

Informal document **GRVA-19-53** 19th GRVA, 25 June 2024 (For review during the Troy meeting 20-24 May 2024) **Agenda item 11**

中国汽车技术研究中心有限公司

China Automotive Technology and Research Center Co., Ltd.

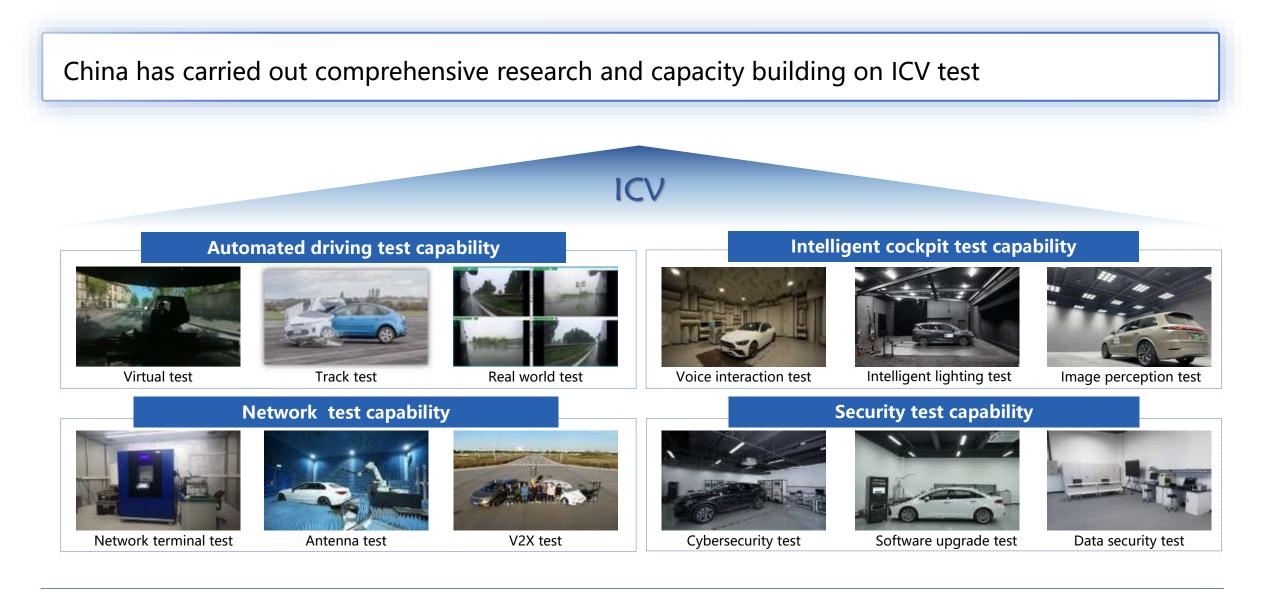
Introduction to current capability of ICV tests in China

For the 19th meeting of WP.29/GRVA

Submitted by the experts from China May/June 2024

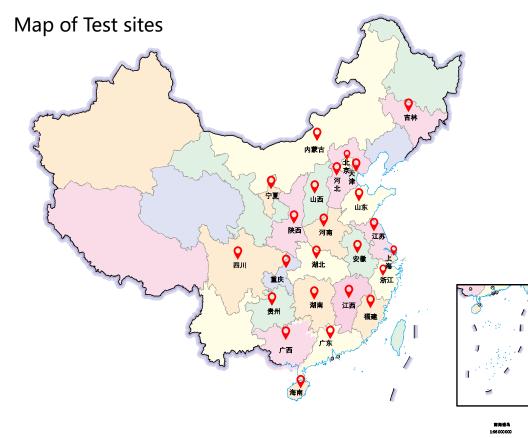
Summarize

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Test site distribution

In order to meet the ICV testing needs in different scenarios, China has established more than 50 ICV test demonstration zones, and issued more than 800 autonomous driving real-world test licenses, with a total test mileage of more than 10 million kilometers.



Note: The above data is from public reports and is available until 2023

- Beijing: Beijing Network cloud-controlled high-level autonomous driving Demonstration Zone
- > Beijing:Beijing Intelligent Connected Vehicle Demonstration Zone (Shougang Park)
- > Chongqing: National Vehicle Networking Pilot Zone in Chongqing (Liangjiang New Area)
- > Chongqing: Chongqing G5021 Shi-Yu highway Fufeng section wisdom highway
- > Jiangsu: Wuxi national Vehicle networking Pilot zone
- Jiangsu: Suzhou (Jiangsu provincial) vehicle networking pilot area
- > Jiangsu: Nanjing Sushui District Intelligent Connected Vehicle Test Road
- > Hunan: Changsha (Xiangjiang New Area) national Vehicle networking pilot zone
- > **Tianjin:** Tianjin (Xiqing District) national vehicle networking pilot zone
- Fujian: The first 5G new infrastructure project of the National Development and Reform Commission - Fuzhou Langqi Wisdom Island
- > Shanghai: National intelligent connected vehicle pilot demonstration zone
- Hebei: Smart Vehicle and Smart Transportation Industry Innovation Demonstration Zone (Xushui)
- > **Hubei:** Wuhan Intelligent connected Vehicle Demonstration Zone
- > Jilin: National Intelligent network vehicle application (North) Demonstration zone
- > Sichuan: Chengdu Sino-German Intelligent Connected Vehicle Demonstration Base

Automated driving test capability



China has established a number of ICV test centers with full coverage of complete vehicles and parts, and a combination of real vehicles, benches and simulations





Yancheng, Tianjin actual car test site

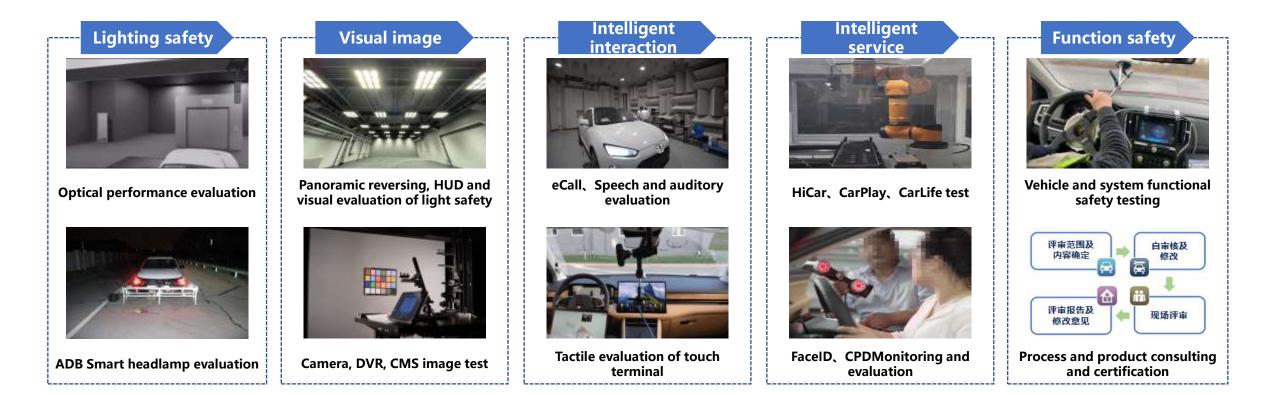
Site closure and development of road test equipment

Software in the loop/hardware in the loop/Driver in the loop/vehicle in the loop

Intelligent cockpit test capability



China has established a full range of intelligent cockpit testing capabilities covering components, systems and vehicles, including a voice interaction laboratory based on Chinese dialects



Network test capability

China has established adaptive test capabilities according to the characteristics of connected terminals and connected vehicles



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Security test capability



Some automobile inspection agencies in China are building cybersecurity database to ensure the consistency of cybersecurity test results



Thank you for your attention!

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