

**COSBER**

Smart Integration · Global Innovation

# Overview of PTI System in China & its Continual Improvement

CITA Webinat of 31th March 2021

*Presented by Ken WANG of Shenzhen COSBER*



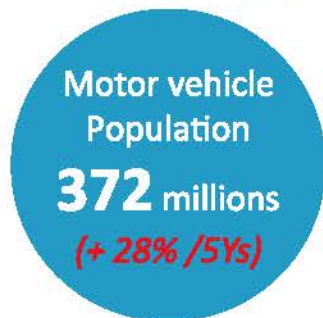
## Part 1

# Revolution of China PTI System and Requirement

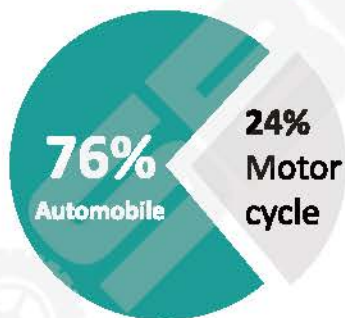


## Key Data of Chinese Automobile Market in End 2020

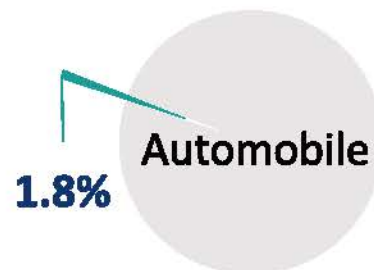
**Driving license**  
**456 million** (+27%/5 years)



**Automobile**  
**281 million** (45%/5Ys)



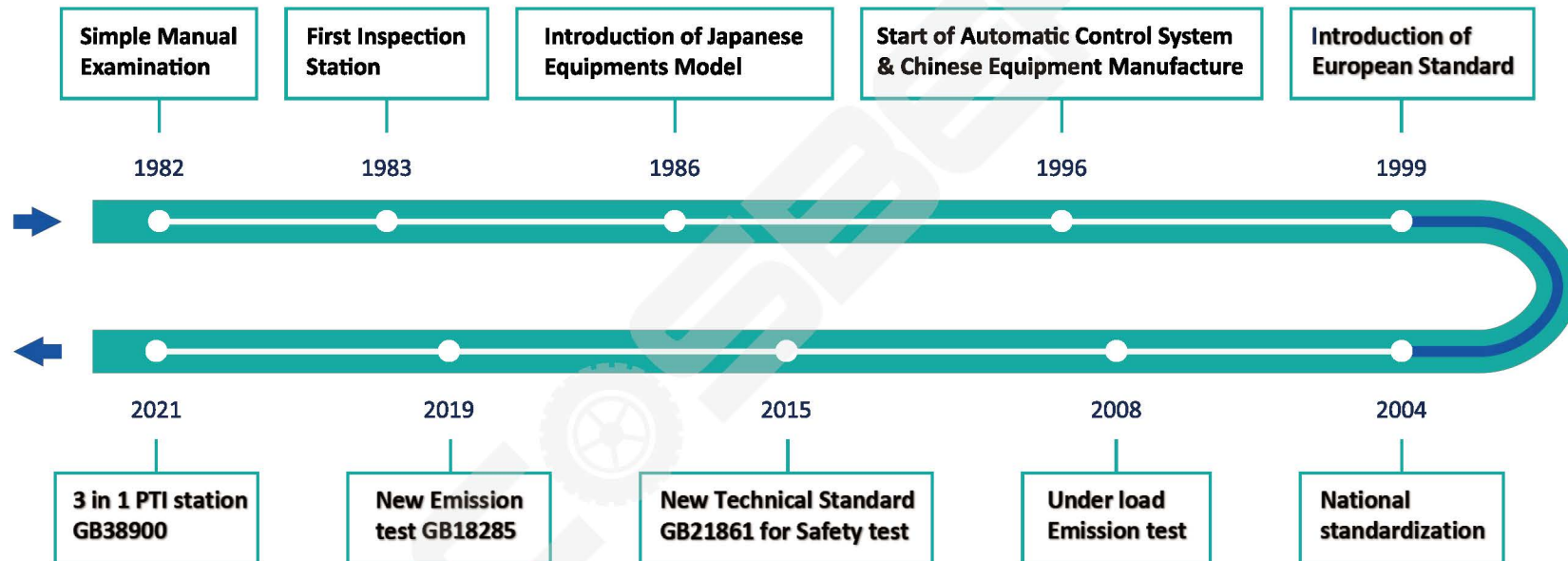
**New Energy Vehicle**  
**4.92 million** (+440%/5Ys)



New registered automobiles are **24.2 millions** In 2020 (- 6%).

There are **30** Chinese cities with vehicle populations is more than **2 millions** (No.1-Beijing: **6.0 millions**)

## Milestone of PTI System in CHINA



# Number of Vehicle Inspection Stations



**End of 2019**

**> 9 600 Safety & Emission PTI**

**Organizations (Private Stations)**

**≈ 1000 Commercial Vehicle PTI Stations**

**will be shifted to Safety PTI system.**

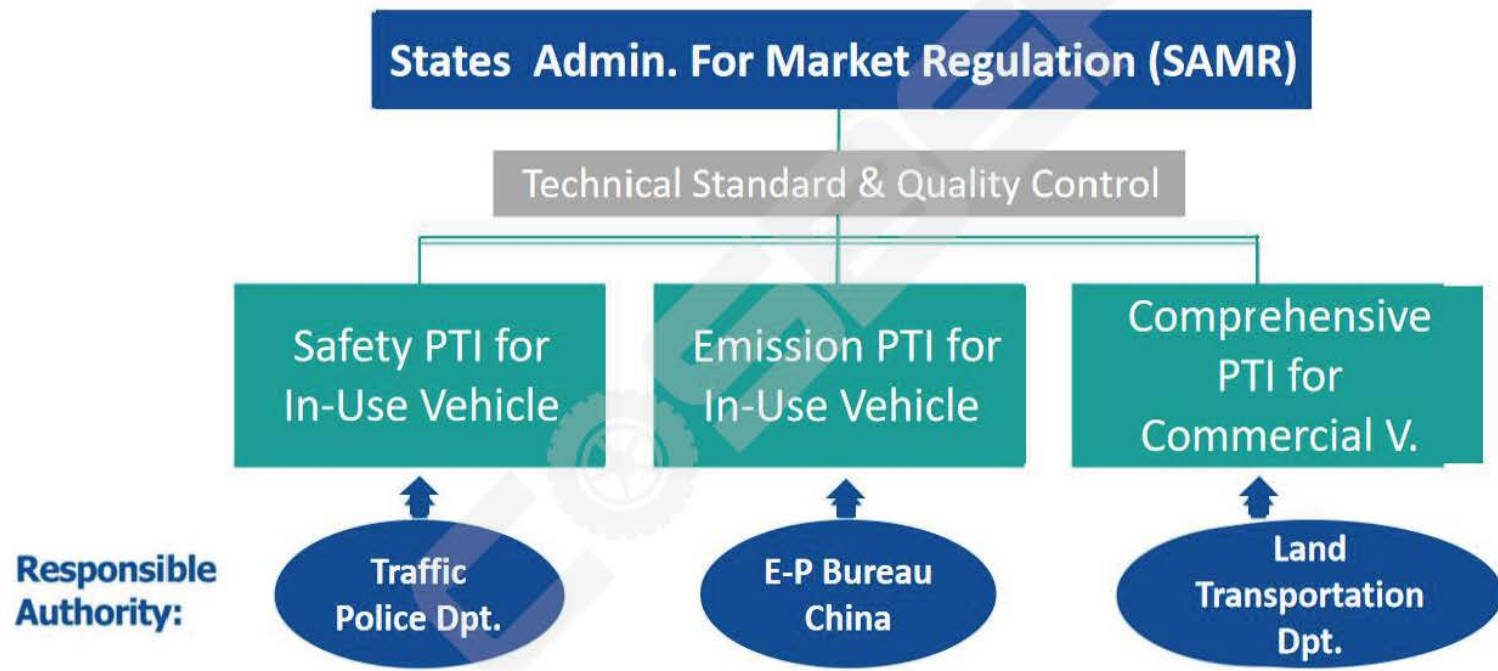
**★ Beijing Capital**

**● Provinces with more vehicle inspection stations**

**● Vehicle inspection stations**

**\* Small Chain-operation or Franchise is emerging in China because of when more competitions.**

# PTI Authorities in CHINA



## Part 2

# Continual Improvement of PTI China



## Current PTI Operation Mode in China (GB till 2016)

- 01 National wide Standard & Process for PTI. (From Y 2004)
- 02 Automatic & Computerised Operation System. (From Y 2004)
- 03 Flow Testlane of Multiple Work-positions. (From Y 2004)
- 04 Real time Data Exchange with Authority. (From Req. 2015)
- 05 PTI for HGV is Stricter than that of LDV. (From Req. 2015)





## Continual Improvement for PTI (GB21861/from 2016)

1

Car PTI. Interval to 6<sup>th</sup> -10<sup>th</sup> Y every 2 years, >10<sup>th</sup> Y Every year.

HDV PTI. Interval every year and Strict.Tech Req.

2

Reduce Visual Check from 104 to 50 items for car, but all items is Mandatory!

3

More Safety Device required for Commercial & HGV, Ex:  
Extinguisher/Recorder/Warming Sign

4

Adjust the Testline Items: Car test less ( ex. Wheel Speed/Sideslip) .  
HGV test more (loaded brake/3D scan/Total weight/Play detector)

# Continual Improvement for PTI (GB21861/from 2016)

## Strengthen Online Data Supervising:

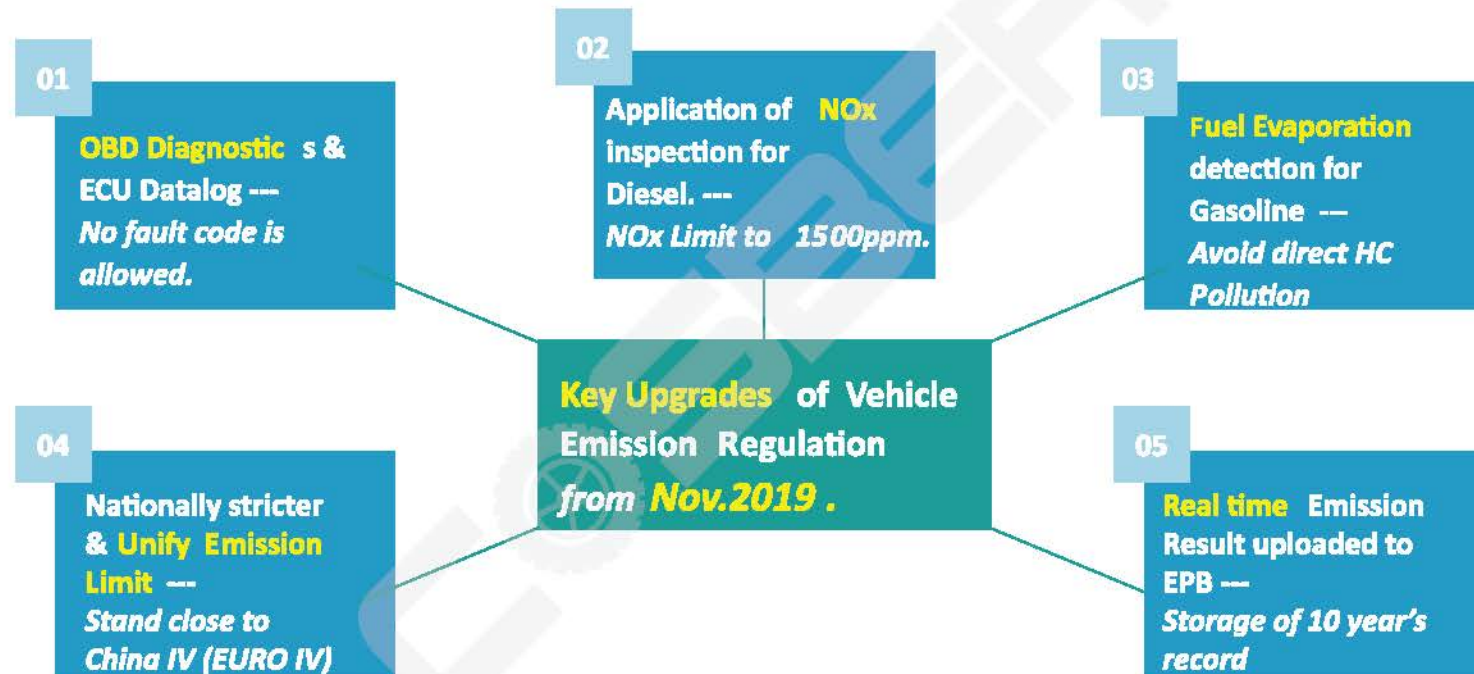
- Result & Image need to upload & Monitoring
- On-line by Exclusive Network.
- National wide data communication protocol



**6 in 1  
Monitoring  
System for  
Traffic  
Management  
China.**



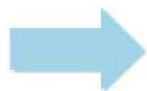
# Continual Improvement for Emission Test (GB18285/3847-2018)



# Market-oriented Policy for PTI Industry

**No.163-2015 Directives of States Admin. for Market Regulation (SAMR) for Vehicle Inspection**

- 1 Reduce PTI operator  
**Admittance**  
( Private & Foreigner)
- 2 Shorten License  
application  
**Procedure**
- 3 Normalize  
Business  
**Operation**
- 4 Strengthen  
**Monitoring**  
Performance



**Open the Market by Improvement of Efficiency & Transparency,  
Welcome more Investment !**

# Newest Update for PTI Policy - GB38900-2020

Promote the integration of 3 kinds of VI station into One.



Promote  
to  
3 in 1



New **PTI Interval** from **20th Nov.2020** for Private Car ≤ 9 Seats :

0-6<sup>th</sup> yrs no PTI, 7-10<sup>th</sup> Yrs every 2 yrs, 10-15<sup>th</sup> Yrs every 1 yr, >15<sup>th</sup> yrsevery 6 Mths. Non-mandatory scrapping.

## Newest Update for PTI Policy - GB 38900-2020

◆ *Published on May 2020.*

◆ *Implement on Jan.2021*

Upgrade & replace of 2 others national PTI requirement:

GB 21861-2014 《Items and Methods of Motor Vehicle Safety Technical Inspection》

GB 18565-2016 《Comprehensive Performance Requirements and Test Methods for Road Transport Vehicles》

1

Merge of PTI for  
Commercial V. into  
all Safety PTI

2

Increase of Visual  
check items in HV.  
& PDA is a must

3

Delete of Equipments  
test:  
Whl Res./Susp./Sound  
/Dyno test/Lamp devi.

4

Real time Data  
submission with  
Unify Data Format

## Thank you for your time! Further Information and Contact:

- Further Information, Presentations about COSBER in topic of:

### **Overview of PTI System in China & its Continual Improvement**

Contact:

**Ken Wang**

**Intl. Sales Director of COSBER**

10th, F1, TCL Intl. Science E-Park, 1001 Zhongshanyuan Road, Shenzhen, China

Tel.: +86 755 2572 7015

Email: [kenwang@cosber.com](mailto:kenwang@cosber.com)

www: [www.cosber.com](http://www.cosber.com)



Vehicle Inspection Equipments & System