

**TEMPLATE OF THE NATIONAL REPORT
TO BE PRESENTED BY EACH DELEGATION
DURING THE ASECAP STUDY AND INFORMATION DAYS**

COSTA NAVARINO (GREECE), 29-31 MAY 2019

I- NETWORK LENGTH

In 2019, ADM operates a motorway network of 1774 kilometers in Morocco. 62 kilometers of this network is constituted of 2 x 3 lanes while the remaining 1712 kilometers are 2 x 2 lanes wide. A tunnel of 0.512 km is included in that network.

II- OPENINGS IN 2019

No new motorways sections are to be opened in 2019

III- INVESTMENTS

The amount of the investments in Euros for 2018 and the foreseeable amount for 2019 in millions of euros are as following :

	Investments for 2018 (M€)	Foreseeable investments for 2019 (M€)
New sections	2.1	53.8
Motorways in service	37.6	147.2

IV- 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.

V- TRAFFIC

The total km travelled by all the vehicles on the ADM network during 2018 is 23.3 Million Veh/Km on a daily basis. Compared to the previous year, the traffic growth is 4.3%.

The traffic is on an increasing tendency due to the development of motorways network in the country and national vehicles fleet.

The traffic of light vehicles represents 79% of the global traffic, against 21% for the heavy vehicles. The traffic volume represents 147.7 million vehicles, an increase of 6.8% compared to 2018.

VI- TOLLING SYSTEM AND TOLLING TECHNOLOGIES USED

At the end of the year 2018, the tolling system on the ADM's network includes 100 stations and 620 lanes in total (170 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 21% in number of transactions in 2018. 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.

VII- TOLL RATES

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 : 0,056 Euro per km

VIII- REVENUES

The total toll revenue during 2018 is 2 947million Dirhams, not excluding tax. Compared to the previous year this shows an increase of 5, 7 % (1 Euro= 10,952 MAD as of 31/12/2018).

The Revenue is on an increasing tendency due to the development of motorways and national Vehicules fleet.

IX- SAFETY


The main safety indicators registered in 2018 are as follows:

	Definition of method of calculation	In number of one billion kilometres travelled in 2018	Variation in% in 2017/2018
Personal injury rate	Number of personal injury x $10^9 / (T \times L \times 365)$ With : L = length of section in km Q = average annual daily traffic	193,9	-2,18%
Fatal accident rate	Number of mortal accidents x $10^9 / (T \times L \times 365)$ With : L = length of section in km Q = average annual daily traffic	10.2	-25,71%
Rate of death	Number of dead x $10^9 / (T \times L \times 365)$ With : L = length of section in km Q = average annual daily traffic	20.1	-23.6%

MAIN ASECAP KEY FIGURES

Country: MOROCCO	Indicate below how you calculate each figure provided in the “2018” column	2018 Figures
Network length (Km): 1774 2 x 2 lanes (Km): 1712 km 2 x 3 lanes (Km): 62 km	Network length under service	1774
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	269
VAT % (Indicate the VAT % percentage to the toll revenues)		20%
Permanent staff	Number of permanent employees	503
Average daily traffic (light vehicles)	$\frac{\sum \text{Number of light vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	10 694
Average daily traffic (heavy vehicles)	$\frac{\sum \text{Number of heavy vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	2 860
Average daily traffic (total = light + heavy vehicles)	$\frac{\sum \text{Number of vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis travelled} \times \text{number of days}}$	13 554
Total number of accidents	Number of accidents on the network	5425
Number of personal injury accidents	Number of personal injury accidents on the network	1649

Number of dead	Numbers of dead	171
Fatality rate	Number of mortal accidents x $10^9 / L \times T \times 365$	10.3
Kilometers travelled ($10^6 \times \text{km}$)	Average daily traffic X Network length ($10^6 \times \text{km}$)	23.3
Number of toll transactions (Total)	Sum of transactions in the toll stations in millions	147,8
Number of toll transactions (light vehicles):		118,5
Number of toll transactions (heavy vehicles):		29,3
Number of toll stations	In unity of toll stations lanes or ETC lanes	100
Number of toll lanes		620
Number of ETC lanes		170
Number of ETC subscribers (Total):	Number of ETC subscribers (ETC for heavy vehicles under tests)	400.500
Number of ETC subscribers (light vehicles):		
Number of ETC subscribers (heavy vehicles):		
Number of service areas (equipped with petrol stations)	Number of rest areas Service areas+ rest areas	53
Number of rest areas	Service areas+ rest areas	56
Number of restaurants	Number of restaurants on service areas	55
Number of hotels		-- ---

Country: MORROCO 	2016	2017	2018	Evolution 2017/2018 (nombre) %	Evolution 2017/2018 (taux pour 100 millions de kilomètres parcourus)%
ROAD SAFETY - COUNTRY DATA					
Number of dead (fatalities) on all roads in the country – NEW!	3785	3726	3485	-6,47	-
ROAD SAFETY - MEMBERS DATA					
Total number of road accidents on members network	4216	4823	5425	+12,48	+6,57
Number of personal injury <u>accidents</u> on members network	1388	1597	1649	+3,26	-2,18
Number of <u>persons</u> injured in road accidents on members network	482	567	482	-15	-19,44
Number of accidents with dead (fatalities) - NEW!	134	111	87	-21,62	-25,71
Number of death (fatalities)	167	212	171	-19,34	-23,60