

NETWORK STATEMENT 2027



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. CATALOGUES

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.

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:

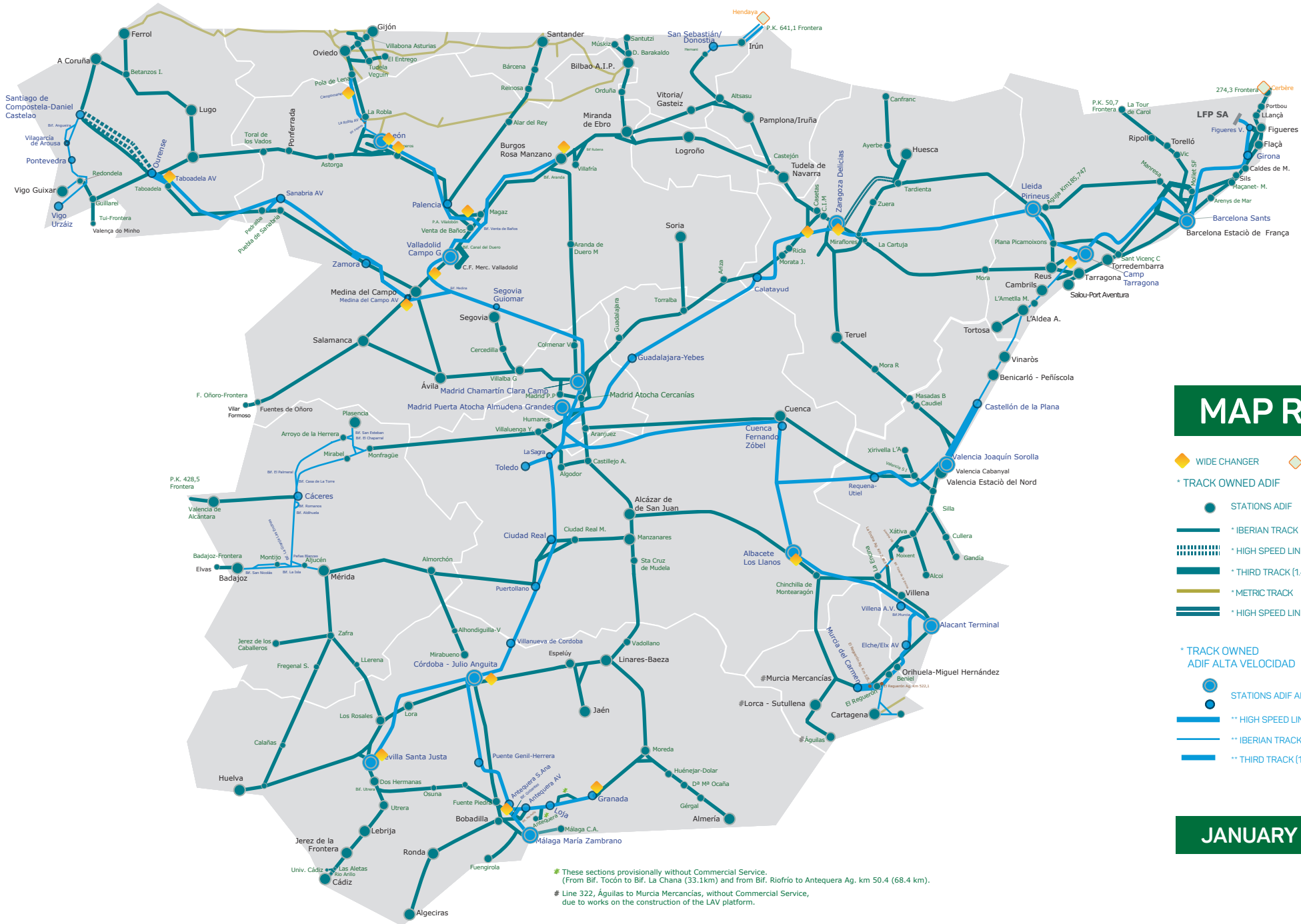
Types of Electrification and Catenaries.

Map 7 RAM:

Safety and Blocking Systems.

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 RFIG

- ◆ WIDE CHANGER
- ◆ SHAFT CHANGER

* TRACK OWNED ADIF

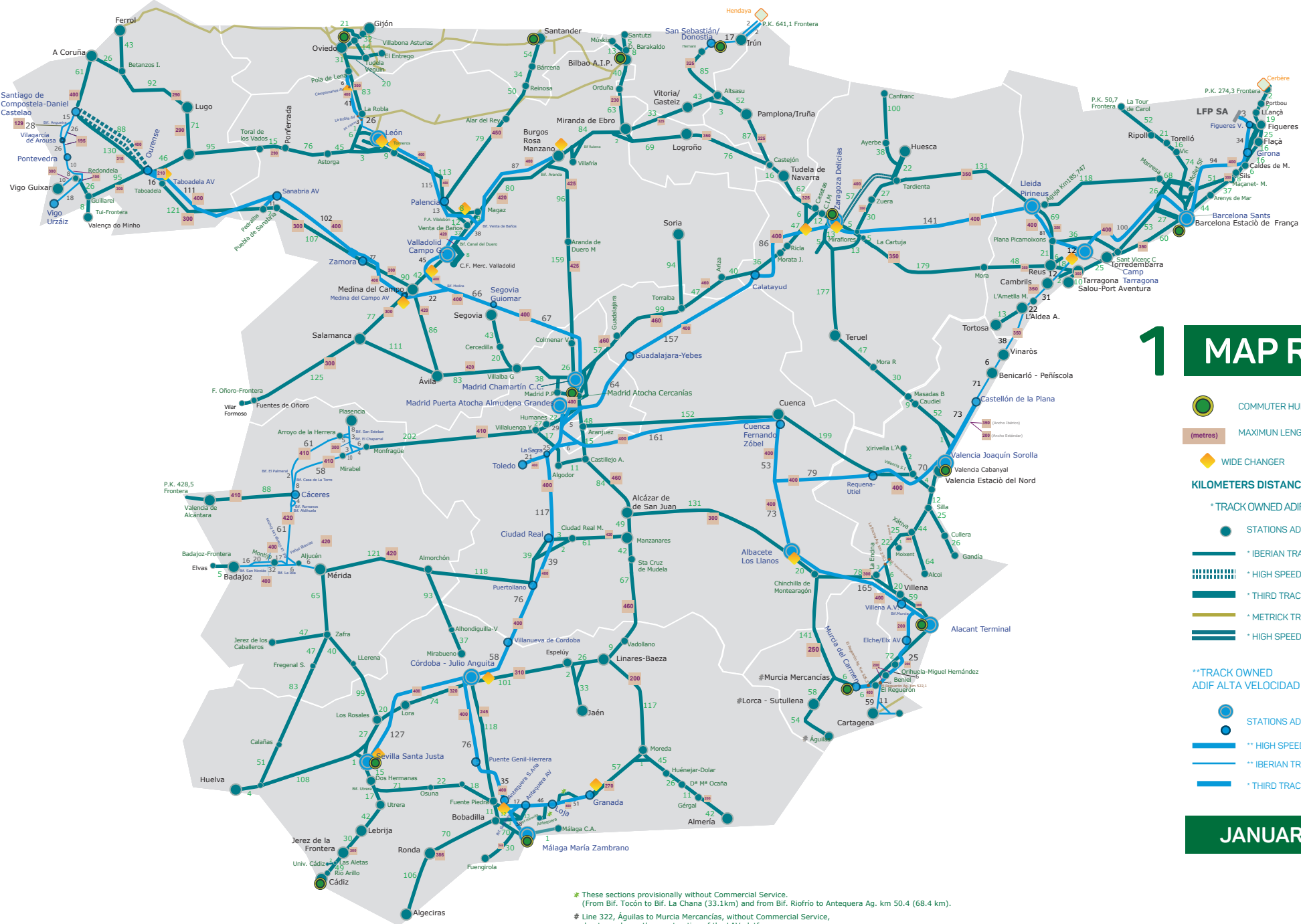
- STATIONS ADIF
- * IBERIAN TRACK (1.668 mm)
- * HIGH SPEED LINES (1.668 mm)
- * THIRD TRACK (1.435 mm and 1.668 mm)
- * METRIC TRACK
- * HIGH SPEED LINES (1.435 mm)

* 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)

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* These sections provisionally without Commercial Service.
 (From Bif. Tacón 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, without Commercial Service,
 due to works on the construction of the LAV platform.

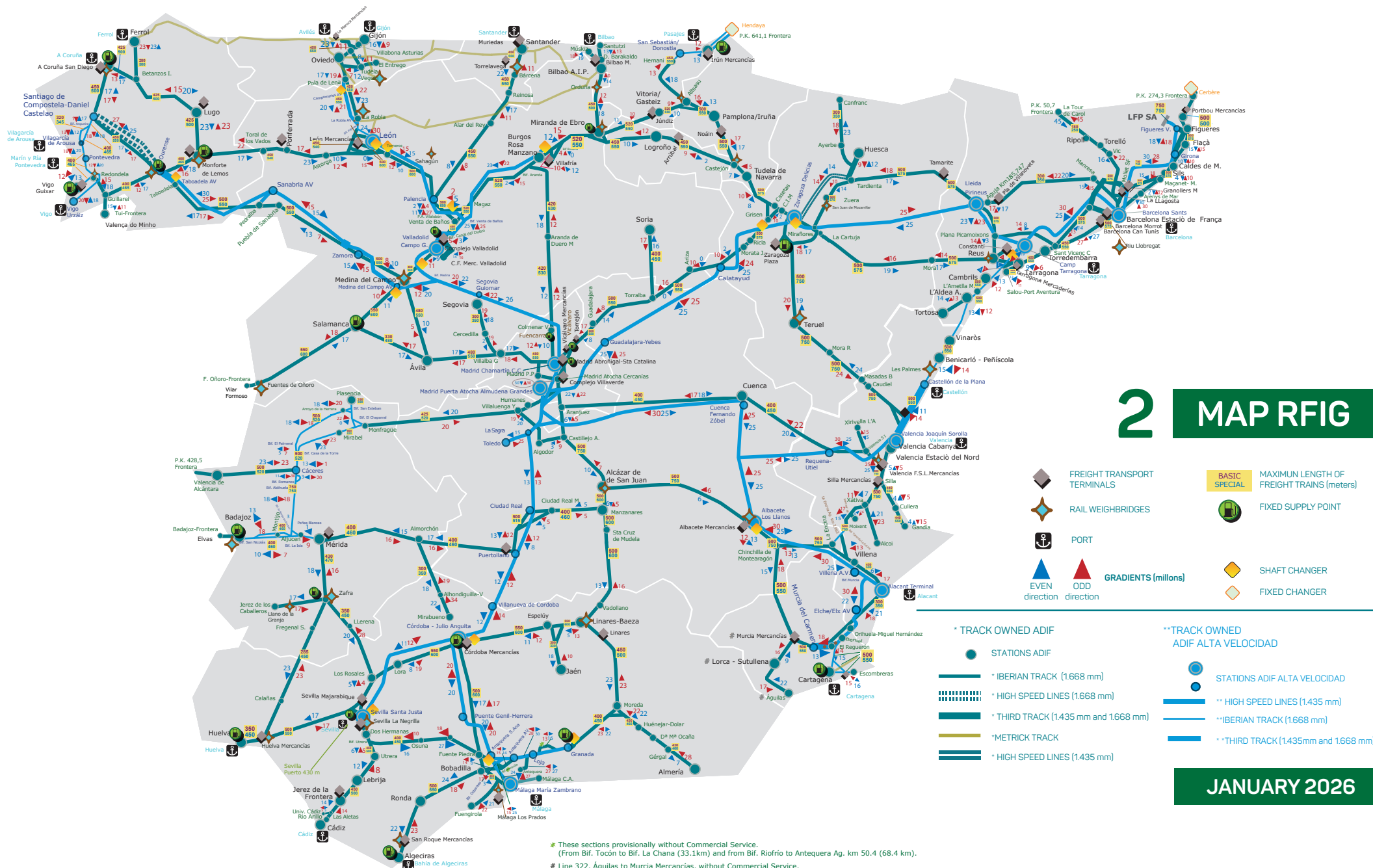


1 MAP RFIG

- COMMUTER HUBS
- MAXIMUM LENGTH OF PASSANGER TRAINS (metres)
- WIDE CHANGER AXLE CHANGER
- KILOMETERS DISTANCES xxx Km**
- * 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
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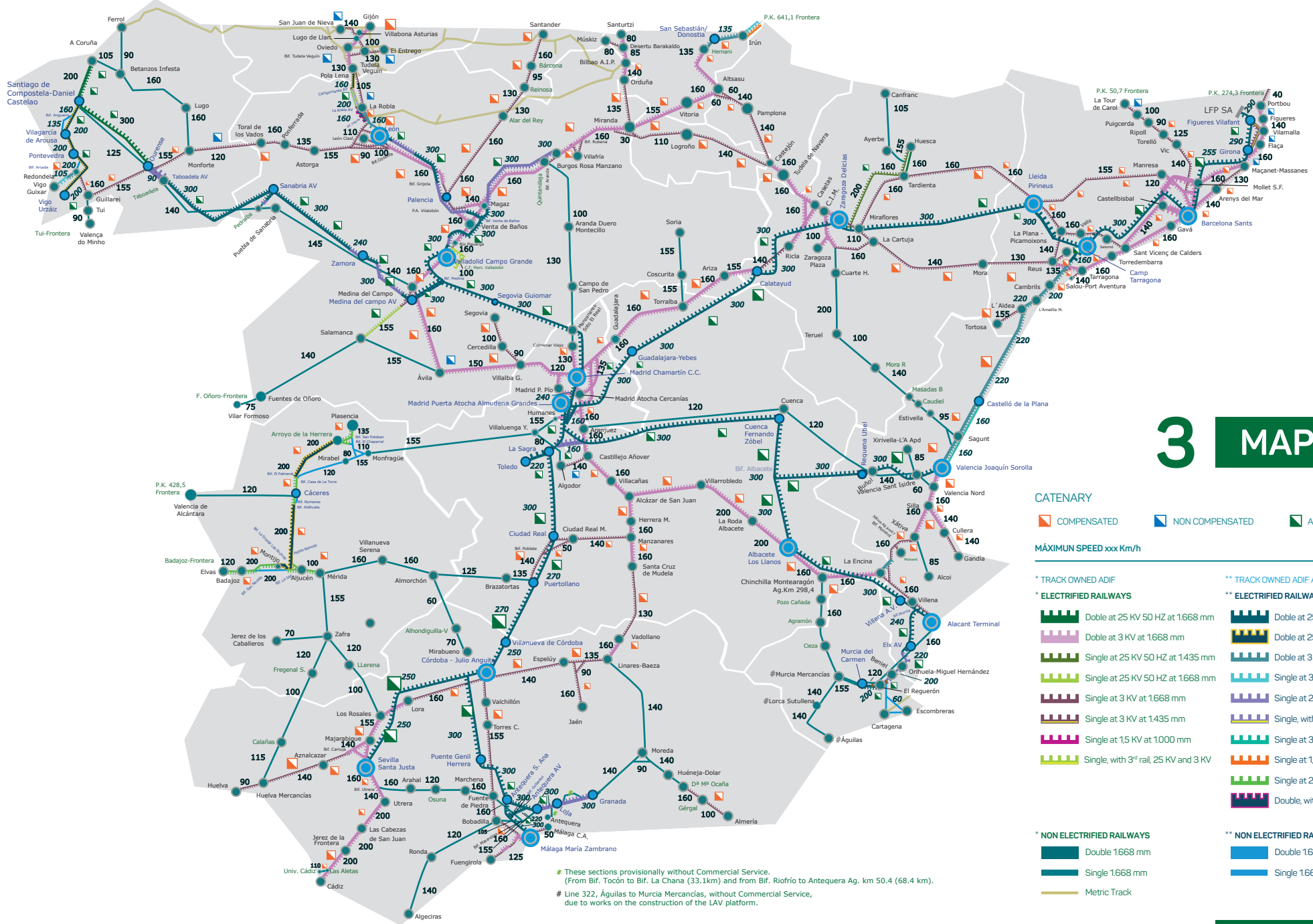
2 MAP RFIG

- FREIGHT TRANSPORT TERMINALS
- 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
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3 MAP RFIG

CATENARY

- ▣ COMPENSATED
- ▣ NON COMPENSATED
- ▣ ALTA VELOCIDAD

MÁXIMUN SPEED xxx Km/h

* 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
- ▣ Single, with 3rd rail, 25 KV and 3 KV

* NON ELECTRIFIED RAILWAYS

- ▣ Double 1668 mm
- ▣ Single 1668 mm
- ▣ Metric Track

** TRACK OWNED ADIF ALTA VELOCIDAD

** ELECTRIFIED RAILWAYS

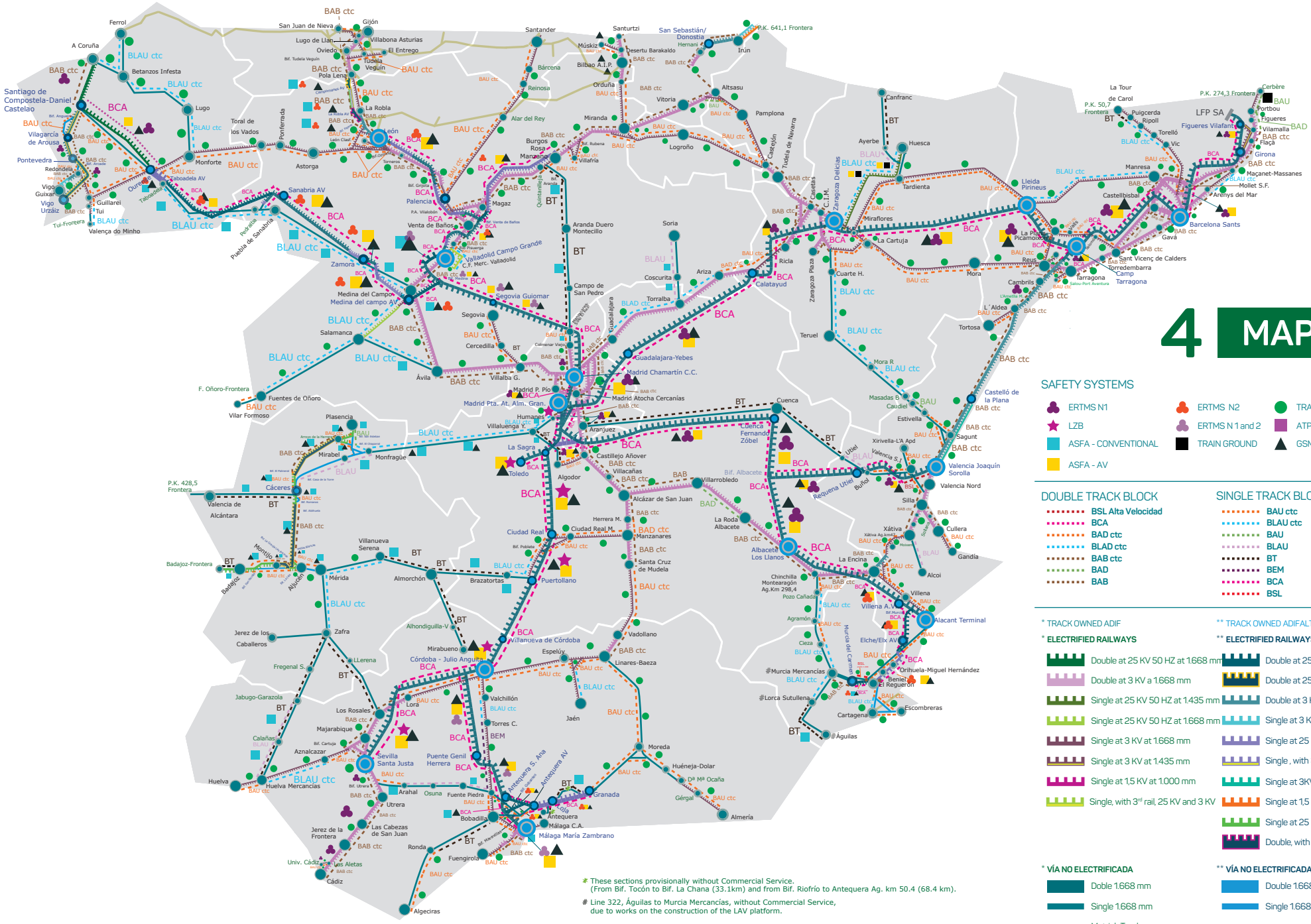
- ▣ Double at 25 KV 50 HZ at 1435 mm
- ▣ Double at 25 KV 50 HZ at 1668 mm
- ▣ Double at 3 KV at 1668 mm
- ▣ Single at 3 KV at 1668 mm
- ▣ Single at 25 KV 50 HZ at 1435 mm
- ▣ Single, with 3rd rail, 25 KV 50 HZ at 1435 mm
- ▣ Single at 3KV at 1435 mm
- ▣ Single at 15 KV at 1668 mm
- ▣ Single at 25 KV 50 HZ at 1668 mm
- ▣ Double, with 3rd rail, 25 KV 50 HZ at 1668 mm

** NON ELECTRIFIED RAILWAYS

- ▣ Double 1668 mm
- ▣ Single 1668 mm

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Line 322, Águilas to Murcia Mercancías, without Commercial Service, due to works on the construction of the LAV platform.



4 MAP RFEG

- ### SAFETY SYSTEMS
- ERTMS N1
 - ERTMS N2
 - TRAIN GROUND AND ASFA CONV.
 - LZB
 - ERTMS N1 and 2
 - ATP-EBICAB
 - ASFA - CONVENTIONAL
 - TRAIN GROUND
 - GSMR
 - ASFA - AV

- ### DOUBLE TRACK BLOCK
- BSL Alta Velocidad
 - BCA
 - BAD ctc
 - BLAD ctc
 - BAB ctc
 - BAD
 - BAB
- ### SINGLE TRACK BLOCK
- BAU ctc
 - BLAU ctc
 - BAU
 - BLAU
 - BT
 - BEM
 - BCA
 - BSL

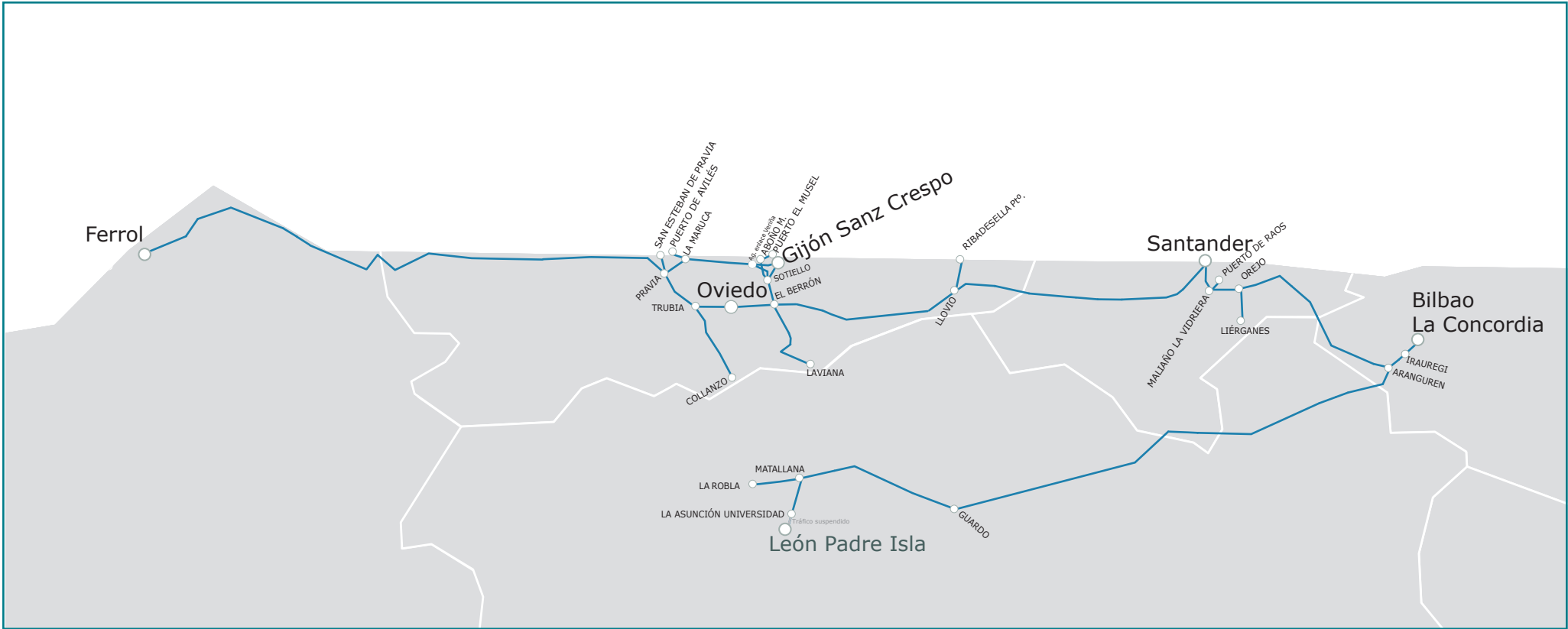
- ### * TRACK OWNED ADIF
- Double at 25 KV 50 HZ at 1668 mm
 - Double at 3 KV a 1668 mm
 - Single at 25 KV 50 HZ at 1435 mm
 - Single at 25 KV 50 HZ at 1668 mm
 - Single at 3 KV at 1668 mm
 - Single at 3 KV at 1435 mm
 - Single at 1,5 KV at 1.000 mm
 - Single, with 3rd rail, 25 KV and 3 KV
- ### ** TRACK OWNED ADIFALTA VELOCIDAD
- Double at 25 KV 50 HZ at 1435 mm
 - Double at 25 KV 50 HZ at 1668 mm
 - Double at 3 KV at 1668 mm
 - Single at 3 KV at 1668 mm
 - Single at 25 KV 50 HZ at 1435 mm
 - Single, with 3rd rail, at 25 KV 50 HZ at 1435 mm
 - Single at 3KV at 1435 mm
 - Single at 1,5 KV at 1668 mm
 - Single at 25 KV 50 HZ at 1668 mm
 - Double, with 3rd rail, at 25 KV 50 HZ at 1668 mm

- ### * VÍA NO ELECTRIFICADA
- Doble 1668 mm
 - Single 1668 mm
 - Metrick Track
- ### ** VÍA NO ELECTRIFICADA
- Doble 1668 mm
 - Single 1668 mm

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Metric Gauge Lines and Stations

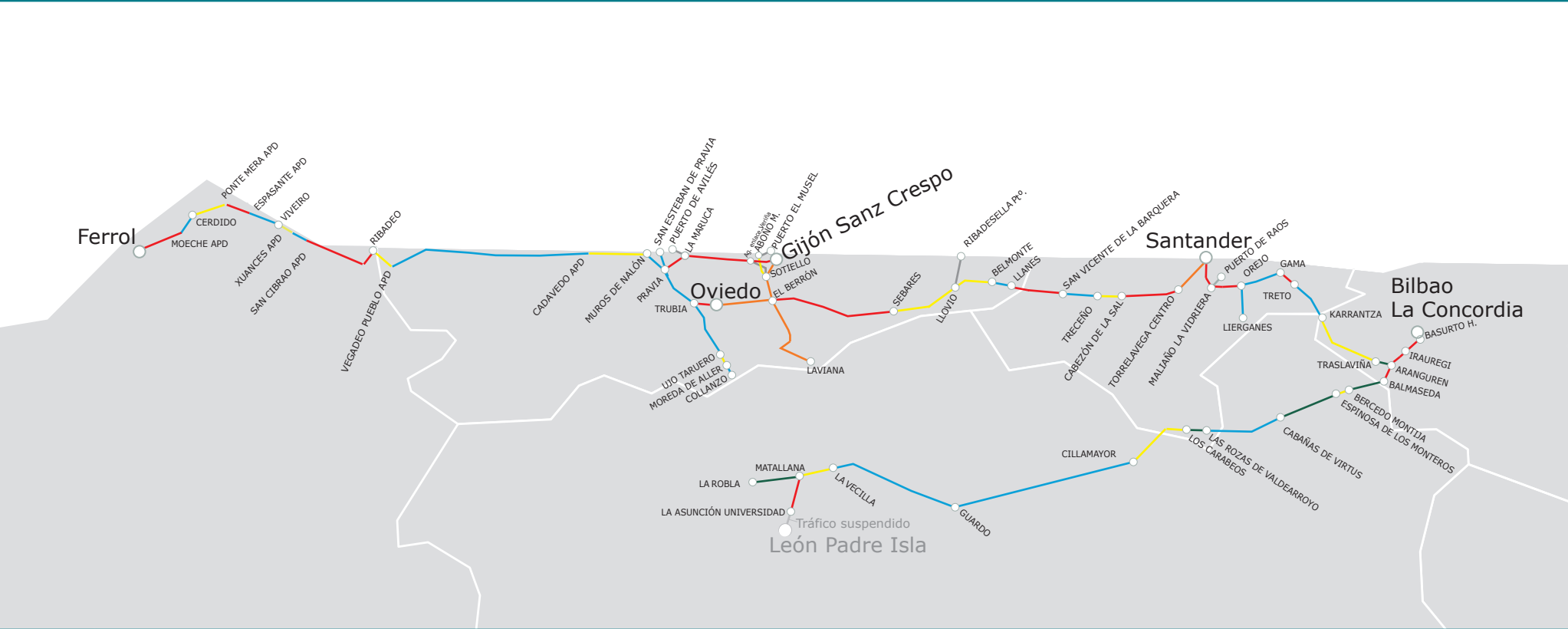
MAP



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- METRIC TRACK LINES
- MAIN STATIONS OF PASSENGERS
- OTHER STATIONS

Maximum Speeds on Metric Gauge Lines

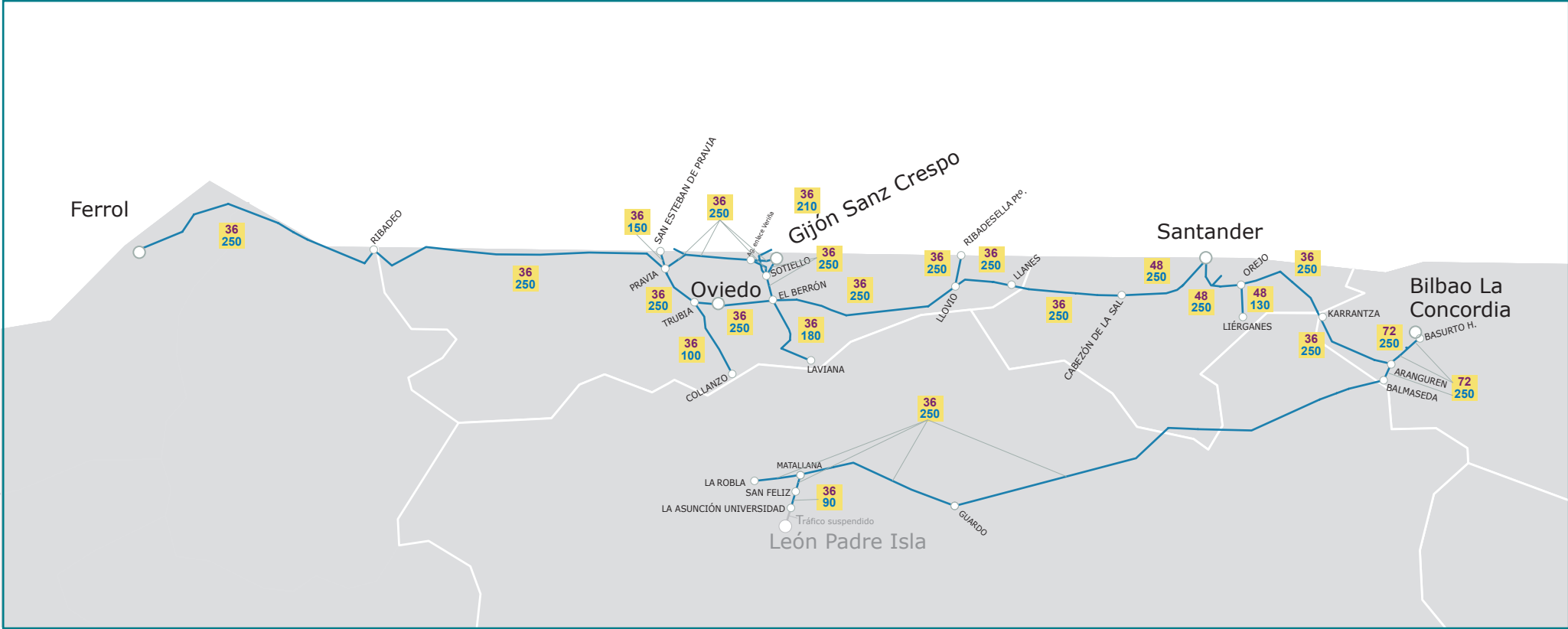


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- 100 km/h
- 80 km/h
- 70 km/h
- 60 km/h
- 50 km/h
- <50 km/h

- METRIC TRACK LINES
- STATIONS

Maximum Length of Passenger Trains Aranguren on Metric Gauge Lines



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METRIC TRACK LINES

STATIONS

Long metres BASIC SPECIAL

Maximum Length of Freight Trains On Metric Gauge Lines



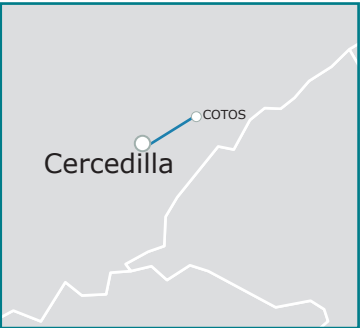
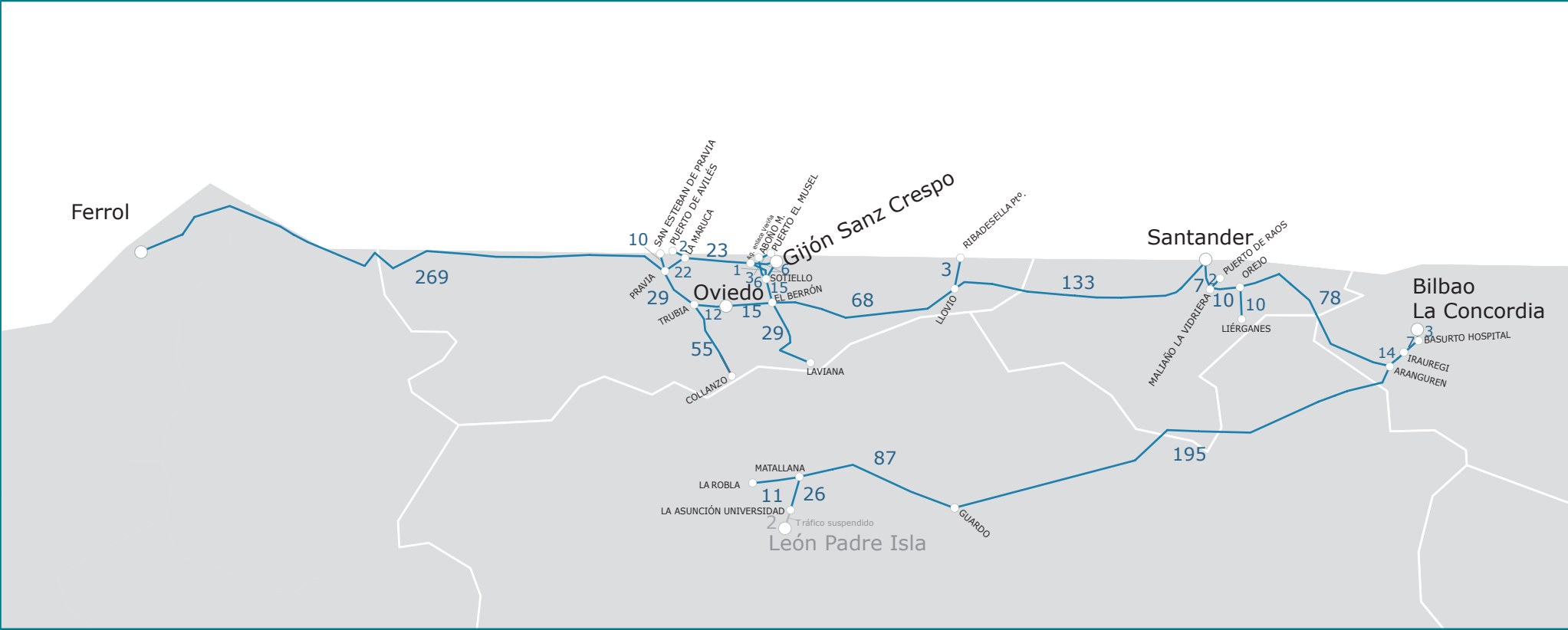
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METRIC TRACK LINES

STATIONS

Long metres BASIC SPECIAL

Distances In Kilometers of Metric Gauge Lines

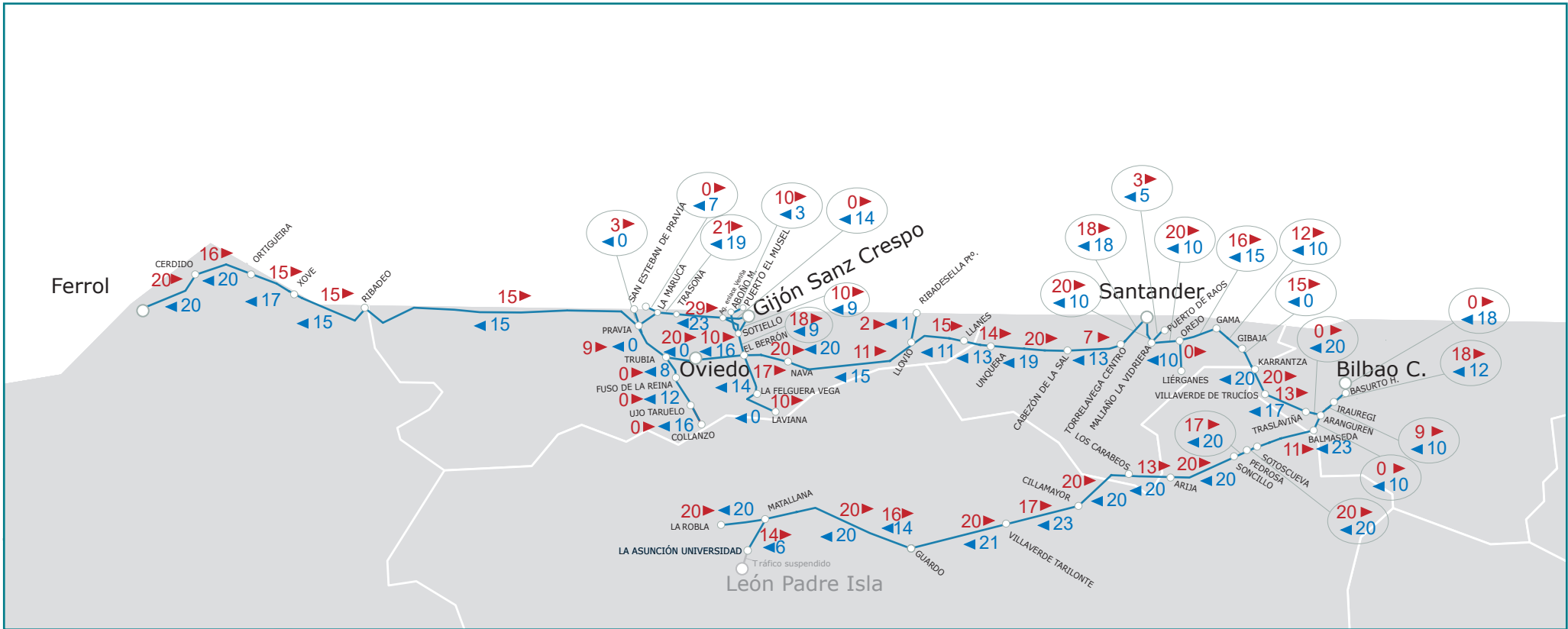


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METRIC TRACK LINES

STATIONS

Characteristic Gradients (Thousandths) of Metric Gauge Lines



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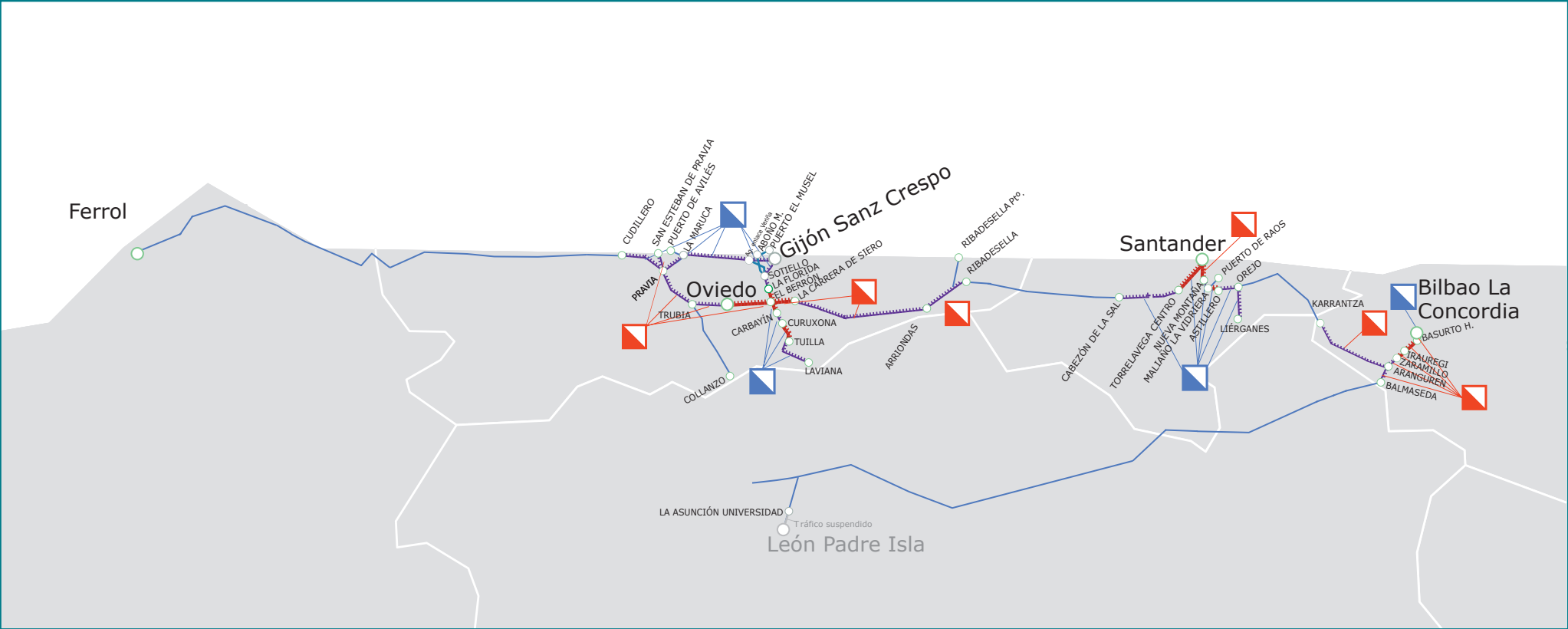
— METRIC TRACK LINES

○ STATIONS

▲ ODD DIRECTION

▲ EVEN DIRECTION

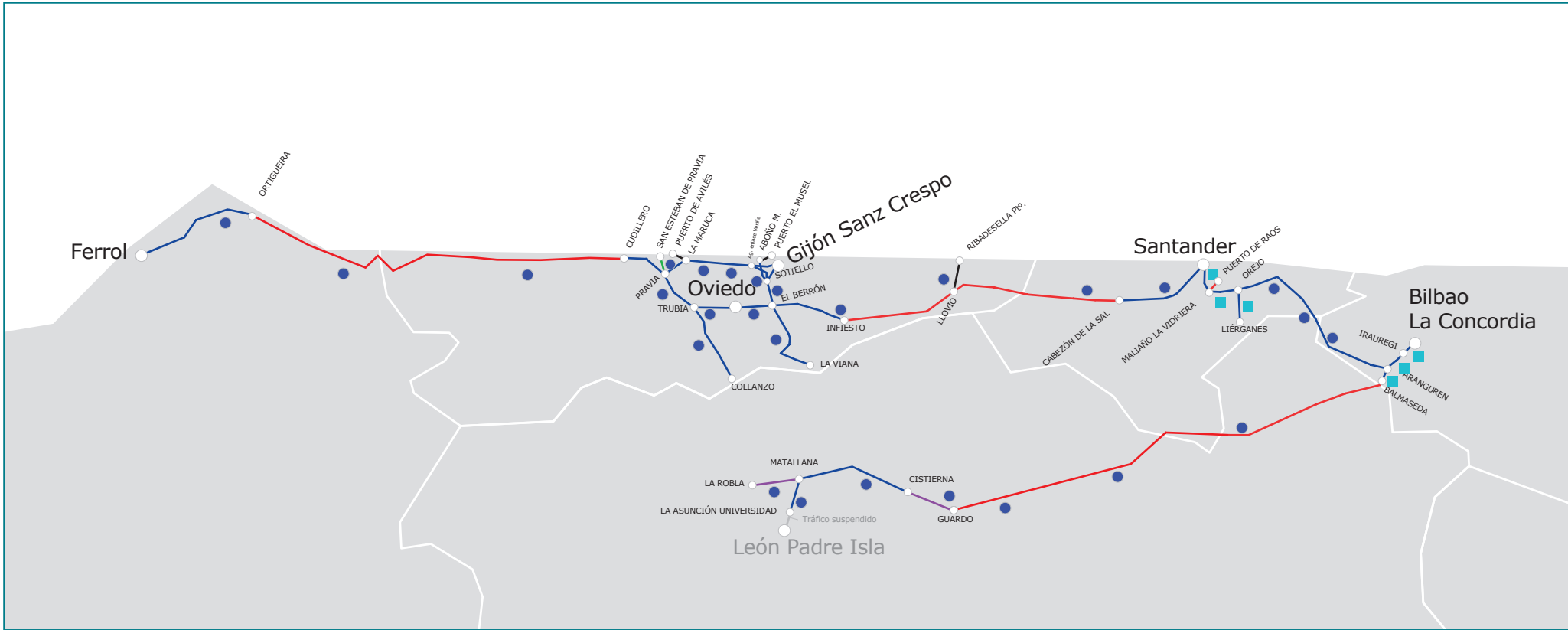
Electrified Lines and Types of Electrification of Metric Gauge Lines



- CATENARY
- COMPENSATED
- NON COMPENSATED
- NON-ELECTRIFIED RAILWAYS
- SINGLE
- DOUBLE AT 1.5 KV
- SINGLE AT 1.5 KV
- METRIC TRACK LINES
- STATIONS

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Block and Safety Systems on Metric Gauge Lines



- 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)
- B.L.A.U. + CTC

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- METRIC TRACK LINES
- ASFA (analogical) y ETC EMR
 - ASFA (digital) y ETC EMR
 - STACIONES

