

# NETWORK STATEMENT 2024





**Edition:**

**DIRECCIÓN GENERAL DE NEGOCIO Y OPERACIONES COMERCIALES**

**Dirección de Explotación Comercial**

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# 9

## MAPS



/ 1. GRAL. INF.

/ 2. INFRASTR.

/ 3. ACCES. COND.

/ 4. CAPACITY  
ALLOCATION

/ 5. SERVICES  
AND CHARGES

/ 6. OPERATIONS

/ 7. SERVICE  
FACILITIES

/ 8. ANNEXES

/ **9. MAPS**

/ 10. CATALOG.

# MAPS RFIG

## Map RFIG

Rail Network of General Interest, RFIG.

## Map 1

Passenger transport stations, Maximum length of passenger trains, Commuter Hubs and Distances in Kilometers.

## Map 2

Main Freight Transport Terminals, Fuel Supply Fix Points, Maximum Length of Freight Trains, Dynamic Weighbridges, characteristic Ramps in thousandths and Ports of General Interest with Connection Agreement to the General Interest Rail Network

## Map 3

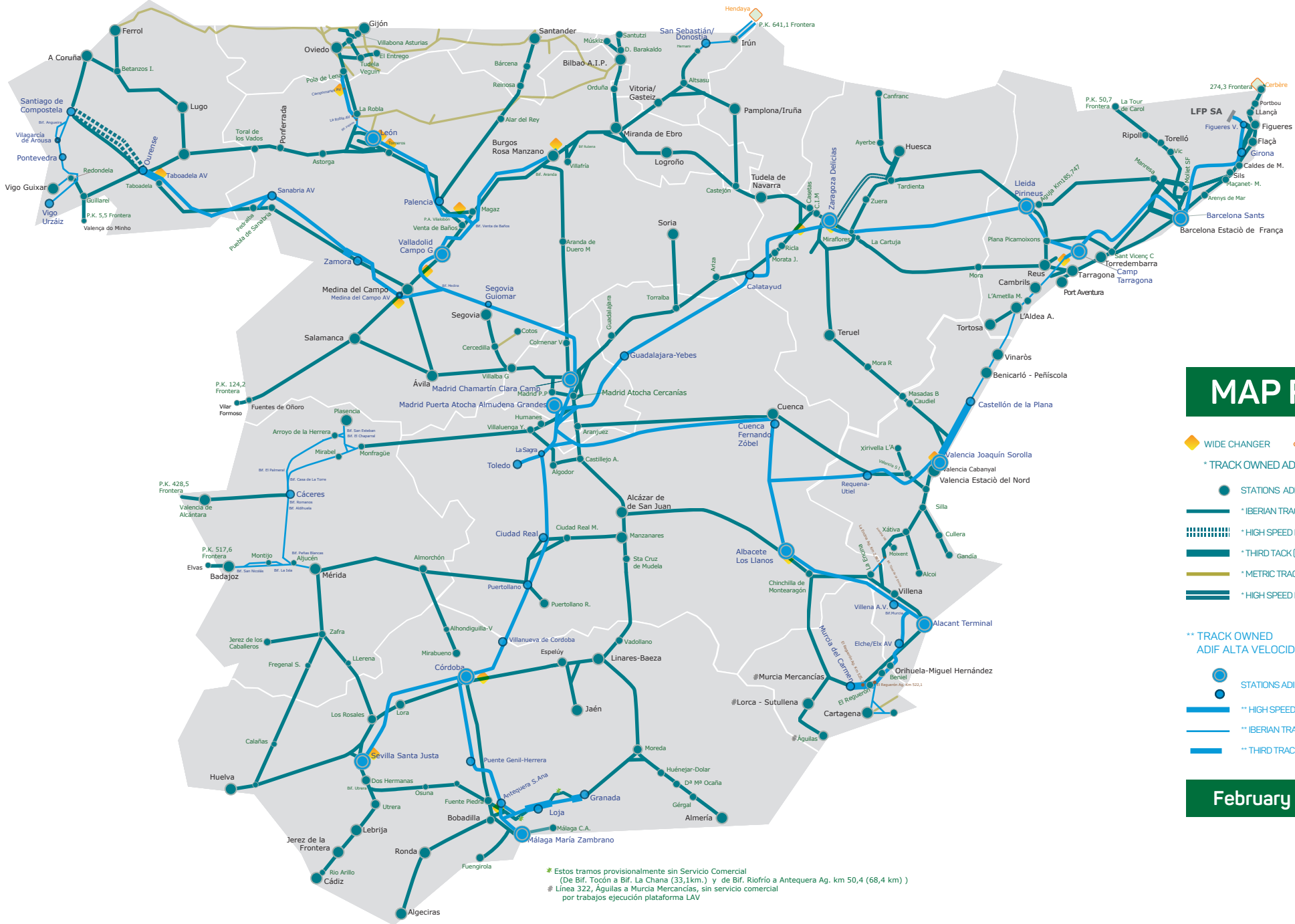
Maximum Speeds, Types of Electrification and Catenaries

## Map 4

Safety and Blocking Systems.

NOTE:

These maps are available in attached document on the ADIF Alta Velocidad website in interactive Pdf format that allow to add and disaggregate layers to individually visualize and print the contents of each individually.



# MAP RFIG

◆ WIDE CHANGER    ◆ SHAFT CHANGER

\* TRACK OWNED ADIF

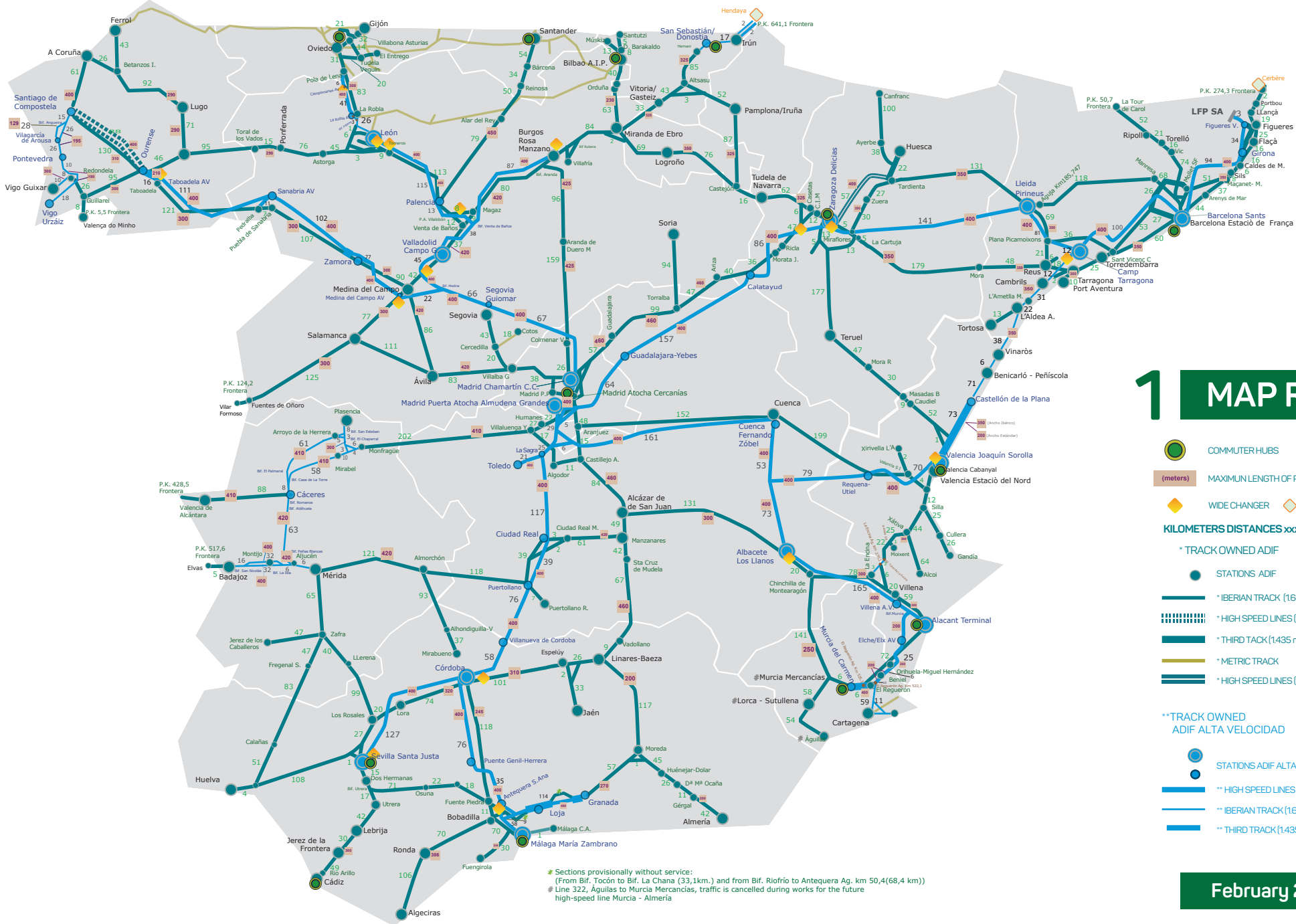
- STATIONS ADIF
- IBERIAN TRACK (1668 mm)
- ▤ HIGH SPEED LINES (1668 mm)
- THIRD TRACK (1435mm y 1668 mm)
- METRIC TRACK
- HIGH SPEED LINES (1435 mm)

\*\* TRACK OWNED ADIF ALTA VELOCIDAD

- STATIONS ADIF ALTA VELOCIDAD
- \*\* HIGH SPEED LINES (1435 mm)
- \*\* IBERIAN TRACK (1668 mm)
- \*\* THIRD TRACK (1435mm y 1668 mm)

# February 2024

\* Estos tramos provisionalmente sin Servicio Comercial (De Bif. Tocón a Bif. La Chana (33,1km.) y de Bif. Riófrío a Antequera Ag. km 50,4 (68,4 km) )  
 # Línea 322, Águilas a Murcia Mercancías, sin servicio comercial por trabajos ejecución plataforma LAV



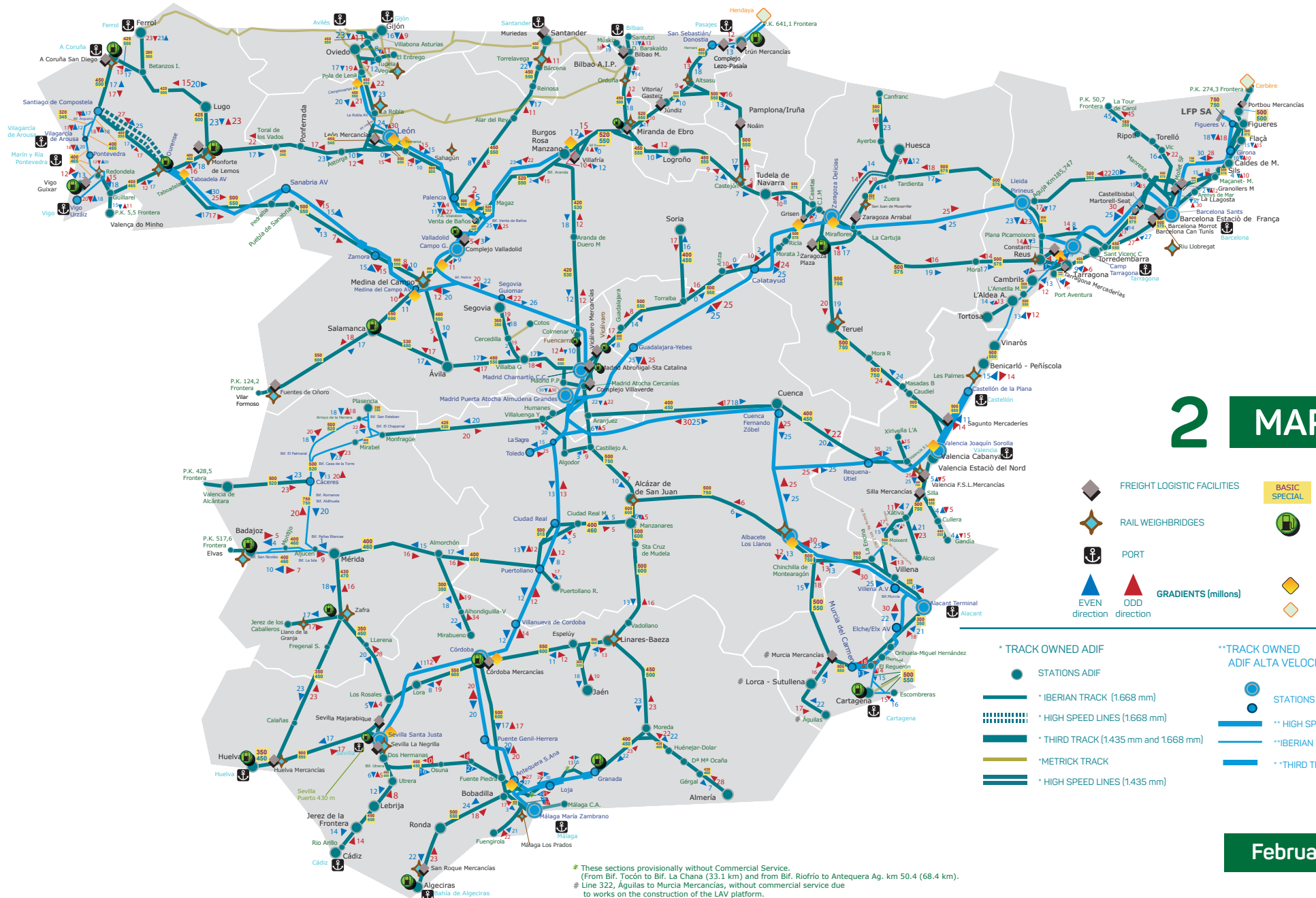
# 1 MAP RFIG

- COMMUTER HUBS
- MAXIMUM LENGTH OF PASSANGER TRAINS
- WIDE CHANGER AXLE CHANGER
- KILOMETERS DISTANCES xxx Km**
- \* TRACK OWNED ADIF**
  - STATIONS ADIF
  - \* IBERIAN TRACK (1668 mm)
  - \* HIGH SPEED LINES (1668 mm)
  - \* THIRD TACK (1435 mm and 1668 mm)
  - \* METRIC TRACK
  - \* HIGH SPEED LINES (1.435 mm)

- \*\* TRACK OWNED ADIF ALTA VELOCIDAD**
  - STATIONS ADIF ALTA VELOCIDAD
  - \*\* HIGH SPEED LINES (1435 mm)
  - \*\* IBERIAN TRACK (1668 mm)
  - \*\* THIRD TRACK (1435mm and 1668 mm)

\* Sections provisionally without service:  
 (From Bif. Tocón to Bif. La Chana (33,1km.) and from Bif. Riofrío to Antequera Ag. km 50,4(68,4 km))  
 # Line 322, Águilas to Murcia Mercancías, traffic is cancelled during works for the future high-speed line Murcia - Almería

February 2024



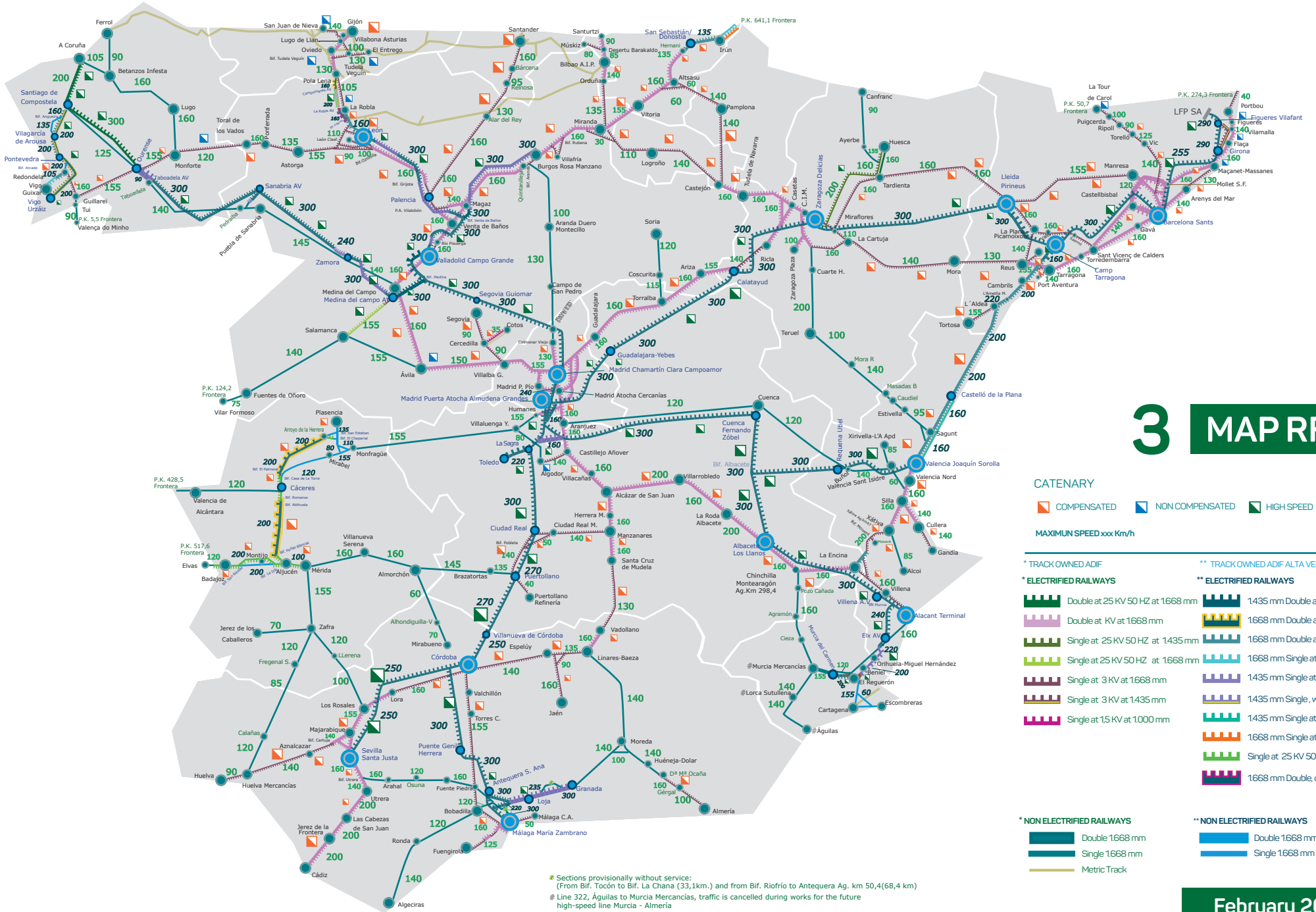
# 2 MAP RFIG

- FREIGHT LOGISTIC FACILITIES
- RAIL WEIGHBRIDGES
- PORT
- EVEN direction
- ODD direction
- GRADIENTS (millions)
- SHAFT CHANGER
- FIXED CHANGER
- BASIC
- SPECIAL
- MAXIMUM LENGTH OF FREIGHT TRAINS (meters)
- FIXED SUPPLY POINT

- \* TRACK OWNED ADIF**
  - STATIONS ADIF
  - \* IBERIAN TRACK (1.668 mm)
  - \* HIGH SPEED LINES (1.668 mm)
  - \* THIRD TRACK (1.435 mm and 1.668 mm)
  - \* METRICK TRACK
  - \* HIGH SPEED LINES (1.435 mm)
- \*\* TRACK OWNED ADIF ALTA VELOCIDAD**
  - STATIONS ADIF ALTA VELOCIDAD
  - \*\* HIGH SPEED LINES (1.435 mm)
  - \*\* IBERIAN TRACK (1.668 mm)
  - \*\* THIRD TRACK (1.435mm and 1.668 mm)

February 2024

\* These sections provisionally without Commercial Service.  
 (From Bif. Tocón to Bif. La Chana (33.1 km) and from Bif. Ríofrío to Antequera Ag. km 50.4 (68.4 km).)  
 # Line 322, Águilas to Murcia Mercanías, without commercial service due to works on the construction of the LAV platform.

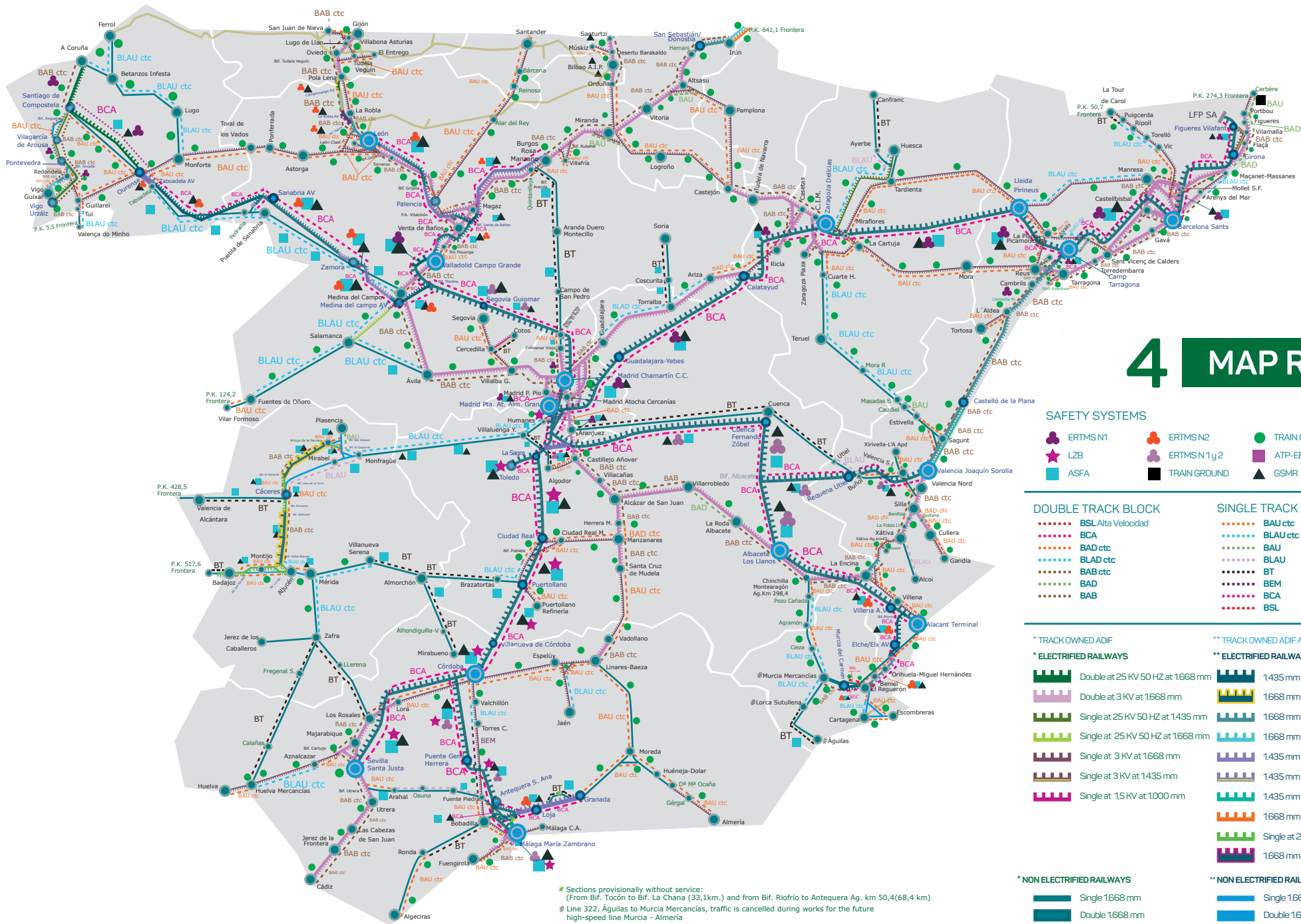


# 3 MAP RFIG

- CATENARY**
- ▣ COMPENSATED
  - ▣ NON COMPENSATED
  - ▣ HIGH SPEED
- MAXIMUM SPEED xxx Km/h**
- 
- \* TRACK OWNED ADIF**
- ▬ Double at 25 KV 50 HZ at 1668 mm
  - ▬ Double at KV at 1668 mm
  - ▬ Single at 25 KV 50 HZ at 1435 mm
  - ▬ Single at 25 KV 50 HZ at 1668 mm
  - ▬ Single at 3 KV at 1668 mm
  - ▬ Single at 3 KV at 1435 mm
  - ▬ Single at 15 KV at 1000 mm
- \*\* TRACK OWNED ADIF ALTA VELOCITAT**
- ▬ 1435 mm Double at 25 KV 50 HZ
  - ▬ 1668 mm Double at 25 KV 50 HZ
  - ▬ 1668 mm Double at 3 KV
  - ▬ 1668 mm Single at 3 KV
  - ▬ 1435 mm Single at 25 KV 50 HZ
  - ▬ 1435 mm Single, with 3<sup>rd</sup> rail at 25 KV 50 HZ3
  - ▬ 1435 mm Single at 3KV
  - ▬ 1668 mm Single at 15 KV
  - ▬ Single at 25 KV 50 HZ at 1668 mm
  - ▬ 1668 mm Double, con 3<sup>rd</sup> rail at 25 KV 50 HZ
- 
- \* NON ELECTRIFIED RAILWAYS**
- ▬ Double 1668 mm
  - ▬ Single 1668 mm
  - ▬ Metric Track
- \*\* NON ELECTRIFIED RAILWAYS**
- ▬ Double 1668 mm
  - ▬ Single 1668 mm

\* Sections provisionally without service:  
 (From Bif. Tocón to Bif. La Chana (33,1km.) and from Bif. Riofrio to Antequera Ag. km 50,4(68,4 km)  
 # Line 322, Águilas to Murcia Mercancías, traffic is cancelled during works for the future high-speed line Murcia - Almería





# 4 MAP RFIG

## SAFETY SYSTEMS

- ERTMS N1
- ERTMS N2
- TRAIN GROUND AND ASFA
- ★ LZB
- ERTMS N1y2
- ATP-EBICAB
- ASFA
- TRAIN GROUND
- ▲ GSMR

## DOUBLE TRACK BLOCK

- - - BSL Alta Velocidad
- - - BCA
- - - BAD ctc
- - - BLAD ctc
- - - BAB ctc
- - - BAD
- - - BAB

## SINGLE TRACK BLOCK

- - - BAU ctc
- - - BAU
- - - BLAU
- - - BT
- - - BEM
- - - BCA
- - - BSL

## \* TRACK OWNED ADIF

### \* ELECTRIFIED RAILWAYS

- Double at 25 KV 50 HZ at 1668 mm
- Double at 3 KV at 1668 mm
- Single at 25 KV 50 HZ at 1435 mm
- Single at 25 KV 50 HZ at 1668 mm
- Single at 3 KV at 1668 mm
- Single at 3 KV at 1435 mm
- Single at 15 KV at 1000 mm

## \*\* TRACK OWNED ADIF ALTA VELOCIDAD

### \*\* ELECTRIFIED RAILWAYS

- 1435 mm Double at 25 KV 50 HZ
- 1668 mm Double at 25 KV 50 HZ
- 1668 mm Double at 3 KV
- 1668 mm Single at 3 KV
- 1435 mm Single at 25 KV 50 HZ
- 1435 mm Single, with 3<sup>rd</sup> rail, at 25 KV 50 HZ
- 1435 mm Single at 3KV
- 1668 mm Single at 15KV
- Single at 25 KV 50 HZ at 1668 mm
- 1668 mm Double, with 3<sup>rd</sup> rail, at 25 KV 50 HZ

## \* NON ELECTRIFIED RAILWAYS

- Single 1668 mm
- Double 1668 mm
- Metric Track

## \*\* NON ELECTRIFIED RAILWAYS

- Single 1668 mm
- Double 1668 mm

\* Sections provisionally without service:  
 (From Bif. Tocón to Bif. La Chana (33,1km.) and from Bif. Riofrio to Antequera Ag. km 50,4(68,4 km)  
 # Line 322, Águilas to Murcia Mercancías, traffic is cancelled during works for the future high-speed line Murcia - Almería



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