

NETWORK STATEMENT 2023



9

MAPS



/ 1. GRALINF

/ 2. INFRASTR.

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/ 4. CAPACITY
ALLOCATION

/ 5. SERVICES
AND CHARGES

/ 6. OPERATIONS

/ 7. SERVICE
FACILITIES

/ 8. ANNE

/ **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.

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.

The Official State Gazette of 02/03/2023 published the Resolution of 23 February 2023 by the Directorate-General for Planning and Assessing the Railway Network, which published the Agreement of the Council of Ministers of 21 February 2023, to close the railway section between Tarancon and Utiel of line 03-310 Aranjuez-Valencia Fuente de San Luis.

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:

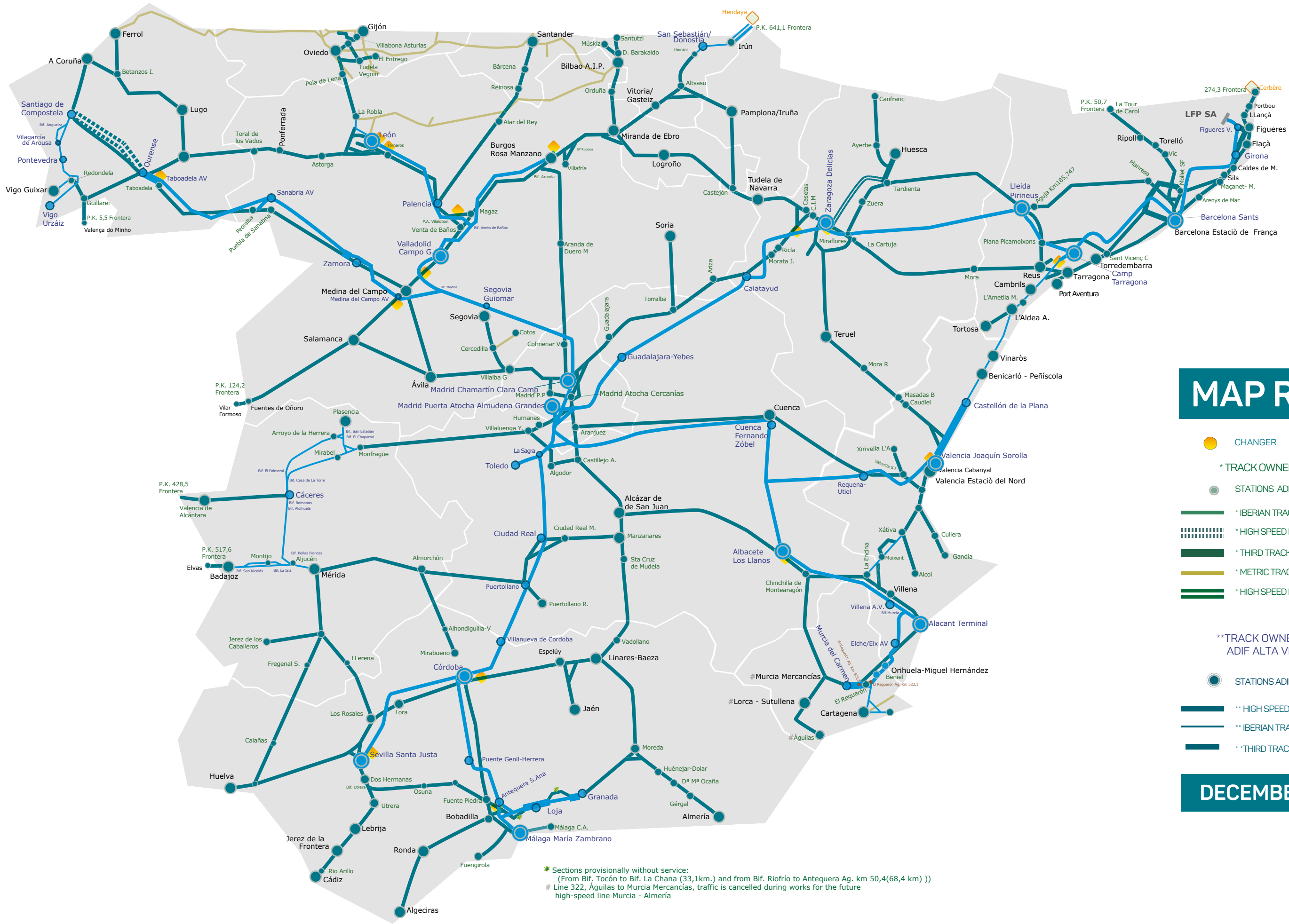
Characteristic Ramps in thousandths.

Map 6 RAM:

Types of Electrification and Catenaries.

Map 7 RAM:

Safety and Blocking Systems.

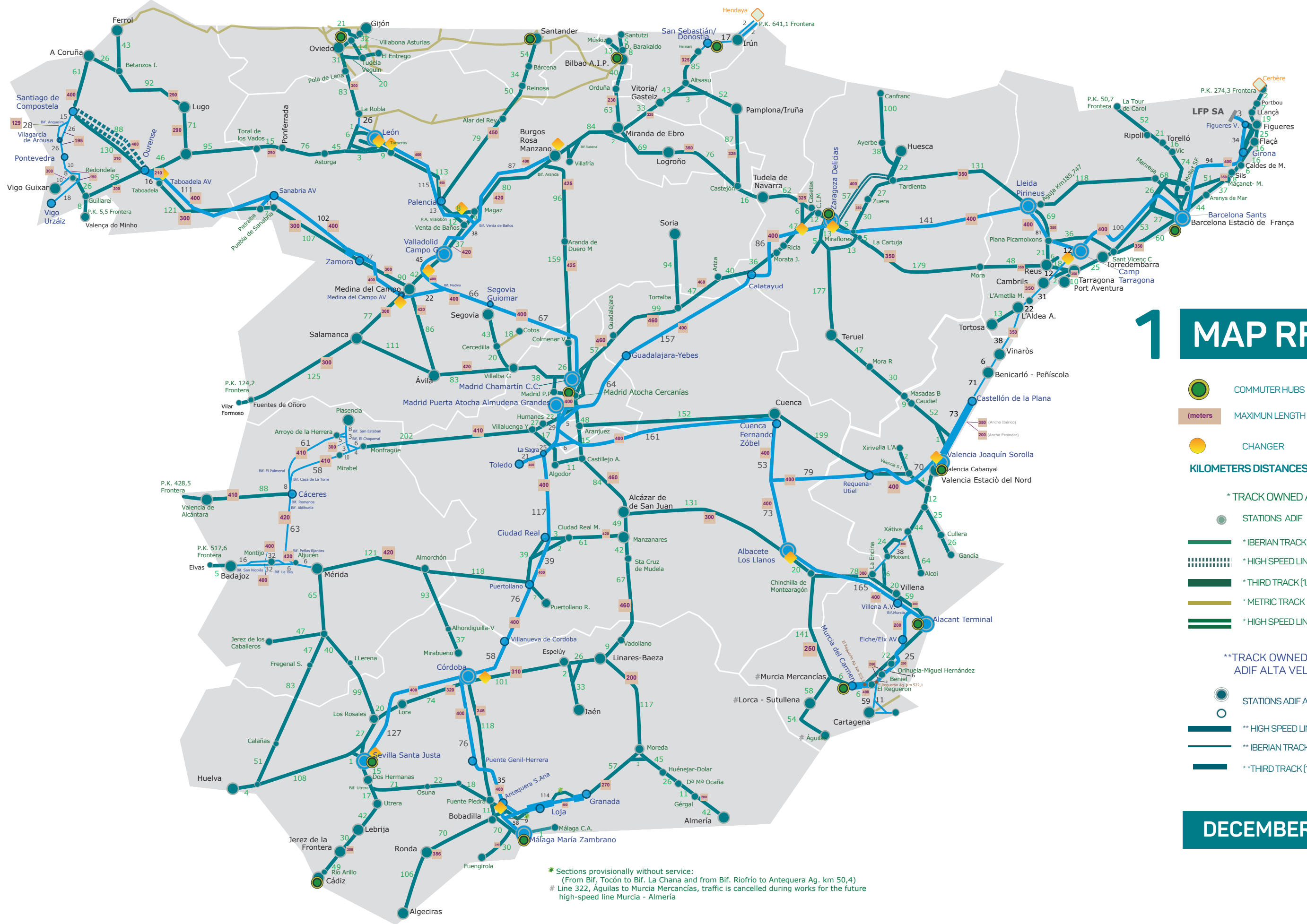


MAP RFIG

- CHANGER
- * TRACK OWNED ADIF
- STATIONS ADIF
- * IBERIAN TRACK (1668 mm)
- * HIGH SPEED LINES (1668 mm)
- * THIRD TRACK (1435 mm 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)

DECEMBER 2022

* 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



1 MAP RFIG

COMMUTER HUBS

(meters) MAXIMUM LENGTH OF PASSANGER TRAINS

CHANGER

KILOMETERS DISTANCES xxx Km

* TRACK OWNED ADIF

STATIONS ADIF

* IBERIAN TRACK (1668 mm)

* HIGH SPEED LINES (1668 mm)

* THIRD TRACK (1435 mm y 1668 mm)

* METRIC TRACK

* HIGH SPEED LINES (1435 mm)

** TRACK OWNED ADIF ALTA VELOCIDAD

STATIONS ADIF ALTA VELOCIDAD

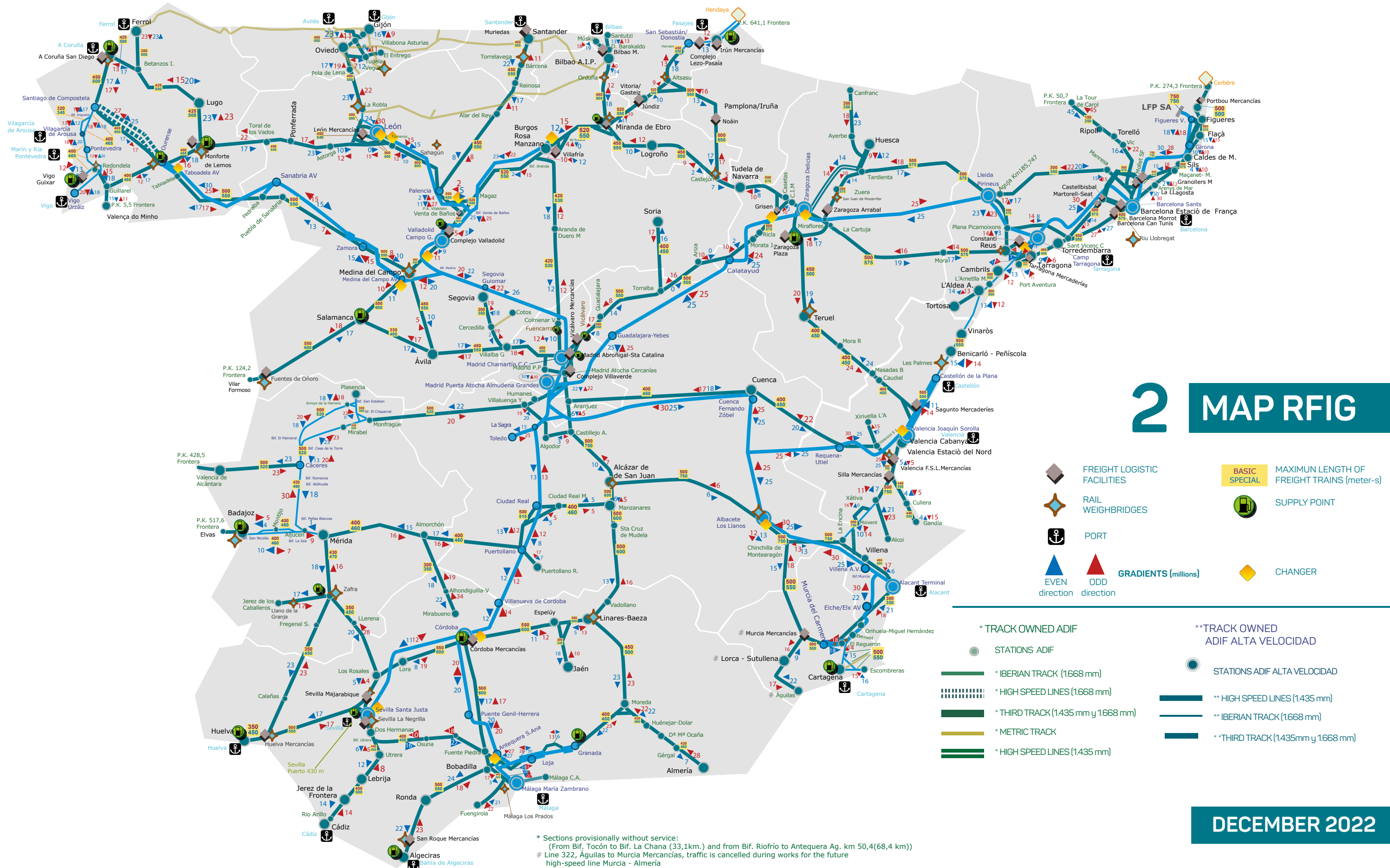
** HIGH SPEED LINES (1435 mm)

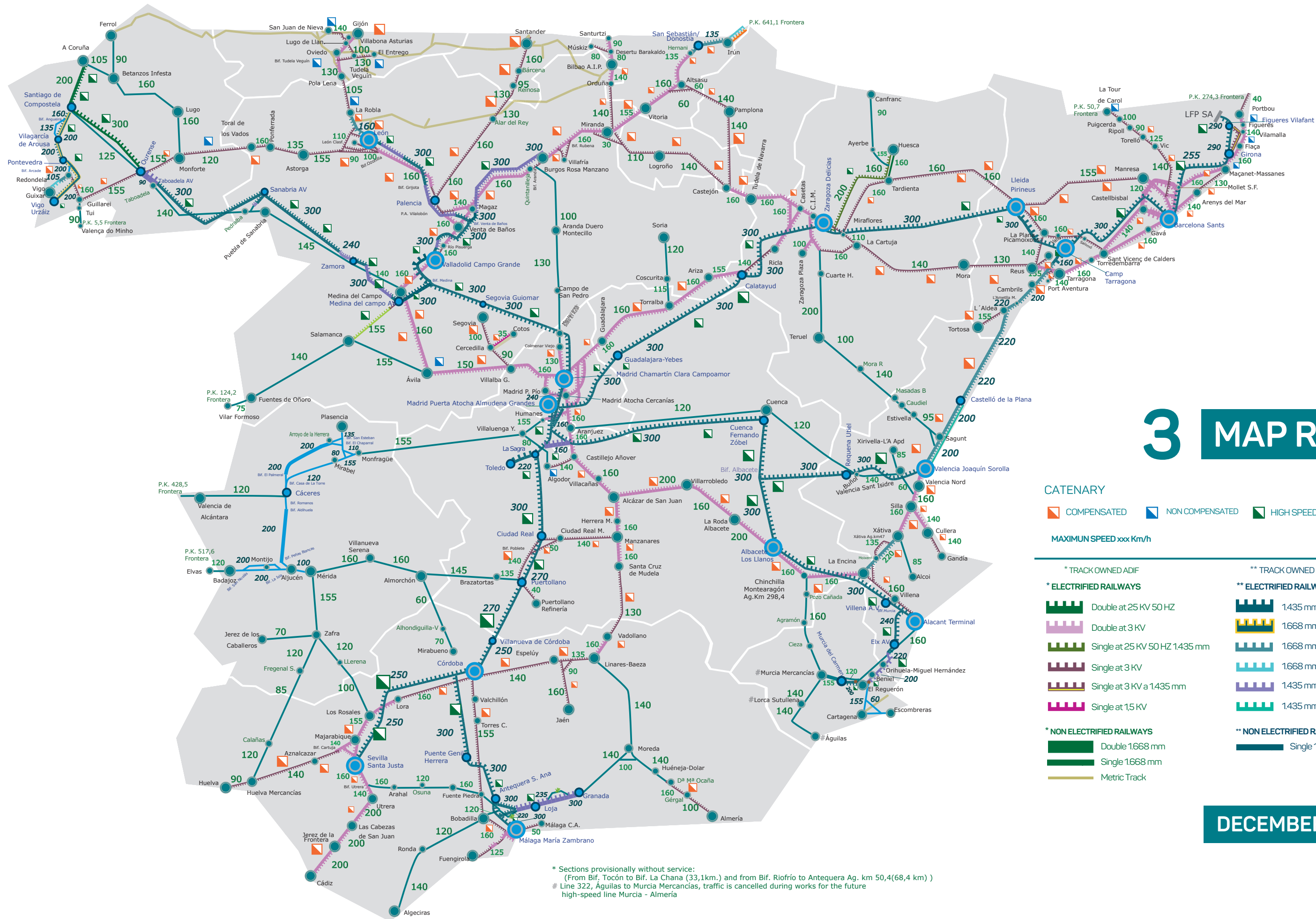
** IBERIAN TRACK (1668 mm)

* THIRD TRACK (1435mm y 1668 mm)

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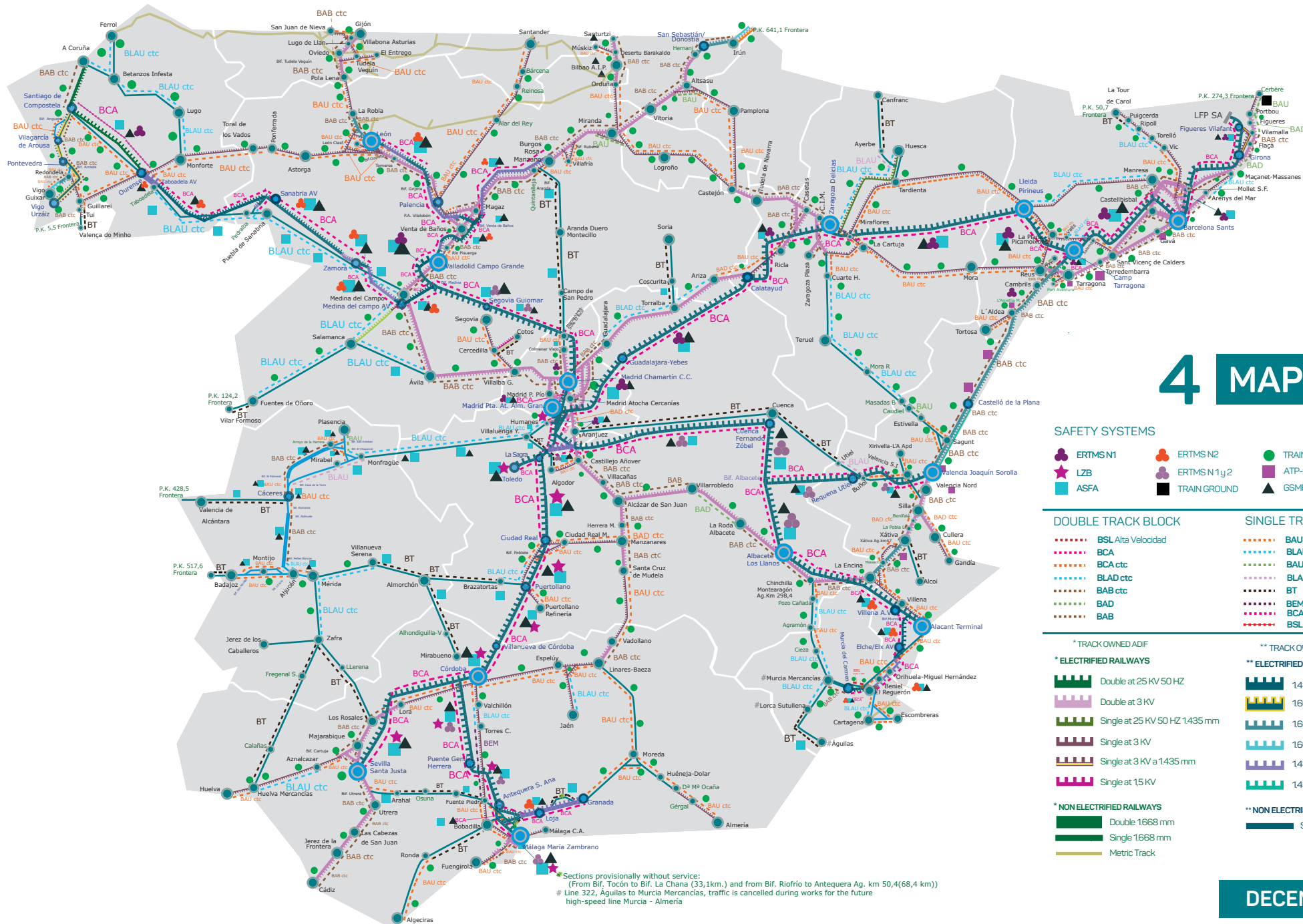
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3 MAP RFIG

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4 MAP RFIG

SAFETY SYSTEMS

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

DOUBLE TRACK BLOCK

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

SINGLE TRACK BLOCK

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

* TRACK OWNED ADIF

* ELECTRIFIED RAILWAYS

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

* NON ELECTRIFIED RAILWAYS

- Double 1668 mm
- Single 1668 mm
- Metric Track

** 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 at 3 KV

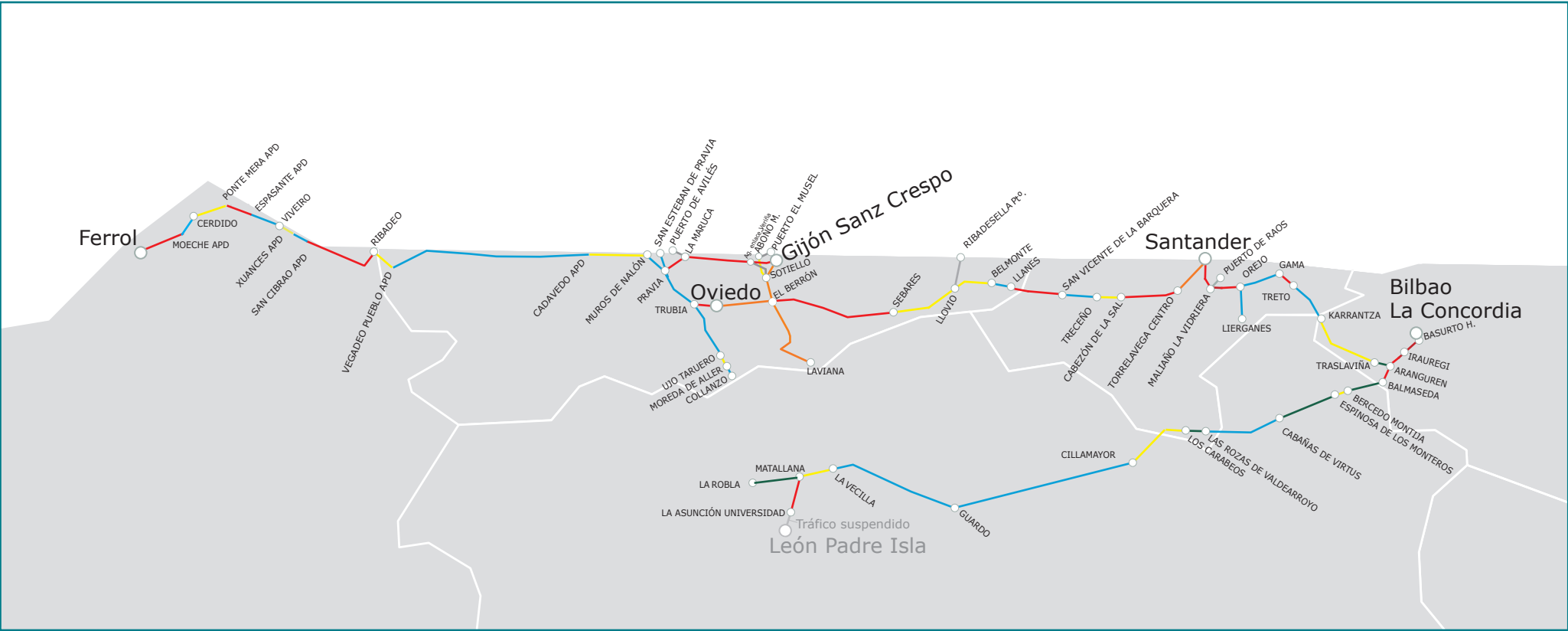
** NON ELECTRIFIED RAILWAYS

- Single 1668 mm

* Sections provisionally without service:
(From Bif. Torcón 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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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-Cercadilla
- STATIONS

2 MAP



MAXIMUM LENGTH OF FREIGHT TRAINS ON METRIC GAUGE LINES

3 MAP



October 2022



METRIC TRACK LINES
line 116 except Cotos-Cercedilla

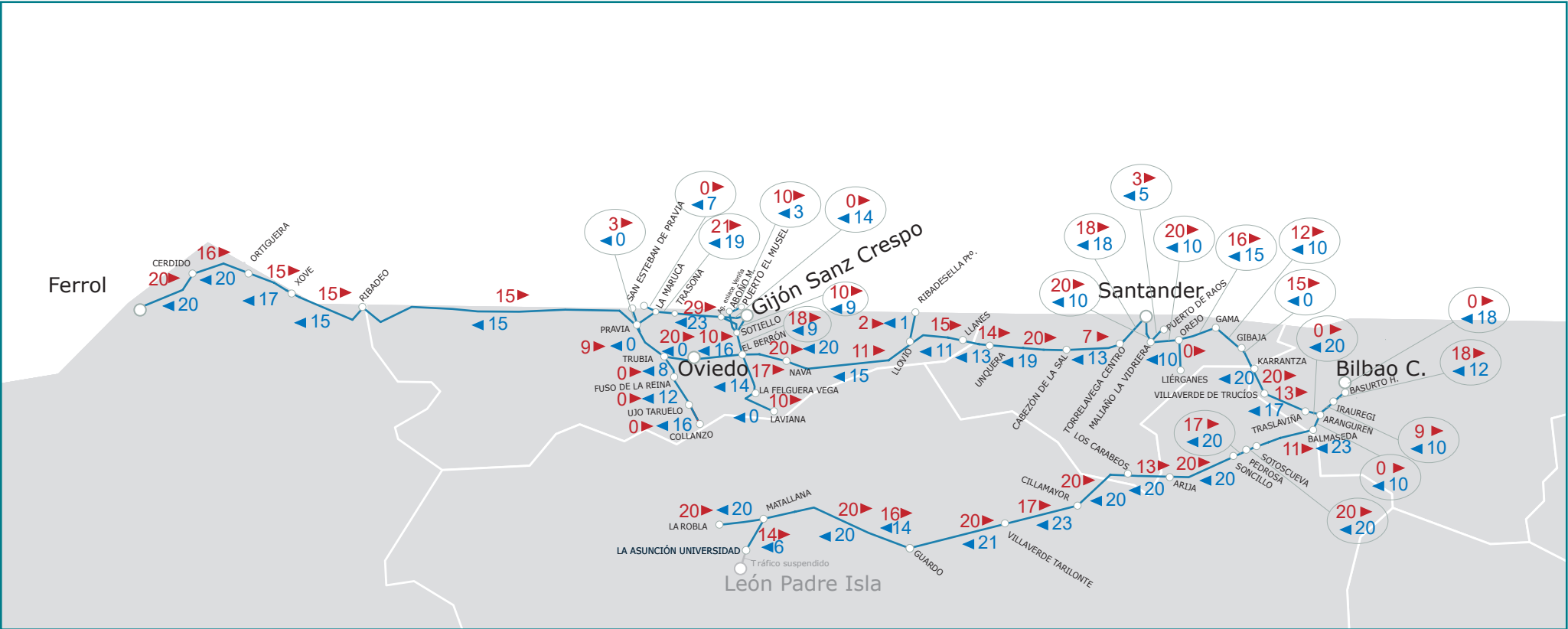
STATIONS

Leng.
meters

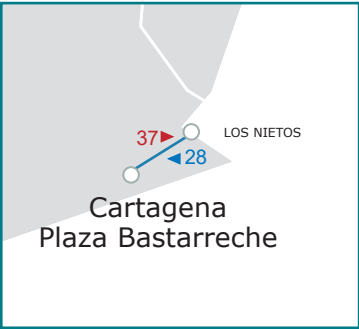
4 MAP



CHARACTERISTIC GRADIENTS (THOUSANDTHS) OF METRIC GAUGE LINES

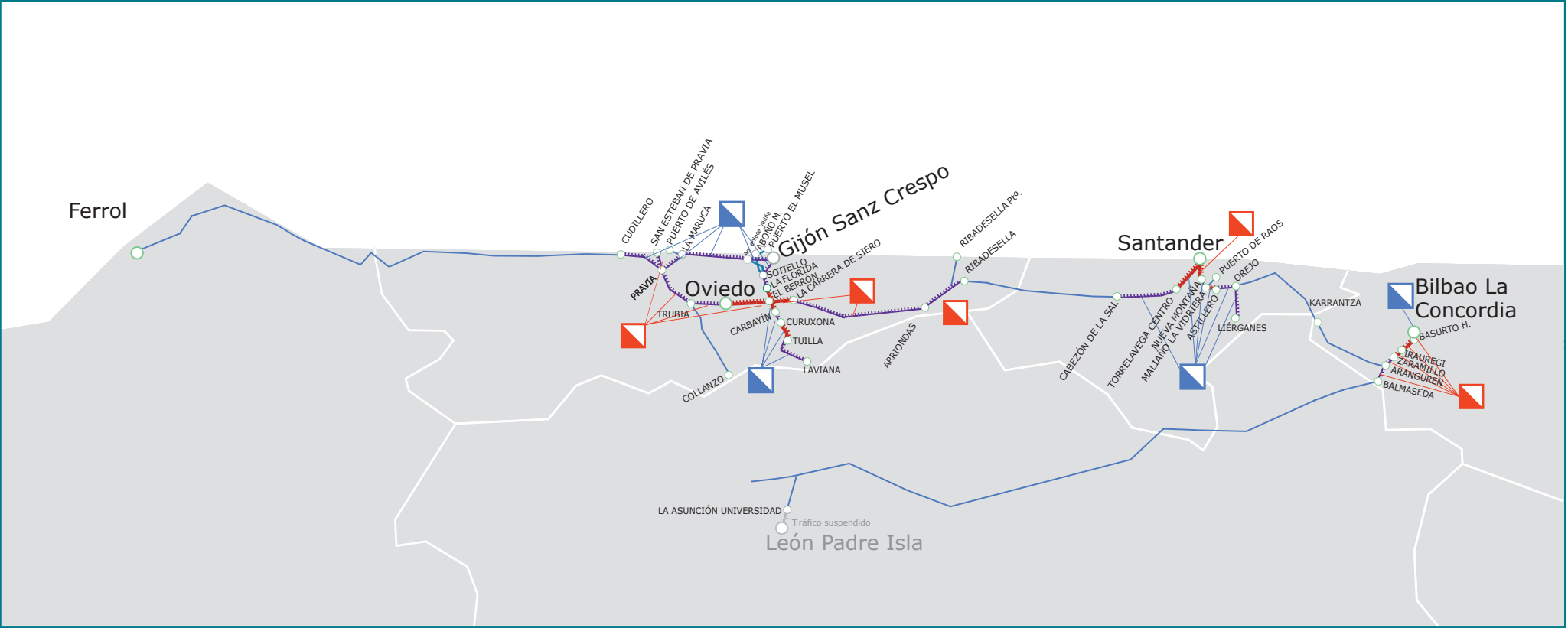


October 2022



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

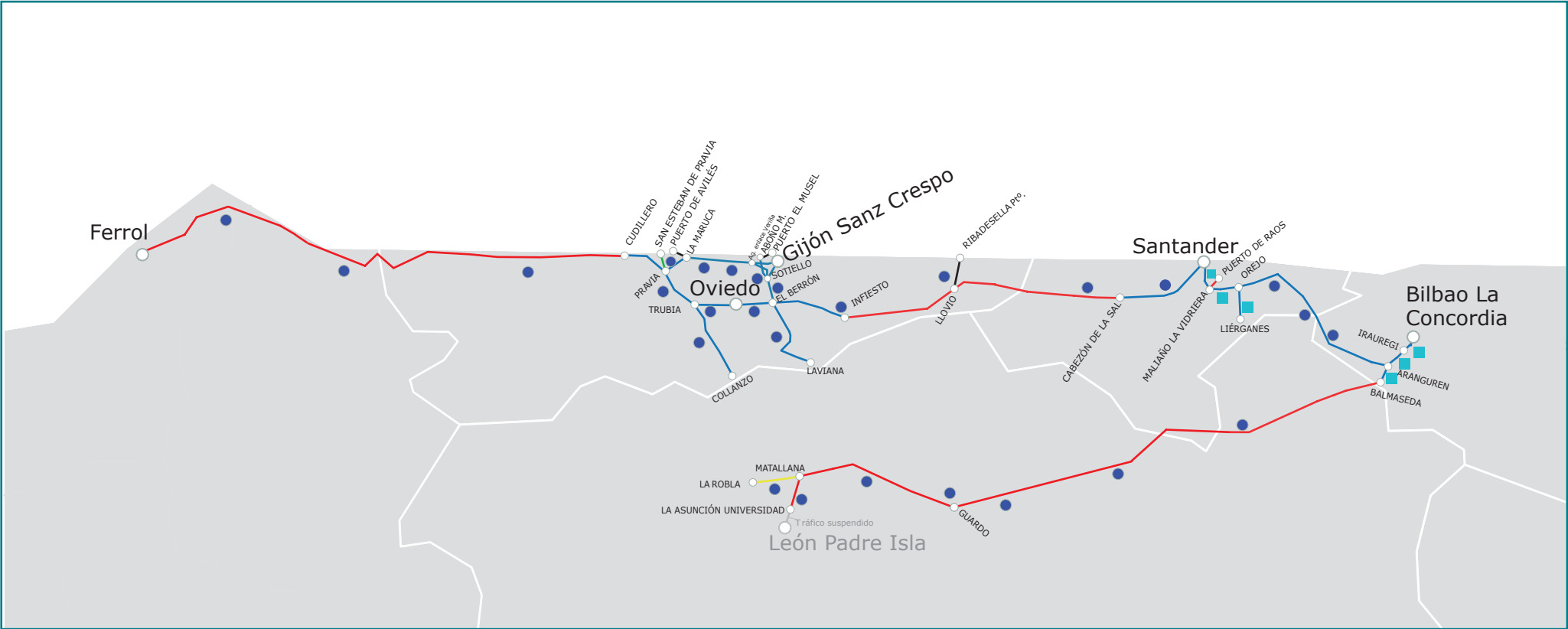
ELECTRIFIED LINES AND TYPES OF ELECTRIFICATION OF METRIC GAUGE LINES



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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

