

**TEMPLATE OF THE NATIONAL REPORT  
TO BE PRESENTED BY EACH DELEGATION  
DURING THE ASECAP STUDY AND INFORMATION DAYS  
PARIS, 29-31 MAY 2017**

***Network length***

In 2017 the total length of the motorway and express road network operated by ASFINAG in Austria amounted to 2.198,9 km. Also parts of the network are 5.192 bridges and 383 km of tunnels. The entire ASFINAG road network is subject to tolling.

<b>Country: Austria</b>	<b>2016</b>
Network length .....	2198,9 km
2 x 2 lanes .....	1702,6 km
2 x 3 lanes .....	321,7 km
2 x 4 lanes.....	29,3 km
others	145,3 km

***Openings in 2017***

On the ASFINAG network, the opening of the new motorway section A5 Nord A Schrick-Poysbrunn is foreseen by the end of 2017. Moreover, ASFINAG currently runs an intensive tunnel safety programme, which also covers the construction of second tunnel tubes according to EU legislation.

## **Investments**

Total investment for 2016:	879 Million EURO
Forecast 2017*):	1.211 Million EURO
New constructions + expansions 2016:	378 Million EURO
New constructions + expansions 2017:	534 Million EURO
Renovation and repairs 2016:	463 Million EURO
Renovation and repairs 2017:	472 Million EURO
*) final forecast 2017 (actual costs not yet verified)	

## **Financing**

ASFINAG's operational expenses are mainly covered by toll income. Funds for the refinancing of maturing financial debt are raised via the international capital markets. For that purpose, ASFINAG has set up a Medium Term Note Programme (EMTN) guaranteed by the Republic of Austria, which allows issuing bonds at favourable funding costs. In 2016 ASFINAG did not have any major redemptions for outstanding debt, therefore no bonds were issued. For more detailed information please refer to our website [www.asfinag.at](http://www.asfinag.at) – Investor Relations.

## **Traffic**

In 2016, there was an increase in the number of kilometres travelled on the ASFINAG network (motorways and express ways) compared with 2015. The total number of km travelled by all vehicles on the ASFINAG network in the year 2016 amounts to approx. 30.770 billion km. Compared to the previous year this represents an increase of +3.4 % in the annual mileage covered (2015: 29.767 billion km).

In line with the overall traffic volume there was also an increase in the number of km travelled by heavy goods vehicles (+4.8 %) compared to 2015.

Since 1995, the overall traffic volume on the ASFINAG network performed annual relative changes between -1.6 % and 7.3 %. While the lowest increase rate was registered in 2005, numbers started to pick up again in 2006, 2007, and 2008. In 2009, however, this positive trend was impacted by the knock-on effects of the financial and economic crisis. An increase starting in the year 2010 again and follow reflects the general economic recovery.

### **Kilometres travelled on the ASFINAG network**

Year	Km travelled in mill. Km/year (M+E*)			Km travelled growth in %			
	HV**	LV***	Total	Total traffic (M+E*)		HV** traffic (M+E*)	
2009	2,838.4	23,097	25,935	-1.6	08-09	-12.8	08-09
2010	3,026.5	23,431	26,458	+2.0	09-10	+6.6	09-10
2011	3,138.6	23,694	26,832	+1.4	10-11	+3.7	10-11
2012	3,139.7	24,068	27,198	+1.4	11-12	-0.3	11-12
2013	3,178.3	24,546	27,724	+1.9	12-13	+1.6	12-13
2014	3,267.6	25,708	28,976	+4.5	13-14	+2.8	13-14
2015	3,335.0	26,432	29,767	+2.7	14-15	+2.1	14-15
2016	3,495.5	27,274	30,770	+3.4	15-16	+4.8	15-16

\* motorways + express roads

\*\* heavy goods vehicles

\*\*\* light vehicles

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

The Austrian toll system consists of a time-related toll (toll sticker/vignette only for vehicles under/equal to 3.5 tonnes and motorcycles) and a distance-related (mileage-dependent) toll for vehicles over 3.5 tonnes. The toll revenues belong to ASFINAG, which is also responsible for toll collection. ASFINAG operates special toll sections in Austria's alpine regions charging a distance-related toll for all vehicles which

is collected at toll booths. Tolls for vehicles with a maximum permissible gross vehicle weight exceeding 3.5 tons are collected electronically via a free flow multi-lane DSRC system.

For cars and motorcycles ASFINAG plans to introduce a digital vignette (vehicle licence plate numbers are registered in a database) by the end of 2017 in addition to the toll sticker. This product will be available online and directly linked to a vehicle's number plate.

### ***Toll rates***

Beginning of 2017 the tariff system for heavy vehicles was changed. The distance-related toll now includes surcharges for external costs, namely air and noise pollution.

The current toll rates (2017) for HGV can be found on [www.go-maut.at](http://www.go-maut.at):

Rate groups	Category 2		Category 3		Category 4+	
	2 axles		3 axles		4 axles and more	
	Day	Night*	Day	Night*	Day	Night*
<b>A</b> EURO emission class EURO VI	0,17800	0,17840	0,24983	0,25075	0,37436	0,37552
<b>B</b> EURO emission classes EURO V and EEV	0,19660	0,19700	0,27587	0,27679	0,40657	0,40773
<b>C</b> EURO emission class EURO IV	0,20290	0,20330	0,28469	0,28561	0,41665	0,41781
<b>D</b> EURO emission classes EURO 0 to III	0,22290	0,22330	0,31269	0,31361	0,44865	0,44981

Rates in EUR per km, excl. 20 % VAT.

\* The night rates apply between 10 p.m. and 5 a.m.

On 1st December 2016 new rates for light vehicles were introduced for 2017 (annual consumer price index increase):

### Rates valid as of December 1st 2016 (toll stickers):

	10-day toll sticker	2-month toll sticker	Annual toll sticker
Motorbike	5,10	13,00	34,40
Car (vehicle up to and including 3.5 tonnes MPW)	8,90	25,90	86,40

### Revenues

	2015	2016*	Deviation
Revenue from special toll sections	157	169	+7,51%
Toll sticker revenues	449	469	+4,43%
Truck tolls	1.253	1.264	+0,94%
Toll revenues	1.859	1.902	+2,34%

\* Values as of 3rd Forecast 2016

The increase of the toll sticker revenues by +2.34% results from traffic growth and price increase. The minor decrease of the truck tolls is due to the decreasing share of EURO 0 to III trucks.

## **Safety**

	Definition and method of calculation	Rate	Variation in % 2014/2015
Personal injury rate		*)	*)
Fatal accident rate	Number of fatal accidents per million kilometers driven	0.001	+4%
Rate of dead	Number of fatalities per million kilometers driven	0.0015	-8%

\*) no figures for 2016 available

In 2016, 46 people were killed on Austrian motorways and expressways. This is the second lowest figure of fatalities on the ASFINAG's highway network and an excellent fatality rate – lower than 0.002. Thus, ASFINAG's roads are among the safest roads in Europe.

### ***Long-term forecasts and tendencies***

#### **ASFINAG's Vision 2020**

ASFINAG is one of Europe's leading motorway network operators with a special focus on:

- Availability
- Traffic management
- Traffic Information
- Road safety and
- Technological innovations

We act internationally and interlink with public transport.

***Significant actions already started (and/or to be achieved in 2016) and foreseen for 2017.***

**Interoperability in tolling**

ASFINAG has contracted 6 external Toll Service Providers (so called REETS Providers), whereby 5 of them are also officially registered as EETS Providers. Those REETS Providers went through the Acceptance Procedure in the Austrian Toll Domain during the last two years. As of 1st of February 2017 the first Provider received the release for unlimited operation in Austria, whilst the 5 others are still in Pilot operation. In order to pass the Pilot operation in the Austrian Toll Domain successfully, 100.000 transactions per OBE type are necessary. These 100.000 transactions need to be done within at least 2 months and in an adequate quality according to the contract between the Provider and ASFINAG as the Toll Charger. It is assumed that by the end of 2017 all 6 REETS Providers will be in unlimited operation.

**Next generation of the GO-Maut system**

The implementation of the new GO-Maut System (GO-Maut 2.0) is currently ongoing. During 2016 two contracts have been awarded – one to T-Systems Austria for the new Central System and another one to Kapsch Traffic Com for the Road Side Equipment. The contracts have a duration of 10 years and implementation shall be finalized beginning of 2018.

**EETS Facilitation Platform (EFP)**

After the REETS TEN project ended on 31st of December 2015, the EETS Facilitation Platform (EFP) was established by the REETS TEN project partners as well as new partners who joined the REETS community. The objective of the EFP is to further support the deployment of EETS.

The platform has two key elements:

- The EETS Information Platform, which is managed and operated by ASECAP and AETIS, and
- The EETS Implementation Facilitation, which monitors and facilitates the cross-border implementation activities.

The EETS Facilitation Platform is coordinated by ASFINAG in the role of EFP secretariat in close cooperation with ASECAP and AETIS.

The EFP secretariat is active in various dissemination activities, including talks and exchange with interested Toll Chargers and Providers outside the EFP, to join the platform.

### **ASFINAG Project: E-Mobility**

ASFINAG set the following goals in order to support the national climate strategy:

- Share of e-cars in the ASFINAG car fleet (20 % by 2020)
- in this regard the equipment of selected office locations with e-charging infrastructure, as well as
- network-wide e-charging infrastructure for customers on the motorway and expressway network  
( [emobility@ASFINAG](mailto:emobility@ASFINAG) )

### **Digital vignette**

ASFINAG plans an upgrade of its toll sticker system for vehicles below 3.5t. In addition to the existing physical sticker, a so called “digital vignette” (buying the vignette via registration of the vehicle’s license plate number in a database) should be implemented by end of 2017.

### **Cooperative ITS (C-ITS)**

The activities in the C-ITS domain in Europe and especially in the Netherlands, Germany, and Austria are moving towards the first implementation steps. In order to achieve this goal the year 2017 is dedicated to interoperability tests among the countries always under the involvement of the automotive industry. This will lead to a common understanding on the technical details how C-ITS can be used and which benefits can be expected from it. ASFINAG is strongly involved in the interoperability tests.

### **Automated driving**

The involvement of ASFINAG as the Austrian motorway operator in test-fields of automated driving on public roads in real traffic conditions is essential for the professional preparation of the introduction of use-cases on the level conditional (Level 3) or

highly (Level 4) automated driving that are being tested currently by the automotive industry. Motorways will presumably be one of the first deployment scenarios within the next years and the role and contribution of the responsible road operators have to be defined and prepared. Therefor we consider the active involvement in tests an important contribution in order to avoid being surprised by the development and allow experiments on public roads.

### **Tunnel safety**

ASFINAG has set itself the goal of making Austria's motorways amongst the safest in Europe. Our customers should feel and be safe when they drive through a tunnel: Around EUR 1.5 billion will be invested in tunnel safety (second tubes and upgrading) in the ASFINAG network by 2018.

### MAIN ASECAP KEY FIGURES

Country: Austria	Indicate below how you calculate each figure provided in the “2016” column	2016 Figure
Network length (Km).....	Number according to list	2,198,9 km
2 x 2 lanes (Km).....		1702,6 km
2 x 3 lanes (Km).....		321,7 km
2 x 4 lanes (Km).....		29,3 km
Number of km in construction	Number according to list	59,5 km
Forecasts of opening motorways section	Number according to list	24,73 km
Annual toll revenues* (in millions of Euros)	Number according to list	1,902,00
VAT % (Indicate the VAT % percentage to the toll revenues)		20%
Permanent staff		~2,700
Average daily traffic (light vehicles)	Number according to distribution system	34.139
Average daily traffic (heavy vehicles)	Number according to distribution system	4.261
Average daily traffic (total = light + heavy vehicles)	Number according to distribution	38.400

	system	
Total number of accidents		no figures for 2016 available
Number of personal injury accidents		no figures for 2016 available
Number of dead	Number according to list	46
Fatality rate	Number of fatalities per million kilometers driven	0.0015
Kilometres travelled (10 <sup>6</sup> x km)	Number according to list	30,770
Number of toll transactions (Total):	Analysis of the toll system and the sellers of the special toll section	769,067,000
Number of toll transactions (light vehicles):		39,900,000
Number of toll transactions (heavy vehicles):		729,167,000
Number of toll stations	Number according to list	14
Number of toll lanes	Number according to list	116
Number of ETC lanes	Number according to list	105
Number of ETC subscribers (Total):	Number according to distribution system	1,336,000
Number of ETC subscribers (light vehicles):		400,000
Number of ETC subscribers (heavy vehicles):		936.000
Number of service areas (equipped with petrol stations)	Number according to list	86

Number of rest areas	Number according to list	49
Number of restaurants	Number according to list	50
Number of hotels	Number according to list	19

\*please provide the figure VAT and other taxes excluded.