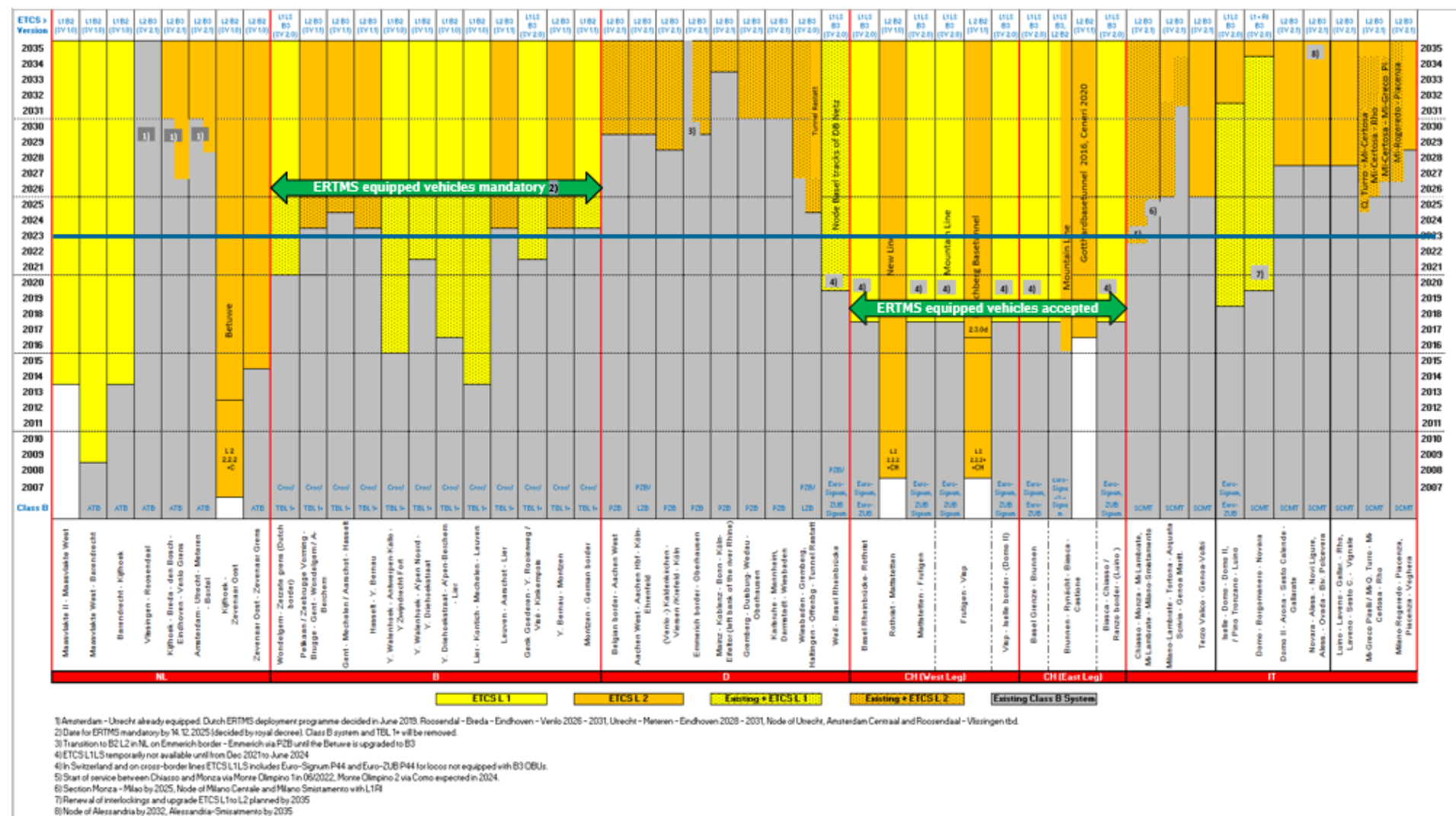


Figure 1 ERTMS Deployment Overview RFC Rhine-Alpine

ETCS deployment progress

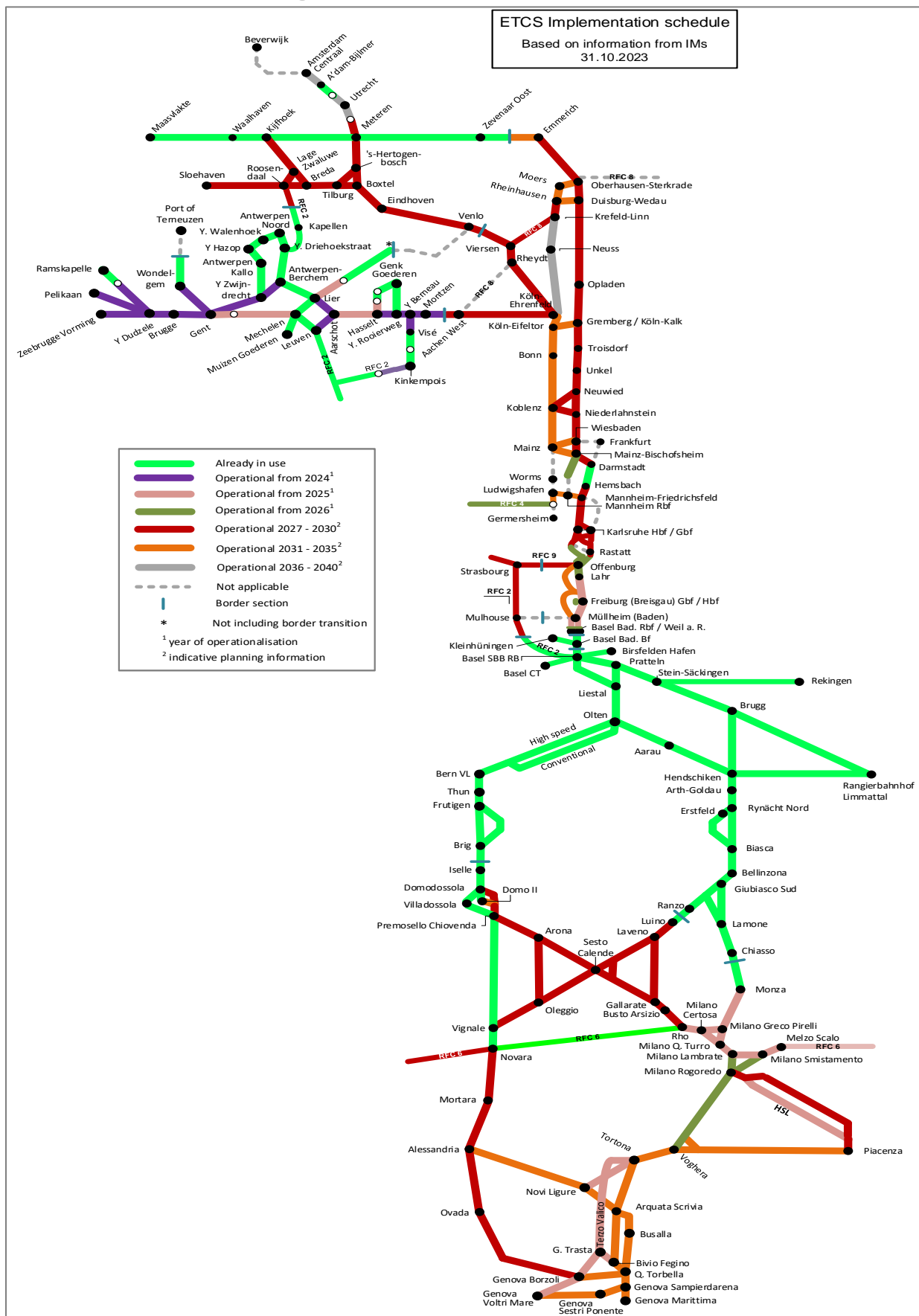


Figure 2 ETCS deployment progress

ETCS deployment in 2032

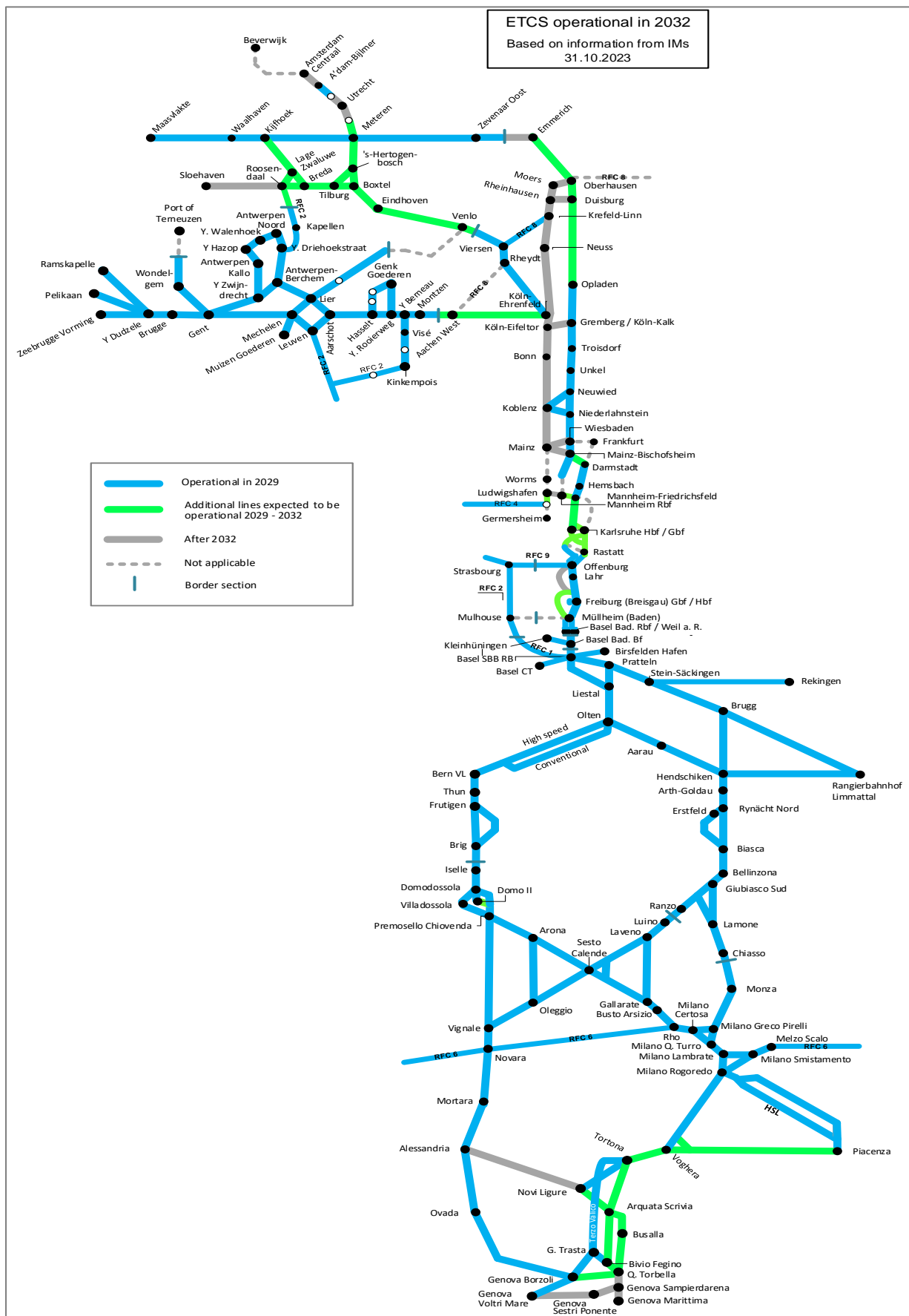


Figure 5 ETCS deployment in 2032

Radio System 2023

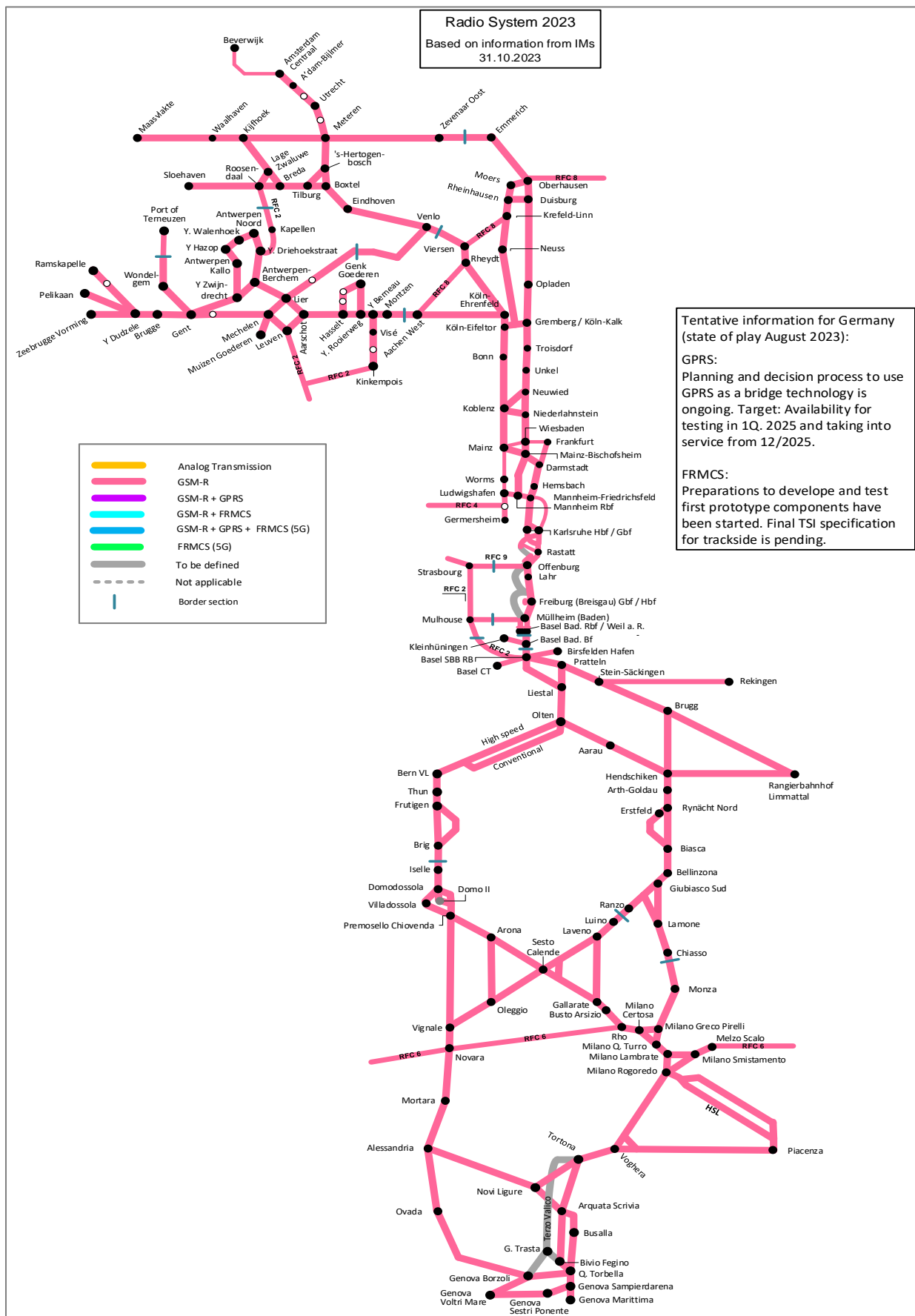


Figure 9 Radio System 2023

Remark: Always the end of the year is meant.
31.10.2023

Radio System 2026

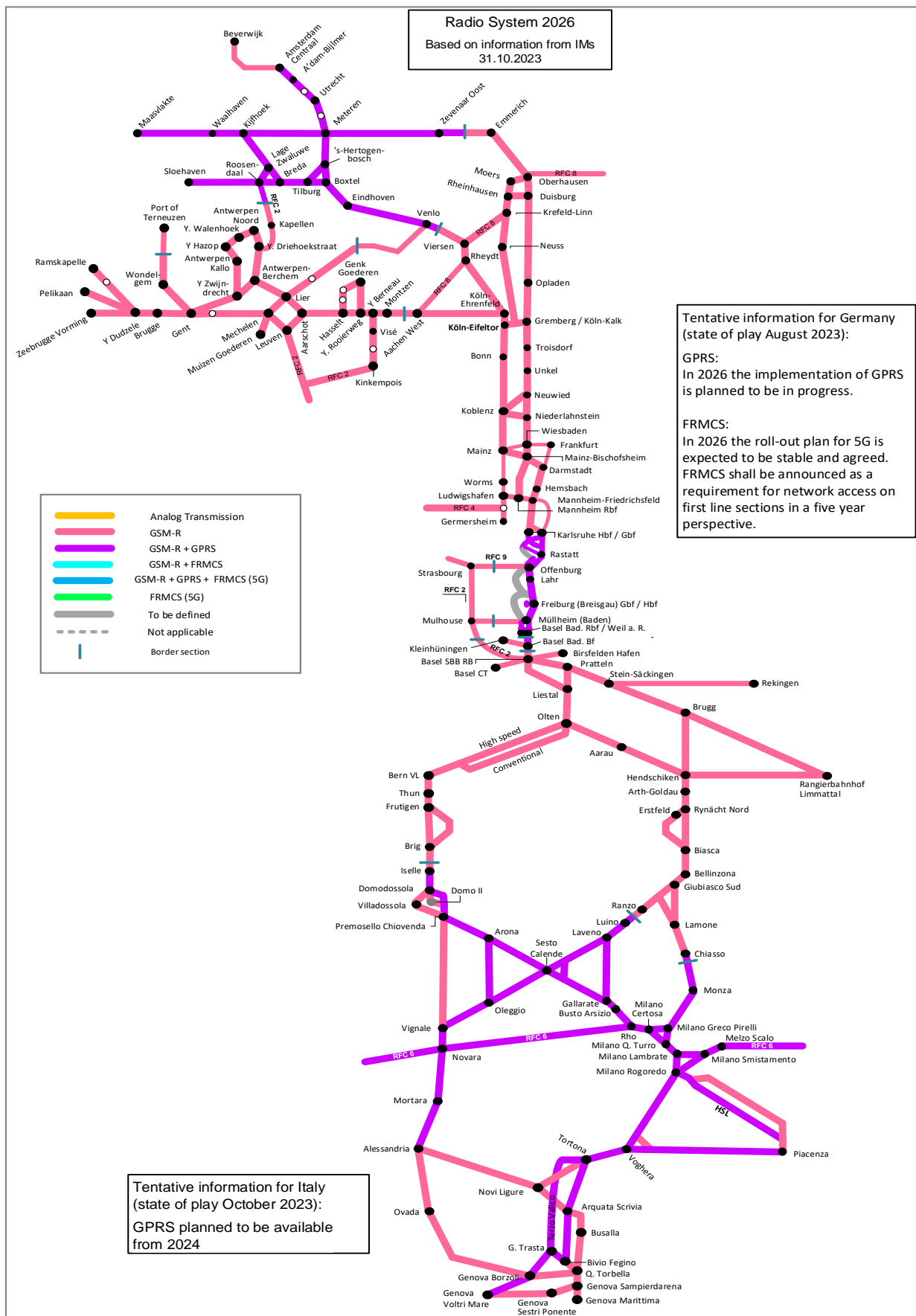


Figure 10 Radio System 2026

Remark: Always the end of the year is meant.
31.10.2023

Radio System 2029

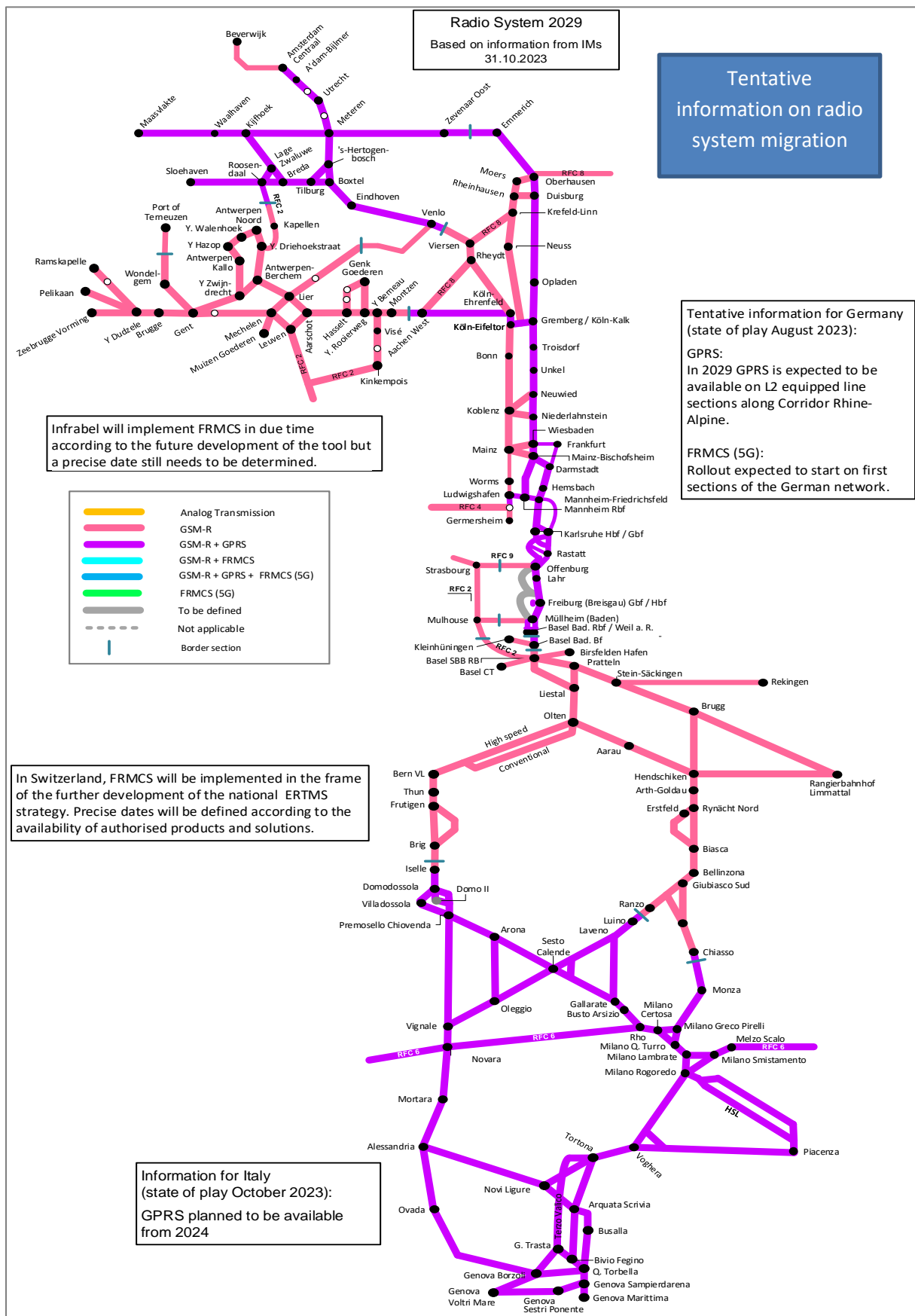


Figure 11 Radio System 2029

Radio System 2032

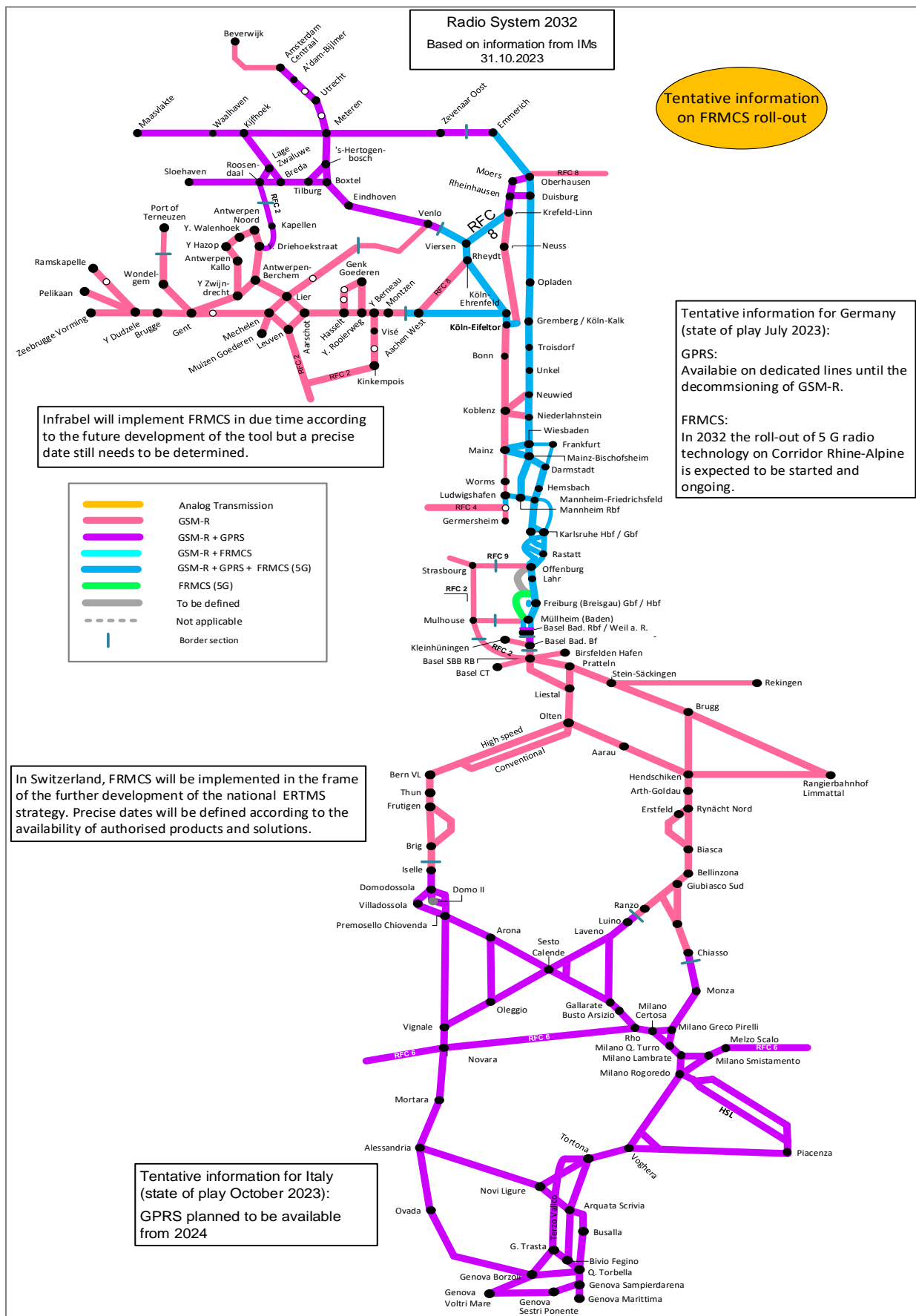


Figure 12 Radio System 2032

Availability of Class B/A systems 2023

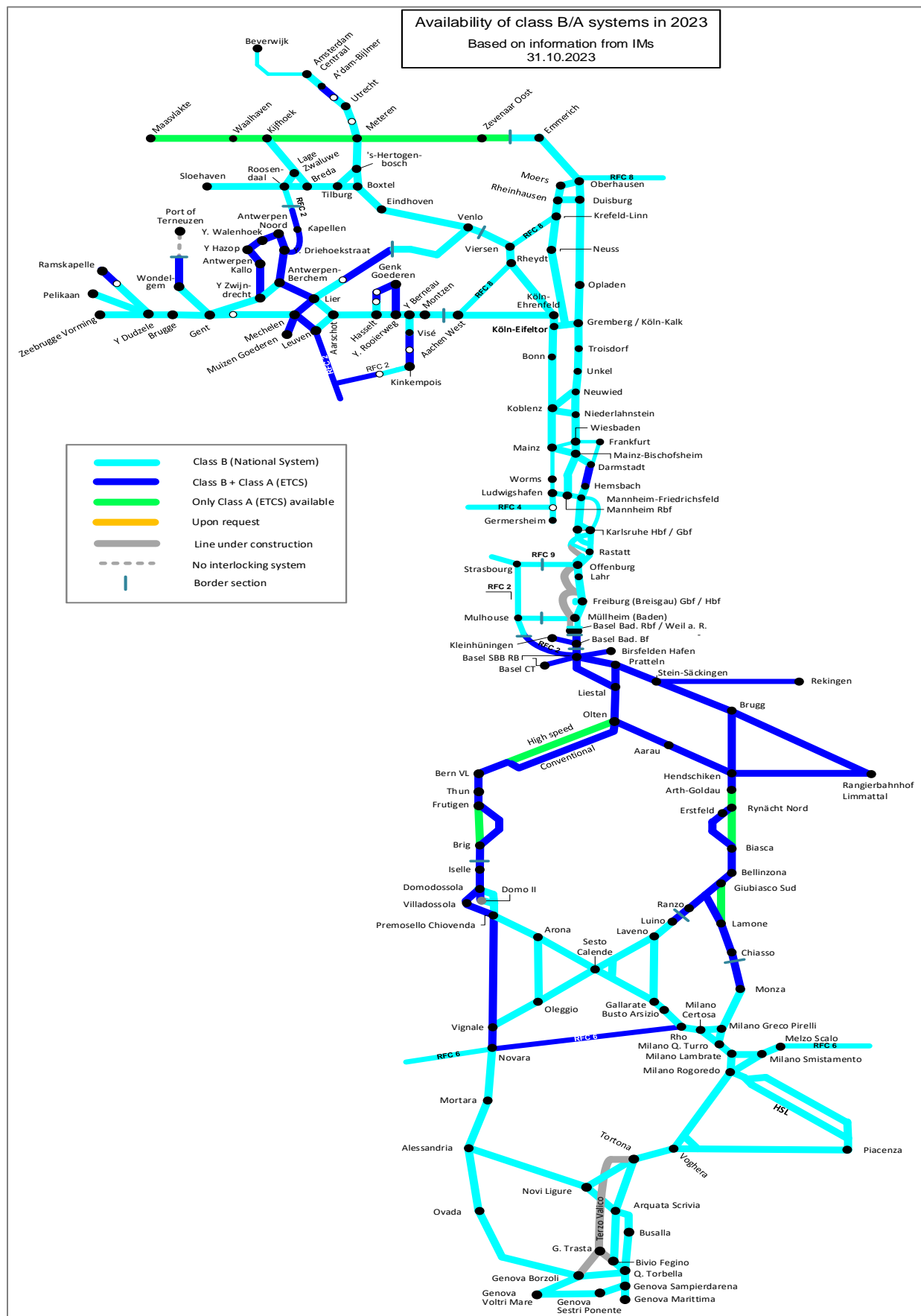


Figure 13 Availability Class B/A systems 2023

Availability of Class B/A systems 2026

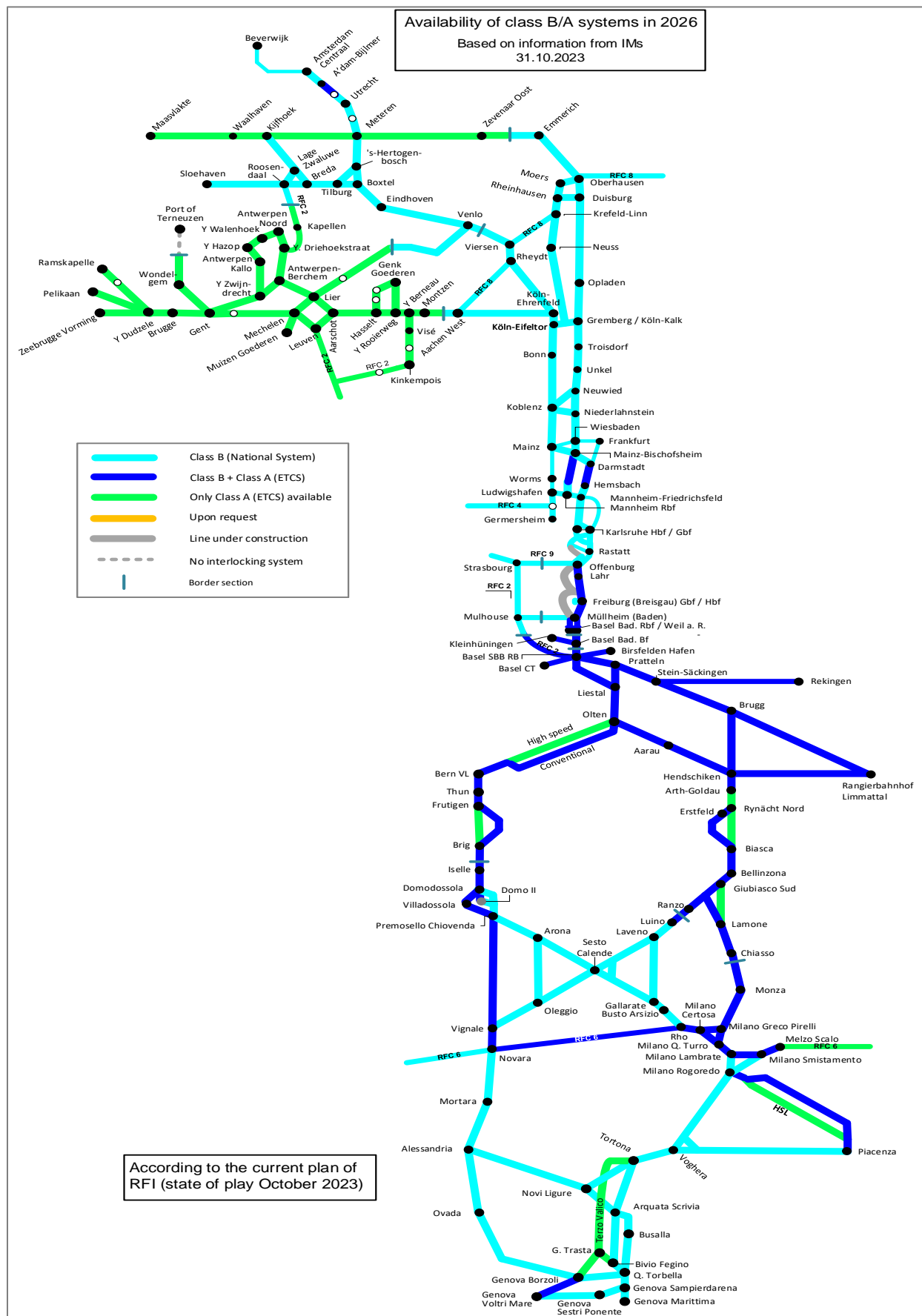


Figure 14 Availability Class B/A systems 2026

Availability of Class B/A systems 2029

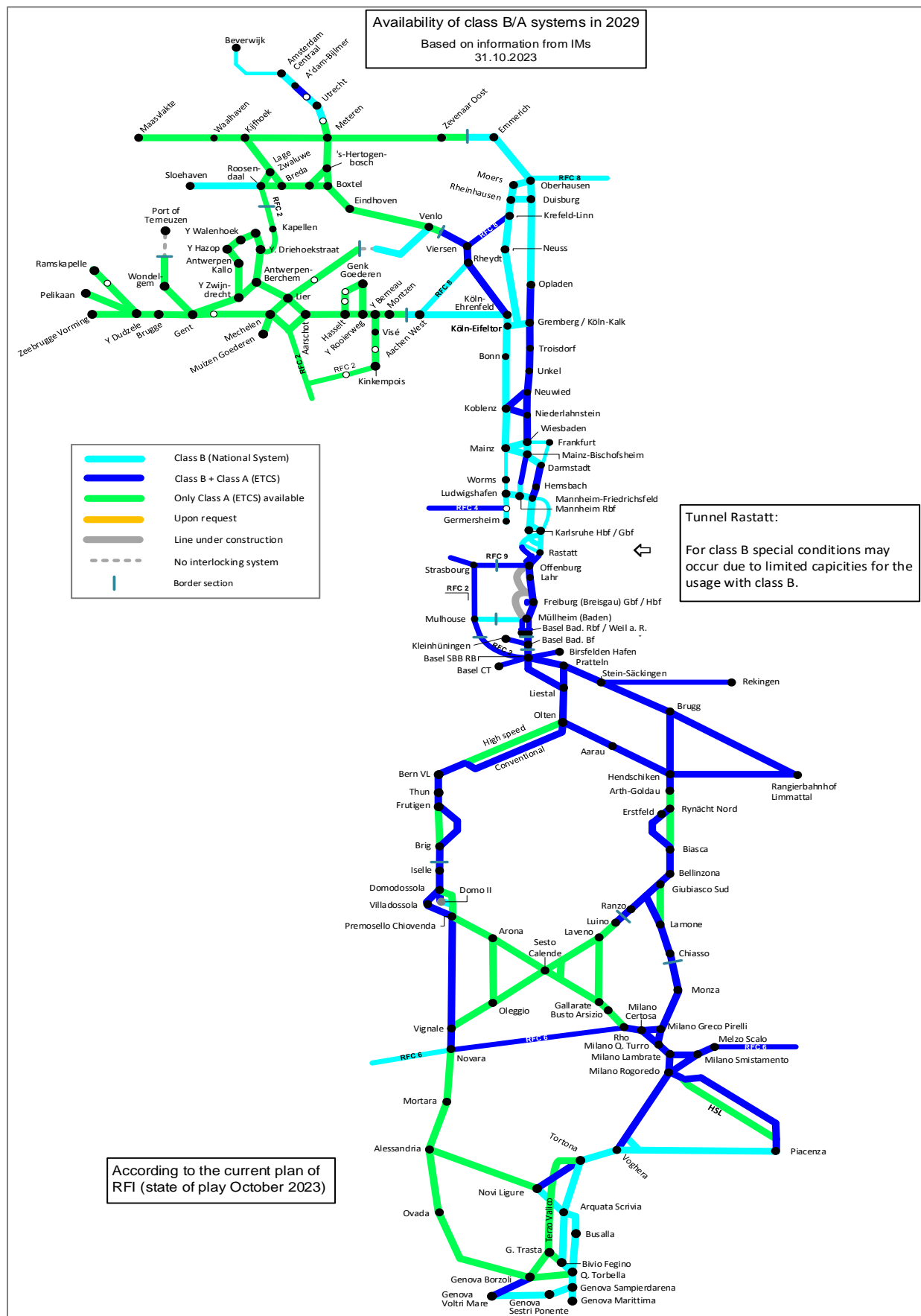


Figure 15 Availability Class B/A systems 2029

Availability of Class B/A systems 2032

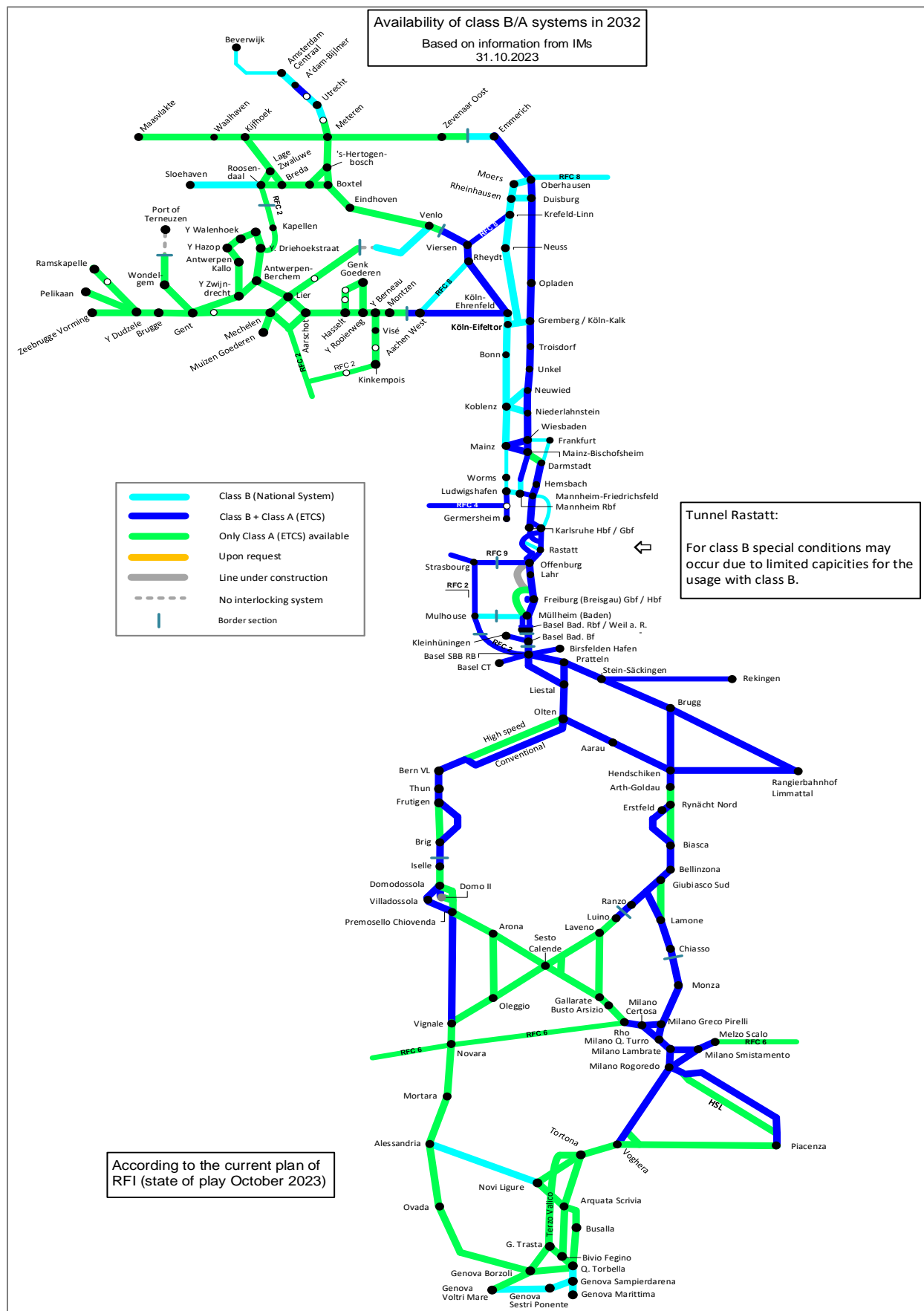


Figure 16 Availability Class B/A systems 2032

Cross-border installations

Directions for understanding the maps of the cross-border sections

Example Ranzo – Luino

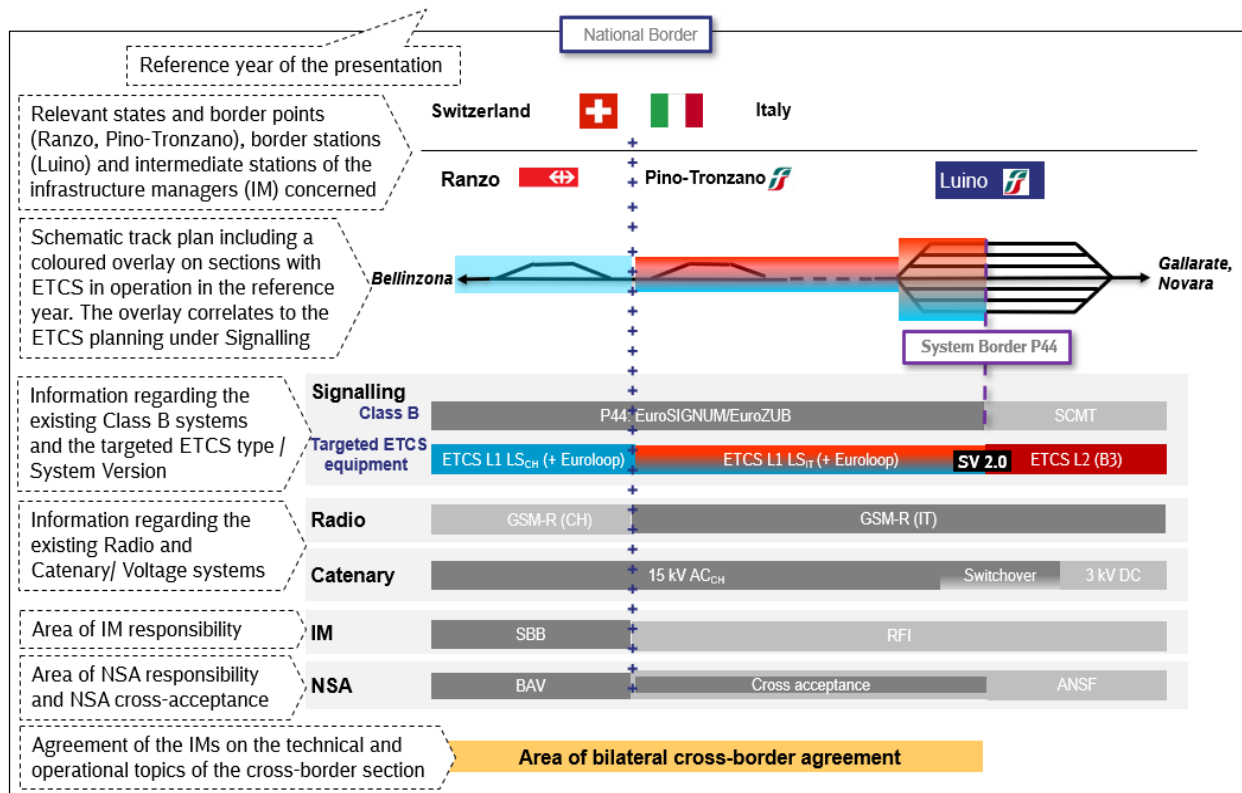


Figure 17 Directions for understanding the maps of the cross-border sections

Zevenaar Oost – Emmerich (2023)

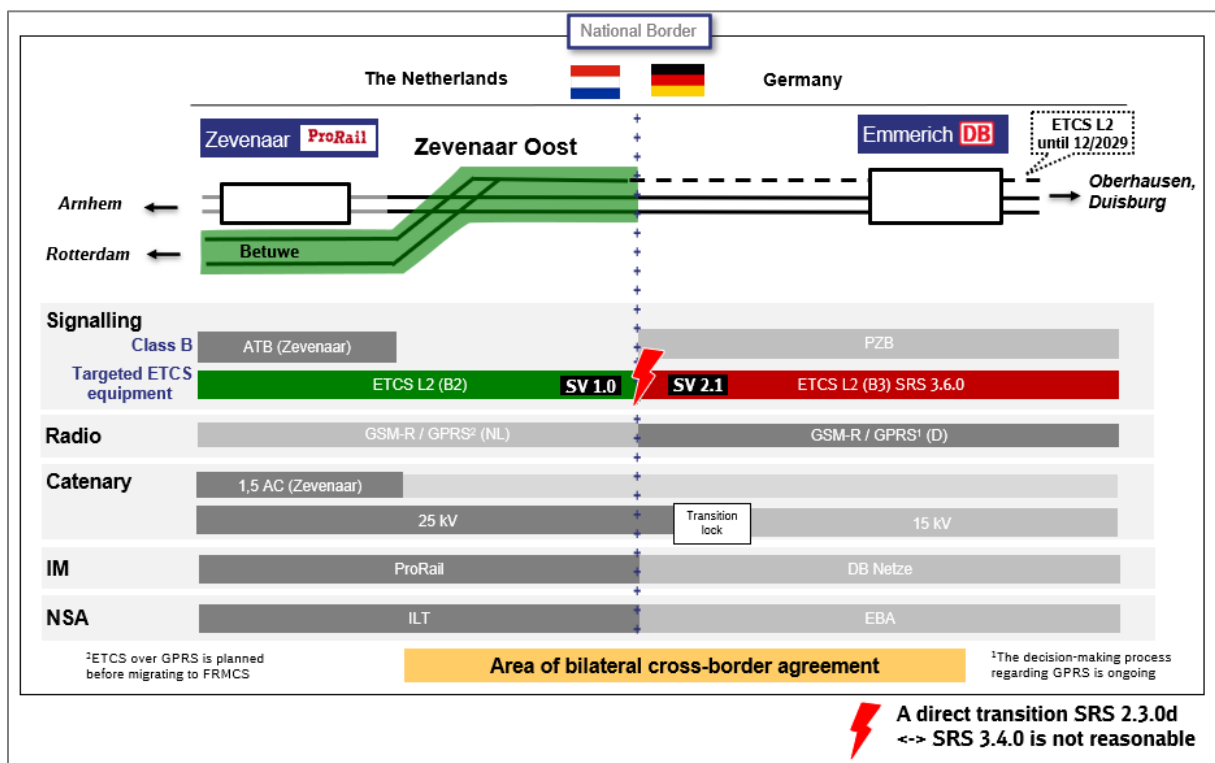


Figure 18 Zevenaar Oost – Emmerich (2023)

Zevenaar Oost – Emmerich (2030)

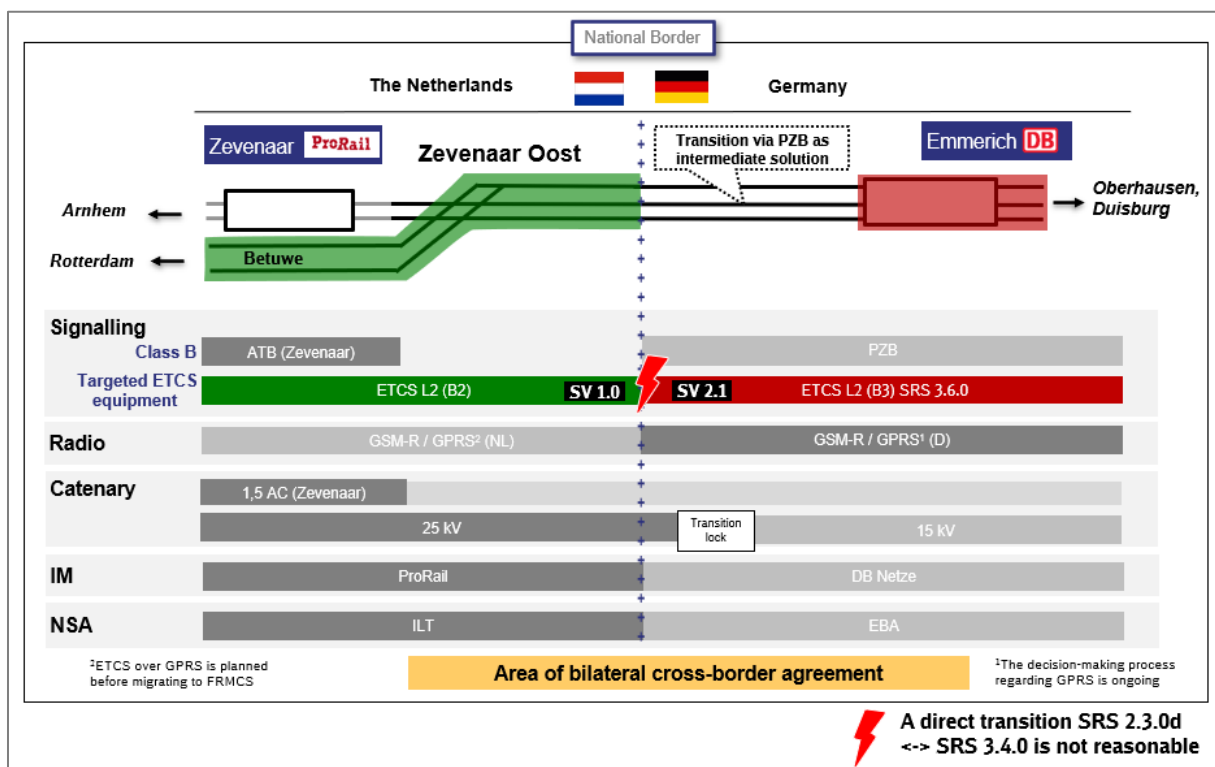


Figure 19 Zevenaar Oost – Emmerich (2030)

Zevenaar Oost – Emmerich (203x)

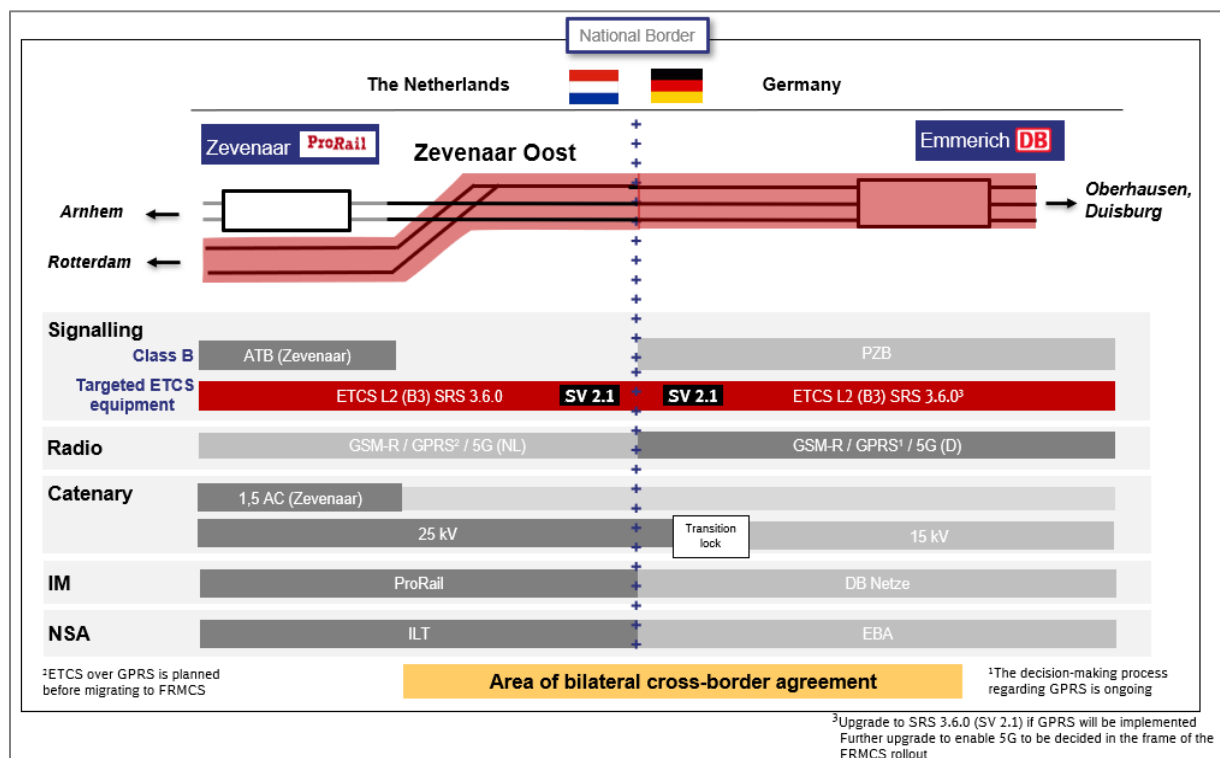


Figure 20 Zevenaar Oost – Emmerich (203x)

Venlo – Kaldenkirchen (2023)

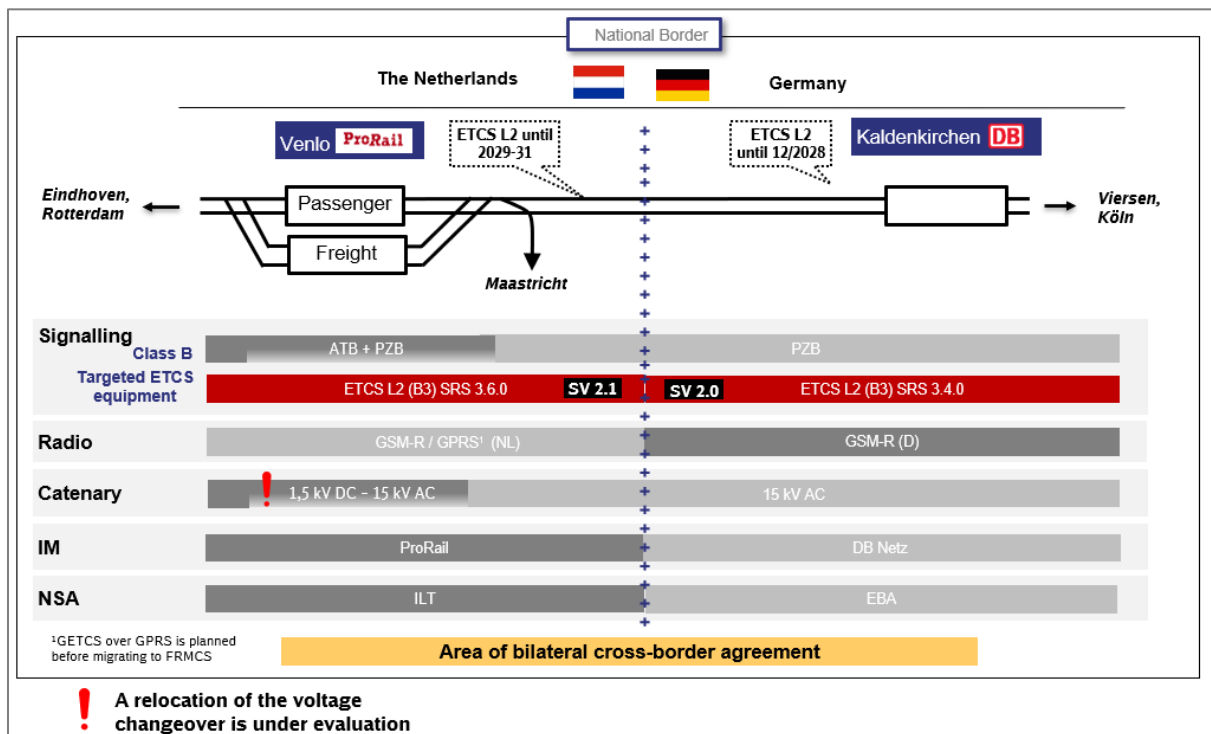


Figure 21 Venlo – Kaldenkirchen (2023)

Venlo – Kaldenkirchen (2029)

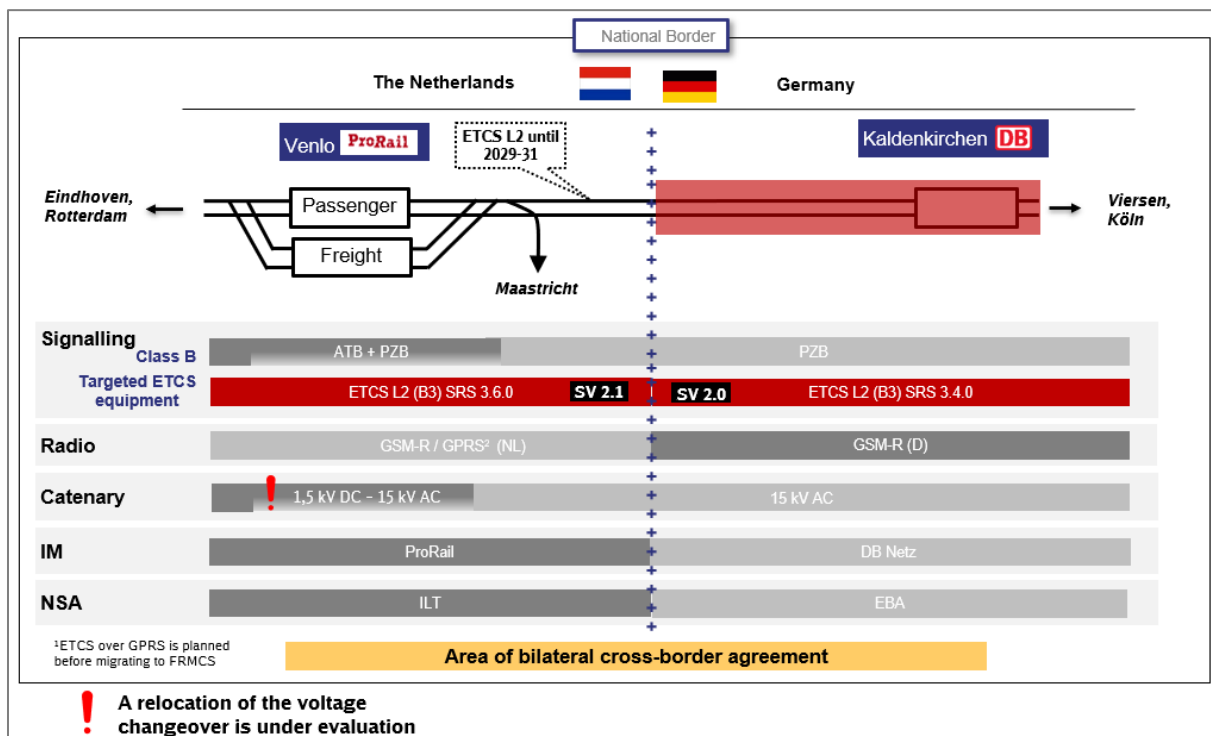


Figure 22 Venlo – Kaldenkirchen (2029)

Venlo – Kaldenkirchen (2029-31)

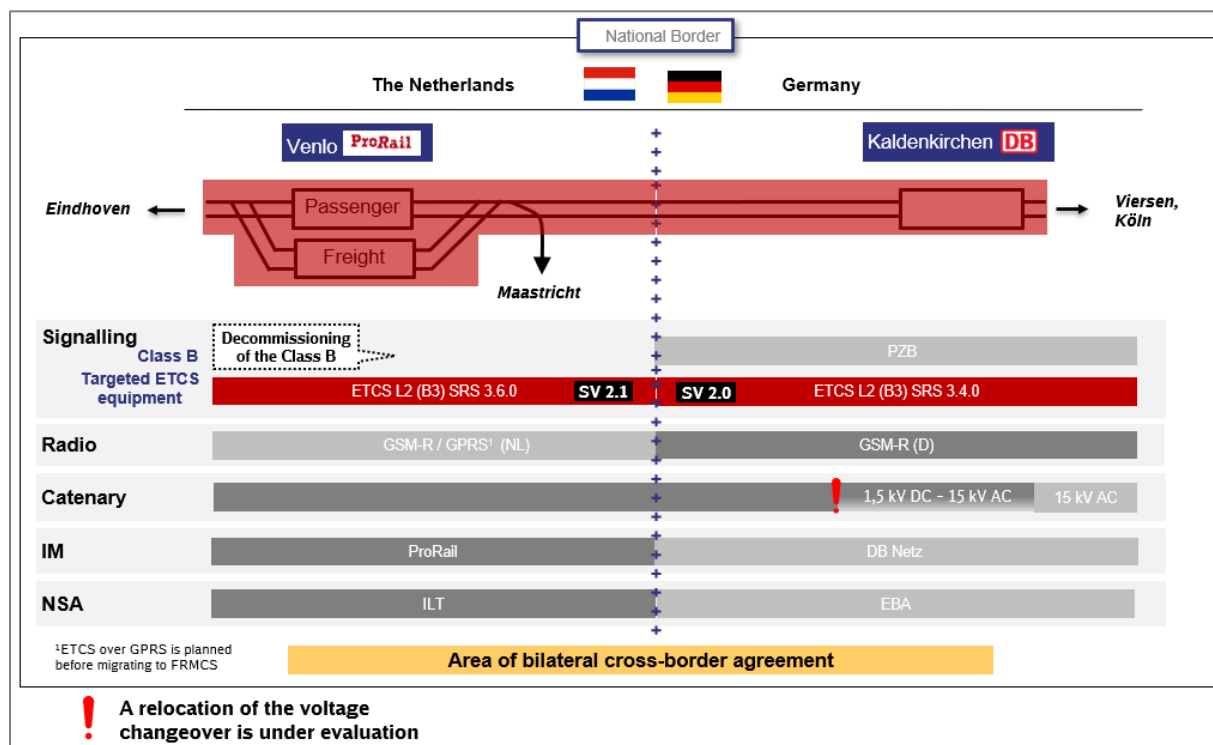


Figure 23 Venlo – Kaldenkirchen (2029-31)

Montzen – Aachen West (2023)

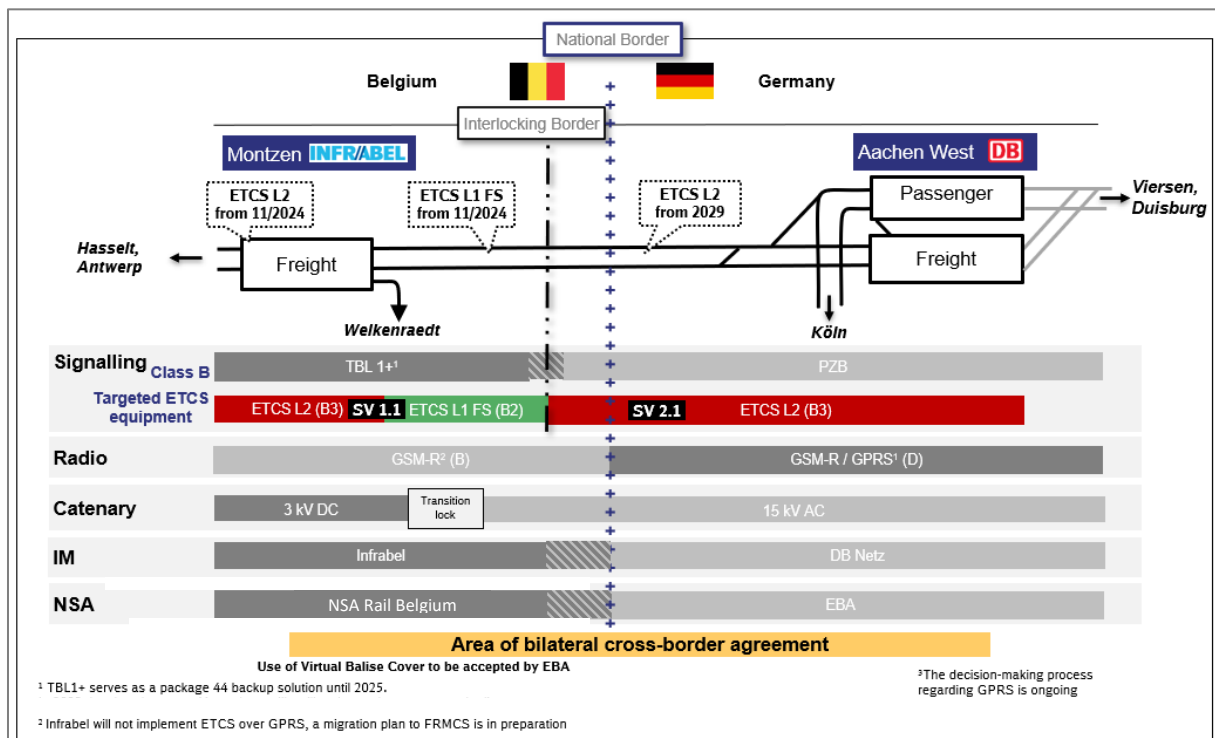


Figure 24 Montzen – Aachen West (2023)

Montzen – Aachen West (2025)

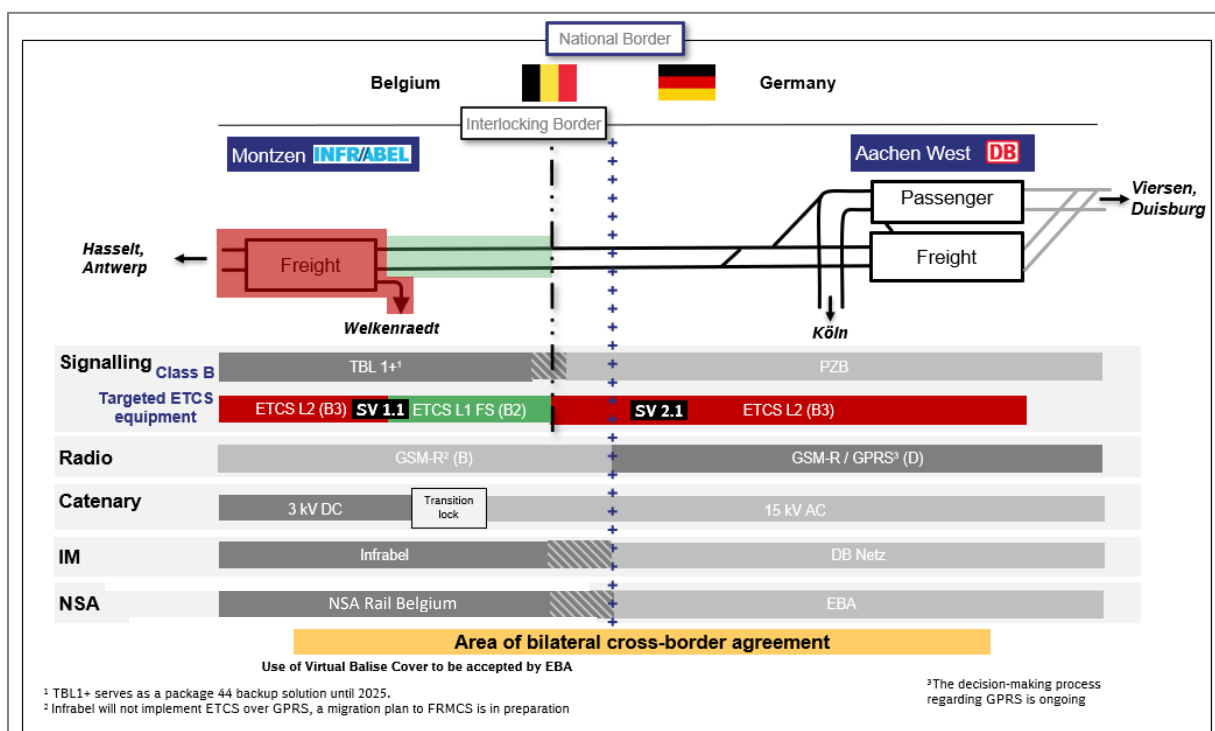


Figure 25 Montzen – Aachen West (2025)

Montzen – Aachen West (2026)

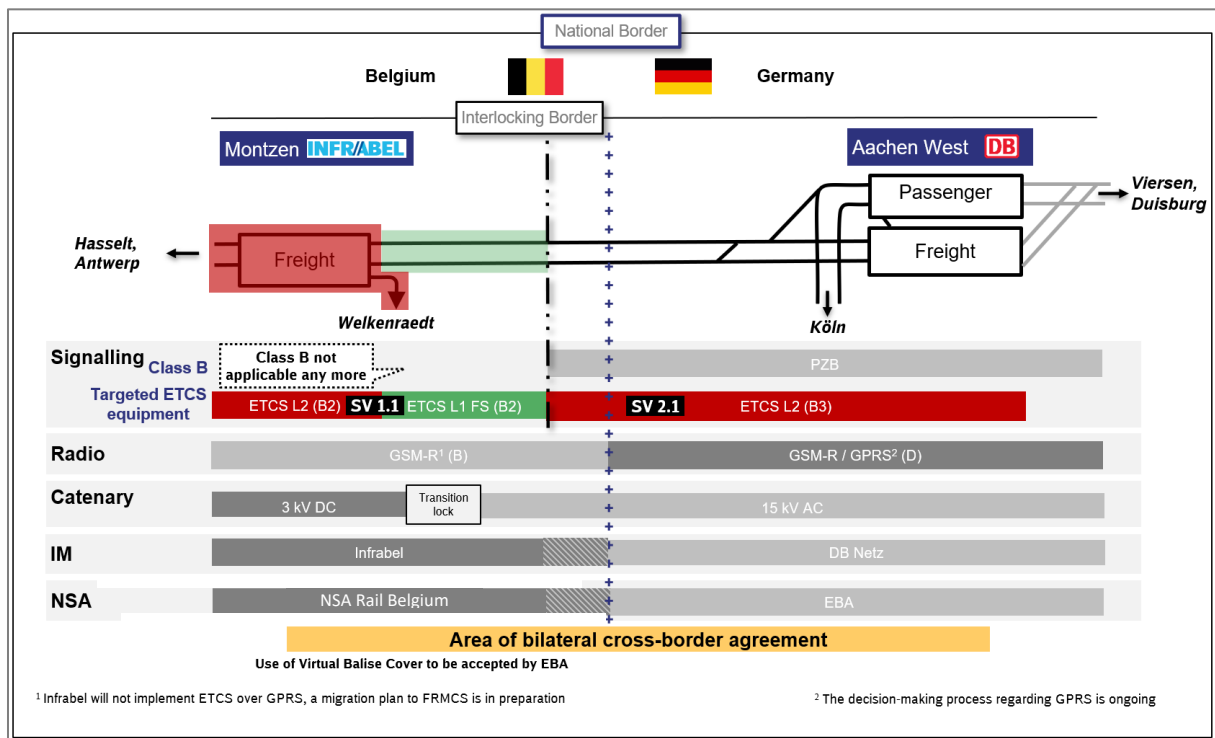


Figure 26 Montzen – Aachen West (2026)

Montzen – Aachen West (2029)

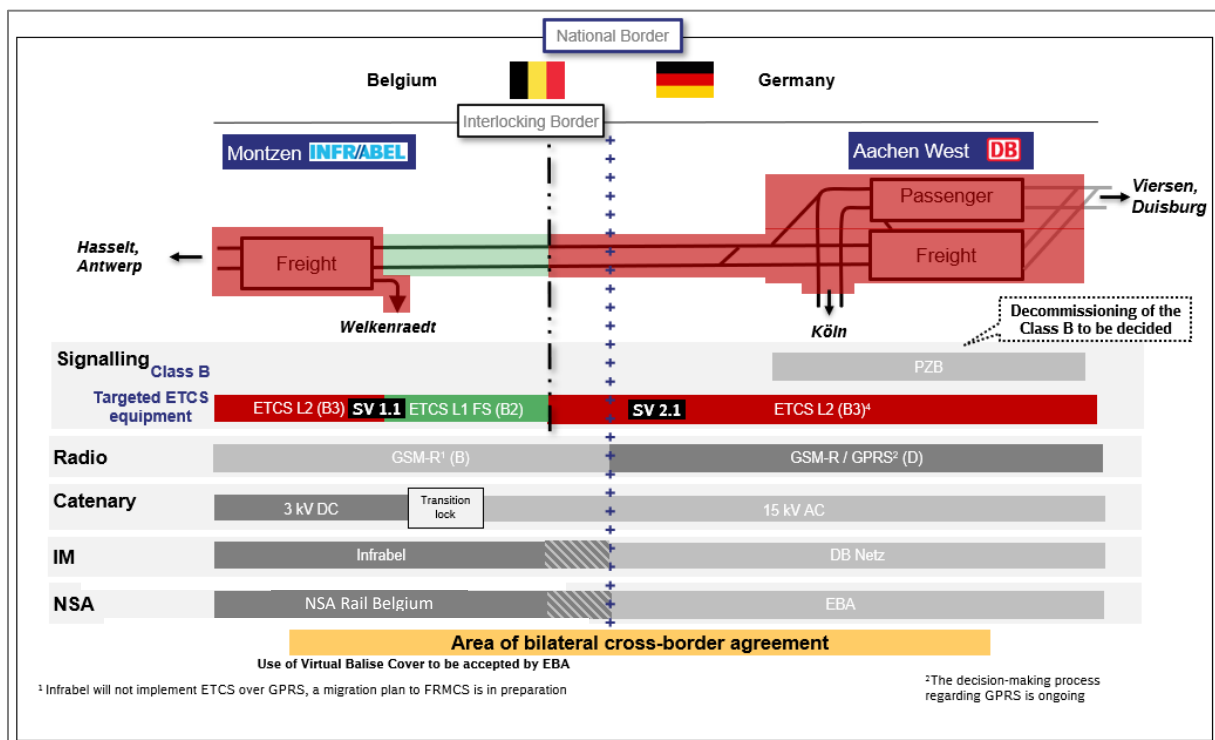


Figure 27 Montzen – Aachen West (2029)

Welkenraedt – Aachen Hbf (2023)

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

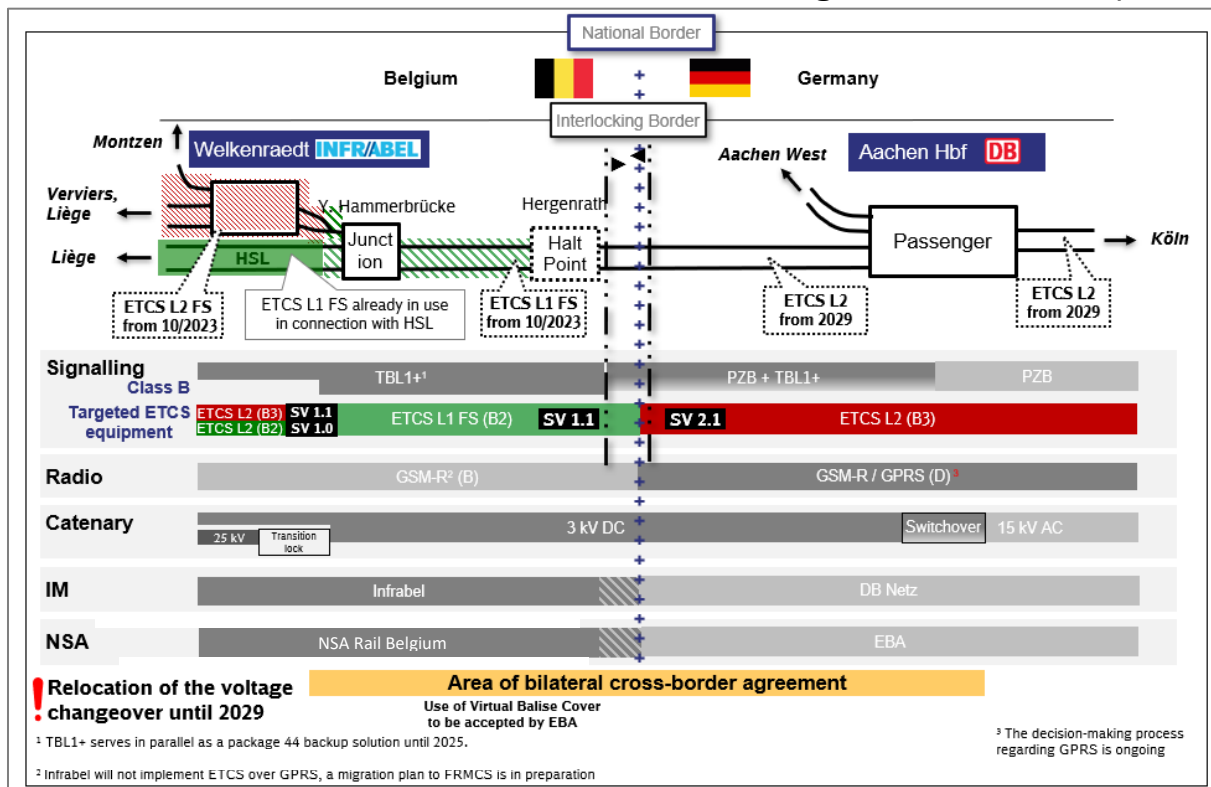


Figure 28 Welkenraedt – Aachen Hbf (2023)

Welkenraedt – Aachen Hbf (2024)

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

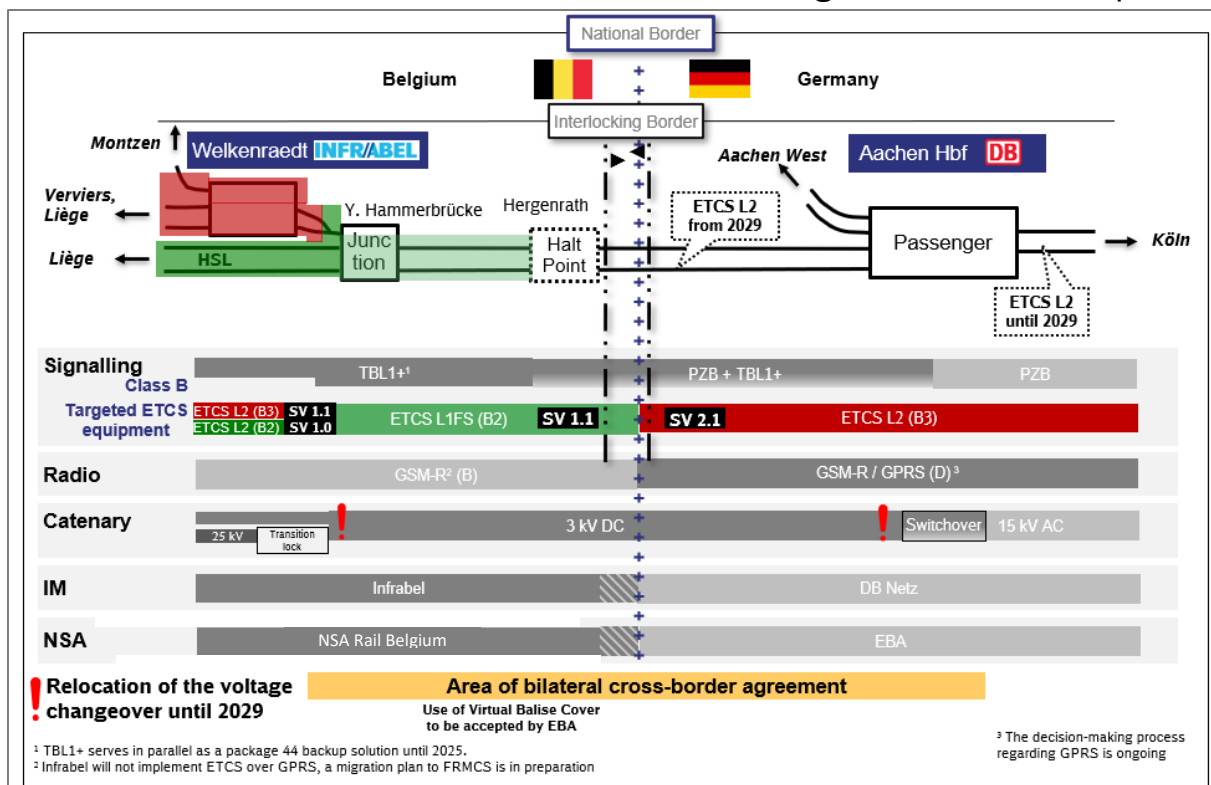


Figure 29 Welkenraedt – Aachen Hbf (2023)

Welkenraedt – Aachen Hbf (2026)

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

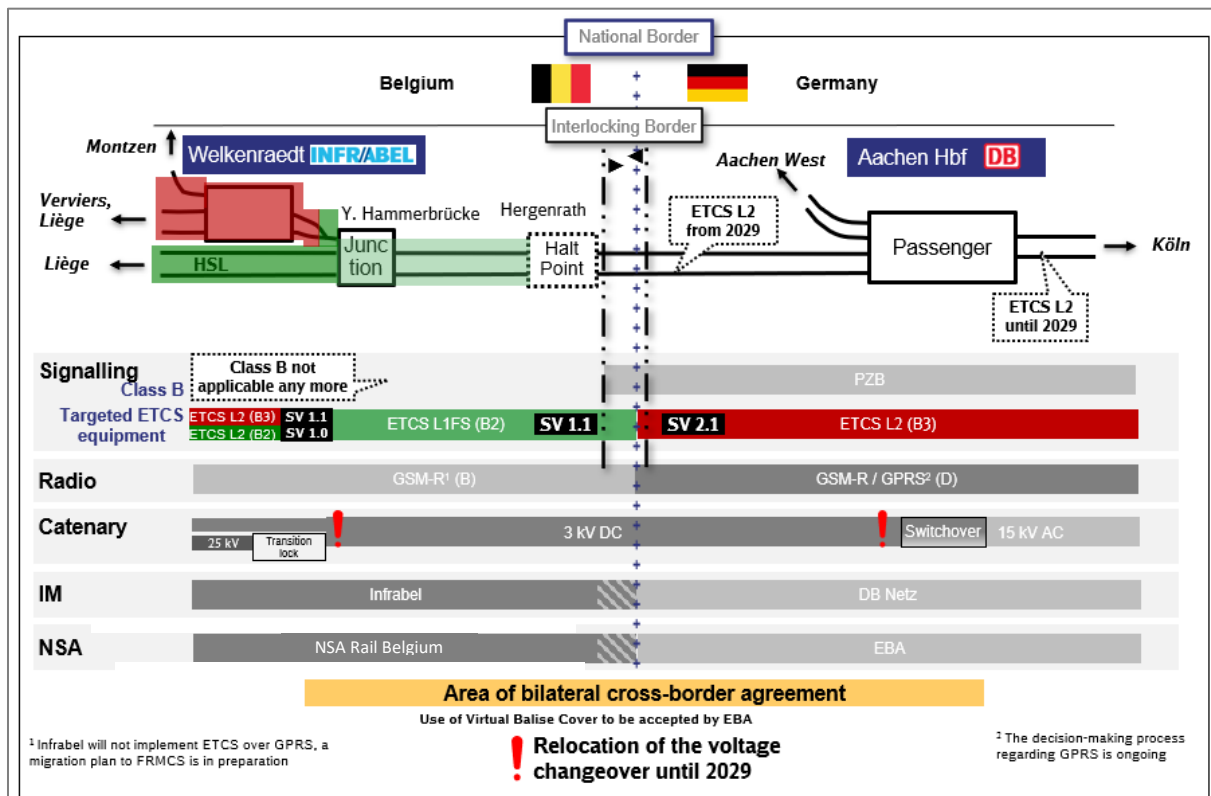


Figure 30 Welkenraedt – Aachen Hbf (2026)

Welkenraedt – Aachen Hbf (2029)

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

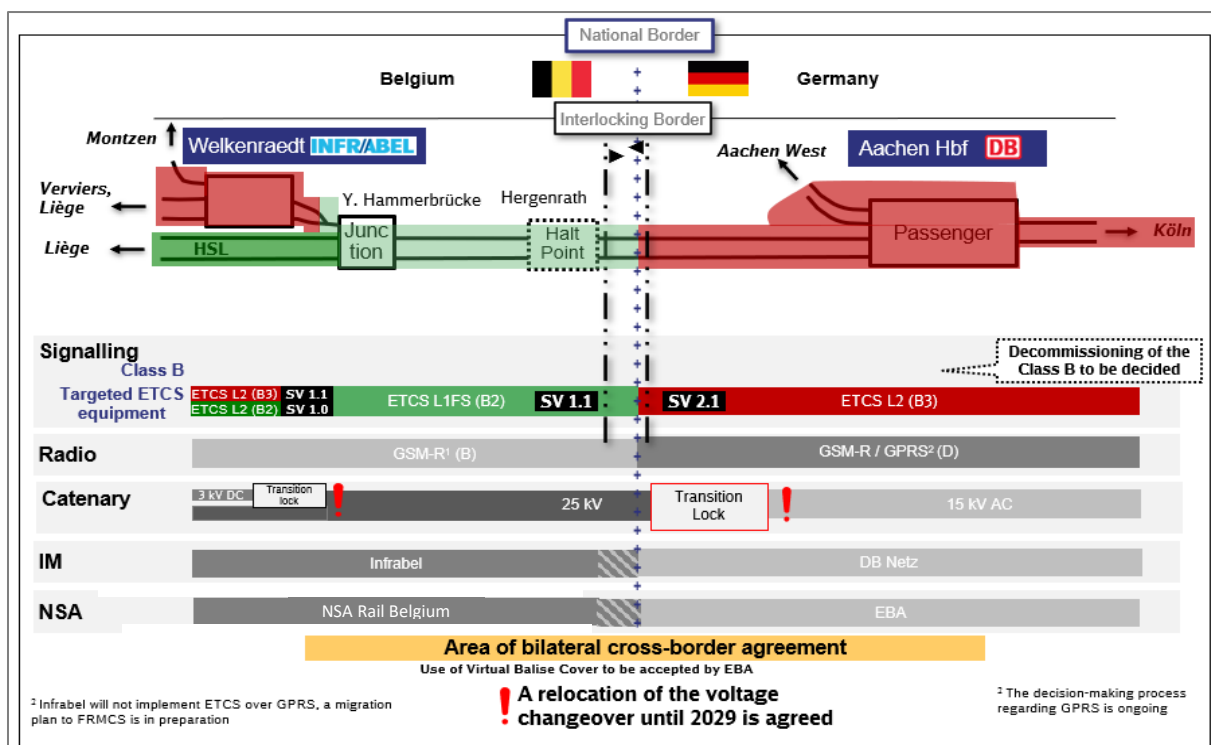


Figure 31 Welkenraedt – Aachen Hbf (2029)

Sas van Gent – Gent Zeehaven (2023)

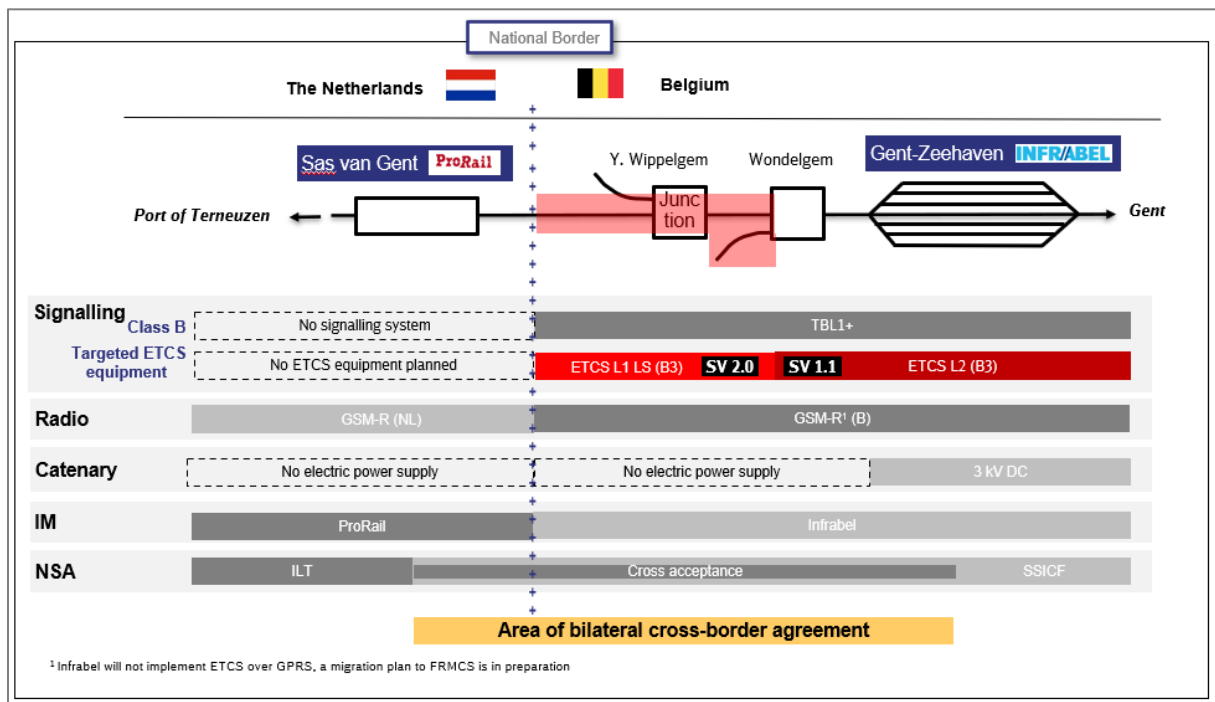


Figure 32 Sas van Gent – Gent Zeehaven (2023)

Sas van Gent – Gent Zeehaven (2024)

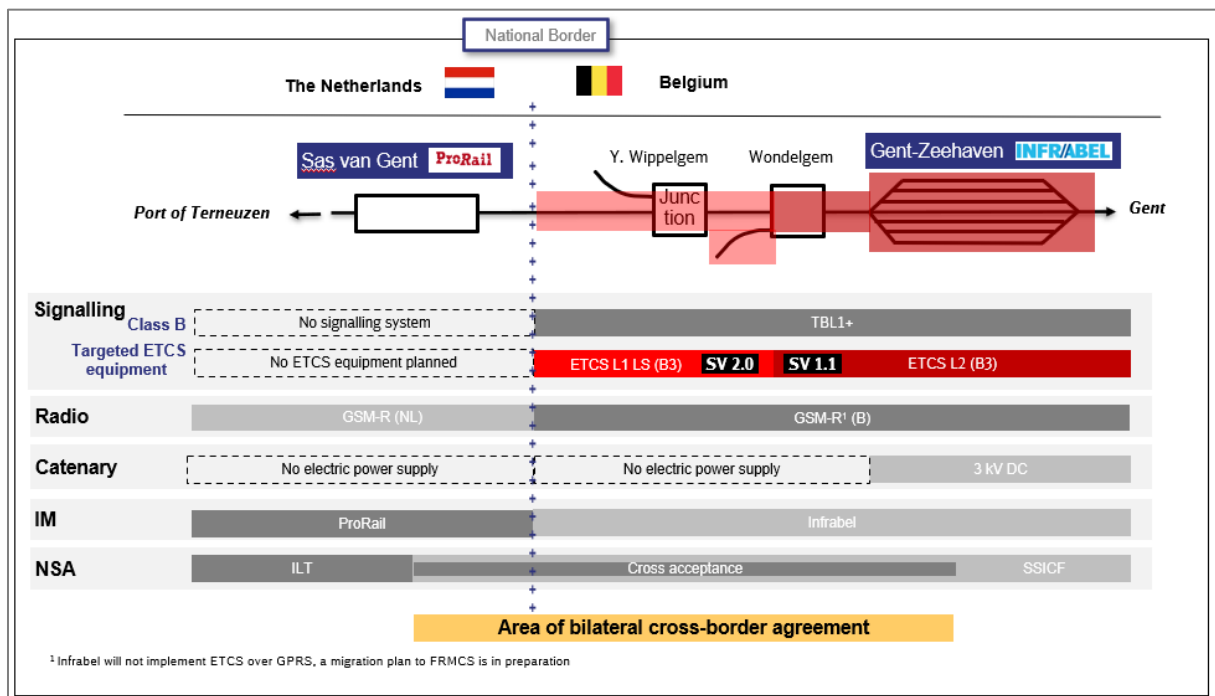


Figure 33 Sas van Gent – Gent Zeehaven (2024)

Sas van Gent – Gent Zeehaven (2026)

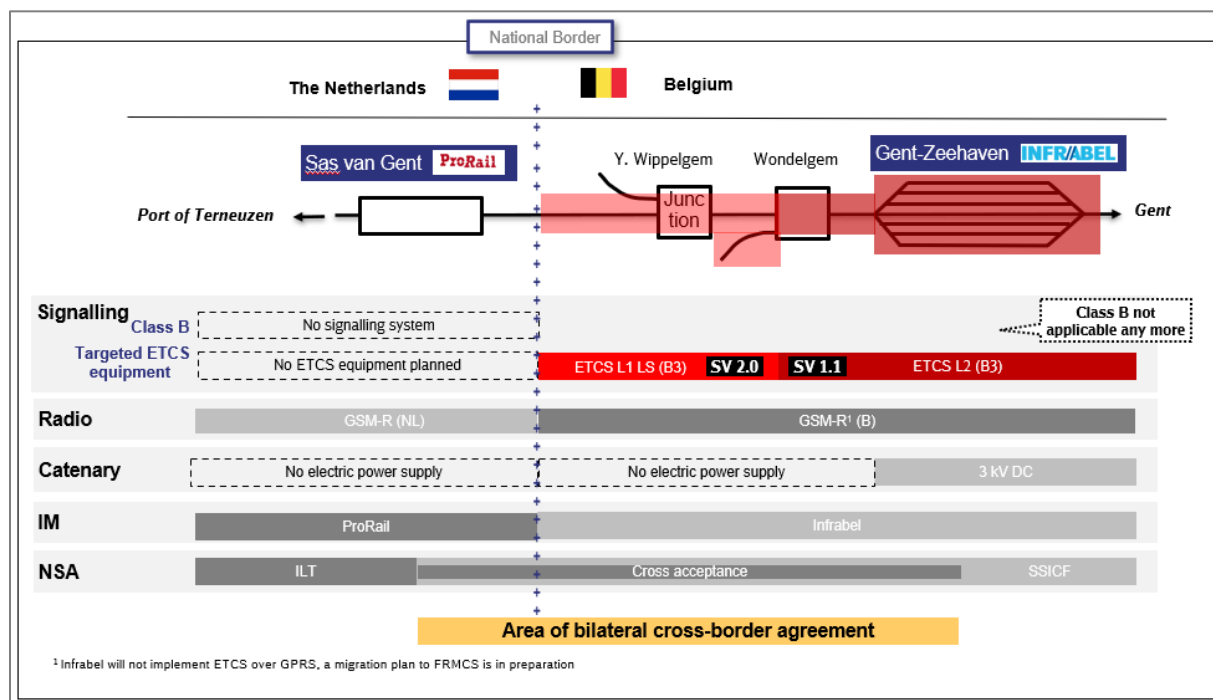


Figure 34 Sas van Gent – Gent Zeehaven (2026)

Weil a. R. – Basel Bad. Bf – MuttENZ RB (06/2024)

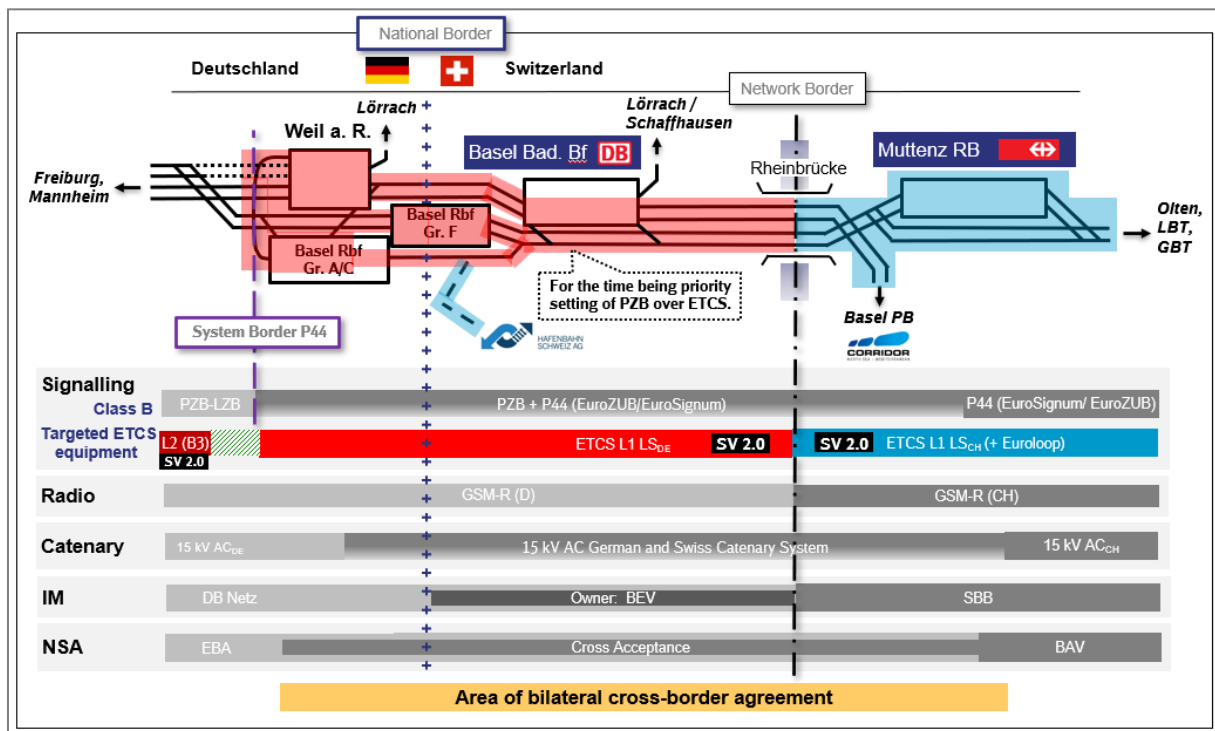


Figure 35 Weil a. R. – Basel Bad. Bf – MuttENZ RB (06/2024)

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

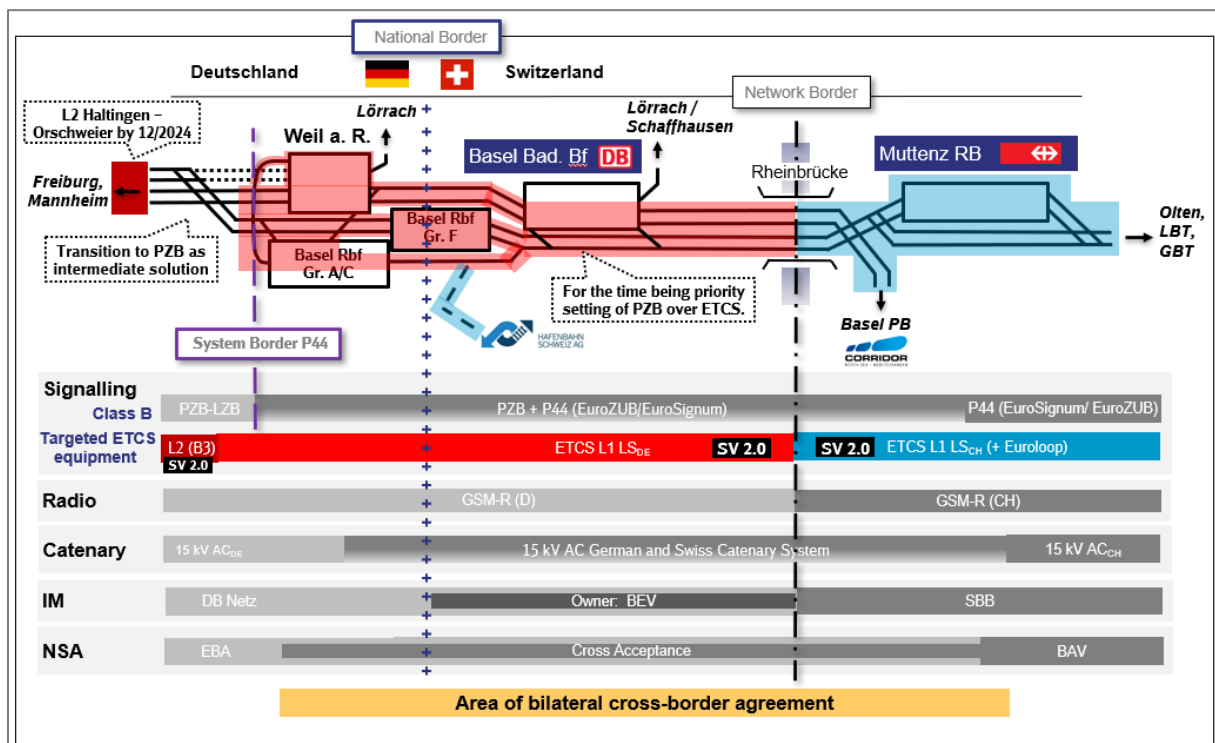


Figure 36 Weil a. R. – Basel Bad. Bf – MuttENZ RB (12/2024)

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

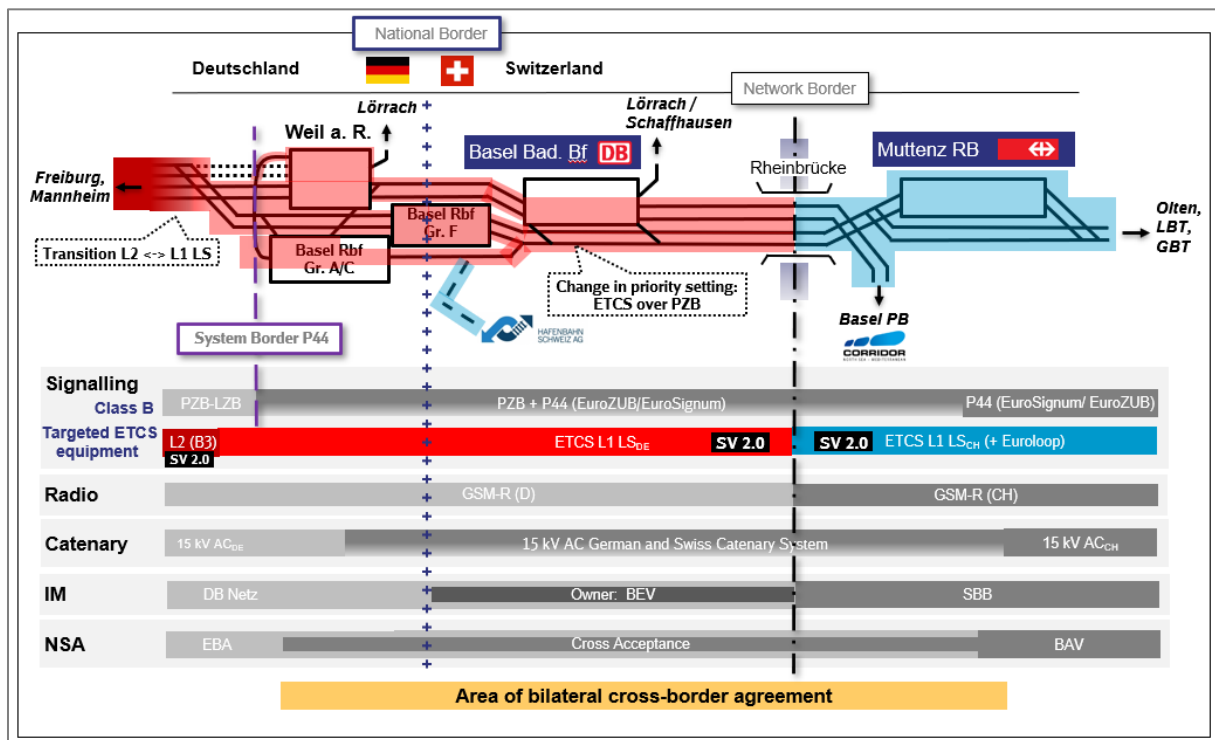


Figure 37 Weil a. R. – Basel Bad. Bf – Muttentz RB (12/2026)

Brig – Iselle – Domodossola (2023)

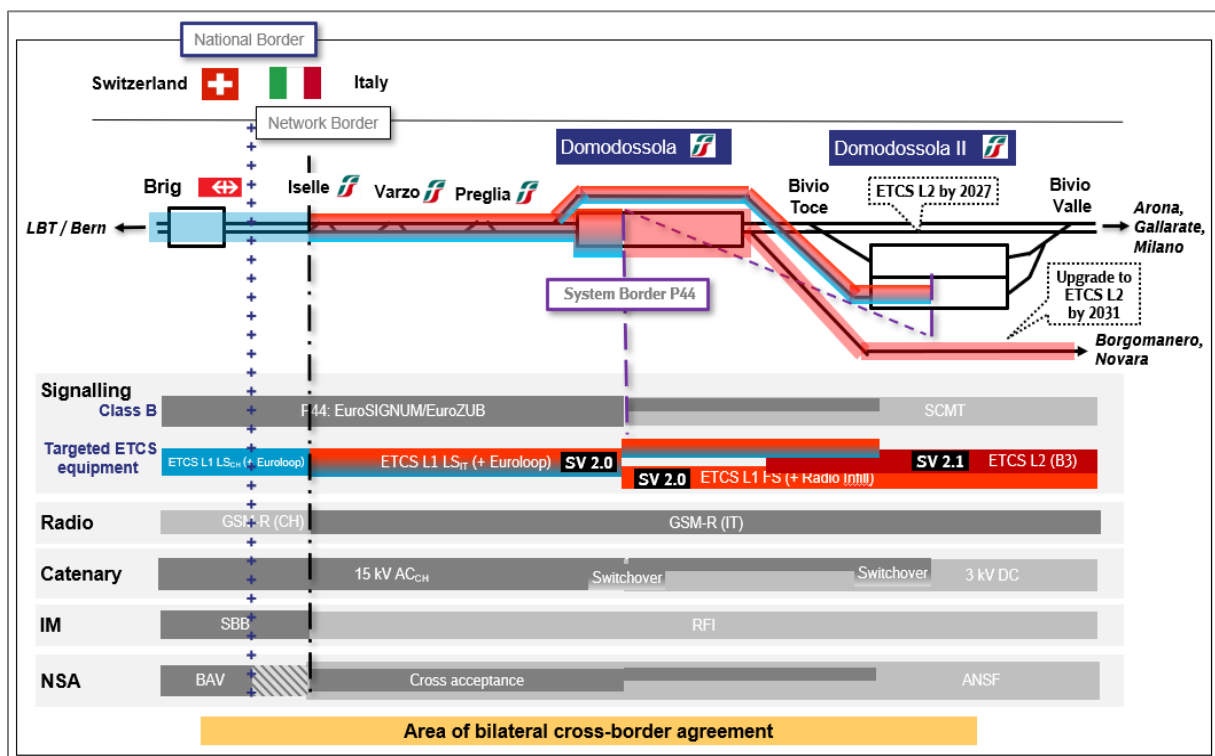


Figure 38 Brig – Iselle – Domodossola (2023)

Brig – Iselle – Domodossola (2026)

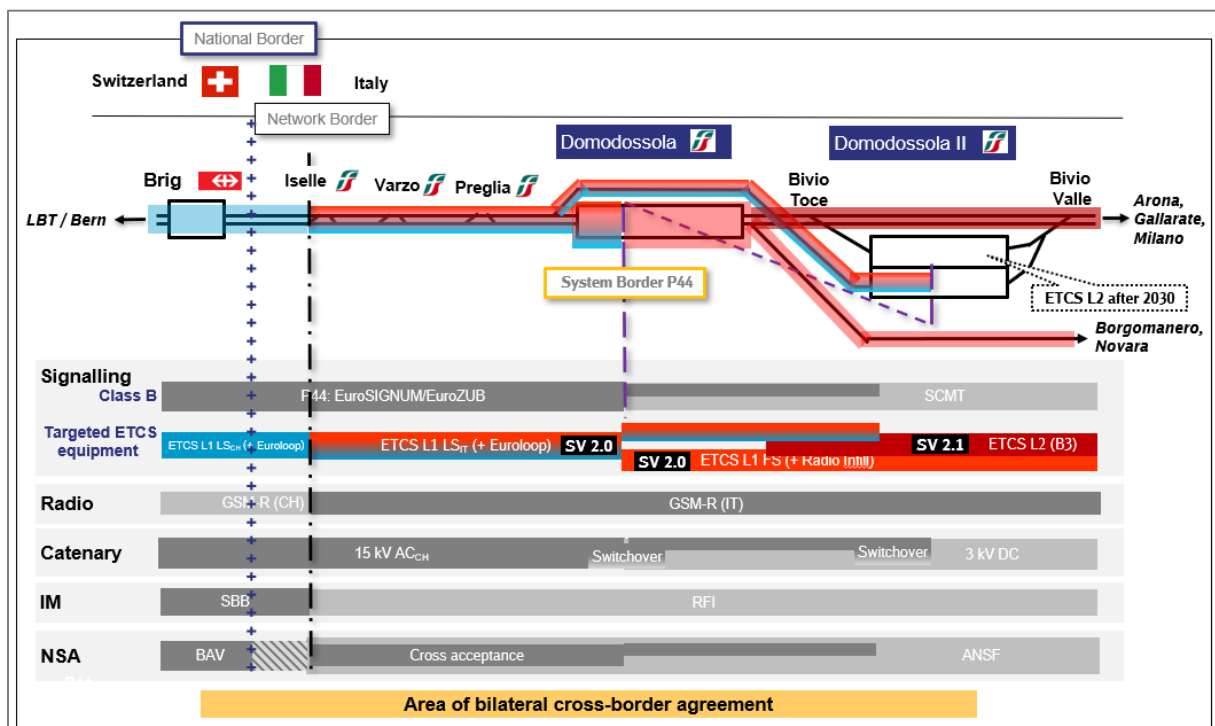


Figure 39 Brig – Iselle – Domodossola (2026)

Brig – Iselle – Domodossola (2031)

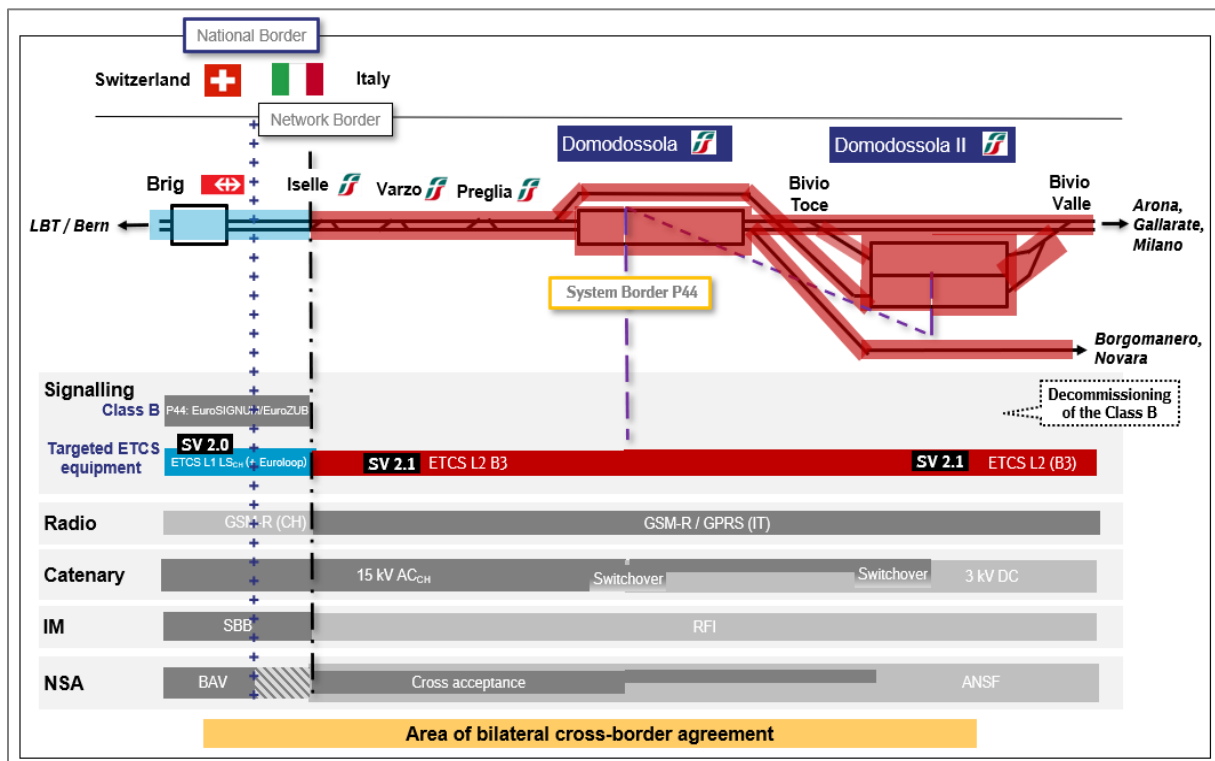


Figure 40 Brig – Iselle – Domodossola (2031)

Ranzo – Luino (2023)

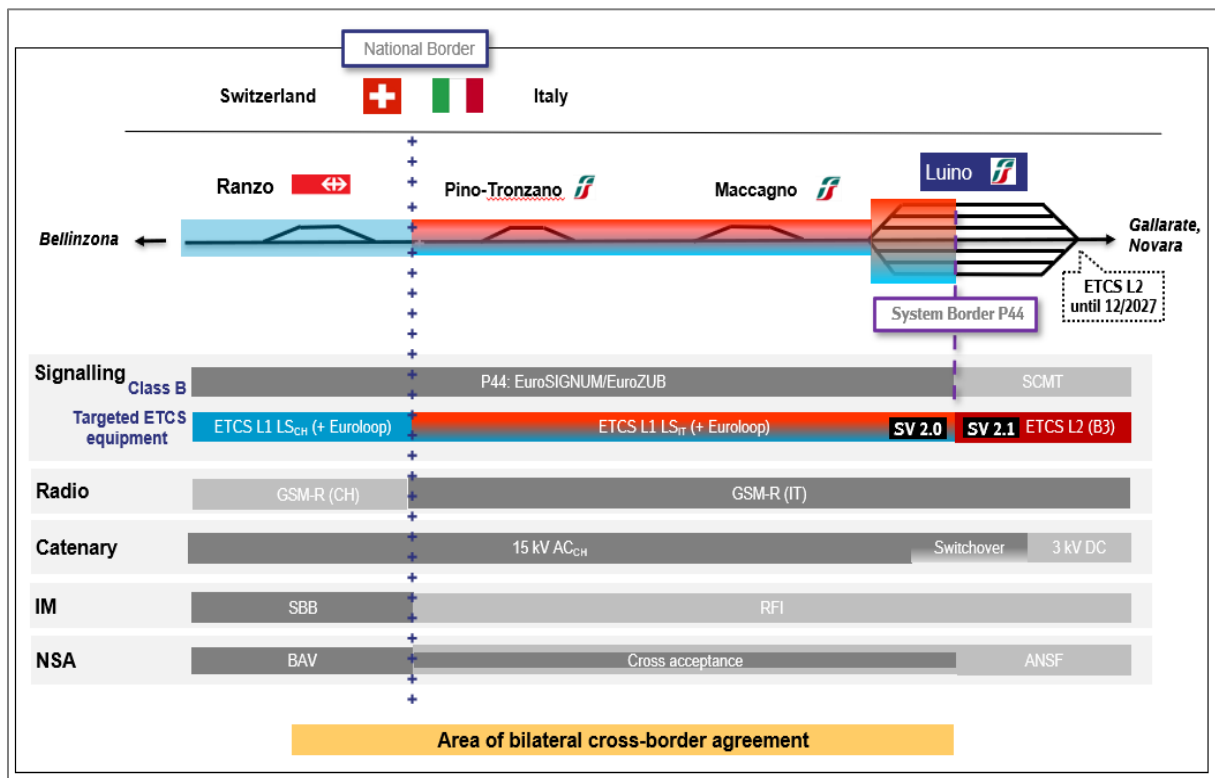


Figure 41 Ranzo – Luino (2023)

Ranzo – Luino (2028)

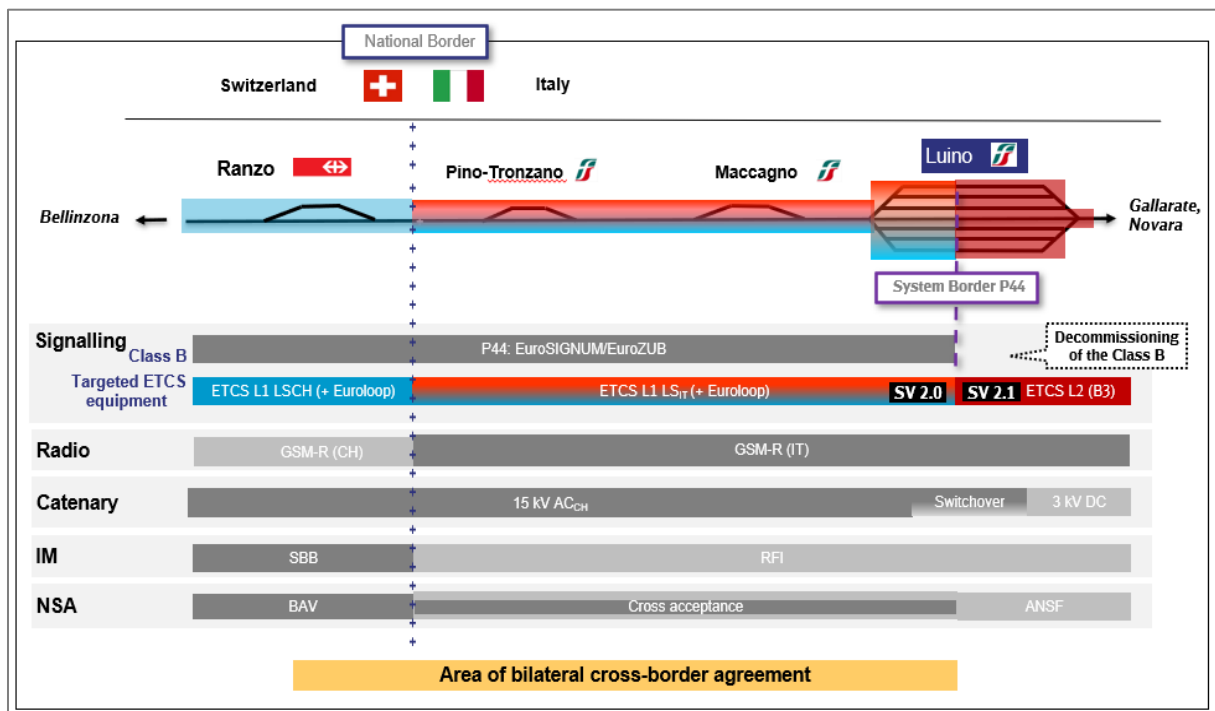


Figure 42 Ranzo – Luino (2028)

Ranzo – Luino (2031)

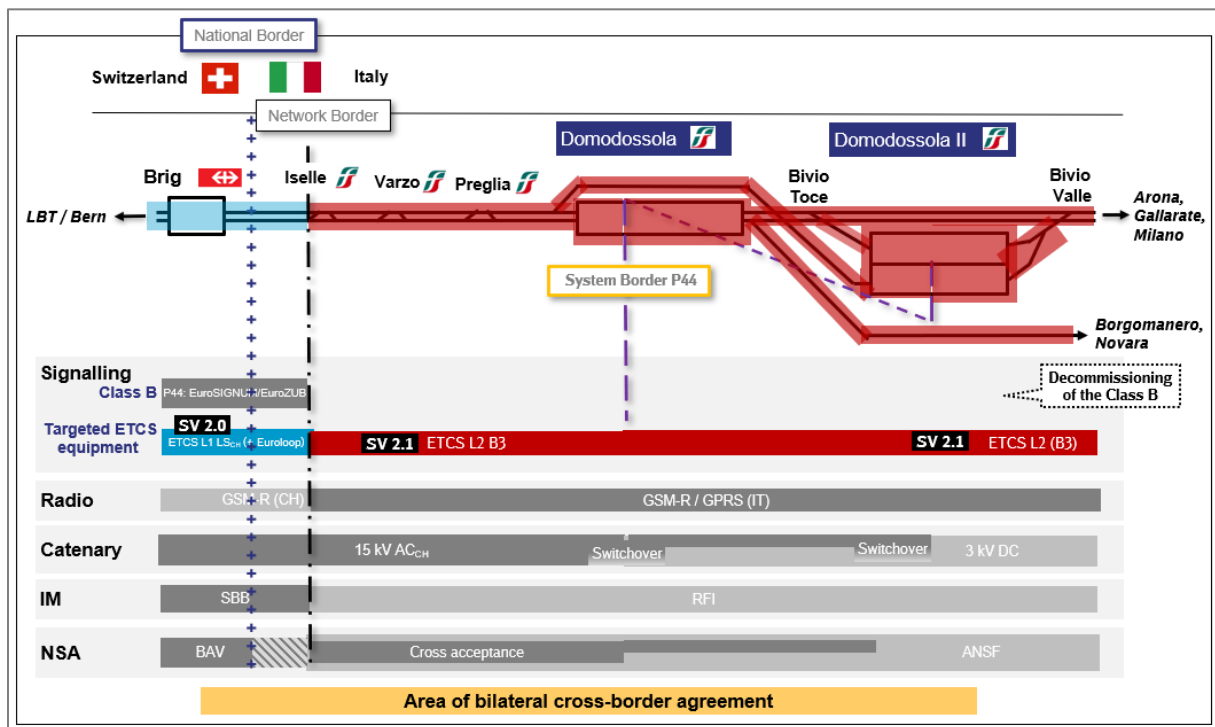


Figure 43 Ranzo – Luino (2031)

Chiasso (2023)

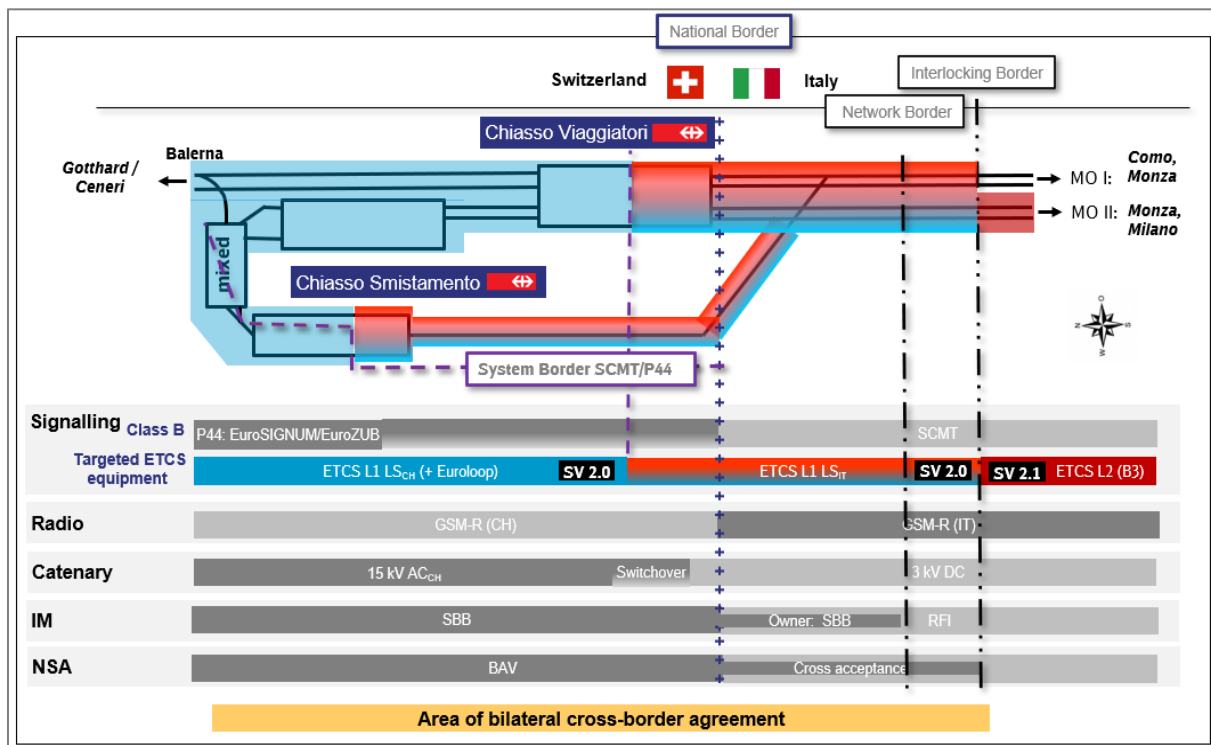


Figure 44 Chiasso 2023

Chiasso (2025)

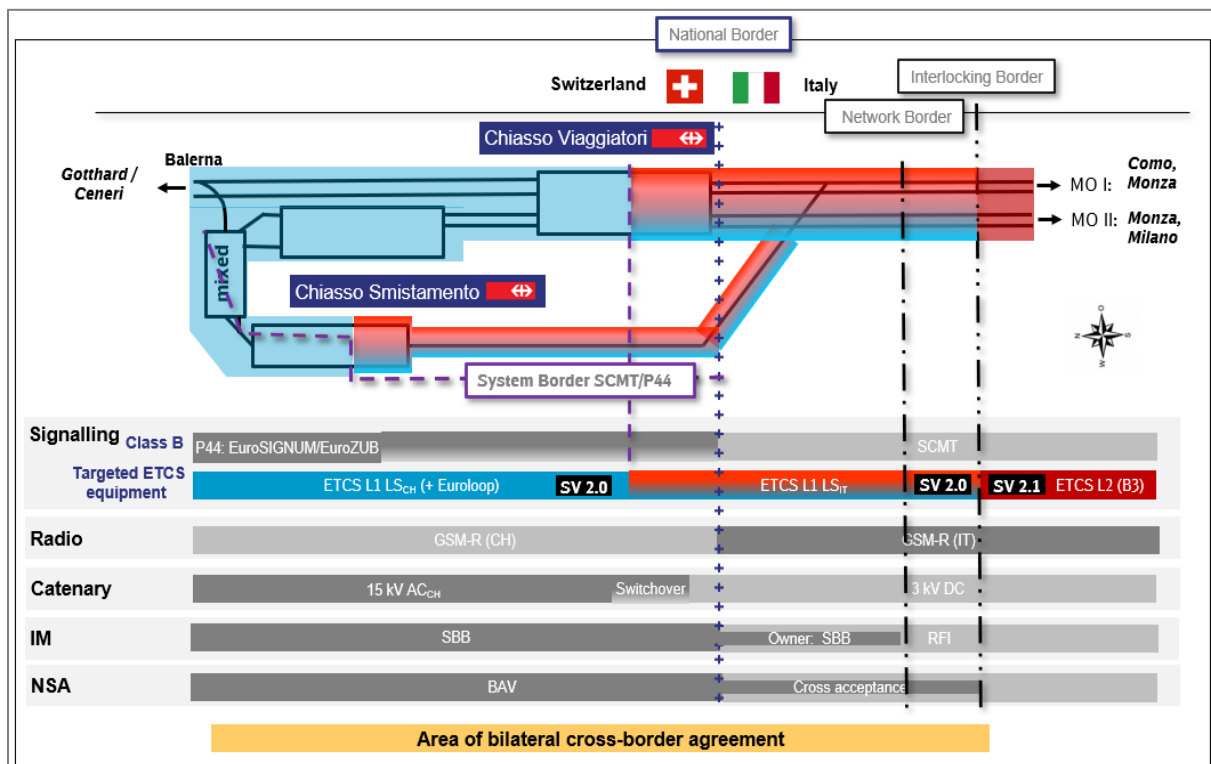


Figure 45 Chiasso 2025

Chiasso (2031)

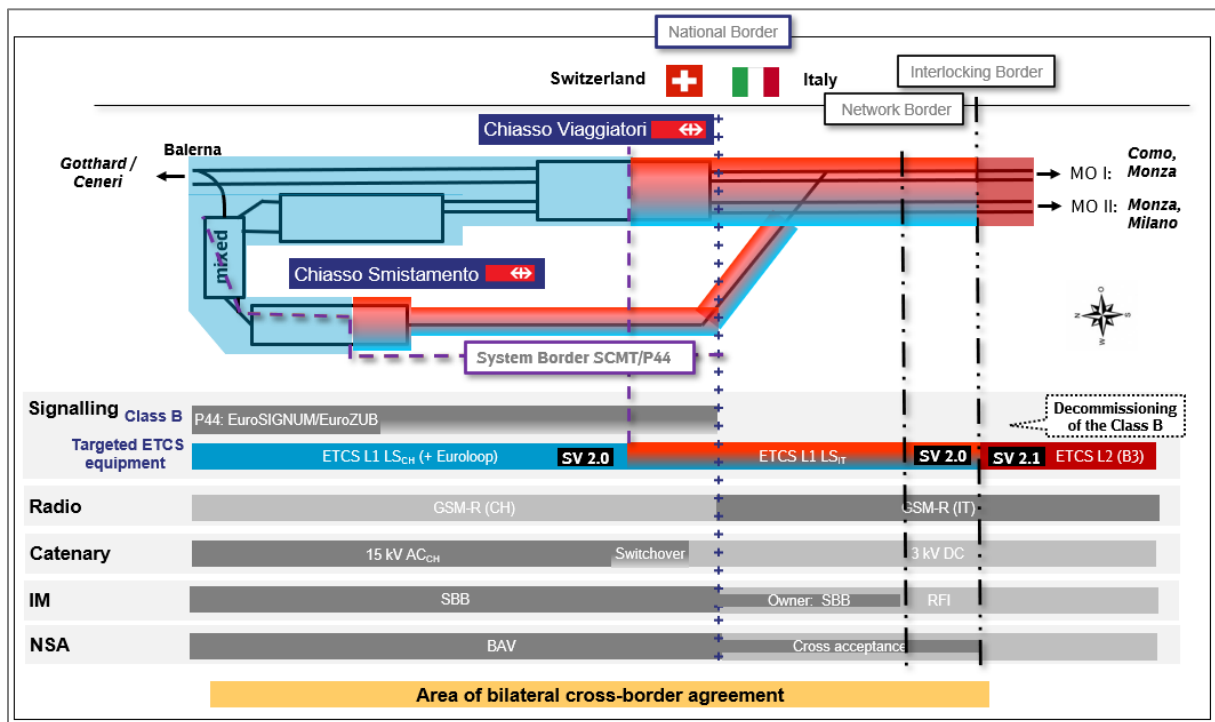


Figure 46 Chiasso 2031