

Maps

**Network
Statement
2017**





MAPS OF ADIF-ALTA VELOCIDAD MANAGED NETWORK

MAPS ADIF ALTA VELOCIDAD OWNED GENERAL INTEREST RAIL NETWORK

Map 1

- * Lines, Stations specifying their Category, Maximum length of passenger trains and freight trains and Maximum line speeds.

Map 2

- * Kilometres distances and characteristic ramps expressed in thousandths.

Map 3

- * Track gauges and gauge changers and types.

Map 4

- * Typology of electrification specifying the type of Catenary, Safety Systems and Blocking.

These maps are available in an attached document on the Adif Alta Velocidad Web, in interactive PDF format that allow to add and disaggregate layers to individually visualize and print, the contents of each.



MAP 1

ADIF ALTA VELOCIDAD



31 May 2017

MAXIMUM SPEEDS
xxx Km/h

MAXIMUM LENGTH OF FREIGHT TRAINS
(meters)

BASIC
SPECIAL

MAXIMUM LENGTH OF PASSENGER TRAINS
(meters)

* TRACK OWNED ADIF

● Categ 1
○ Categ 2
○ STATIONS OWNED ADIF ALTA VELOCIDAD

** IBERIAN TRACK (1,668 mm)

** HIGH SPEED LINES (1,435 mm)

** TRACK OWNED ADIF ALTA VELOCIDAD

● Categ 1
○ Categ 2
○ STATIONS OWNED ADIF

** IBERIAN TRACK (1,668 mm)

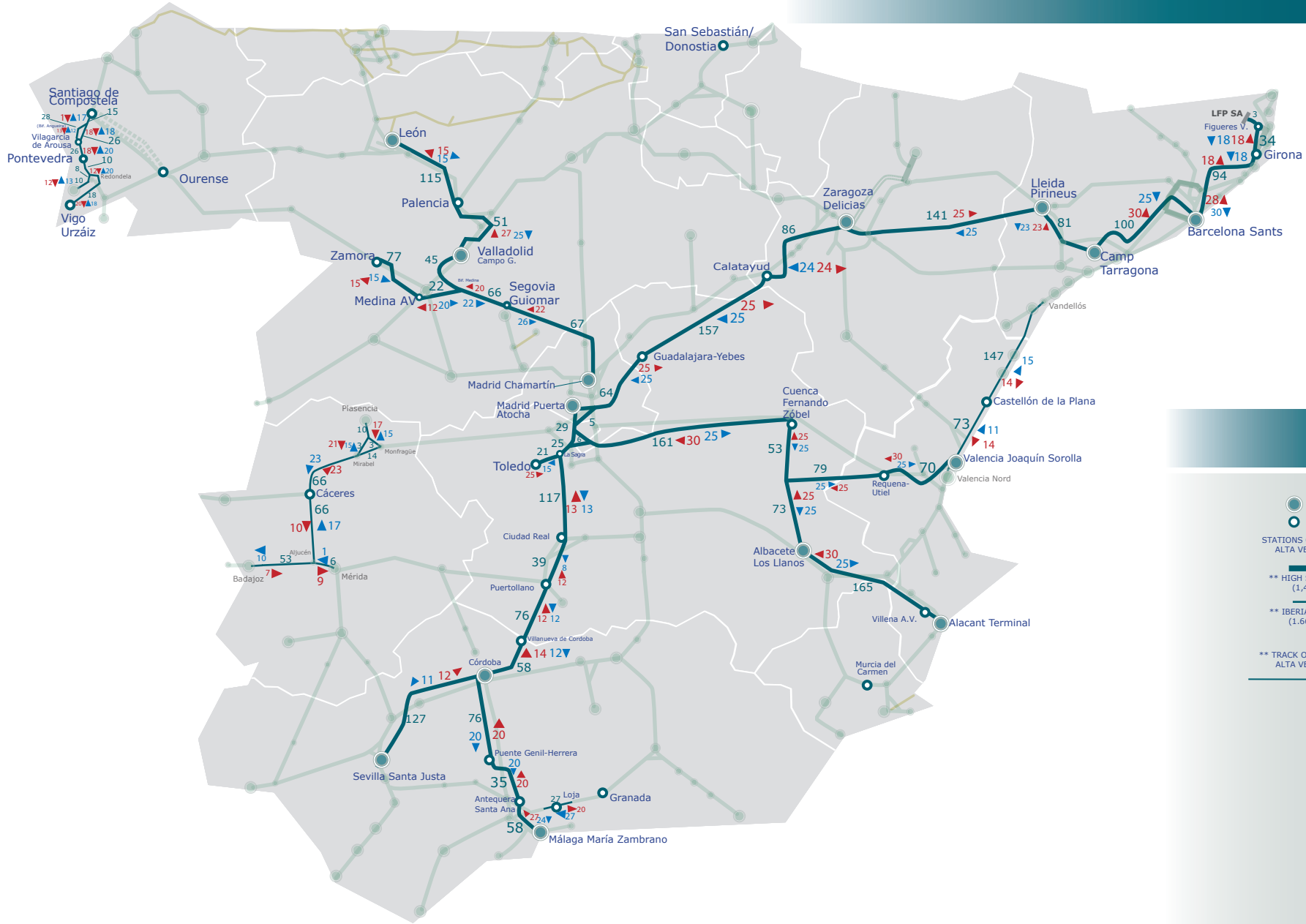
** HIGH SPEED LINES (1,668 mm)

** THIRD TRACK (1,435 mm and 1,668 mm)

** METRIC TRACK

** HIGH SPEED LINES (1,435 mm)

MAP 2 ADIF ALTA VELOCIDAD



31 May 2017

MAXIMUM SPEED
xxx Km

STATIONS OWNED ADIF ALTA VELOCIDAD

GRADIENTS (millions)

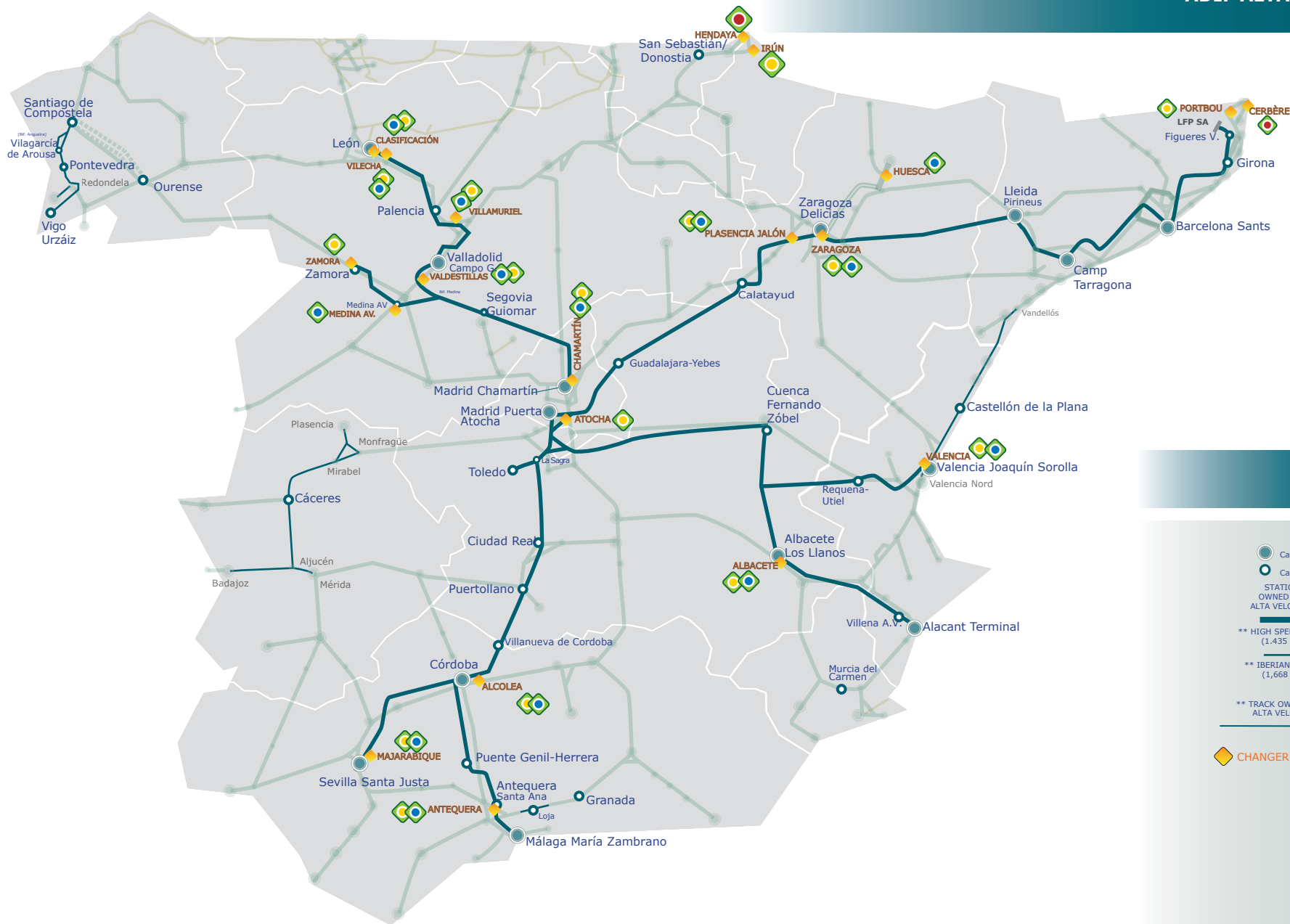
EVEN DIRECTION **ODD DIRECTION**

** TRACK OWNED ADIF ALTA VELOCIDAD

* TRACK OWNED ADIF

- Categ 1
- Categ 2
- STATIONS OWNED ADIF
- ** IBERIAN TRACK (1,668 mm)
- * HIGH SPEED LINES (1,668 mm)
- * HYBRID TRACK (1,435 mm and 1,668 mm)
- * METRIC TRACK
- * HIGH SPEED LINES (1,435 mm)

MAP 3 ADIF ALTA VELOCIDAD

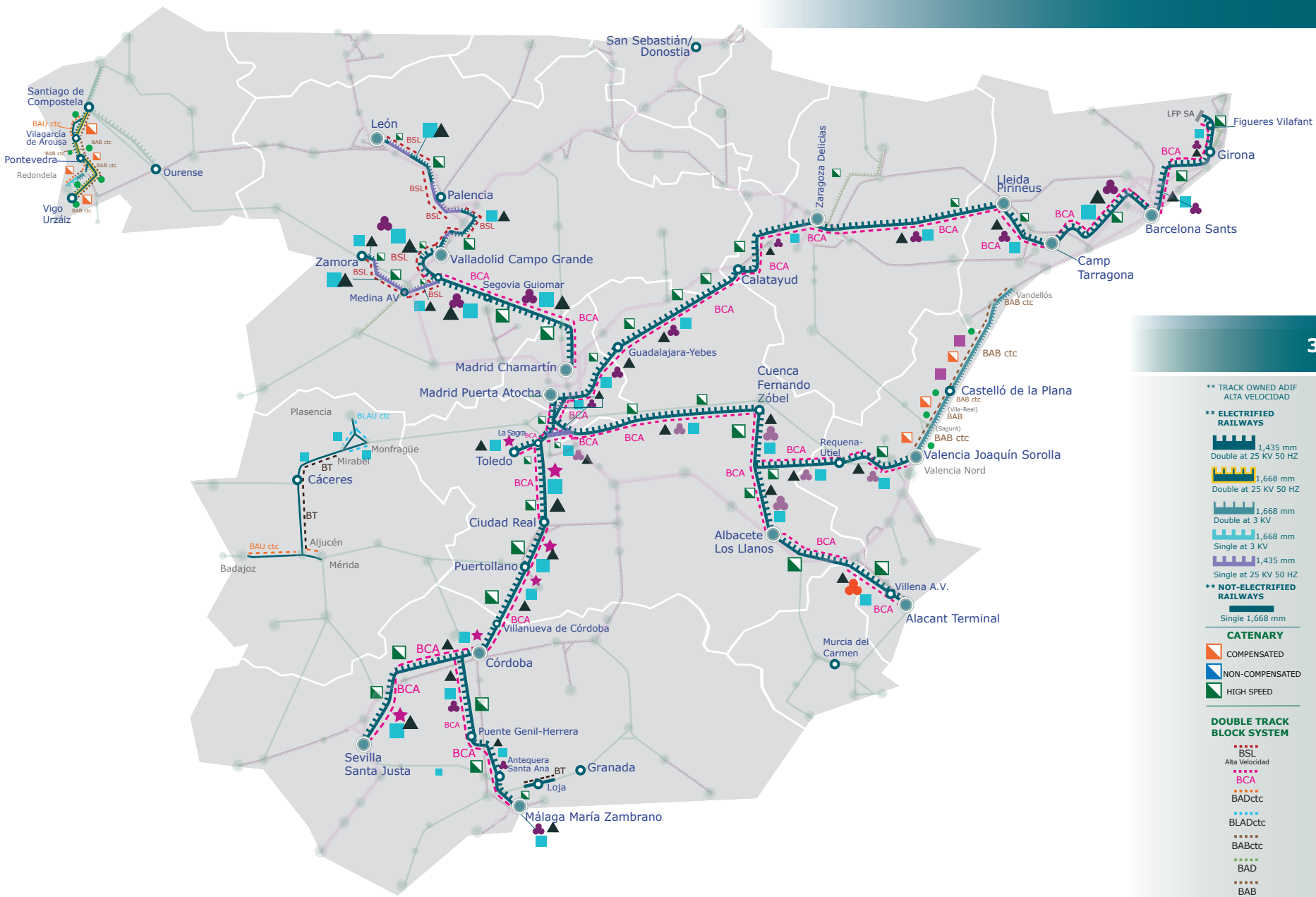


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<ul style="list-style-type: none"> ● Categ 1 ● Categ 2 <p>STATIONS OWNED ADIF ALTA VELOCIDAD</p> <ul style="list-style-type: none"> ** HIGH SPEED LINES (1,435 mm) ** IBERIAN TRACK (1,668 mm) ** TRACK OWNED ADIF ALTA VELOCIDAD <p>◇ CHANGER</p>	<ul style="list-style-type: none"> ◇ TALGO TYPE GAUGE CHANGER ◇ CAF TYPE GAUGE CHANGER ◇ TRANSFESA TYPE AXLE CHANGER (GOODS) <p>* TRACK OWNED ADIF</p> <ul style="list-style-type: none"> ● Categ 1 ● Categ 2 <p>STATIONS OWNED ADIF</p> <ul style="list-style-type: none"> * IBERIAN TRACK (1,668 mm) * HIGH SPEED LINES (1,668 mm) * THIRD TRACK (1,435 mm and 1,668 mm) * METRIC TRACK * HIGH SLEEP LINES (1,435 mm)
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MAP 4

ADIF ALTA VELOCIDAD



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**** TRACK OWNED ADIF ALTA VELOCIDAD**

**** ELECTRIFIED RAILWAYS**

- 1,435 mm Double at 25 KV 50 HZ
- 1,668 mm Double at 25 KV 50 HZ
- 1,668 mm Double at 3 KV
- 1,668 mm Single at 3 KV
- 1,435 mm Single at 25 KV 50 HZ

**** NOT-ELECTRIFIED RAILWAYS**

- Single 1,668 mm

*** TRACK OWNED ADIF ELECTRIFIED RAILWAYS**

- Double at 25 KV 50 HZ
- Double at 3 KV
- Single at 25 KV 50 HZ
- Single at 3 KV
- Single at 1,5 KV

*** NOT-ELECTRIFIED RAILWAYS**

- Double 1,668 mm
- Single 1,668 mm

SAFETY SYSTEMS

- ERTMS N1
- L2B
- ASFA
- GSMR
- ERTMS N2
- TRAIN GROUND AND ASFA
- ERTMS N1+2
- ATP-EDCAB

DOUBLE TRACK BLOCK SYSTEM

- BSL Alta Velocidad
- BCA
- BADctc
- BLADctc
- BABctc
- BAD
- BAB

SINGLE TRACK BLOCK SYSTEM

- BAUctc
- BLAUctc
- BAU
- BLAU
- BT
- BEM
- BCA

CATENARY

- COMPENSATED
- NON-COMPENSATED
- HIGH SPEED