



CONNECTING CULTURES
ENABLING ECONOMIES

6th to 10th October 2019



UNITED ARAB EMIRATES
MINISTRY OF INFRASTRUCTURE
DEVELOPMENT



الإمارات العربية المتحدة
وزارة تطوير البنية
البنية التحتية

EXCEPTIONAL (ABNORMAL) TRANSPORTS ARE SECURED BY TRAFFIC DIRECTORS FROM PRIVATE ENTERPRISES, ESCORTING WITHOUT ACCIDENTS SINCE 15 YEARS IN AUSTRIA

TF A.2 "COORDINATION BETWEEN NATIONAL AND SUB- NATIONAL AUTHORITIES"

DR. STEFAN EBNER

DIRECTOR

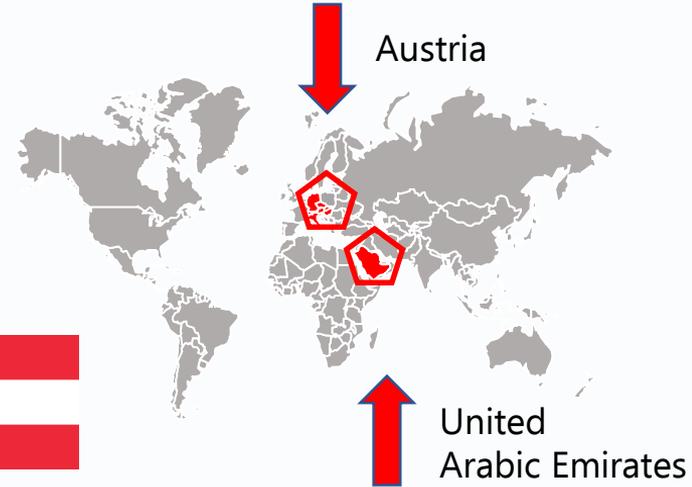
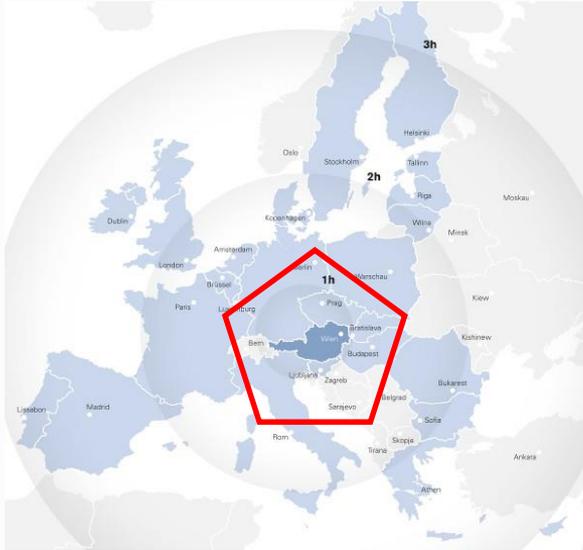
AUSTRIAN FEDERAL ECONOMIC CHAMBER



Fahrschulen - Allgemeiner Verkehr

AUSTRIA IN THE HEART OF EUROPE

AUSTRIA IS PART OF THE EUROPEAN UNION



European Union
Area: **4.3 m. sq.km.**
Population: **510 m.**
GDP: **EUR 14,815 bn.**
Member States: **28**
Official Languages: **24**

Austria
Area: **0.083 m. sq.km.**
Population: **8,7 m.**
GDP: **EUR 416 bn.**
Provinces: **9**
Official Language: **German**

ABNORMAL (EXCEPTIONAL) TRANSPORTS

TRAFFIC DIRECTORS FROM PRIVATE ENTERPRISES

Undivisible (abnormal) loads like

- wind turbines (rotor blades),
- transformers, generators (for energy sector),
- containers (for houses), prefabricated garages
- construction machines,
- silos (for food, chemical industry),
- wood (prefabricated houses, sawn timber)

... reach the destination safely with private road transportation supervisory bodies



ABNORMAL TRANSPORTS IN AUSTRIA

AFFECT MANY SECTORS OF THE ECONOMY



ABNORMAL TRANSPORTS IN AUSTRIA

CONTRIBUTE TO ECONOMIC GROWTH



TRAFFIC DIRECTORS OF AUSTRIA

AUSTRIA IS A ROLE MODEL IN EUROPE AND WORLDWIDE

Road transportation supervisory bodies

- from private enterprises only
- decide and direct independently
- without police escort anymore
- are sworn in by authority
- represent authorities on roads



TRAFFIC DIRECTORS OF AUSTRIA

OVERTOOK FUNCTIONS FROM POLICE (100% PRIVATIZATION)

Traffic Directors (TD) contribute to the sovereign task fulfillment

- TD act as „bodies on loan“ to the state since 2003
- 400.000 exceptional (abnormal) permits in 15 years
- improvement of the safety, ease and fluidity of traffic
- without a single accident (caused by a TD, no fatally injured)
- reduction of bureaucracy by means of electronic file application
- shortening of transport time and working time
- better transport planning (ordering) 1 year in advance

- “The business sector is doing better than police.”



AUSTRIAN TRAFFIC DIRECTORS (PRIVATIZED)

TD SECURE ABNORMAL TRANSPORTS RELIABLE



AUSTRIAN TRAFFIC DIRECTORS (PRIVATIZED)

TD ARE VISIBLE IN WHITE ESCORTING CARS WHEN SECURING



AUSTRIAN TRAFFIC DIRECTORS (FILM)

WATCH THE „BEST PRACTICE“ MODEL AUSTRIA!



Click for film!
<< picture

Film: <https://www.wko.at/afv>



ABNORMAL (EXCEPTIONAL TRANSPORTS)

PERMIT IS NEEDED (MOTOR VEHICLE ACT)

Individual permit for each transport

- Limits for the dimensions of the truck
 - >3,5 m width
 - >4,3 m high
 - >25 m length
 - >60 tons weight
- 150.000 „typical“
abnormal transports
in 15 years!

The permit is route-bound and contains no details for traffic regulation.

“Route-Check” in advance is required.



AUSTRIA IS AN ALPINE COUNTRY

HALF OF THE COUNTRY ARE MOUNTAINS (BRIDGES, TUNNELS)



NARROW VILLAGES AND STREETS

MOUNTAINOUS AND NARROW ROADS MAKE THE TASK DEMANDING



MAXIMUM PERMISSIBLE AXLE LOAD

PERMIT COMPLIANCE WITH OBLIGATIONS

Maximum load / mass on each axle

- 11,5 t driving axle and 10,0 t other axle
- < 1 m between 2 axles
 - Truck 11,5 t Σ , Trailer 11,0 t Σ



There are no stricter speed limits for abnormal load transports!

BLOCKING OF MOTORWAYS

TRAFFIC DIRECTORS CAN TAKE DECISIONS ON THEIR OWN

TD can decide independently

- to forbid overtaking (electric sign)
- to stop oncoming vehicles
- to stop contraflow traffic
- to overdrive (double) spreadlines
- to pass narrow instructions sites
- to block roads in city traffic
- to instruct deviating from the provisions of the Road Traffic Act



BLOCKING OF BRIDGES

AGREEMENT WITH HIGHWAY OPERATOR

A catalogue defines criteria depending on load-bearing capacity of a bridge

- speed reduction
- blocking of a bridge
 - for following/oncoming traffic
 - solo ride of a carriage,
no other car on bridge
 - use of self-propelled trailer

TD must in advance

- check & measure the bridge

Austrian Highway Operator: ASFINAG



BLOCKING OF TUNNELS

TD CAN TAKE DECISIONS ON THEIR OWN RESPONSIBILITY

TD decide on their own responsibility

- speed reduction
- blocking of the tunnel
 - for following/oncoming traffic in single-tube tunnels on motorways
 - solo ride of the transport, no other car in tunnel
 - use of self-propelled trailer

TD must in advance

- check & measure the tunnel



GUIDING IN ROUNDABOUTS, MOTORWAY EXITS

DIRECTING AGAINST DRIVING DIRECTION

TD decide on their own responsibility on

- driving against driving direction
- driving on oncoming lanes e.g. where road dividers are
- removing traffic signs and their replacement

At traffic light crossings (control junctions)
hand signals of the traffic director
replace the signals by light - without police.



RAILWAY CROSSINGS

NOTIFICATION TO THE RAIL INFRASTRUCTURE MANAGER

Risky traffic situations have to be noted

- Notification of the transport
 - notification only
 - notification & permit
- Catalogue of behaviour how to drive
 - for truck drivers
 - for Traffic Directors



ABNORMAL TRANSPORTS MAINLY AT NIGHT

IN 10 YEARS FROM DAY-TRANSPORTS TO NIGHT-TRANSPORTS

Transports are carried out

- in times with less traffic
- mainly at night
- when less tourist traffic and
- constructions allow passing



TRAFFIC DIRECTORS WORK AT NIGHT

ORDERS HAVE TO BE RECOGNIZED WITHOUT EXCEPTION



EQUIPMENT – ORANGE LIGHT AND BLUE LIGHT

BLUE FLASHING LIGHT ALLOWED

White cars with sign on the roof
"ABNORMAL TRANSPORT"
"SONDERTRANSPORT"

- Electronic signalling system
 - warning: danger, no passing
- Rotating lights
 - orange, blue flashing lights
- Radio connection
- Equipment: tape measures
 - warning triangles, traffic cones
- Authority approval for 5 years, vehicle registration in Austria



UNIFORMS OF TRAFFIC DIRECTORS

TD ACT AS CERTIFIED PERSONS ON BEHALF OF THE AUTHORITY

Overtaking of police functions with serious, visible appearance

- signal jackets: red, neon yellow
- caps
- badges (of provinces)
- traffic paddle, indicator trowel

Orders of TD have to be recognized by other road users



SWEARING IN BY REGIONAL AUTHORITIES

TRAFFIC DIRECTORS ARE RESPONSIBLE TO PROVINCES



TD are entrusted for 5 years

- badges must be worn visible
- identity documents (service cards) must be carried

The swearing-in in one province is regarded as a swearing-in for all 9 provinces (§ 97 StVO).

Trustworthiness, training, test driving licence C+CE, German, Austrian citizenship

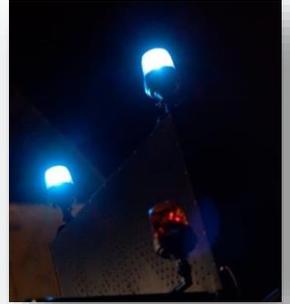


BLUE FLASHING LIGHT

USE OF BLUE LIGHT LIKE POLICE IN SPECIAL SITUATIONS

The blue rotating light is used

- in particularly dangerous and demanding transportations
- with abnormal loads: e.g. on motorways: width > 5 m, weight > 140 t
- when 4 securing persons in 4 escorting cars are required
- thereof 3 sworn road supervisory authorities (external TD), and 1 suitable person (internal, from the freight carrier)
- thereof 1 chief executive who is allowed to use blue light comparable to a commander of police
- use of flashing blue light only selective (at motorway exits, accesses)



TD HAVE CONTROL OBLIGATIONS

CHECKS BEFORE DEPARTURE

Document check

- permit-dates: width, axle load, correct vehicle use ...
- weight confirmation

Visual vehicle check

- of semitrailer (and road tractor)
- of load securing

TD perform a entrusted (public) task in the field of traffic administration.



TRAINING IS OBLIGATORY

FOR USE OF BLUE FLASHING LIGHT MORE TRAINING

Basis 30 lessons (orange light)
Extension 8 lessons (blue light)

- Training and Test
(written or oral test by authority)

Competences:

- legal bases,
- contents of permits (examples)
- vehicle technologies, ● equipment
- overtaking of the transport,
- the right dealing with other road users, ● equipment (man, vehicle)
- load securing, ● transport geography



FURTHER TRAINING

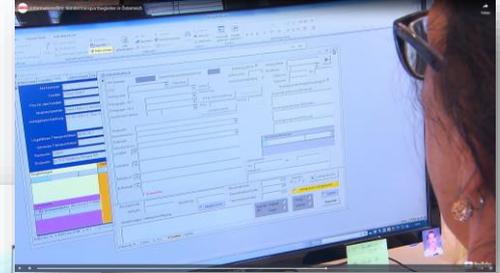
TRANSFER OF THE LATEST KNOWLEDGE

Refresher 7 lessons (orange light)
Refresher 8 lessons (blue light)

Validity for 5 years, no test

Road transportation supervisory bodies must act

- with self-assurance,
- self-confidence and toughness (comparable with policemen), when giving instructions in traffic.



PERMIT ISSUE BY AUTHORITIES

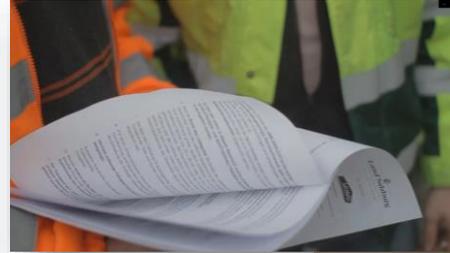
PERMITS 100 PERCENT ELECTRONICALLY

E-government platform

- 40.000 permits
- 1200 companies
- 50 % domestics, foreigners
- 50 granting authorities, petitioners

The status of the file can be viewed and edited at any time.

Long waiting times are part of the past.



TRAFFIC DIRECTORS ARE SERVICE PROVIDERS

PROFESSIONAL ALL-ROUND SERVICE

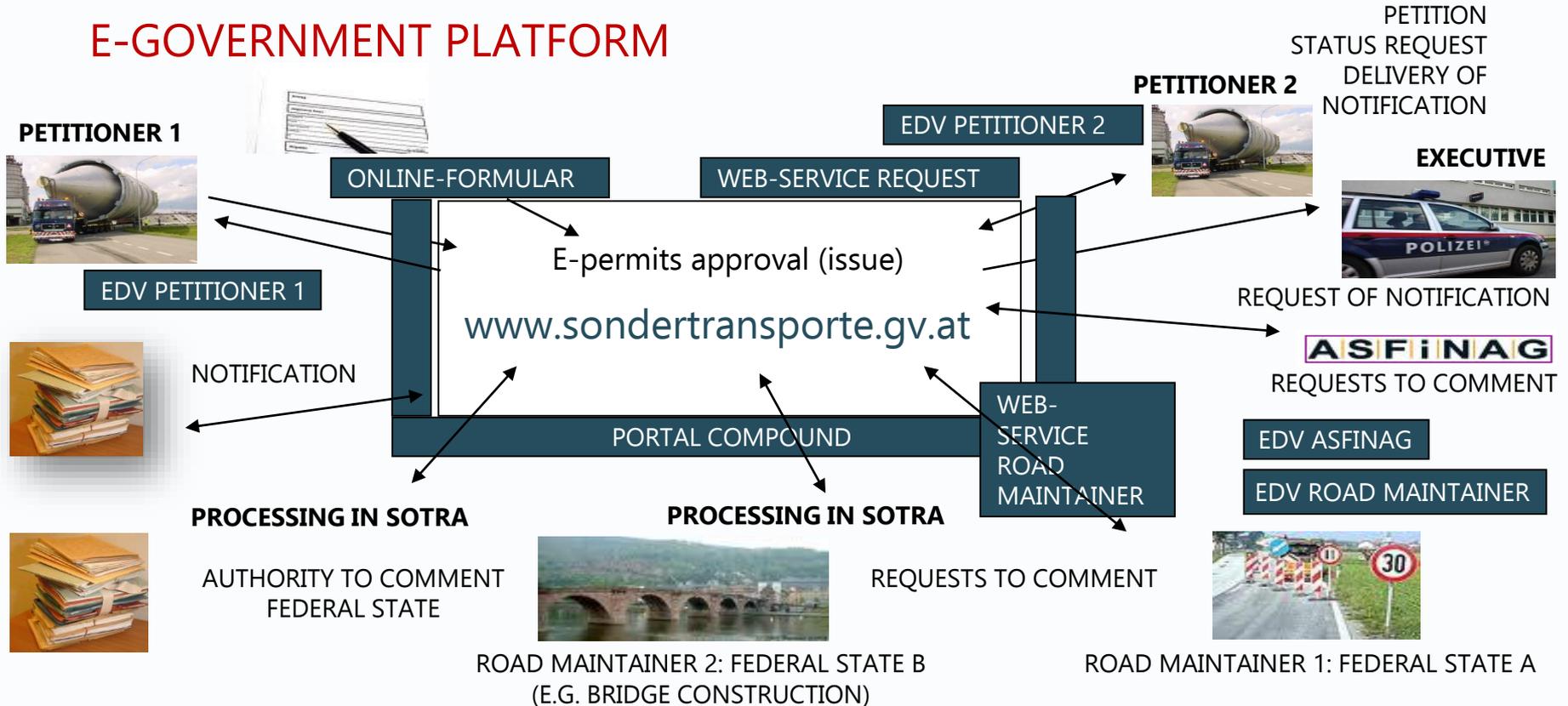
Traffic Directors provide

- application services for petitioners beforehand
e.g. commercial carriers, companies from trade and industry
from the planning to the performance of the carriage
- informations for the driver during the transport
e.g. application, registration of the truck at the infrastructure
manager (motorway, rail operator), at the bridge construction
department of the provincial administration (width >5m, >140 t)
- on-road instructions for the truck driver concerning the next
parking space, the weather conditions (wind, heavy snowfall),
contacts traffic management centers and tunnel authorities



TRANSPORTS CAN BE PLANNED 1 YEAR IN ADVANCE

E-GOVERNMENT PLATFORM



THE WEIGHING CARRY OUT PRIVATE COMPANIES

WEIGHING CONFIRMATION FOR AUTHORITIES



THE WEIGHING CARRY OUT PRIVATE COMPANIES

WEIGHING SERVICE FOR DOCUMENTATION

- Weighing is carried out by private companies before departure
- Especially for transports > 140 tons the permit requires the weighing of the transport.
- The written confirmation of the weighing is sent to the infrastructure manager (in Austria: ASFINAG).
- The written confirmation proves that the weight limits (total weight, axle loads) specified in the permit are not exceeded by the actual weights of the transport. Compliance with the permit specifications is given (granted).
- Of course, the police do additional checks.

POLICE CONTROL CONFIRMS POSITIVE SOLUTION

POLICE STATE NO NEGATIVE INCIDENTS



The Austrian Traffic Director-System has proved itself

- as a success story in 15 years, unique in Europe and worldwide
 - replaced police without a single accident
 - no police has been requested for any assistance of TD at their work
 - planning of an abnormal road transport 1 year in advance
 - carriages arrive punctually at their destination (borders, ports).
-
- Austria serves as a role model for privatization plans in Europe concerning high-capacity transports and heavy goods transports.

1 **DOWNLOAD**
THE ADWRC APP



2 **FIND**
MY PRESENTATION



3 **RATE**
MY PRESENTATION



4 **SHARE**
YOUR FEEDBACK



AVAILABLE NOW
ABU DHABI WORLD ROAD CONGRESS APP



DR. STEFAN EBNER
DIRECTOR, AUSTRIAN FEDERAL ECONOMIC CHAMBER

Tel: +43 5 90900 4028

Email: stefan.ebner@wko.at

Website: wko.at/afv

 [@WKOe](https://twitter.com/WKOe)