



**XXIVth World
Road Congress
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COMMUNICATION WITH ROAD USERS

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MAANTEEAMET

Purpose:

Identify innovative approaches to inform and influence road users about road condition, winter operations and safe winter driving.

Activities:

A questionnaire was prepared and sent to members of Technical Committee B5 Winter Service.

Filled questionnaires have been returned from 25 countries

The synthesis of answers has been compiled.

Conclusions and recommendations have been worked out.



Participating countries/states

Andorra

Austria

British Columbia (Canada)

Québec (Canada)

Czech Republic

Denmark

Estonia

Finland

France

Germany

Greece

Iceland

Italy

Hokuriku Region (Japan)

Hokkaido (Japan)

Tohoku (Japan)

Latvia

New Zealand

Norway

Slovak Republic

Slovenia

Sweden

United Kingdom

US Montana

US Nevada



Questionnaire

For collecting information in the work program of topic B.5.4 “Communication with road users “of PIARC Technical Committee B5 Winter Service

Please write answers to the following 25 questions about the availability of information of winter road and traffic conditions and communication possibilities with road users on intercity highways in your country/state.

Country/State ...

Subtopic 1

Informing road users about winter road and traffic conditions through mass media**Question 1**

Which organization or department is responsible for collecting data about road and traffic conditions in order to inform road users:

Answer

- Maintenance service provider
- State road agency
- Provincial road agency
- Municipal road agency
- Traffic center
- Other. Specify...



Subtopic 1

Informing road users about the winter road and traffic conditions through mass media

Subtopic 2

Usage of on-road-installed devices for informing road users about changeable road/traffic conditions

Subtopic 3

Informing road users about changeable road/traffic conditions by devices installed into vehicle

Subtopic 4

Individual inquiries of road user in order to get information about winter road/traffic conditions



Subtopic 5

Feedback from road users concerning road/traffic conditions

Subtopic 6

Communication with road users during extraordinary winter road conditions

Subtopic 7

Road/traffic information aimed for winter pedestrians, cyclists, motorcyclists and motorists of ATV

Subtopic 8

Education of drivers and travelers to be active in inquiring of driving condition information

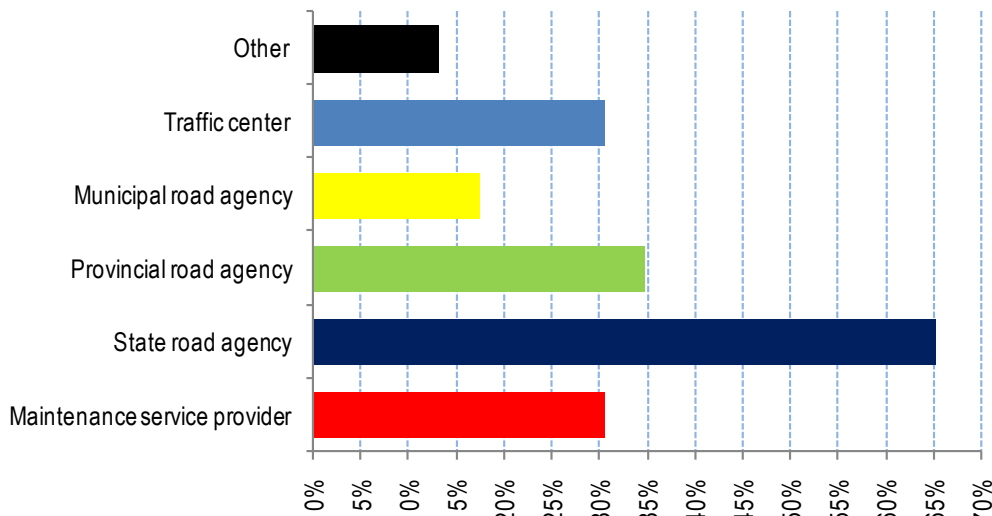
Subtopic 9

Interpretation of road/traffic information for foreigners



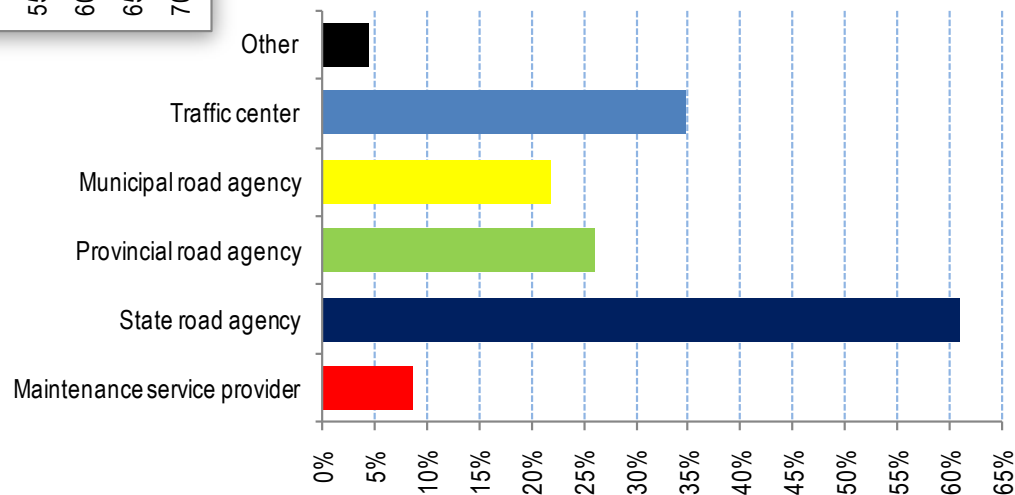
Informing road users about changeable traffic conditions

Organization/Department collecting data



Data collecting

Organization/Department to disseminate road & traffic information to road users



Data disseminating

Informing road user about the winter road/traffic conditions

Websites that provide information about the winter road/traffic conditions

Examples:

Denmark *www.wintertrafic.dk*

Estonia *www.mnt.ee*

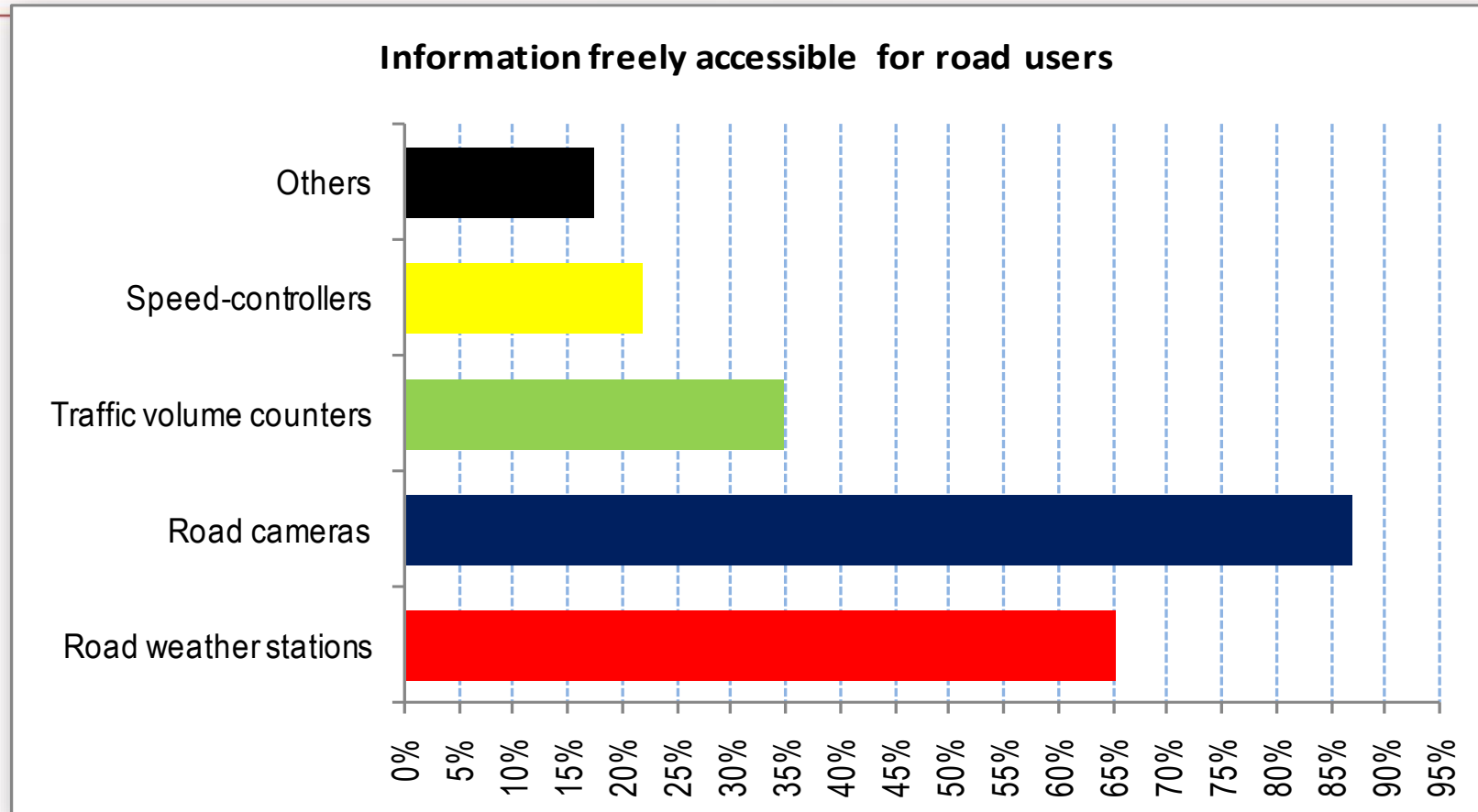
USA *www.safetravelusa.com*

France *www.bison-fute.equipement.gouv.fr*

TC B5 recommends easily memorable website addresses



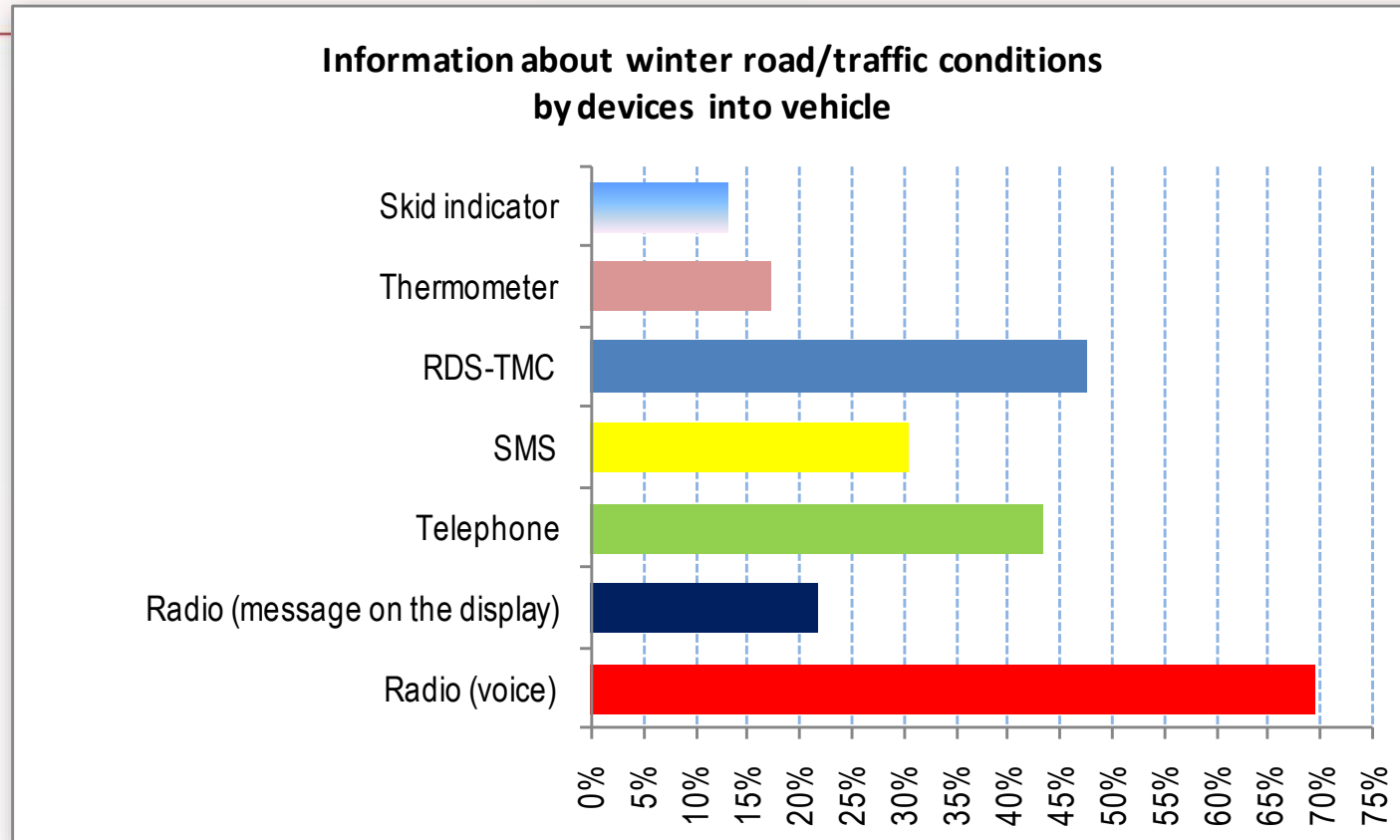
Usage of on-road-installed devices for informing road users about changeable road/traffic conditions



Most of countries/states offer free access to road cameras (87%), followed by road weather stations (65%).



Informing road users about changeable road/traffic conditions by devices installed into vehicle



Radio (voice, 70% and RDS-TMC in 48%) is the most commonly used device to transmit information to driver



Individual inquiries of road user about winter road/traffic conditions

Public telephone numbers to Road/Traffic Information

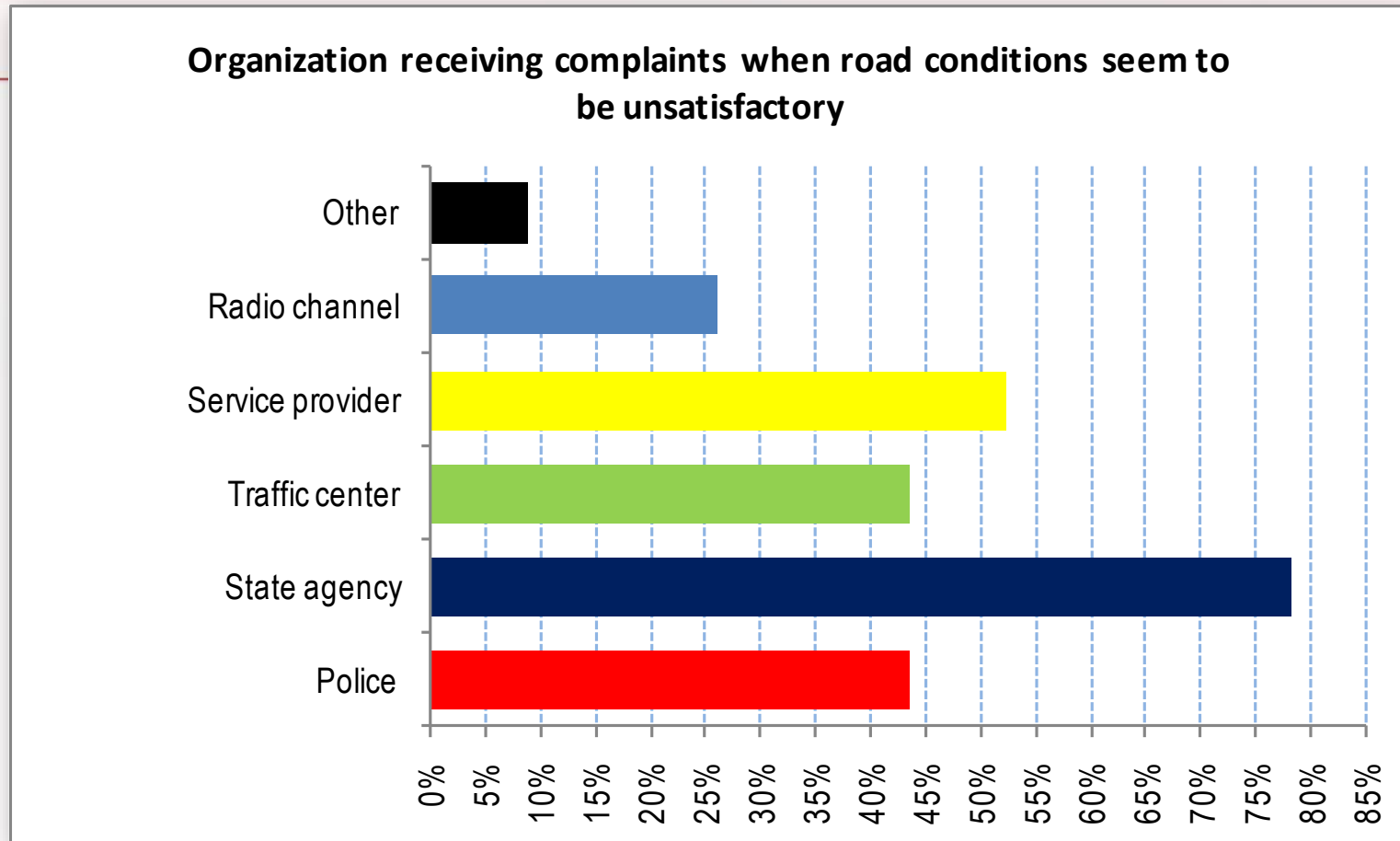
Examples:

<i>USA</i>	<i>511</i>
<i>Denmark</i>	<i>1888</i>
<i>Estonia</i>	<i>1510</i>
<i>Austria</i>	<i>080040012400</i>
<i>Germany</i>	<i>depends on region</i>

TC B5 recommends easily memorable telephone numbers



Feedback from road users concerning road/traffic conditions

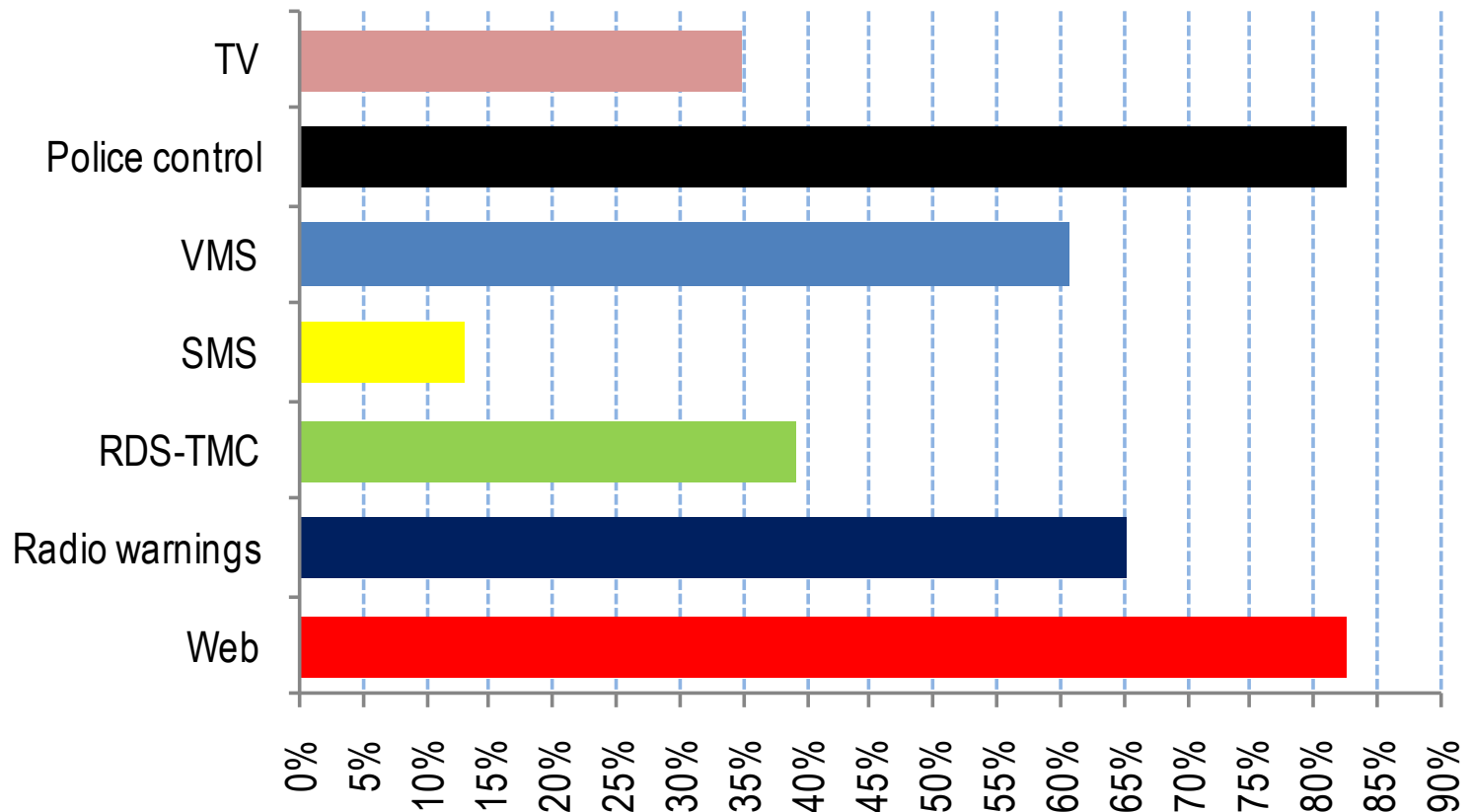


In 78% of cases state agencies receive complaints from road users, followed by service provider 52%



Communication with road users during extraordinary winter road conditions

Preventive measures to control entry of travelers into zone of winter emergency



Road information for winter pedestrians, cyclists, motorcyclists

Still only few countries like Finland, Hokuriku and Hokkaido (Japan) have some specific information for winter pedestrians, cyclists, motorcyclists and motorists of All-Terrain Vehicles.



Education of drivers and travelers to be active in inquiring of driving condition information



Training for winter driving in summer in Japan



Interpretation of road/traffic information for foreigners

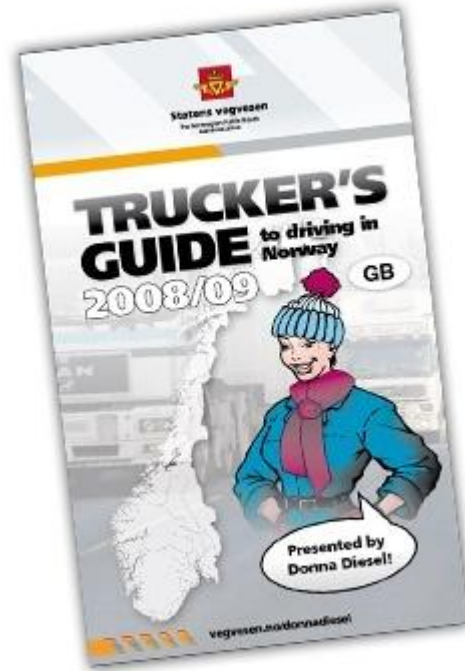


Introducing board on the border crossing of Poland.



Interpretation of road/traffic information for foreigners

Trucker`s guide for foreigners “ Donna Diesel” in Norway



Translated into English, German, Russian, Polish and Finnish. On the website: www.vegvesen.no



- A task to be wisely solved is how to make information available to road users in an effective and convenient way.
- The chain of information to the user should be shortened
- Dedicated telephone numbers and websites should be short and easily memorable
- Internet and cellular telephones have created a broad individual communication environment for road users.
- Innovative technical solutions enable vehicles to be equipped with driver-informing, warning and assisting devices which provide guidance to drivers



- During extreme road or weather conditions travelers should keep a fully-charged cellular telephone in a vehicle
- In order to avoid the entry of heavy vehicles into zones of slipperiness and snowstorms prohibitive VMS-type remotely activated road signs are recommended in cooperation with police patrols
- Providing information on winter road service is important not only for car drivers, but also for pedestrians, bicyclists and moped drivers who use the same infrastructure.
- Public road agencies should provide more information for foreign travellers and on border crossings



- Cooperation between the neighboring countries with the intent of making the road information available along the through traffic route helps travelers to plan the trip and react to the changes in a proper time
- Harmonizing of road information exchange between stakeholders is a challenge for the future

Thank you for listening!

Be informed on the road!

