

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

## Map 2:

Main **cargo** 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.

Update Map 2

## 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 website in interactive Pdf format that allow to add and disaggregate layers to individually visualize and print the contents of each individually.

## Map 1 RAM:

Maximum speeds.

## Map 2 RAM:

Passenger trains maximum length.

## Map 3 RAM:

Maximum Length of Freight Trains.

## Map 4 RAM:

Distances in Kilometers.

## Map 5 RAM:

Characteristic Ramps in thousandths.

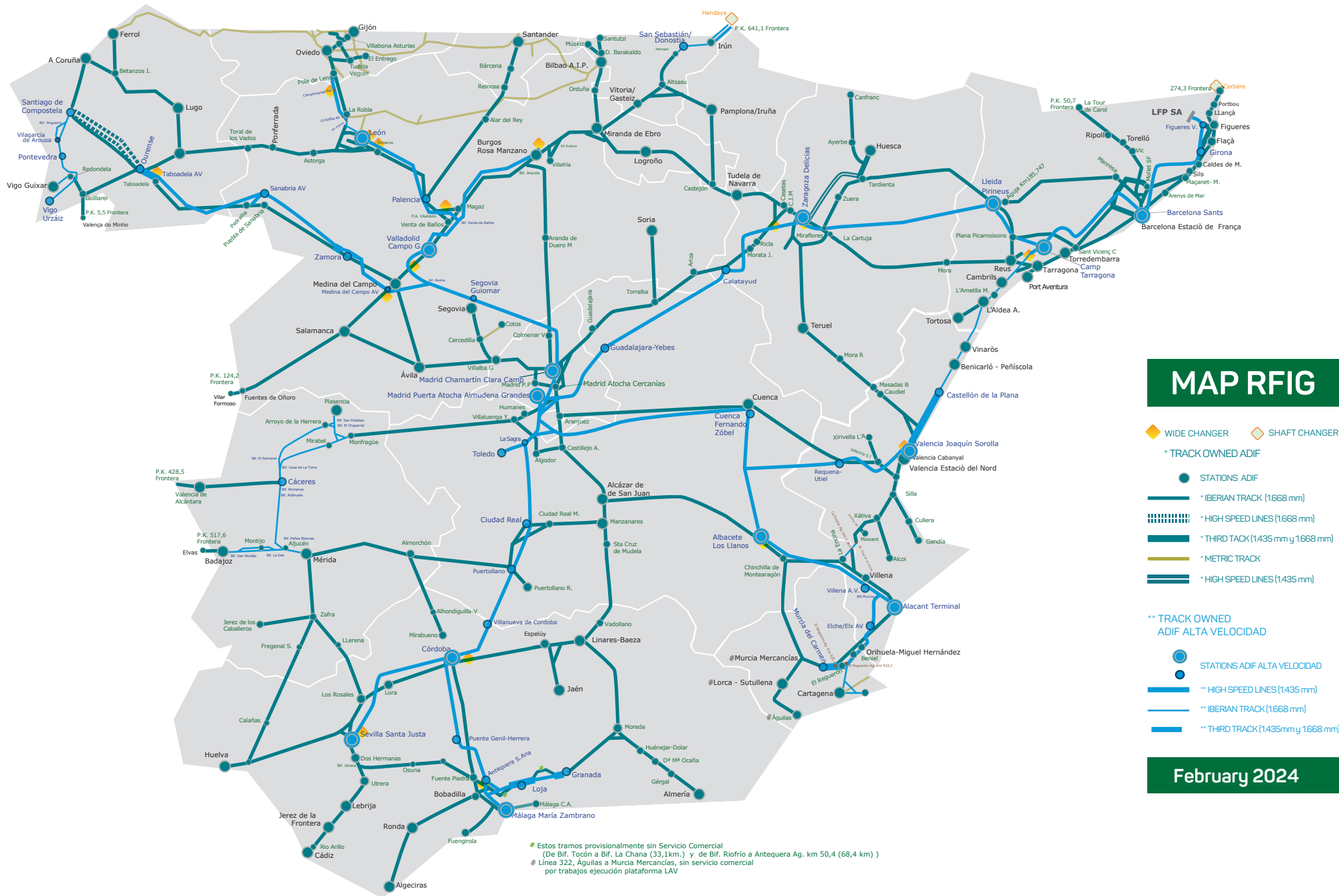
## Map 6 RAM:

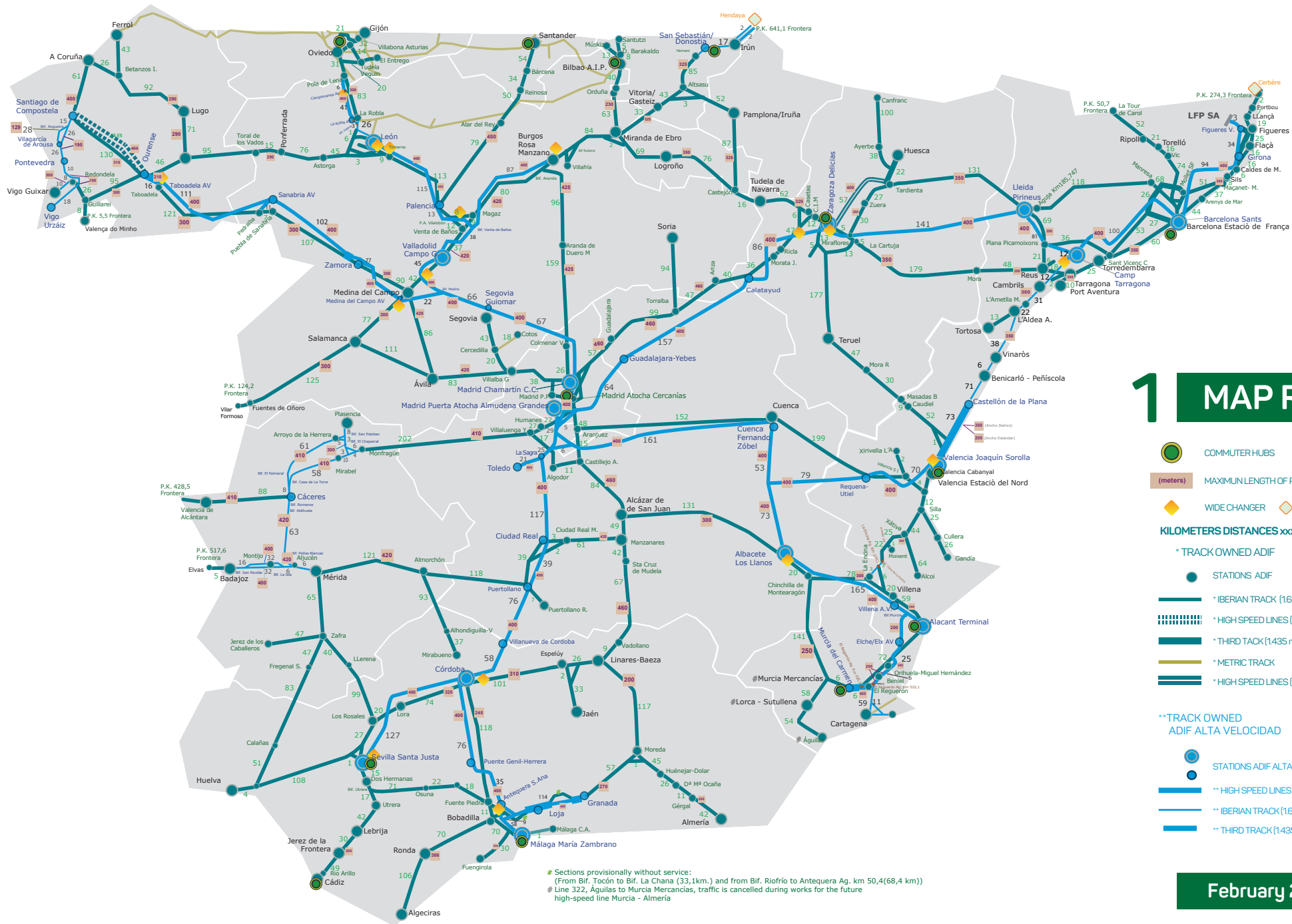
Types of Electrification and Catenaries.

## Map 7 RAM:

Safety and Blocking Systems.







# 1 MAP RFIG

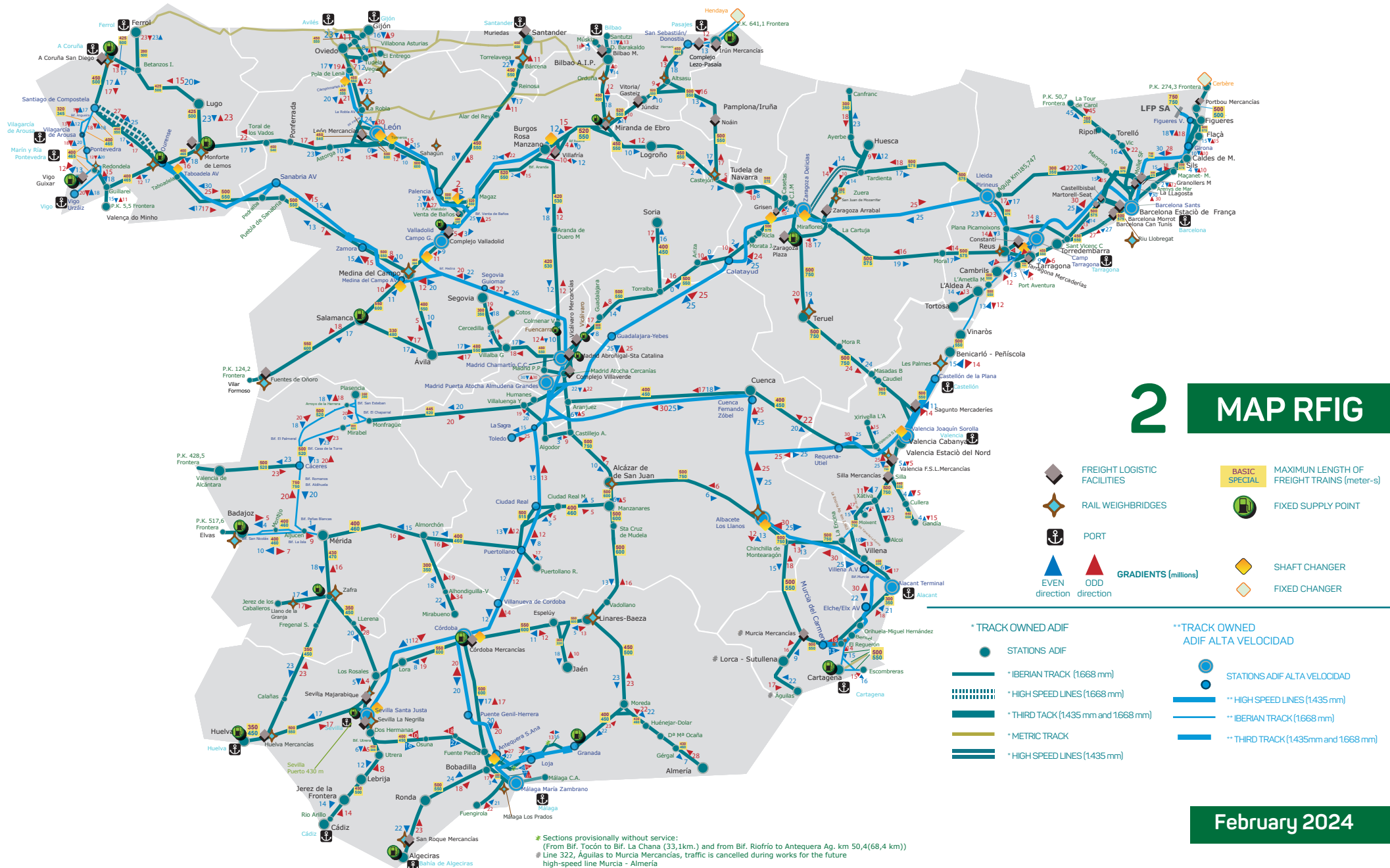
- COMMUTER HUBS
- (meters) MAXIMUM LENGTH OF PASSANGER TRAINS
- ◆ WIDE CHANGER ◆ AXLE CHANGER

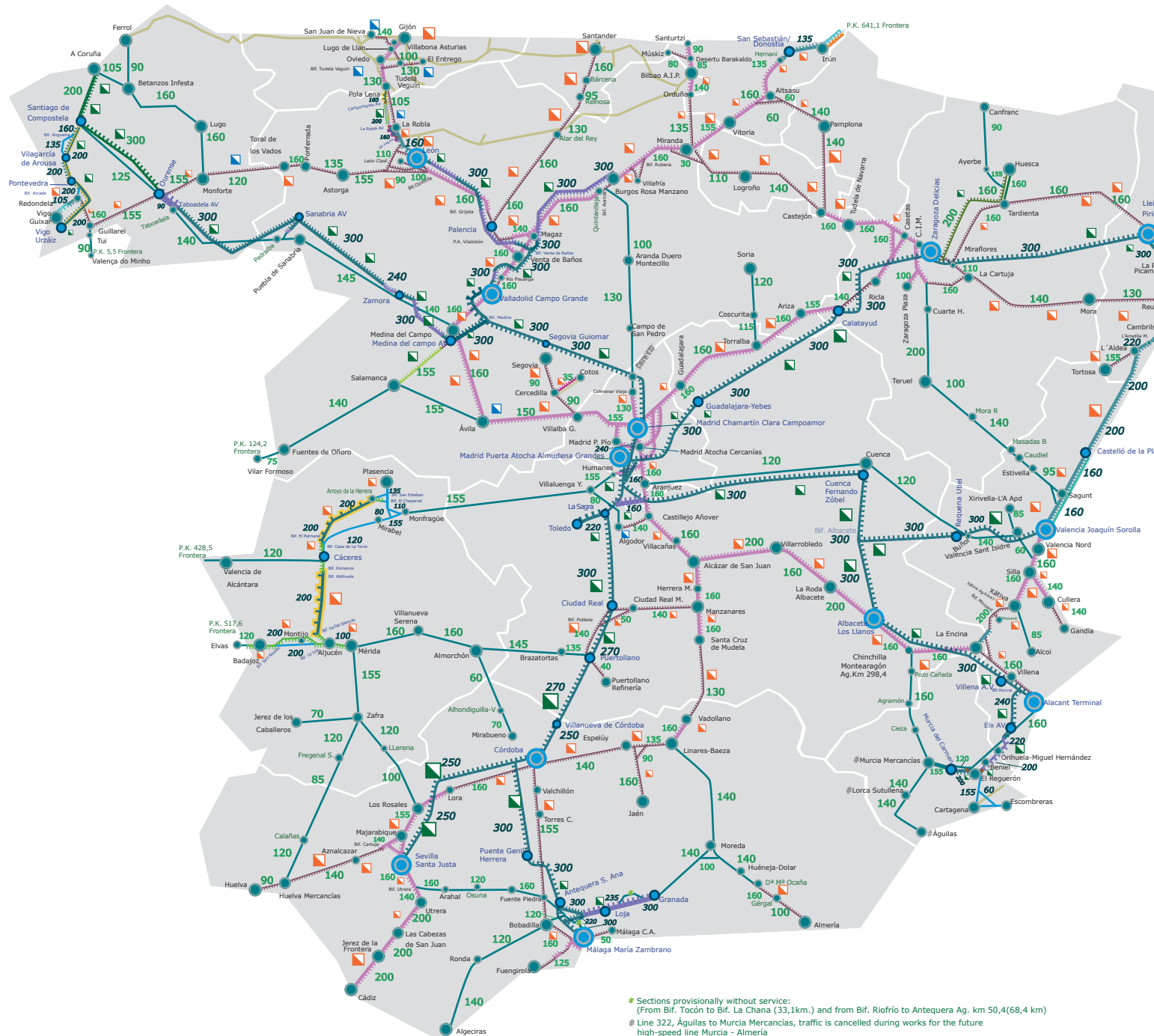
- KILOMETERS DISTANCES xxx Km
- \* TRACK OWNED ADIF
  - STATIONS ADIF
  - \* IBERIAN TRACK (1668 mm)
  - \*\* HIGH SPEED LINES (1668 mm)
  - \* THIRD TACK (1435 mm and 1668 mm)
  - \* METRIC TRACK
  - \*\* HIGH SPEED LINES (1435 mm)

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

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# 3 MAP RFIG

## CATENARY

COMPENSATED NON COMPENSATED HIGH SPEED

MAXIMUM SPEED xxx Km/h

## \* TRACK OWNED ADIF

### \* ELECTRIFIED RAILWAYS

- 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

## \* NON ELECTRIFIED RAILWAYS

- Double 1668 mm
- Single 1668 mm
- Metric Track

## \*\* TRACK OWNED ADIF ALTA VELOCITAT

### \*\* ELECTRIFIED RAILWAYS

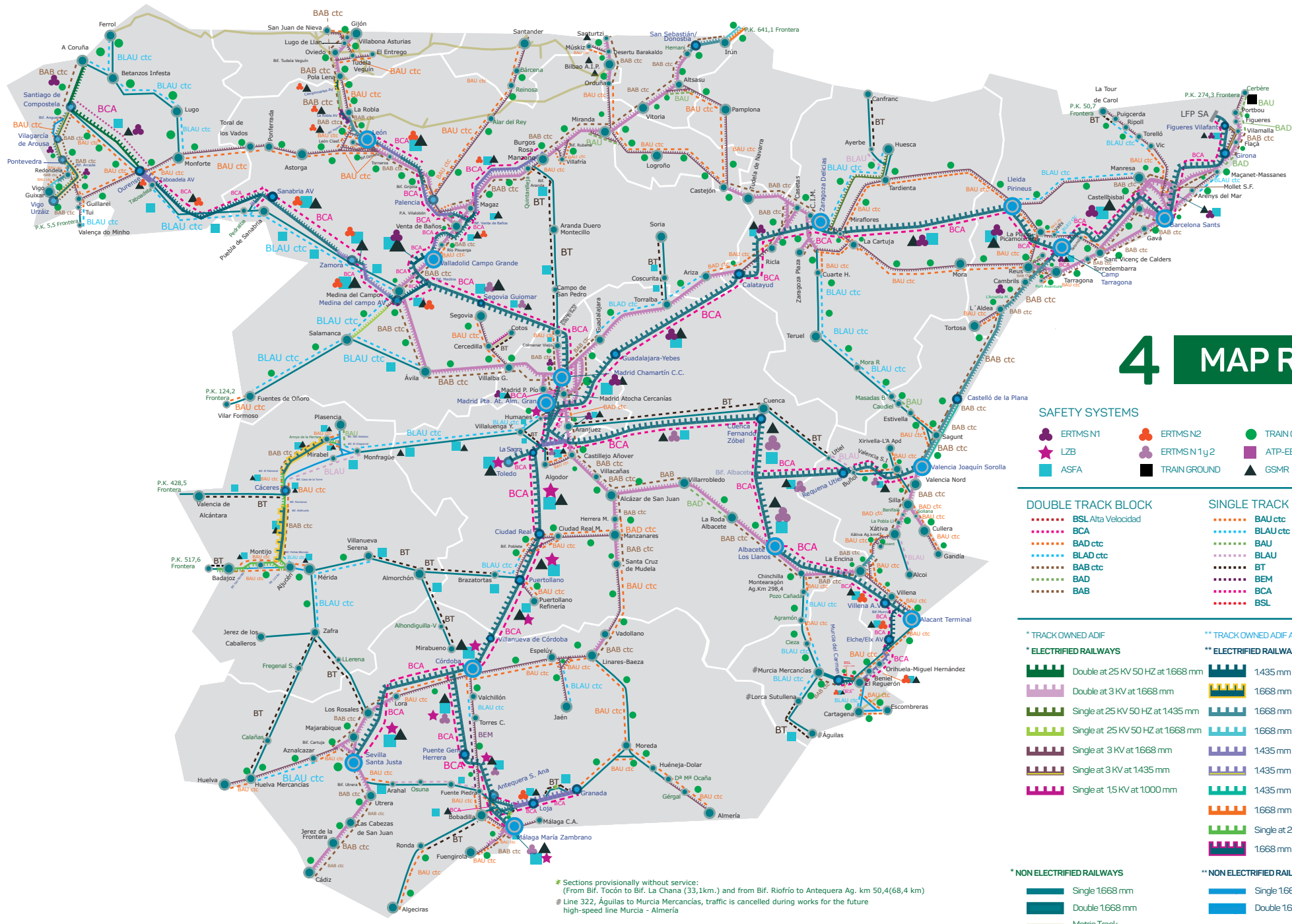
- 1435 mm Double at 25 KV 50 HZ
- 1668 mm Double at 25 KV 50 HZ
- 1668 mm Double at 3 KV
- 1668 mm Single at 3 KV
- 1435 mm Single at 25 KV 50 HZ
- 1435 mm Single, with 3<sup>rd</sup> rail, at 25 KV 50 HZ
- 1435 mm Single at 3KV
- 1668 mm Single at 15 KV
- Single at 25 KV 50 HZ at 1668 mm
- 1668 mm Double,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

## \*\* NON ELECTRIFIED RAILWAYS

- Double 1668 mm
- Single 1668 mm

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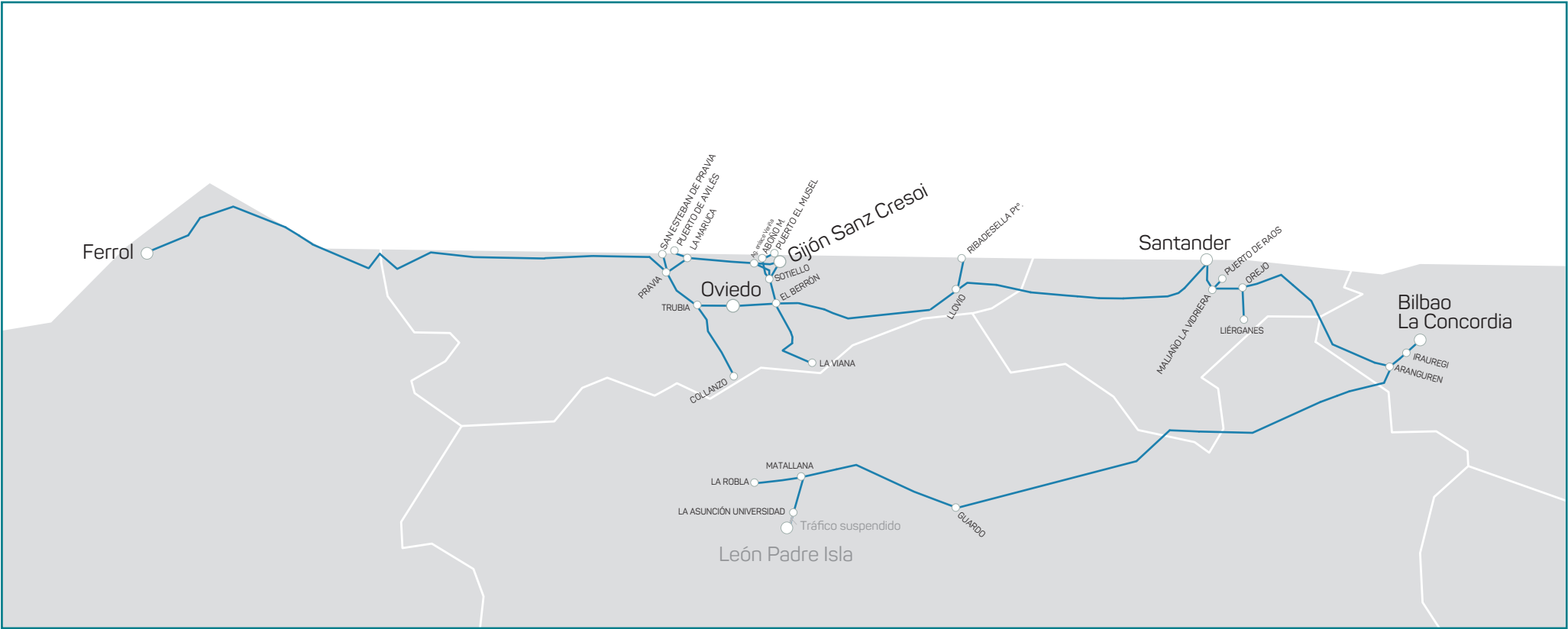


# 4 MAP RFIG

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# METRIC GAUGE LINES AND STATIONS

MAP



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- METRIC TRACK LINES  
Line 116 except Cotos-Cercedilla
- MAIN STATIONS OF PASSENGERS
- OTHER STATIONS

# MAXIMUM SPEEDS ON METRIC GAUGE LINES



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- 100 km/h

80 km/h

70 km/h

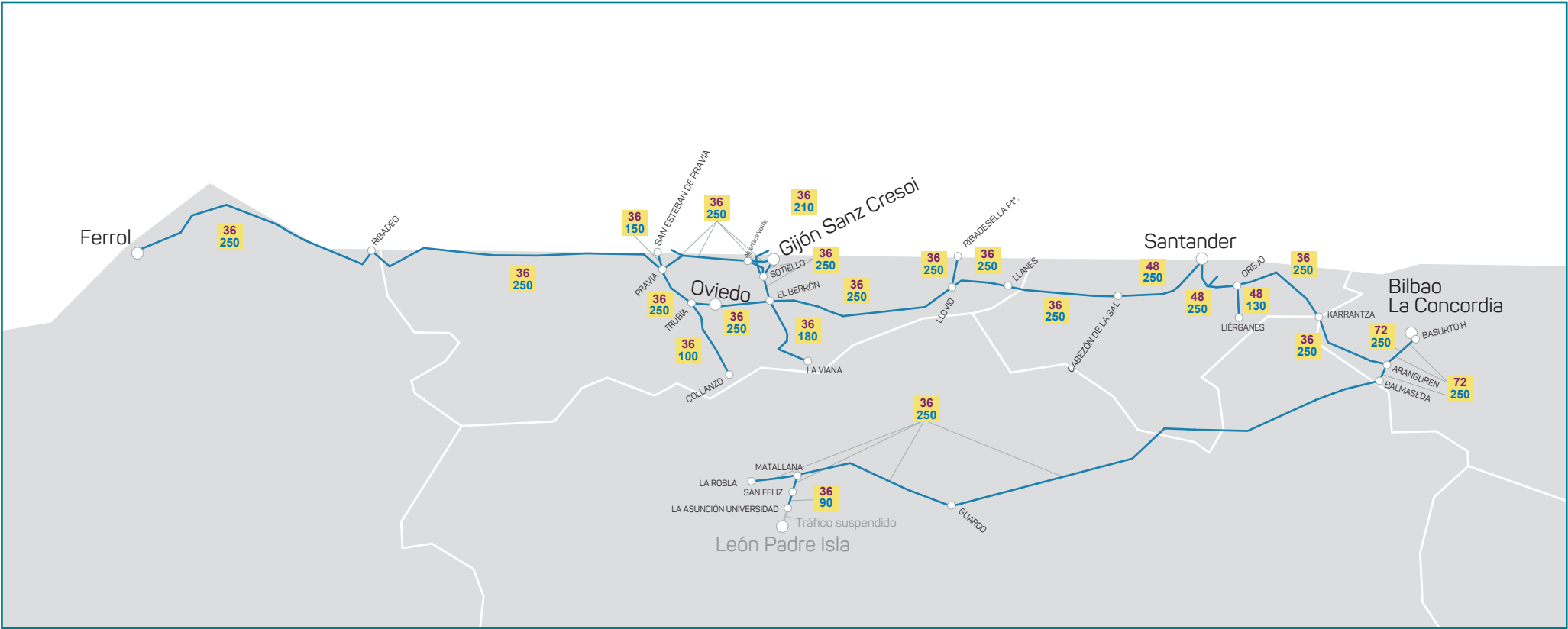
60 km/h

50 km/h

< 50 km/h
- METRIC TRACK LINES  
Line 116 except Cotos-Cercedilla

STATIONS

# MAXIMUM LENGTH OF PASSENGER TRAINS ON METRIC GAUGE LINES

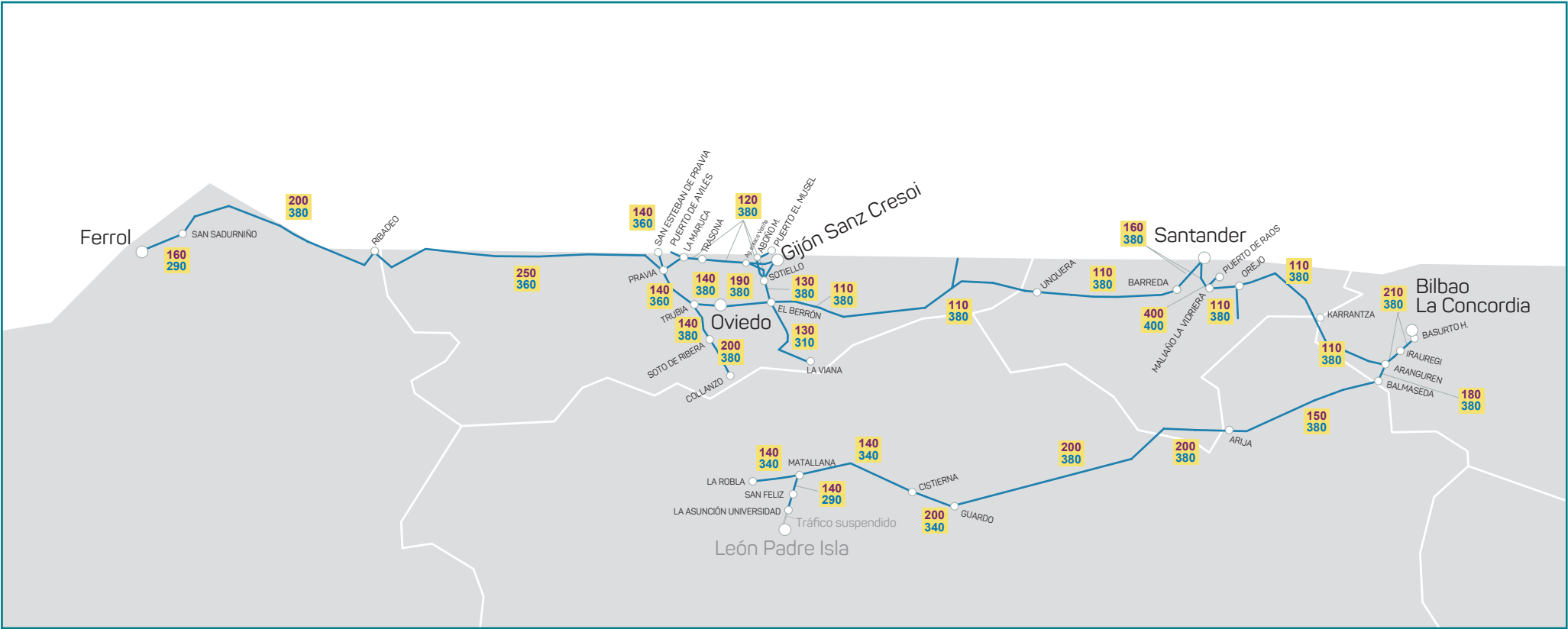


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- METRIC TRACK LINES  
line 116 except Cotos-Cercedilla
- STATIONS
- Long meters  
BASIC SPECIAL



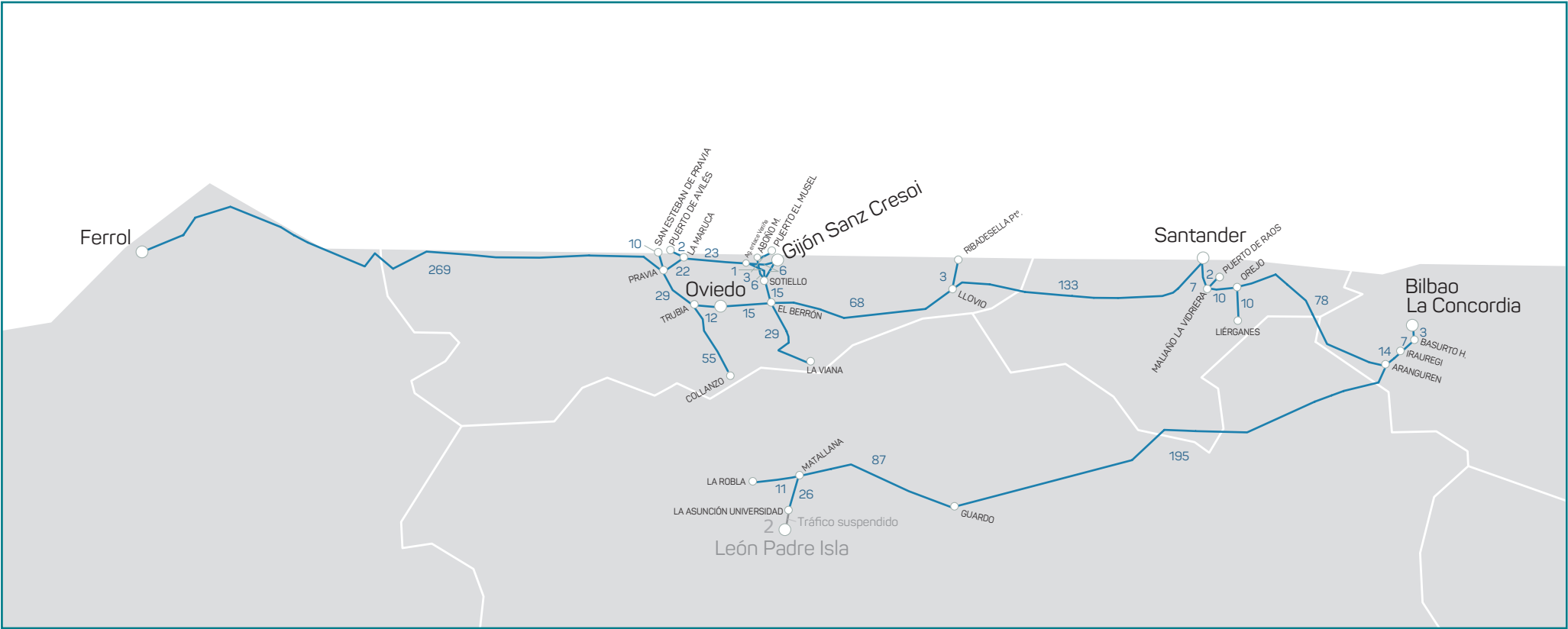
# MAXIMUM LENGTH OF FREIGHT TRAINS ON METRIC GAUGE LINES



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- METRIC TRACK LINES  
line 116 except Cotos-Cercedilla
- STATIONS
- Long meters  
BASIC  
SPECIAL

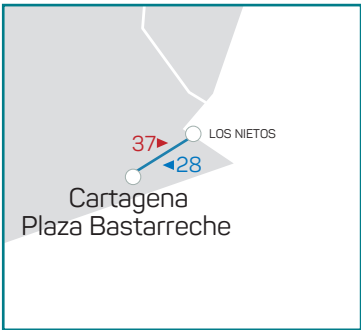
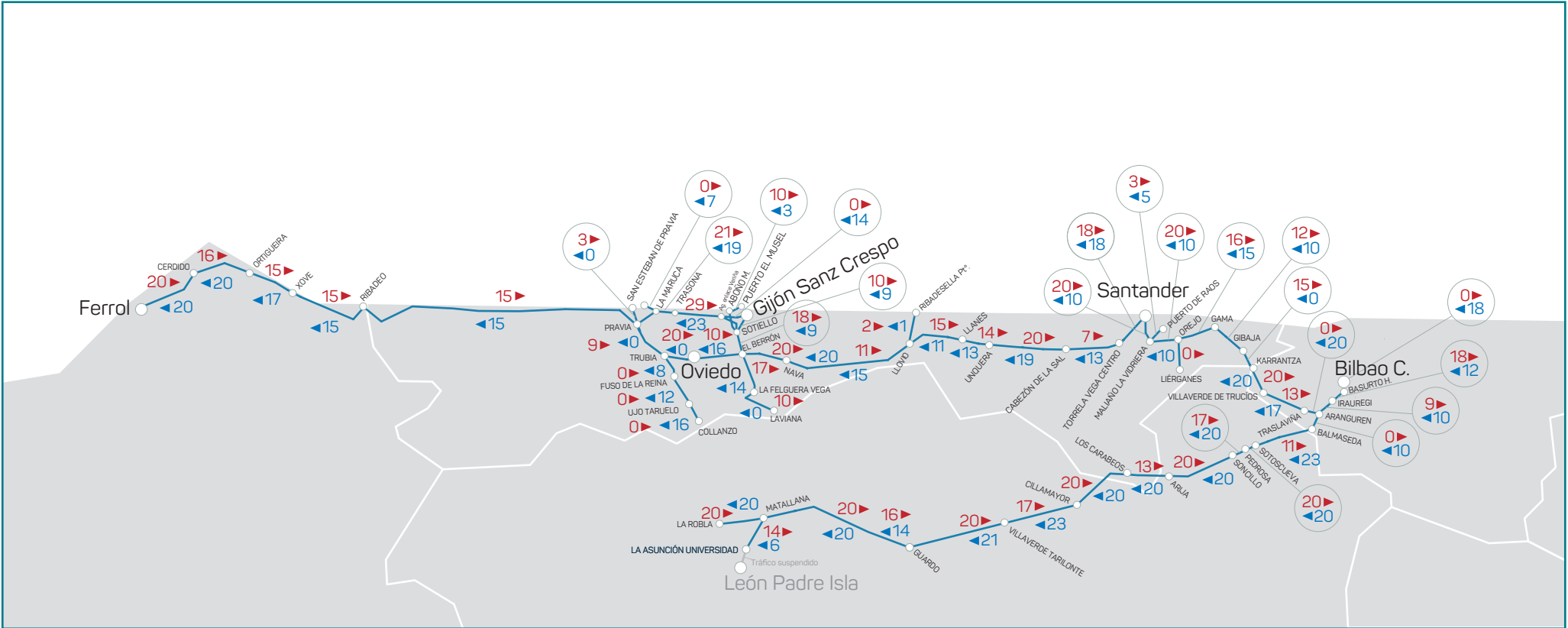
# DISTANCES IN KILOMETERS OF METRIC GAUGE LINES



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- METRIC TRACK LINES  
line 116 except Cotos-Cercadilla
- STATIONS

# CHARACTERISTIC GRADIENTS (THOUSANDTHS) OF METRIC GAUGE LINES



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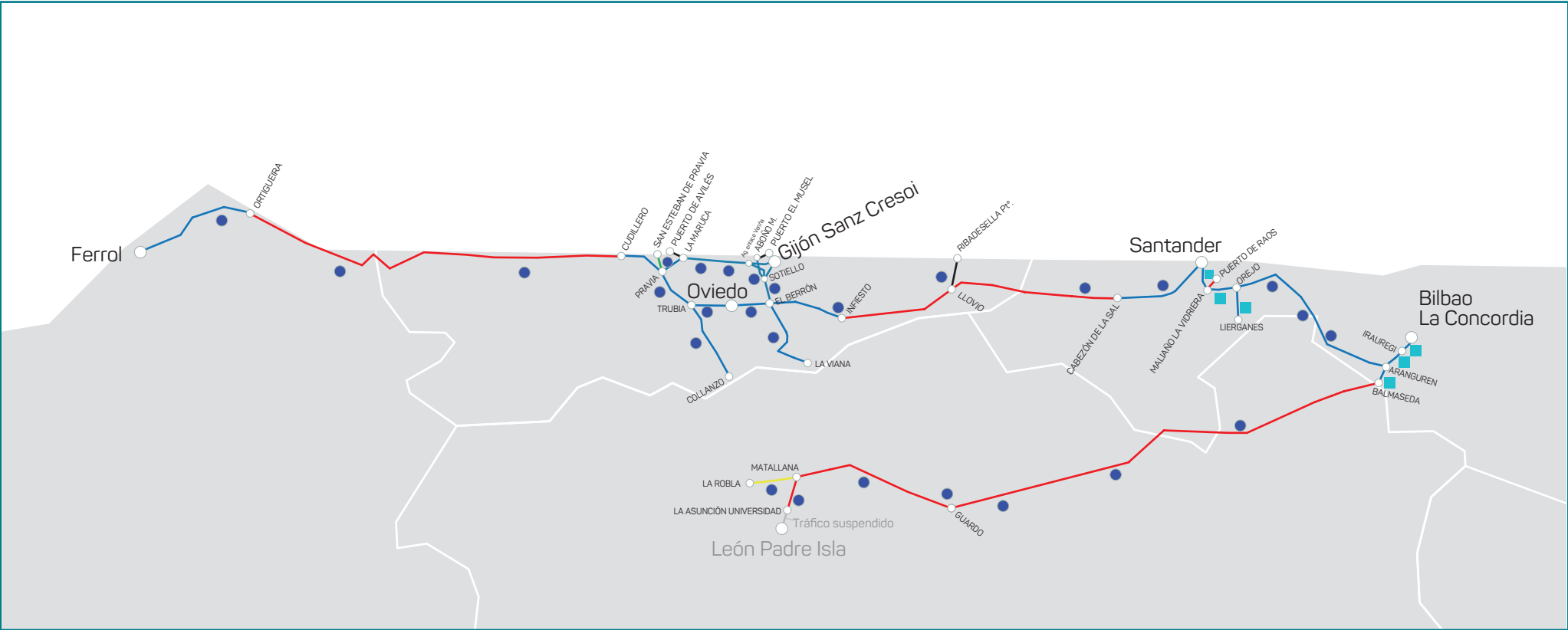
- METRIC TRACK LINES  
line 116 except Cotos-Cercedilla
- STATIONS
- ODD DIRECTION
- EVEN DIRECTION

# ELECTRIFIED LINES AND TYPES OF ELECTRIFICATION OF METRIC GAUGE LINES



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# BLOCK AND SAFETY SYSTEMS ON METRIC GAUGE LINES



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- B.T. Telephone Block
- B.A.U./B.A.D./B.A.B Automatic Block + CTC
- B.A.U. Automatic Block
- B.E.M. Manual Electric Block
- Other procedures (regulated by instruction)
- METRIC TRACK LINES  
line 116 except Cotos-Cercedilla
- ASFA (analogical)
- ASFA (digital)
- STATIONS



