

**TEMPLATE OF THE NATIONAL REPORT  
TO BE PRESENTED BY EACH DELEGATION  
DURING THE ASECAP STUDY AND INFORMATION DAYS  
LISBON, 27 - 29 MAY 2015**

***Network length***

In 2014, ADM operates a motorway network of 1511 kilometers in Morocco. Compared to the year 2013, this length changes by 95 kilometers. The length in km related to type of lanes 2 x 2 lanes is about 1449 km and 62 km for 2 x 3 lanes. A tunnel of 0.512 km is included in that network.

***Openings in 2015***

The foreseen openings for 2015 of new motorways sections are indicated below:

Section	Length (km)	Comments and position
Berrechid – Khouribga	77	Completion of the whole section Berrechid- Beni Melall
El Jadida – Safi	140	This section is the continuity of the section Casablanca- El Jadida
Total	217	

### ***Investments***

The amount of the investments for 2014 and the foreseeable amount for 2015 in millions of euros are as following:

	Investments for 2014 (M€)	foreseeable investments for 2015 (M€)
New sections	210	350
Motorways in service	40	85

### ***- Roadwork in progress***

Section	Length	Cost of project (Millions d'Euros)	Investments (M€)	
			2014	2015
Contournement de Rabat (New section)	41	255	45	65
Berrechid – Beni Mellal (New section)	77	260	65	50
El Jadida – Safi (New section )	140	435	85	230
Total	260	950	195	345

### ***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 2014 amounts 17.6 million veh\*km on a daily base. Compared to the previous year, the traffic growth is 2.3%. The traffic is on an increasing tendency due to the recent development of motorways network in the country.

By type of vehicles, this growth is 2.4% for light vehicles and 2% for heavy ones. The traffic of light vehicles represents 78.2% of the global traffic against 21.8% for the heavy vehicles. The traffic volume represents 108.1 million vehicles, an increase of 1.7% compared to 2013.

## ***Tolling system and tolling technologies used***

At the end of the year 2014, the tolling system on the ADM's network includes 81 stations and 480 lanes. Currently, the collect of tolls is essentially manual; the modes of payment are divers: cash, subscription cards, petrol companies cards, other companies card...etc.

During the last two years, ADM has initiated important projects to increase the electronic transactions rate by introducing new means of payment.

ADM is now implementing electronic tolling on its motorway network. This year, 18 ETC lanes were put in service with prepaid payment mode using also internet. When possible, theses lanes can work in a mixed mode.

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

In the next years, ADM work to generalize the ETC to the whole network and introduce post payment.

In the same way, ADM plan to deploy automatic terminals on pilot site in 2015 and to accept the payment by local banks credit cards.

In addition to the high quality of service offered to users, this would improve traffic flow at toll barriers, increase the rate of electronic transactions and avoid more platform extensions.

### **Tolls**

The value of the average tariff per kilometre in Euro during 2014

- for light vehicles : 0.028 Euro per km
- for heavy vehicles : 0.046 Euro per km

These tariffs hasn't changed during 2014 and introduced to change at the beginning of 2015.

### **Revenues**

The total toll revenues during 2013 amounts 191.6 million Euros excluded taxes. Compared to the previous year this means an increase of 2.2 %.

### **Safety**

The main safety indicators registered in 2014 are as follows:

	Definition and method of calculation	In number for one billion kilometres travelled in 2014	Variation in % in 2013/2014
Personal injury rate	Number of corporal accidents x 109 / L x T x 365	166	-21%
Fatal accident rate	Number of mortal accidents x 109 / L x T x 365	18	-25%

Rate of dead	Number of dead's x 109/ L x T x 365	23	-28%
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### ***Long-term forecasts and tendencies***

The official long-term forecasts for the development of the motorways tolled network concern the completion of the second schedule of the Motorways network to achieve 1800 km. For the operating of the network, development of the use of new technologies is planned by ADM.

### ***Significant actions already started (and/or to be achieved in 2014) and foreseen for 2015.***

- Management system of the motorway infrastructure patrimony:

ADM has implemented a management system for maintaining its infrastructure. ADM objectives by acquiring this system are:

- To reference and archive all data on motorway infrastructure.
- Define a maintenance policy rigorously and consistently, based on indicators and thresholds pertinent to know the exact levels of network service,
- Possess the tools for making decision and managing the prioritize of interventions based on maintenance policy selected and the available budget,
- Monitor the network, to update and know his status, especially after the constructions.

- Local development and synergies between the motorway and the crossed territories:

The integration of motorway infrastructure in the environment requires the creation of partnerships and synergies with the actors acting in the territories crossed, including residents.

Generally, these partnerships are organized around the fulfillment of a number of social development actions for the benefit of local populations.

By entering into a process of sustainable development, the involvement of ADM in the field will evolve with the new motorway construction to meet demands and growing needs of communities, by adding passages and bridges and opening parallel tracks of the motorway route to allow binding safer and easier between the two sides of the motorway, the construction of new exchangers ... etc.,

## MAIN ASECAP KEY FIGURES

Country: MOROCCO	Indicate below how you calculate each figure provided in the “2014” column	2014 Figure
Network length (Km): 1511 2 x 2 lanes (Km): 1449 2 x 3 lanes (Km): 62 km	Network length under service	1511
Number of km in construction	Network length under construction	258
Forecasts of opening motorways section	Network under construction and foreseeable to be opened	217
Annual toll revenues* (in millions of Euros)	Toll revenues collected	191.6
VAT % (Indicate the VAT % percentage to the toll revenues)	Change in VAT%: 20% instead of 10% effective from 01/01/2015.	10%
Permanent staff	Number of permanent employees	546
Average daily traffic (light vehicles)	$\frac{\sum \text{Number of light vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	9805
Average daily traffic (heavy vehicles)	$\frac{\sum \text{Number of heavy vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis} \times \text{number of days}}$	2736
Average daily traffic (total = light + heavy vehicles)	$\frac{\sum \text{Number of vehicles} \times \text{km travelled}}{\sum \text{Length of the motorways axis travelled} \times \text{number of days}}$	12541
Total number of accidents	Number of accidents on the network	1179
Number of personal injury accidents	Number of personal injury accidents on the network	446

Number of dead	Numbers of dead	118
Fatality rate	Number of mortal accidents x 109/ L x T x 365	18
Kilometres travelled (10 <sup>6</sup> x km)	Average daily traffic X Network length (10 <sup>6</sup> x km)	17.6
Number of toll transactions (Total)	Sum of transactions in the toll stations in millions	108,1
Number of toll transactions (light vehicles):		86,5
Number of toll transactions (heavy vehicles):		21,6
Number of toll stations	In unity of toll stations, lanes or ETC lanes	81
Number of toll lanes		480
Number of ETC lanes		18
Number of ETC subscribers (Total): Number of ETC subscribers (light vehicles): Number of ETC subscribers (heavy vehicles):	Number of ETC subscribers (only light vehicles): recent mode of paiement	2883
Number of service areas (equipped with petrol stations)	Number of service areas on the network	45
Number of rest areas	Service areas+ rest areas	48
Number of restaurants	Number of restaurants on service areas	48
Number of hotels	--	--