

NETWORK STATEMENT

2021



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MAPS



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.

Fixed Diesel Fuel Supply Points updated as of 05/04/2021

Map 3:

Maximum Speeds, Types of Electrification and Catenaries.

Map 4:

Safety and Blocking Systems.

Map RAM 1:

Maximum speeds.

Map RAM 2:

Passenger trains maximum length.

Map RAM 3:

Maximum Length of Freight Trains.

Map RAM 4:

Distances in Kilometers.

Map RAM 5:

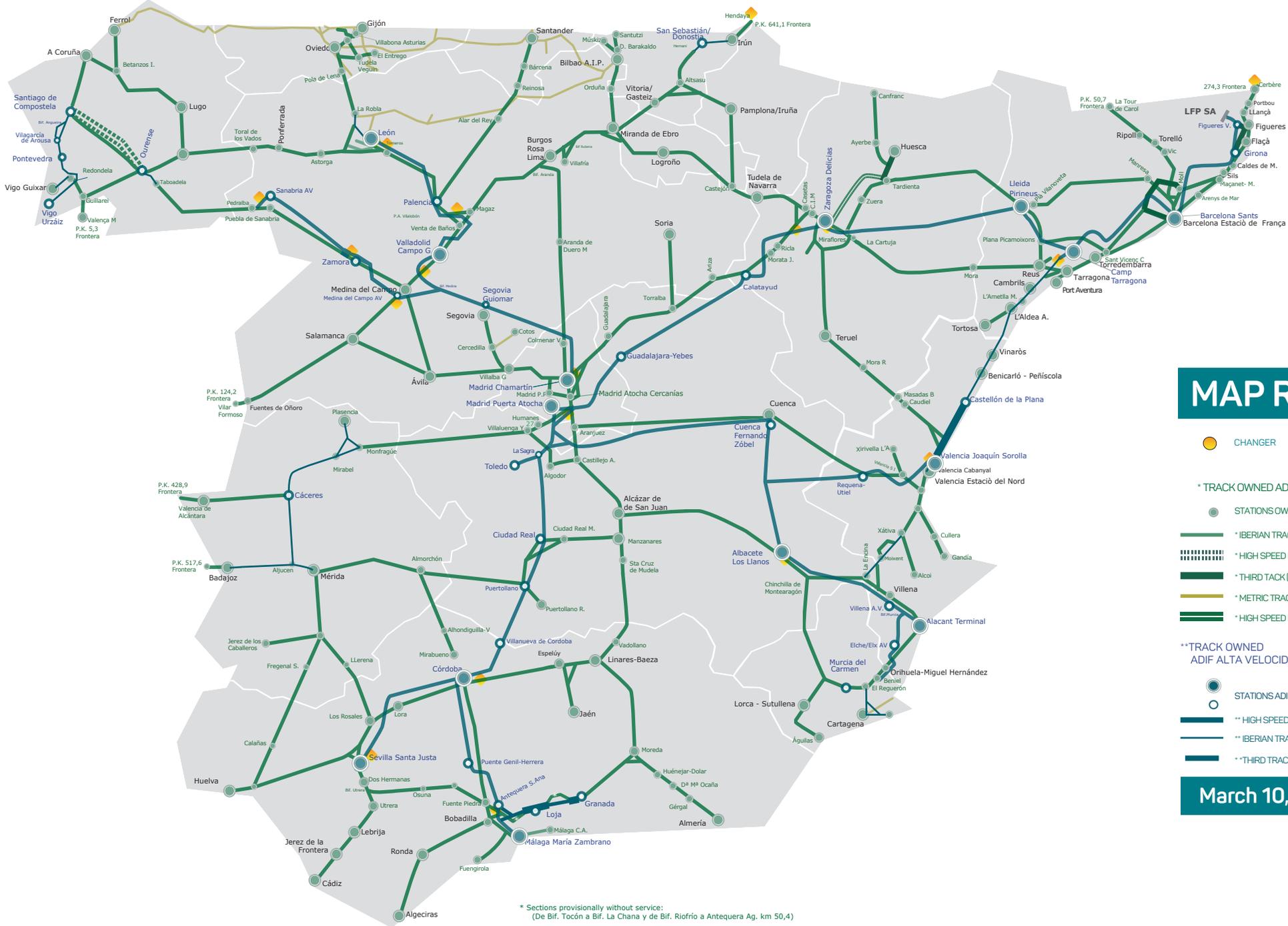
Characteristic Ramps in thousandths.

Map RAM 6:

Types of Electrification and Catenaries.

Map RAM 7:

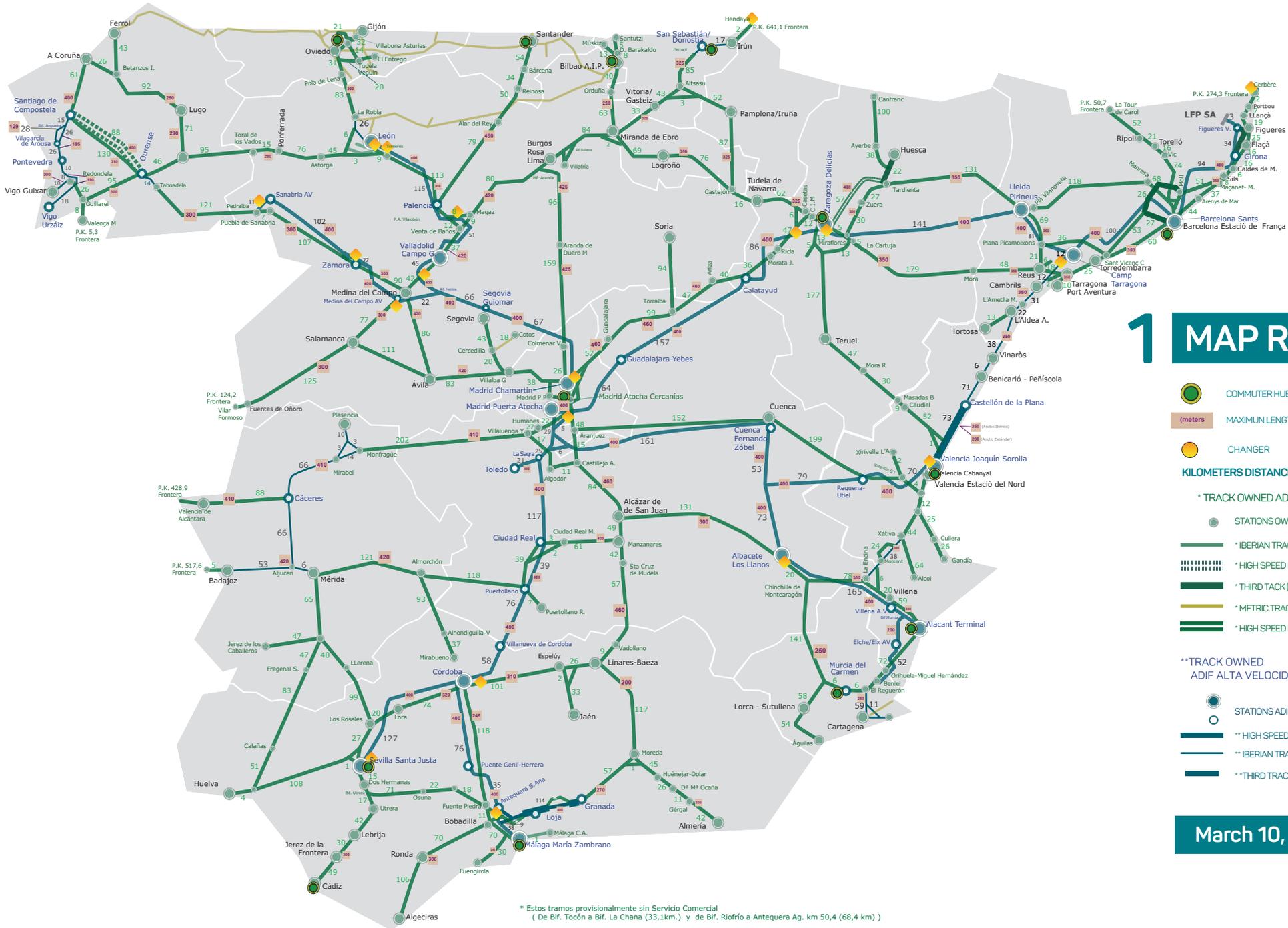
Safety and Blocking Systems



MAP RFEG

- CHANGER
- * TRACK OWNED ADIF
- STATIONS OWNED 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 (1435 mm y 1668 mm)

March 10, 2021

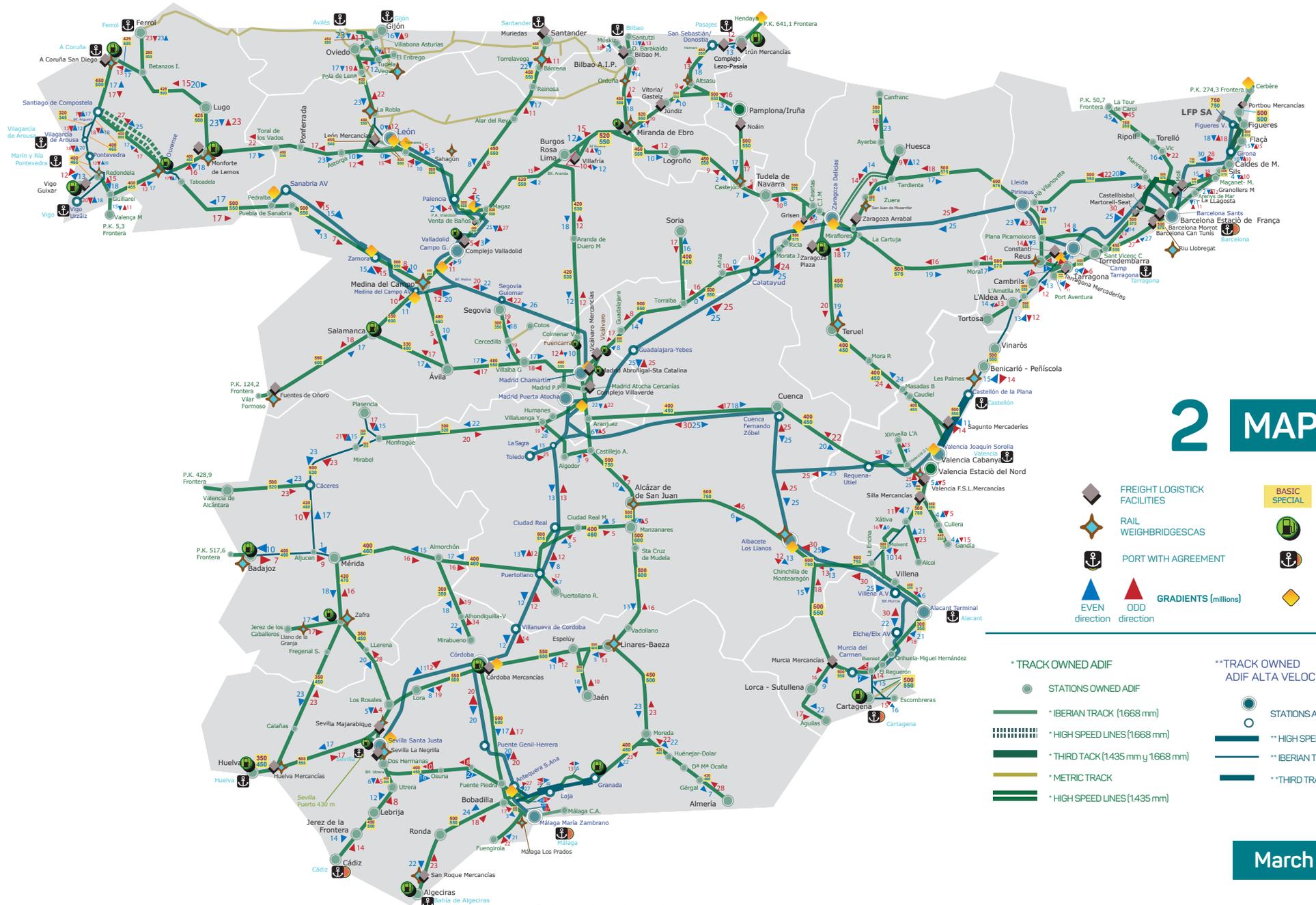


1 MAP RFIG

- COMMUTER HUBS
- (meters) MAXIMUM LENGTH OF PASSANGER TRAINS
- CHANGER
- KILOMETERS DISTANCES xxx Km**
- * TRACK OWNED ADIF**
 - STATIONS OWNED ADIF
 - * IBERIAN TRACK (1668 mm)
 - * THIRD TACK (1435 mm y 1668 mm)
 - * METRIC TRACK
 - * HIGH SPEED LINES (1435 mm)
- ** TRACK OWNED ADIF ALTA VELOCIDAD**
 - STATIONS ADIF ALTA VELOCIDAD
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 - ** THIRD TRACK (1435mm y 1668 mm)

March 10, 2021

* Estos tramos provisionalmente sin Servicio Comercial
 (De Bif. Tócn a Bif. La Chana (33,1km.) y de Bif. Riofrío a Antequera Ag. km 50,4 (68,4 km))



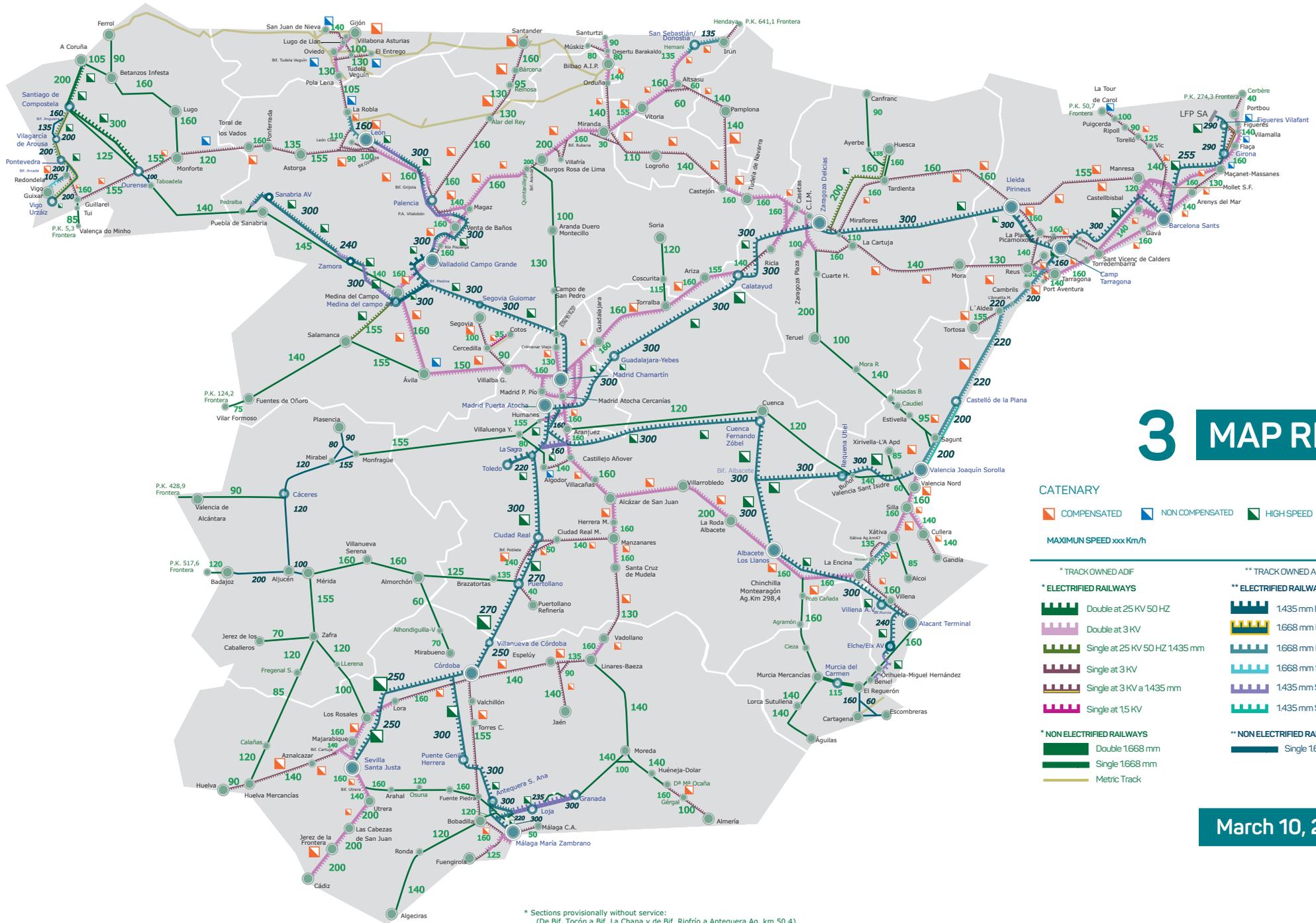
2 MAP RFIG

- FREIGHT LOGISTICK FACILITIES
- RAIL WEIGHBRIDGESCAS
- PORT WITH AGREEMENT
- EVEN direction
- ODD direction
- GRADIENTS (millions)
- CHANGER

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

March 10, 2021

* Sections provisionally without service:
(De Bif. Toción a Bif. La Chana y de Bif. Riofrio a Antequera Ag. km 50,4)



3 MAP RFIG

CATENARY

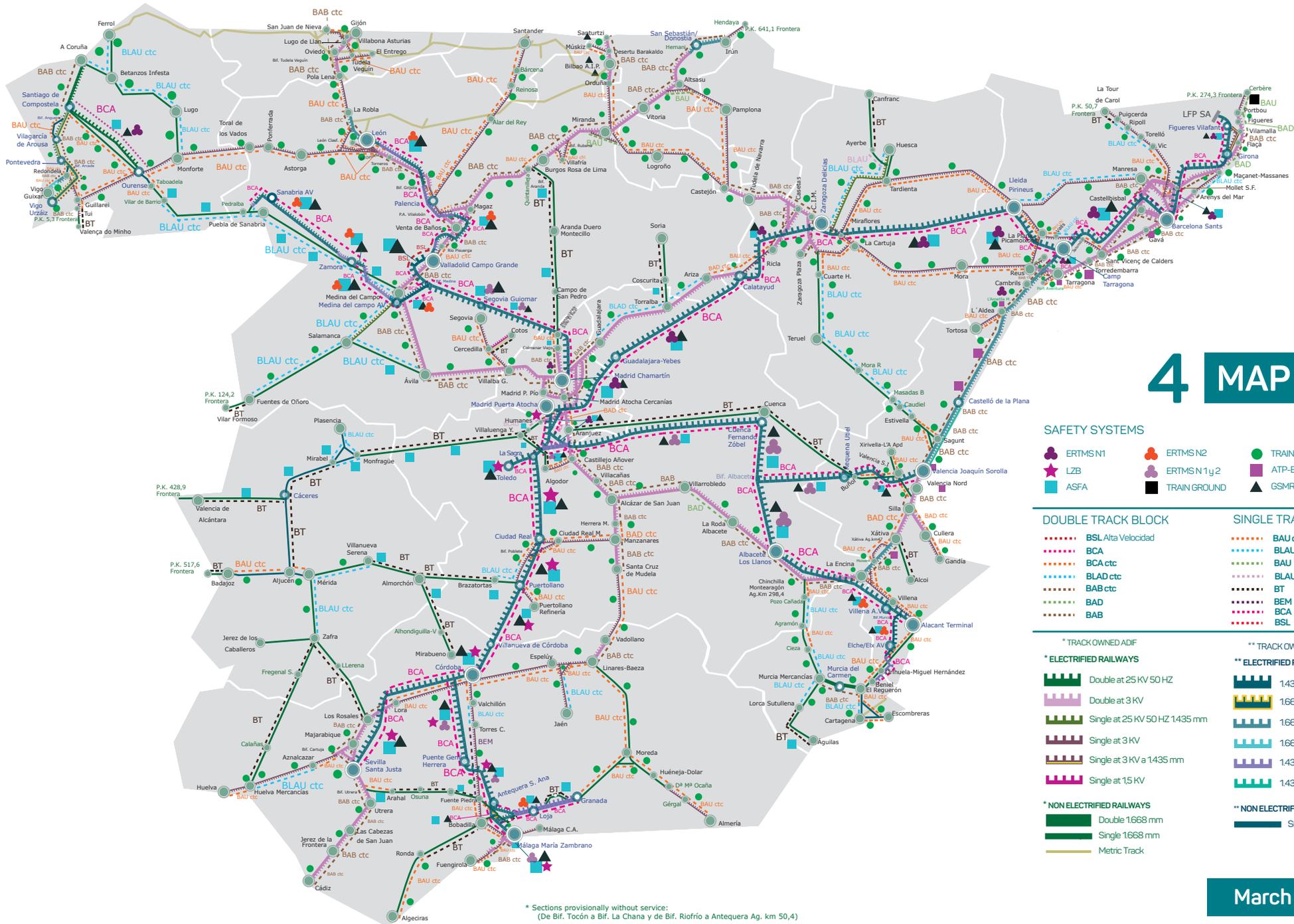
- ▣ COMPENSATED
- ▣ NON COMPENSATED
- ▣ HIGH SPEED

MAXIMUM SPEED xxx Km/h

* TRACK OWNED ADIF	** TRACK OWNED ADIF ALTA VELOCIDAD
* ELECTRIFIED RAILWAYS	** ELECTRIFIED RAILWAYS
Double at 25 KV 50 HZ	1435 mm Double at 25 KV 50 HZ
Double at 3 KV	1668 mm Double at 25 KV 50 HZ
Single at 25 KV 50 HZ 1435 mm	1668 mm Double at 3 KV
Single at 3 KV	1668 mm Single at 3 KV
Single at 3 KV a 1435 mm	1435 mm Double at 25 KV 50 HZ
Single at 15 KV	1435 mm Single at 3KV
* NON ELECTRIFIED RAILWAYS	** NON ELECTRIFIED RAILWAYS
Double 1668 mm	Single 1668 mm
Single 1668 mm	
Metric Track	

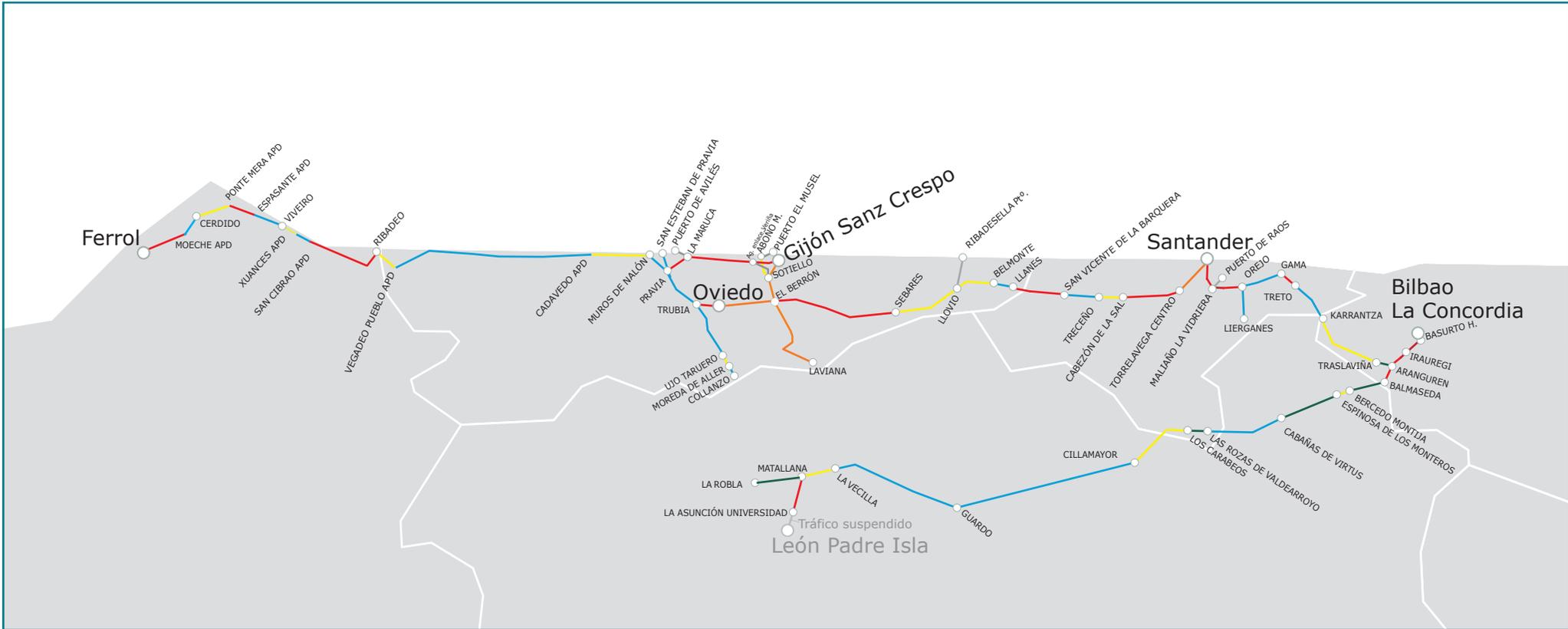
March 10, 2021

* Sections provisionally without service:
(De Bif. Tocón a Bif. La Chana y de Bif. Riofrío a Antequera Ag. km 50,4)



March 10, 2021

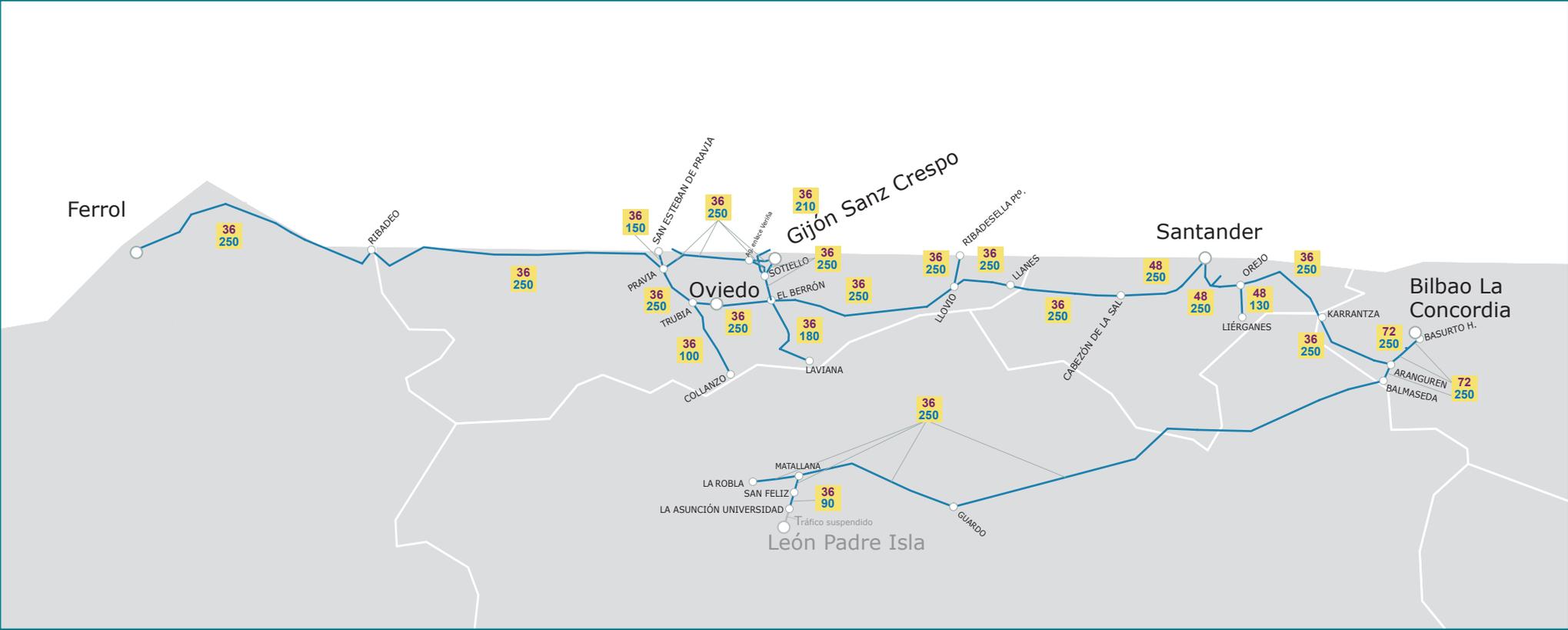
MAXIMUM SPEEDS ON METRIC GAUGE LINES



1 OCTOBER 2020

- 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



1 OCTOBER 2020

METRIC TRACK LINES
line 116 except Cotos-Cercedilla

STATIONS

Leng. meters **BASIC** **SPECIAL**

MAXIMUM LENGTH OF FREIGHT TRAINS ON METRIC GAUGE LINES



1 OCTOBER 2020

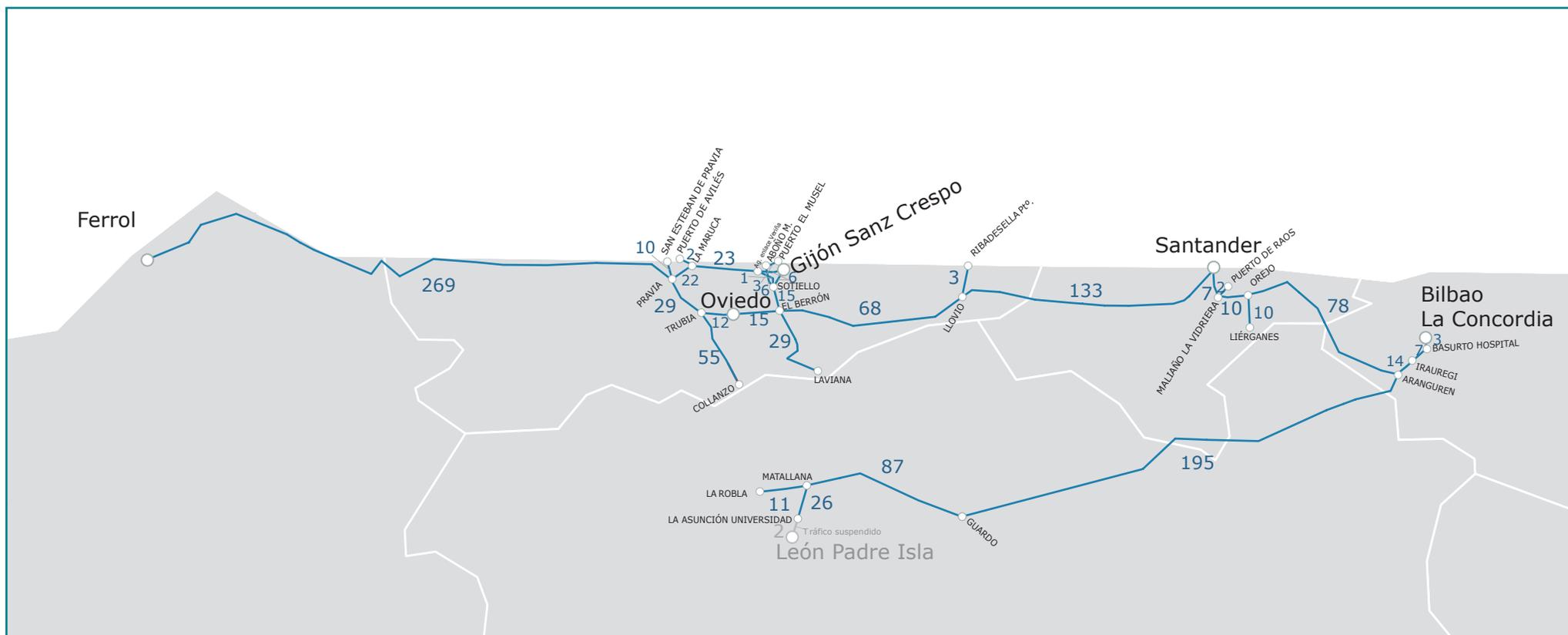
METRIC TRACK LINES
line 116 except Cotos-Cercedilla

STATIONS

Leng. meters BASIC SPECIAL



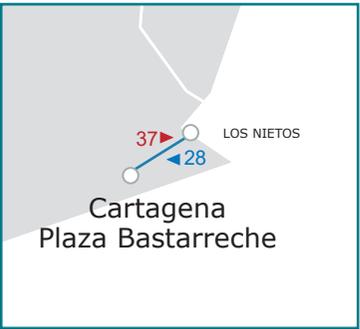
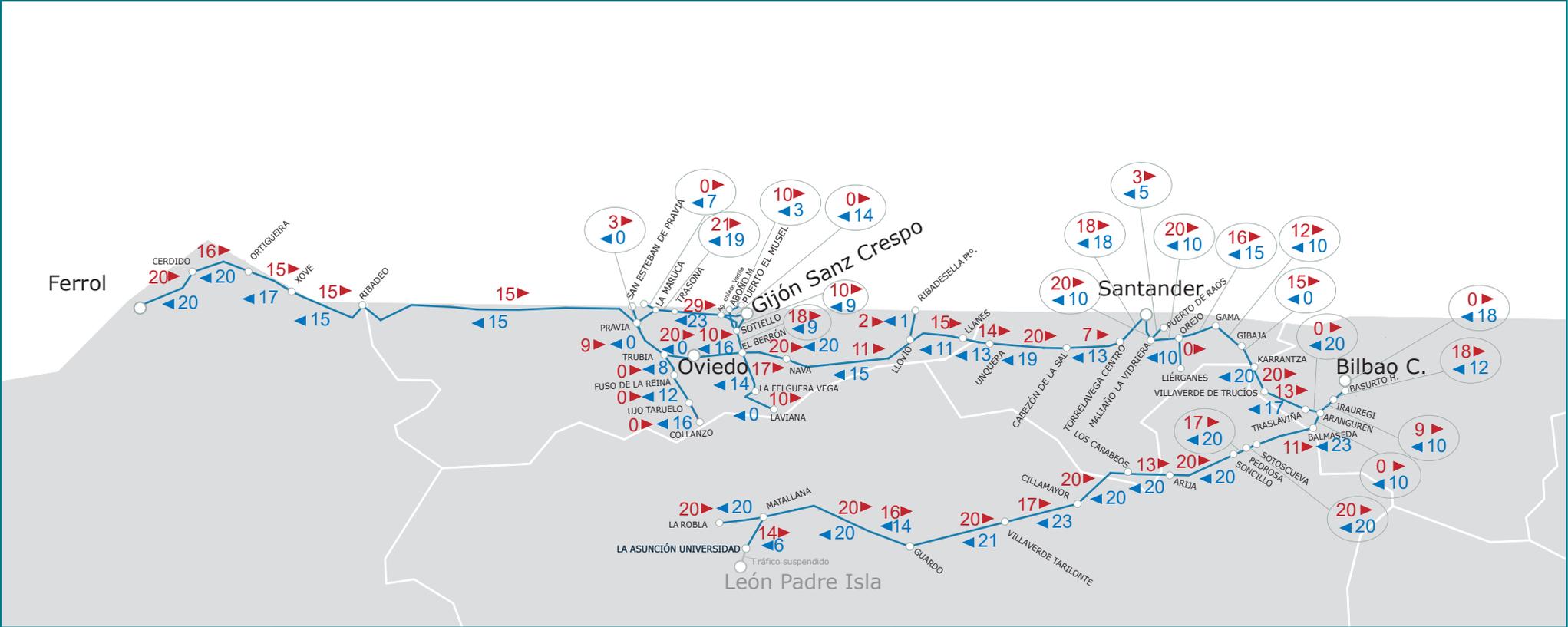
DISTANCES IN KILOMETERS OF METRIC GAUGE LINES



1 OCTOBER 2020

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

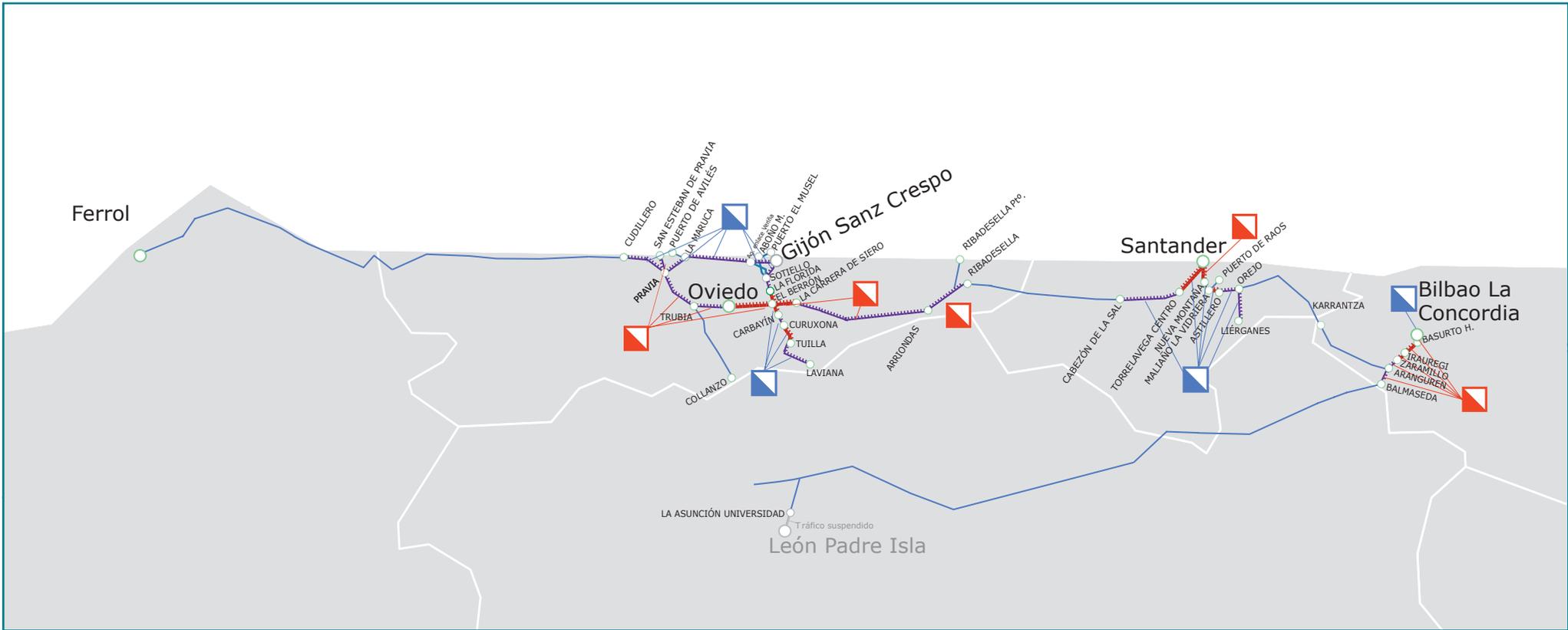
CHARACTERISTIC GRADIENTS (THOUSANDTHS) OF METRIC GAUGE LINES



1 OCTOBE 2020

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

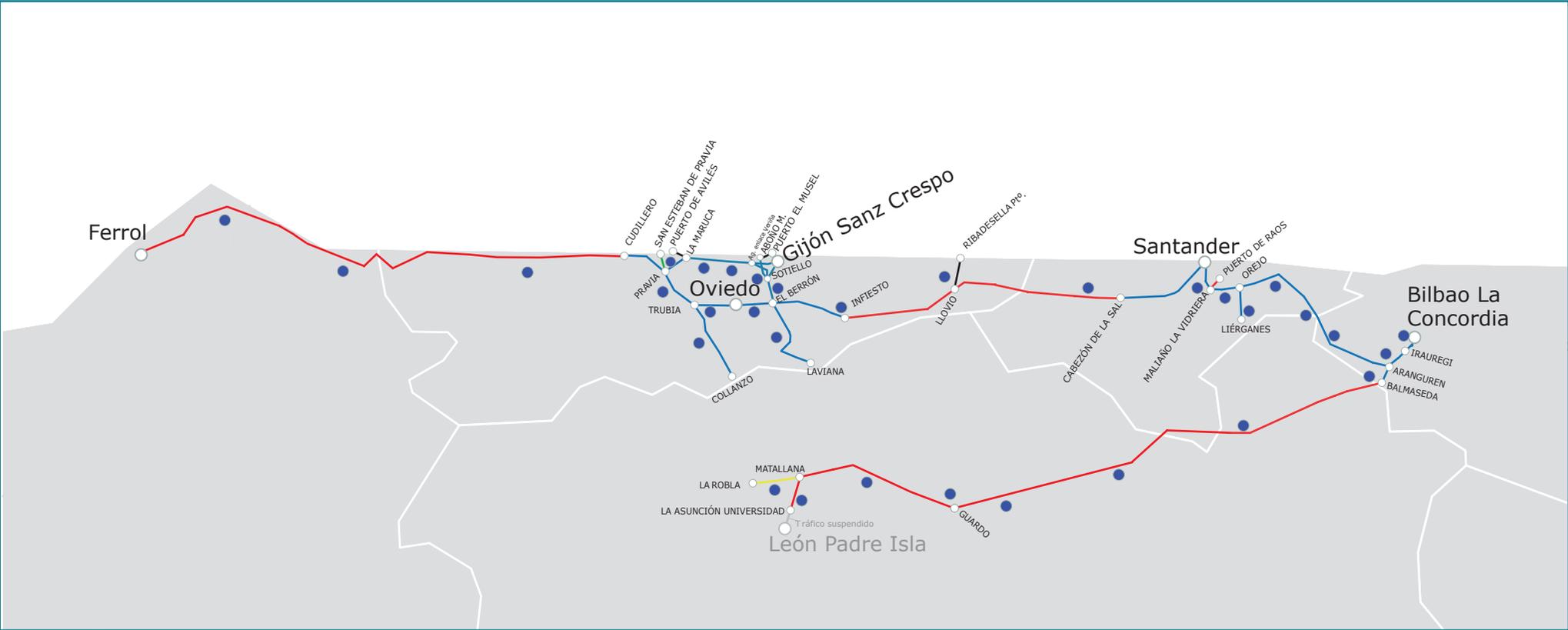
ELECTRIFIED LINES AND TYPES OF ELECTRIFICATION OF METRIC GAUGE LINES



1 OCTOBER 2020

- CATENARY
 - ▣ COMPENSATED
 - ▣ NON COMPENSATED
- NON-ELECTRIFIED RAILWAYS
 - SINGLE
- ELECTRIFIED RAILWAYS
 - ▬▬▬ DOUBLE AT 11.5 KV
 - ▬▬▬ SINGLE AT 1.5 KV
- METRIC TRACK LINES
 - line 116 except Cotos-Cercedilla

BLOCK AND SAFETY SYSTEMS ON METRIC GAUGE LINES



1 OCTOBER 2020



- 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)
- STATIONS