

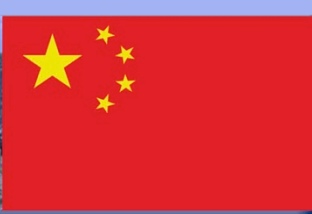


Human Factors in Transportation Safety:

Road passenger and freight transport driver as an example

**Professional Qualification Authority of
Ministry of Transport of PRC**





Occupation Qualifications Related to Transportation Safety

Road Transportation

road passenger transport drivers
road freight transport drivers
road danger cargo transport professionals
motor vehicle repair technicians
driving coaches

Water Transportation

mariner
water danger cargo transport professionals
sea service maintenance personnel
tally personnel
lifting handling machinery operators

Transportation Construction

civil engineers (ort and waterway engineering)
civil engineers (road engineering)
supervising engineer
engineering test personnel



Main Content

1

Basic information of road passenger and freight transport drivers and safety

2

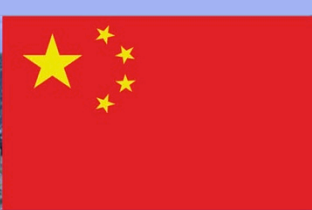
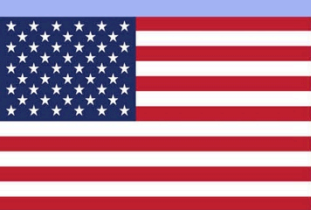
**Analysis of the factors of road passenger and freight transport drivers
in road transport safety**

3

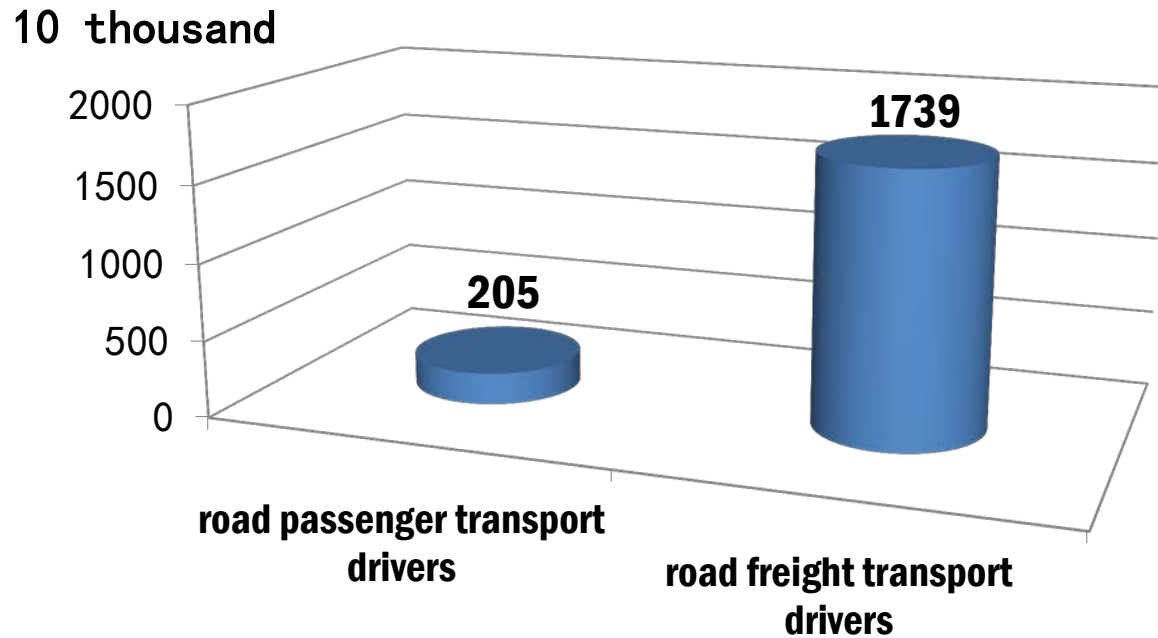
**Measures for road transport safety management from the perspective
of occupation qualification**

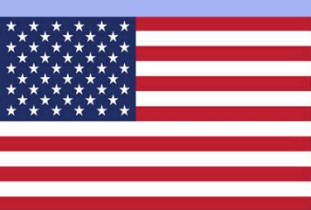
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Proposal for cooperation in occupation qualification in road transport safety



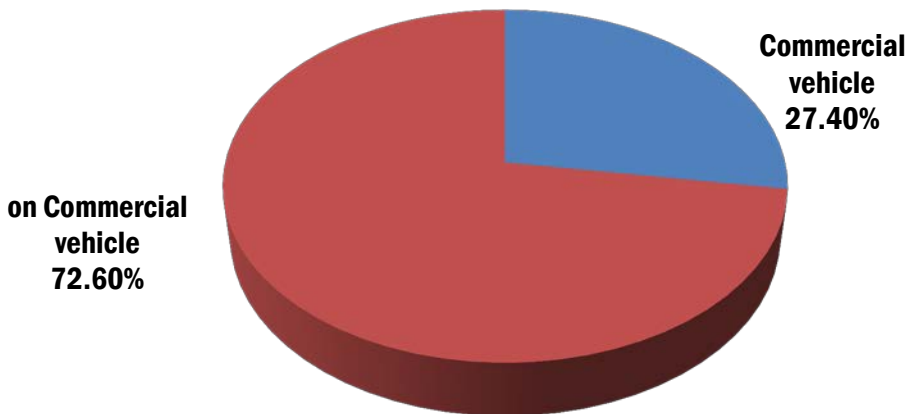
1. Total number of road passenger and freight transport drivers



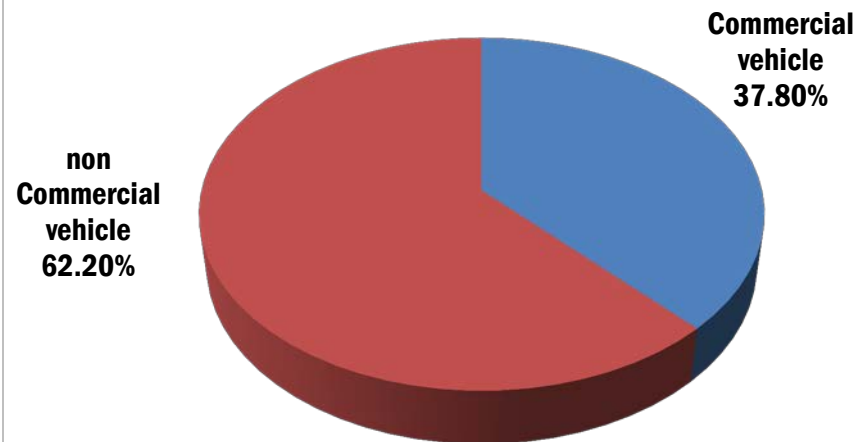


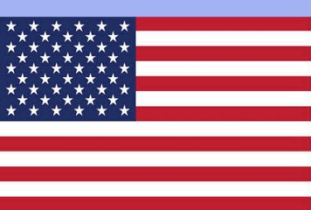
2. Road transport accidents

Accidents

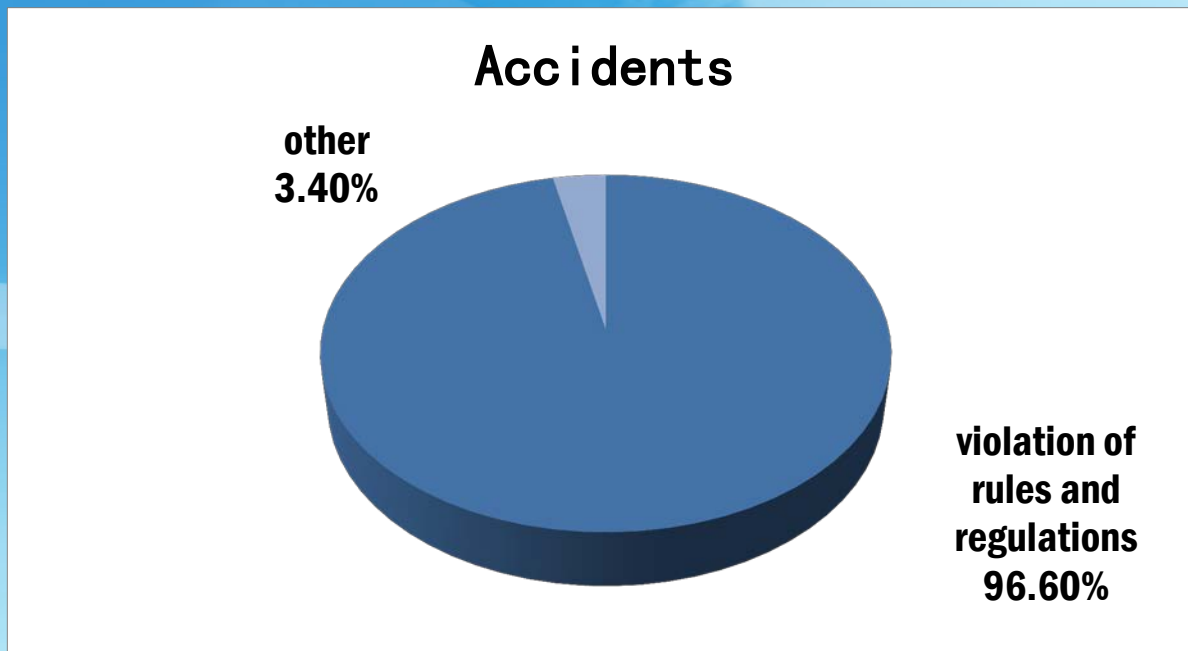


Deaths





3. Road accidents caused by violation of rules and regulations





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2

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3

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4

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Analysis of the factors of road transport drivers in road transport safety

transport safety is closely related to...

Basic qualities

Professional skills

**Physical and
psychological states**



great sense of responsibility for the public

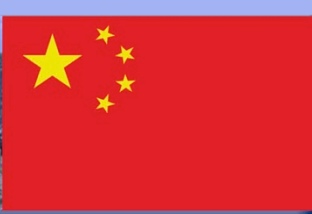
a strong sensibility of safety

basic knowledge of driving vehicles

strictly abide by the road traffic laws

2.1 Basic qualities



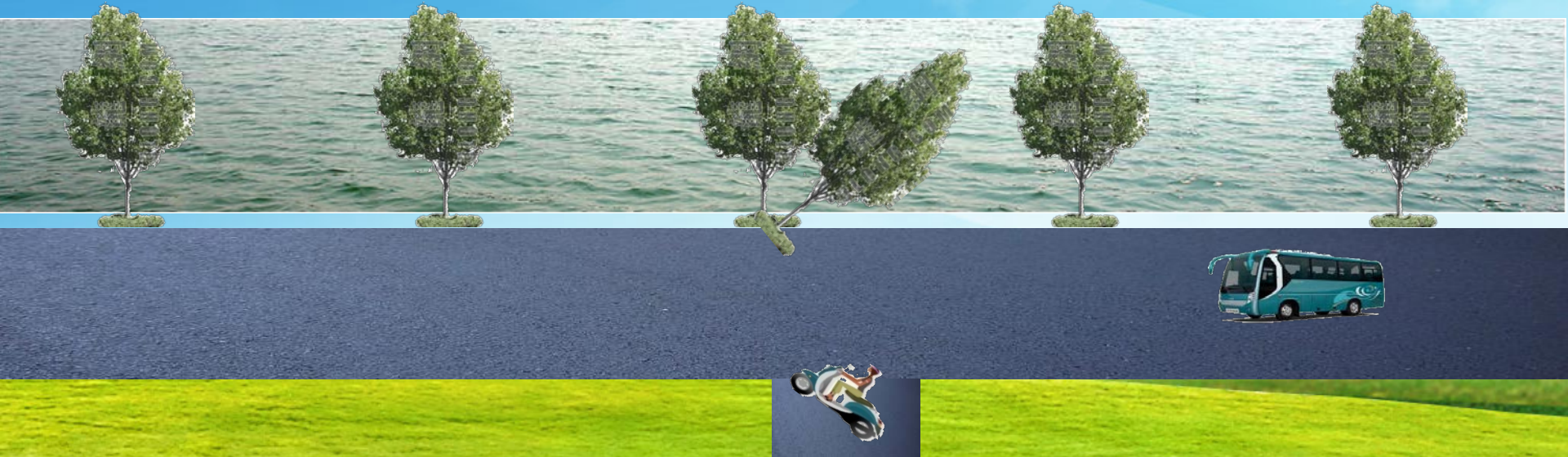


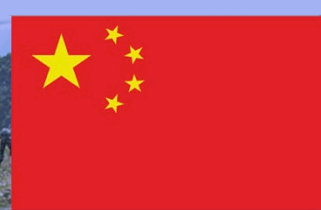
**are not able to identify the dangerous sources
timely**

**lack of the ability to take effective measures in
time of emergency**

2.2 Professional skills

**The bus driver made a wrong reaction,
turning left drastically, and the bus crossed
the road and dashed into a pond on the left
side of the road, resulting in the deaths of
12 people and 23 injuries.**





2.3 Physical and psychological states

Traffic accident is related to driver's age and physiology.

Traffic accident is related to driver's psychology

the driver, with luck mentality, illegally crossed the ramp diversion line into the second lane. At this moment, a bus was driving through, and the fatigue bus driver did not take any braking measures. The truck collided into the rear end of the bus, causing a fire, and resulting in 36 deaths, 3 injuries.





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2

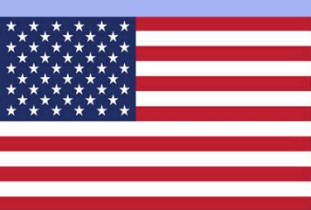
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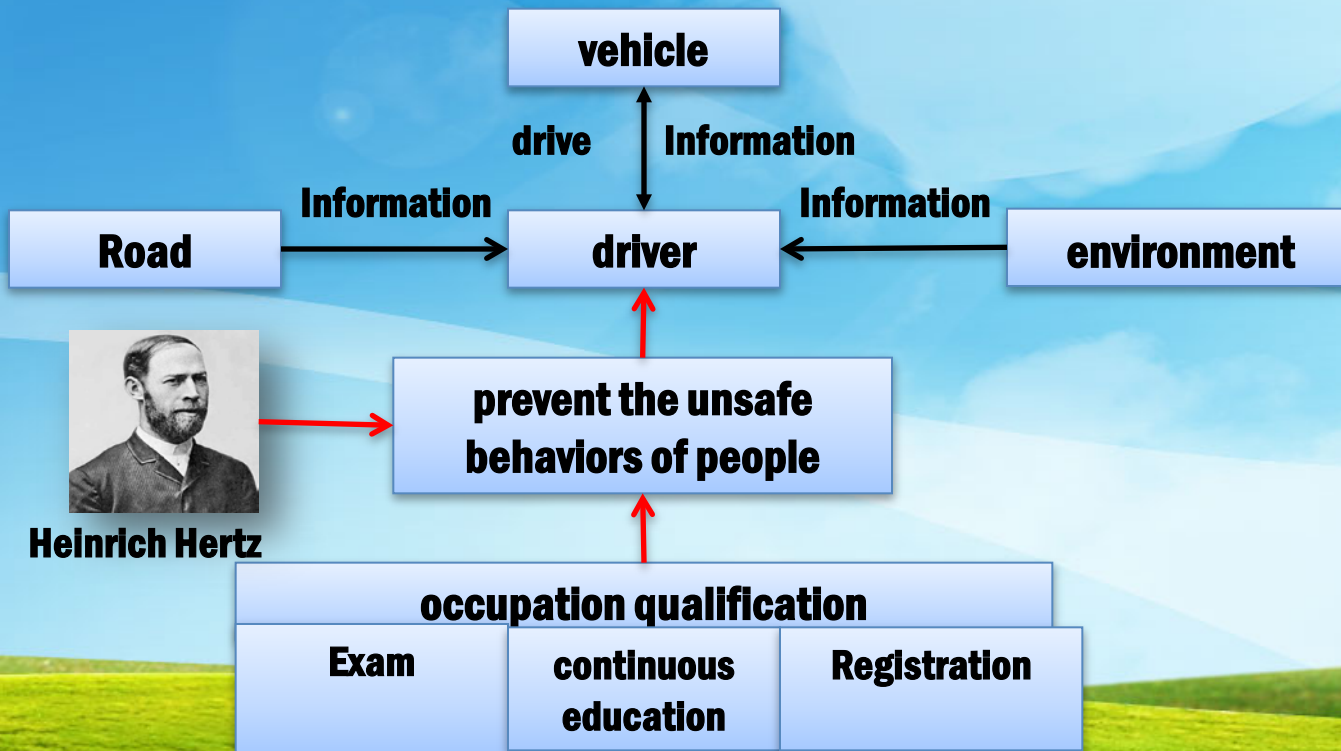
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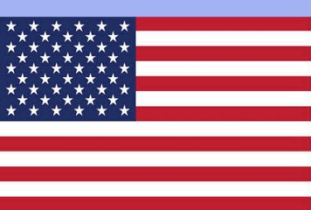
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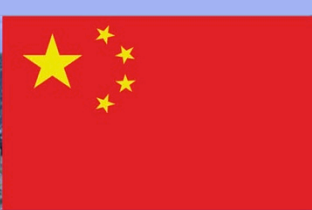
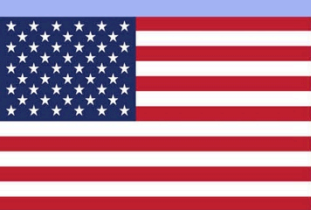
3.1 Take the qualification examination as a grasper, ensure the basic quality of driver

examination standard system

operation system

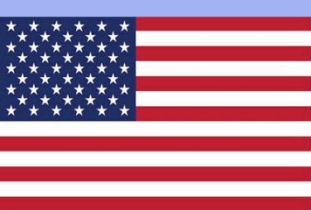
system of exam quality assurance

information system



revised the qualification examination syllabus, published books for exam preparation, making question repertoire





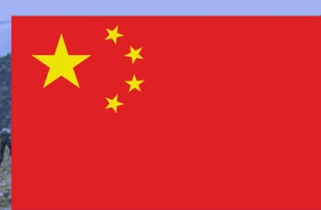
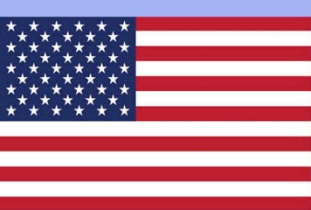
Provided computer examination system



Exam Room

Exam Interface





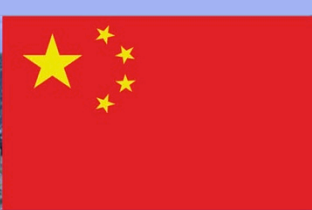
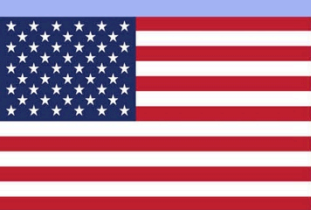
3.2 To strengthen the defensive driving training and examination



have not formed the awareness and skills of safety when driving under complex conditions.

Some of the road passenger and freight transport drivers even have no fundamental safety awareness and skills





Continuous Education of Road Transport Drivers

Approaches of Continuous Education of Road Passenger and Freight Transport Drivers

Textbook for the Continuous Education

Program for the Continuous Education

continuous education information system

交通运输部文件



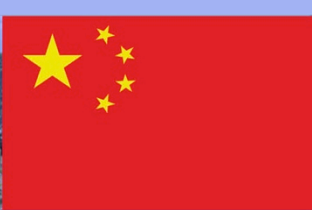
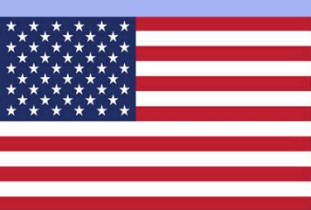
交通运输部文件

交运发〔2011〕475号
关于印发中华人民共和国道路客货运输驾驶员继续教育大纲的通知
各省、自治区、直辖市、新疆生产建设兵团交通运输厅(局、委)：
现将《中华人民共和国道路客货运输驾驶员继续教育大纲》印发给你们，自印发之日起实施，请认真遵照执行。



道路运输驾驶员
继续教育教材





3.3 Explore and carry out the registration management

How to prevent the unsafe behaviors of people

self adjustment timely



force adjustment through regulations

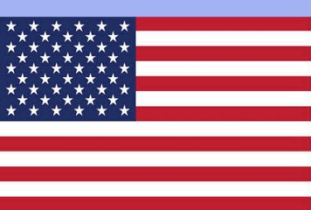


registration management

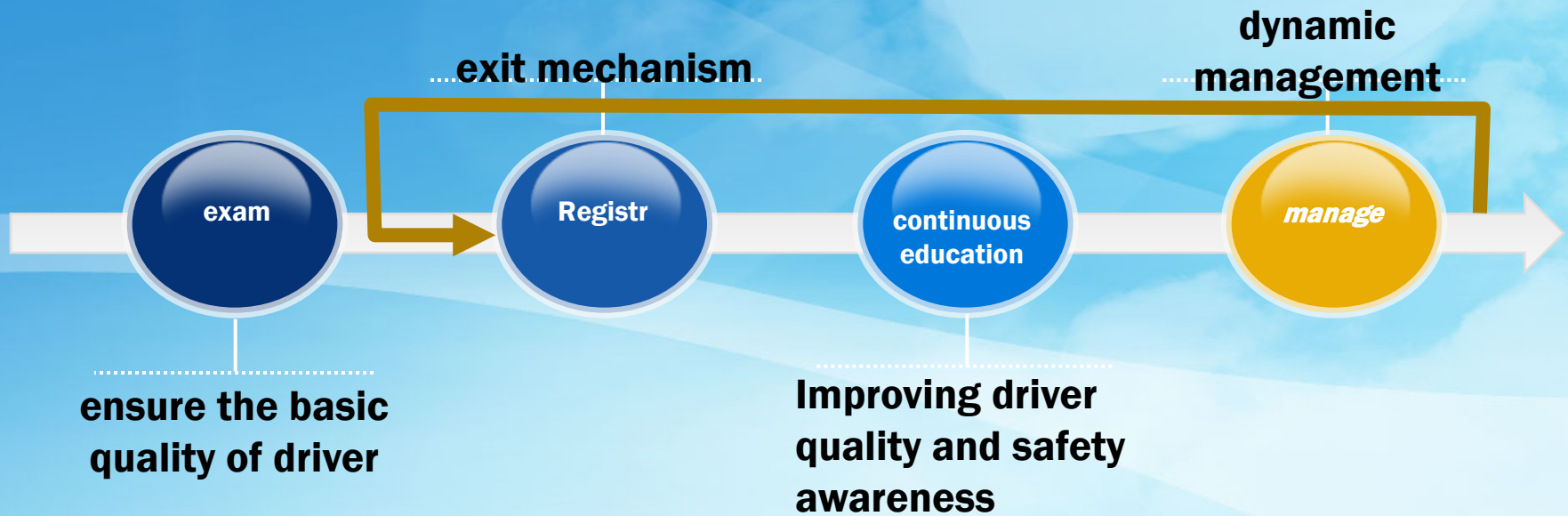


force adjustment through technology





Occupation qualification play a role in promoting transportation safety





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4 Proposal for cooperation in occupation qualification

Commercial Vehicle Information Systems and Networks.

- travel to the United States in the first half of 2014
- managing road drivers relying on CVISN

Safety emergency responsibility of drivers

- Exam
- train

suitable for driving vehicles

- research
- practice



Thanks

