

**TEMPLATE OF THE NATIONAL REPORT
TO BE PRESENTED BY EACH DELEGATION
DURING THE ASECAP STUDY AND INFORMATION DAYS
LJUBLJANA, 6-8 JUNE 2018**

Network length

In 2017, ADM operates a motorway network of 1722 kilometers in Morocco. The network length didn't change compared to 2016. 62 kilometers of this network is constituted of 2 x 3 lanes while the remaining 1662 kilometers are 2 x 2 lanes wide. A tunnel of 0.512 km is included in that network.

Openings in 2018

No new motorways sections are to be opened in 2018.

Investments

The amount of the investments for 2017 and the foreseeable amount for 2018 in millions of euros are as following:

	Investments for 2017 (M€)	foreseeable investments for 2018 (M€)
New sections	11.54	15.5
Motorways in service	29.23	132.7

The new sections include the three last sections opened in 2016/2015 and where some initial investments are still done. Those sections are : Berrechid-Beni Mellal, El Jadida-Safi and Rabat bypass.

Financing

The origins of the financing system are equity financing, long term debts and financial market (bond issuances). A ratio of concessional long term debt of 80% of the investments is considered.

Traffic

The total km travelled by all the vehicles on the ADM network during 2017 amounts 22.7 million veh*km on a daily basis (8.3 billion veh*km in the year). Compared to 2016, the traffic growth is 4.96%. The traffic is on an increasing tendency over the last years due to the development of motorways network and the national vehicles fleet.

This growth is of 4.9% for light vehicles and 5.0% for heavy ones. The traffic of light vehicles represents 78% of the global traffic against 22% for the heavy vehicles.

Tolling system and tolling technologies used

At the end of the year 2017, the tolling system on the ADM's network includes 97 stations and 592 lanes in total (133 ETC lanes).

During the last years, ADM has initiated important projects to increase the electronic transactions rate by introducing new means of payment. The manual tolling system accepts, in addition of cash, different payment modes : subscription cards, petrol companies cards, other companies cards, credit cards...

While toll collecting is essentially manual, ETC (which is now generalized to the entire network) share is increasing each year, reaching 12% in number of transactions in 2017.

In terms of electronic toll technology, ADM has opted for the DSRC (Dedicated Short Range Communication) to 5.8 GHz, the standard technique widely used in Europe. The speed at the ETC toll lanes is 20 to 30 km/h.

Tolls

The value of the average tariff per kilometer in Euros is :

- for light vehicles : 0.028 Euro per km
- for heavy vehicles : 0.046 Euro per km
- for third category HV2 (1.2xHV1)

The last change has occurred in 2015 by the introduction of a VAT of 20% instead of 10% and the third category for the heavy vehicles.

Revenues

The total toll product during 2017 amounts 2768.98 million MAD (246.79 million Euros with 1Euro= 11.22MAD at the date of 31/12/2017) excluded taxes.

Compared to the previous year (2598.6 million MAD) this means an increase of 7.3%.

Safety

The main safety indicators registered in 2017 are as follows:

	Definition and method of calculation	In number for one billion kilometers travelled in 2017	Variation in % in 2017/2016
Personal injury rate	Number of corporal accidents x 10 ⁹ / L x T x 365	193	+13.3%
Fatal accident rate	Number of mortal accidents x 10 ⁹ / L x T x 365	19.4	+18.9%
Rate of dead	Number of dead's x 10 ⁹ / L x T x 365	25.6	+20%

Long-term forecasts and tendencies

In the long-term, ADM projects to:

- complete the remaining 29 kilometers of the second schedule of the Motorways network (connecting Tit Mellil to Berrechid) to reach the programmed 1800km.
- enhance the use of new technologies in the operating of the network on service, especially in the fields of tolling, security and quality of service.
- Actively manage its debts and financial risks

Significant actions already started (and/or to be achieved in 2017) and foreseen for 2018.

- Expansion to 2x3 lanes for the 57 kilometers between Casablanca and Berrechid (including Casablanca bypass). Roadwork is expected to begin in 2018 and will last for 3 years. This project is very important due to the significant traffic levels on some portions of this section where more than 55 000 vehicles travel daily.
- Preparations for the construction of the Tit Mellil – Berrechid section. This includes studies and financing. Construction is expected to begin in 2019.
- Enhancing security: travellers safety is at the center of ADM strategic vision. Therefore, ADM implement a large scope of actions in regards of preserving people from harm. Among these actions :
 - o Improve signage and safety devices
 - o Enhancing the operating assistance system by reinforcing video surveillance cameras network, improving “ADM traffic” -ADM travel assistance dedicated platform- features ...
 - o Adding passages and bridges and opening parallel tracks of the motorway route to allow a safer and easier connection between the two sides of the motorway.
 - o Setting up highway emergency stations operated by civil protection services.

- Local development and synergies between the motorway and the crossed territories.
- Encourage the adoption of electric mobility: following the conclusion in 2017 of a convention with IRESEN (National Institute for Solar Energy and New Energies Research) and SCHNEIDER Electric, ADM will implement, in 2018, 37 electrical charging stations in the service areas from Tangiers to Agadir.

MAIN ASECAP KEY FIGURES

Country: MOROCCO	Indicate below how you calculate each figure provided in the “2017” column	2017 Figure
Network length (Km): 1588 2 x 2 lanes (Km): 1660 2 x 3 lanes (Km): 62 km	Network length under service	1 772
Number of km in construction	Network length under construction	---
Forecasts of opening motorways section	Network under construction and foreseeable to be opened	---
Annual toll revenues* (in millions of Euros)	Toll revenues collected	248.41
VAT % (Indicate the VAT % percentage to the toll revenues)		20%
Permanent staff	Number of permanent employees	515
Average daily traffic (light vehicles)	$\frac{\sum \text{Number of light vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	10 005
Average daily traffic (heavy vehicles)	$\frac{\sum \text{Number of heavy vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	2 788
Average daily traffic (total = light + heavy vehicles)	$\frac{\sum \text{Number of vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis travelled} \times \text{number of days}}$	12 793
Total number of accidents	Number of accidents on the network	4 823
Number of personal injury accidents	Number of personal injury accidents on the network	1 597

Number of dead	Numbers of dead	212
Fatality rate	Number of mortal accidents x 10 ⁹ / L x T x 365	19.4
Kilometers travelled (10 ⁶ x km)	Average daily traffic X Network length (10 ⁶ x km)	8 274
Number of toll transactions (Total)	Sum of transactions in the toll stations in millions	138.35
Number of toll transactions (light vehicles):		110.43
Number of toll transactions (heavy vehicles):		27.9
Number of toll stations	In unity of toll stations, lanes or ETC lanes	97
Number of toll lanes		592
Number of ETC lanes		133
Number of ETC subscribers (Total):	Number of ETC subscribers (ETC for heavy vehicles under tests)	190 600
Number of ETC subscribers (light vehicles):		190 000
Number of ETC subscribers (heavy vehicles):		600
Number of service areas (equipped with petrol stations)	Number of service areas on the network	53
Number of rest areas	Service areas+ rest areas	55
Number of restaurants	Number of restaurants on service areas	55
Number of hotels	--	---