Maps

Network Statement 2019 V.1

adif ALTA VELOCIDAD

MAPS OF ADIF–ALTA VELOCIDAD MANAGED NETWORK

MAPS ADIF– ALTA VELOCIDAD OWNED GENERAL INTEREST RAIL NETWORK

Map

* 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

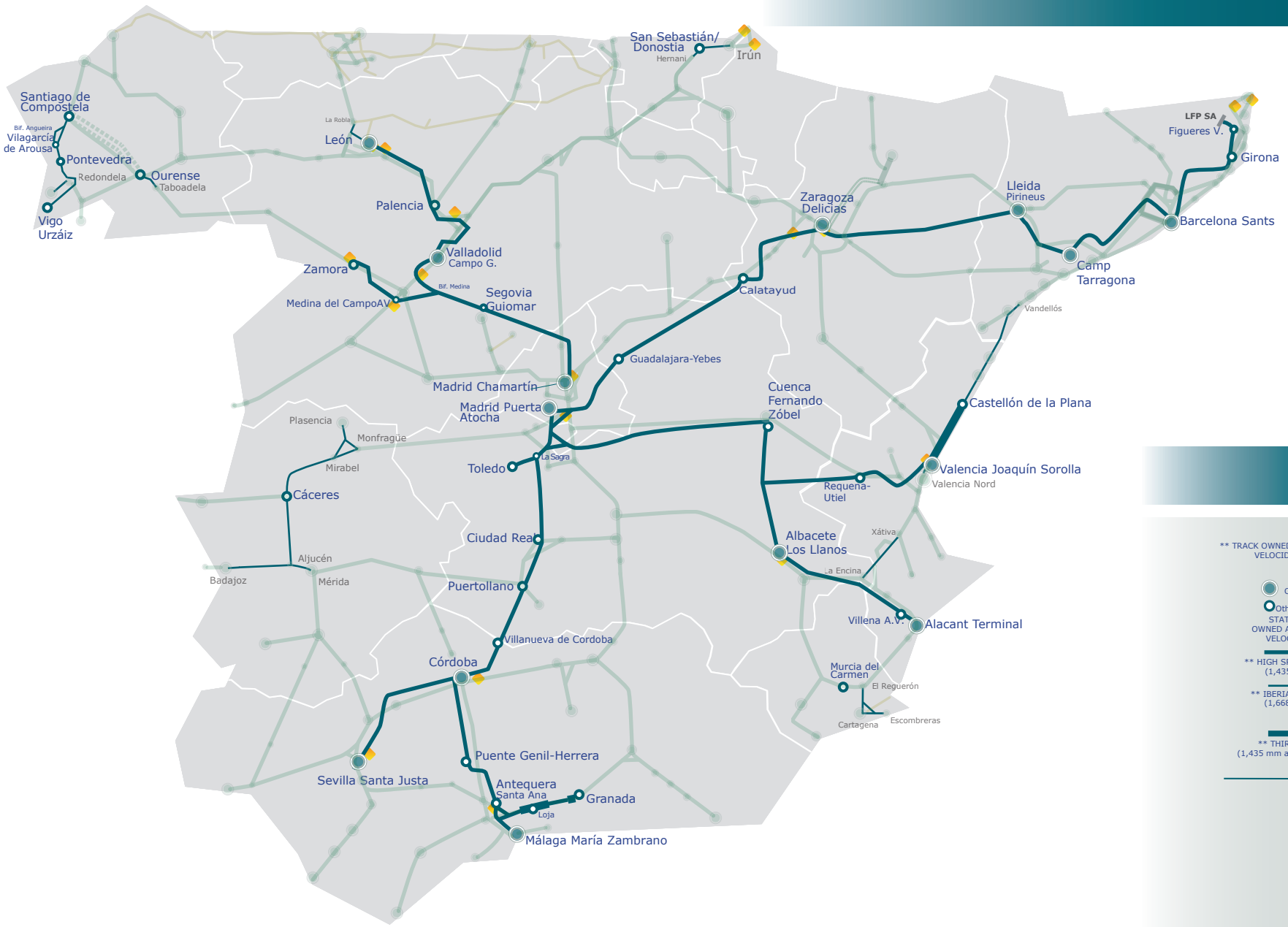
* Track gauges and gauge changers and types.

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.

ADIF ALTA VELOCIDAD



1 July 2019

** TRACK OWNED ADIF ALTA VELOCIDAD

Categ 1

Other Categ STATIONS OWNED ADIF ALTA VELOCIDAD

** HIGH SPEED LINES (1,435 mm)

** IBERIAN TRACK (1,668 mm)

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

* TRACK OWNED ADIF

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)

CHANGER

MAP 1
ADIF ALTA VELOCIDAD

1 July 2019

Categ 1
Other Categ
STATIONS OWNED ADIF ALTA VELOCIDAD

** HIGH SPEED LINES (1,435 mm)
** IBERIAN TRACK (1,668 mm)
** THIRD TRACK (1,435 mm and 1,668 mm)
** TRACK OWNED ADIF ALTA VELOCIDAD

MAXIMUN SPEEDS
xxx Km/h

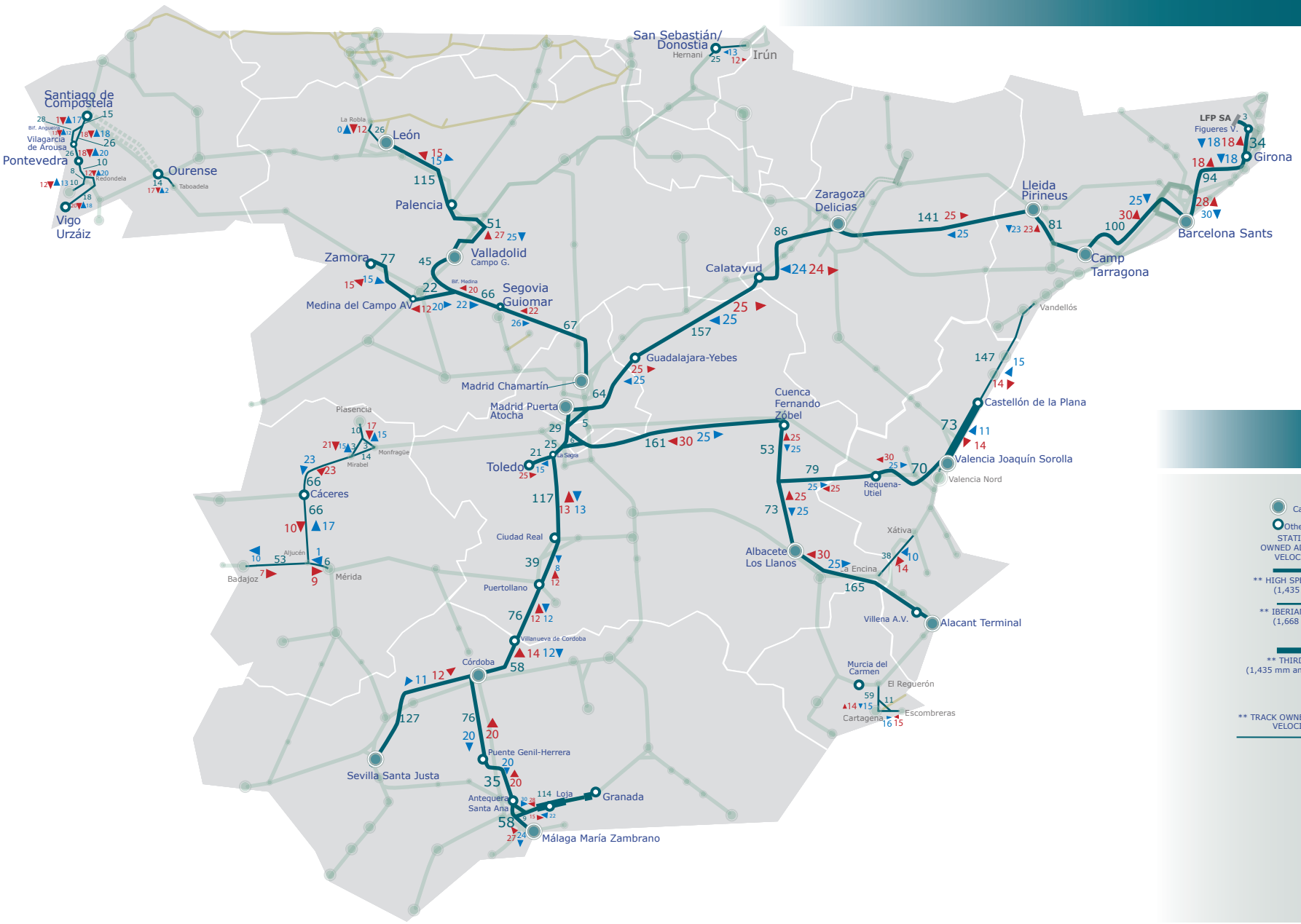
MAXIMUM LENGTH OF FREIGHT TRAINS (meters)
BASIC
SPECIAL

MAXIMUM LEGTH OF PASSENGERS TRAINS
(meters)

* TRACK OWNED ADIF

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 SPEEP LINES (1,435 mm)

MAP 2
ADIF ALTA VELOCIDAD



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MAXIMUM SPEED xxx Km

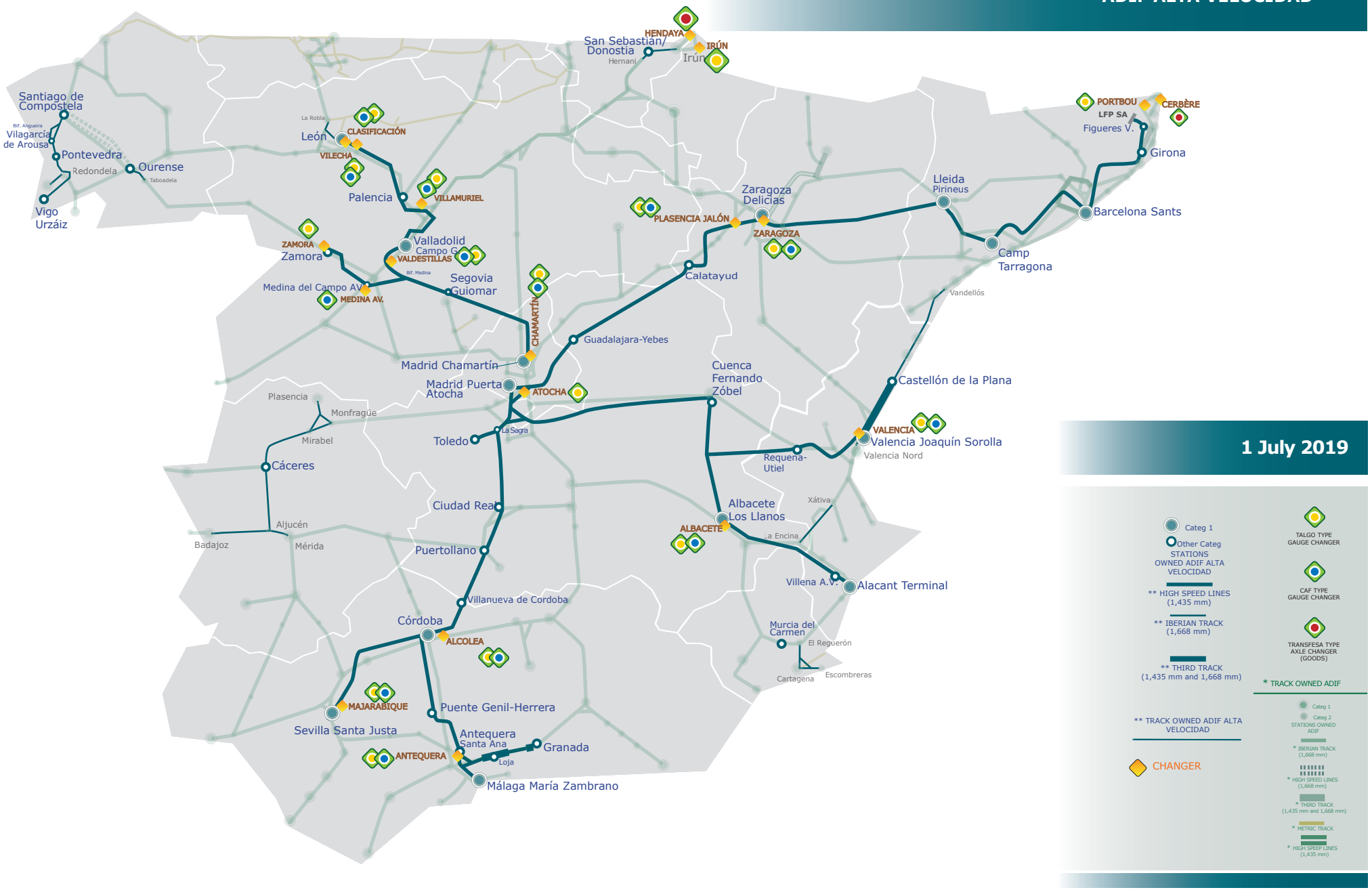
Categ 1
Other Categ
STATIONS OWNED ADIF ALTA VELOCIDAD

** HIGH SPEED LINES (1,435 mm)
** IBERIAN TRACK (1,668 mm)
** THIRD TRACK (1,435 mm and 1,668 mm)
** TRACK OWNED ADIF ALTA VELOCIDAD

GRADIENTS (millions)
EVEN DIRECTION
ODD DIRECTION

* TRACK OWNED ADIF
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 3
ADIF ALTA VELOCIDAD



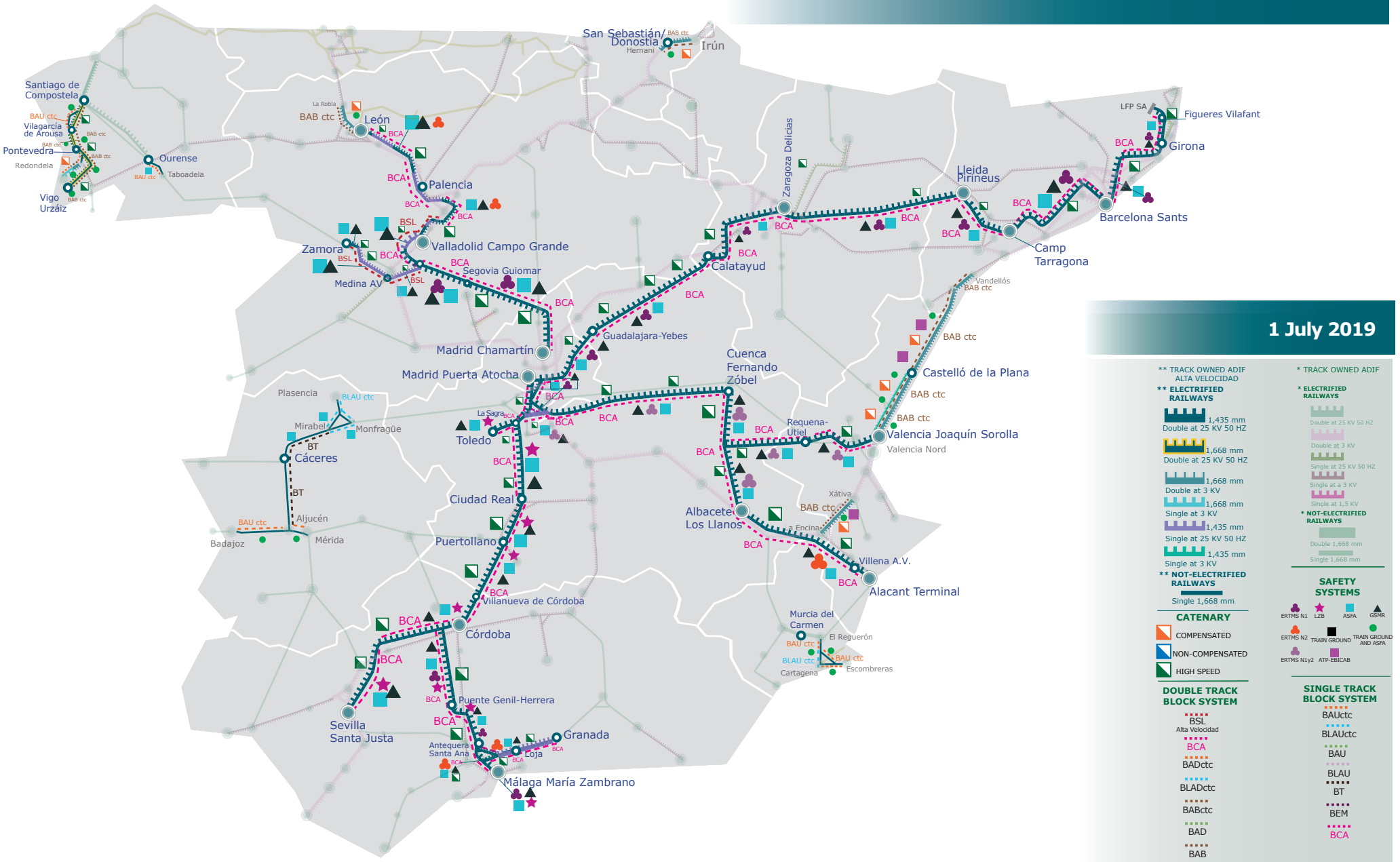
1 July 2019

Categ 1
Other Categ
STATIONS OWNED ADIF ALTA VELOCIDAD
** HIGH SPEED LINES (1,435 mm)
** IBERIAN TRACK (1,668 mm)
** THIRD TRACK (1,435 mm and 1,668 mm)
** TRACK OWNED ADIF ALTA VELOCIDAD
CHANGER

TALGO TYPE GAUGE CHANGER
CAF TYPE GAUGE CHANGER
TRANSFESA TYPE AXLE CHANGER (GOODS)
* TRACK OWNED ADIF

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 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
- 1,435 mm Single at 3 KV

**** NOT-ELECTRIFIED RAILWAYS**

- Single 1,668 mm

CATENARY

- COMPENSATED
- NON-COMPENSATED
- HIGH SPEED

DOUBLE TRACK BLOCK SYSTEM

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

* TRACK OWNED ADIF

*** ELECTRIFIED RAILWAYS**

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

*** NOT-ELECTRIFIED RAILWAYS**

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

SAFETY SYSTEMS

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

SINGLE TRACK BLOCK SYSTEM

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