Introduce KoROAD

Al driving ability test standardization and evaluation process development



Korea ROAD Traffic Authority Traffic Science Institute

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Association for Standardization of Automation and Measuring Systems

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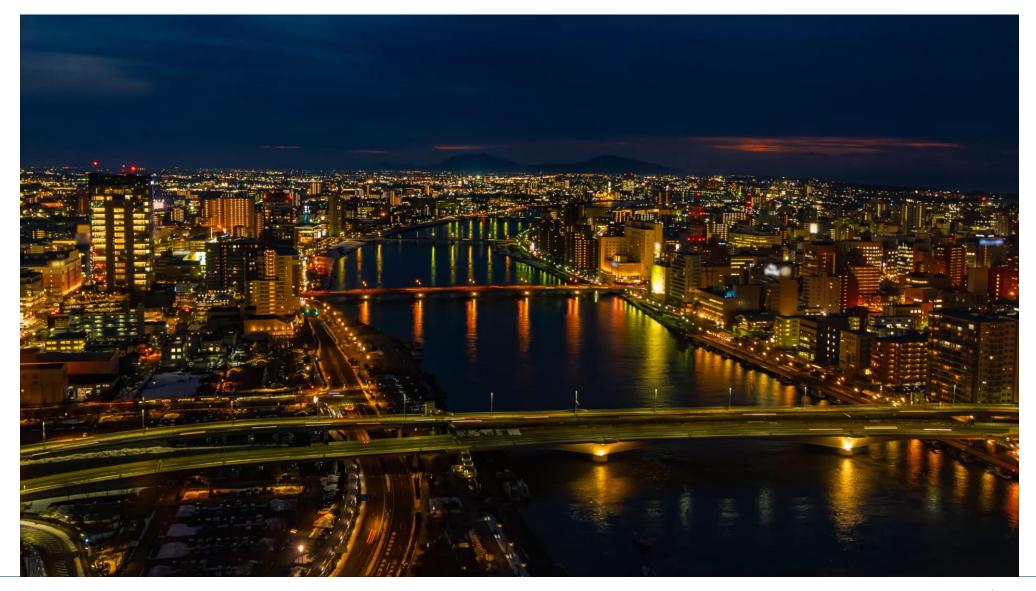
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KoROAD Major Service



1. KoROAD Major Service





1. KoROAD Major Service



Road Traffic Safety Service

We create stable and smooth traffic by improving the road traffic environment scientifically and analytically.

We strive to enhance traffic safety through traffic accident prevention activities and realize noticeable improvements in traffic operations.

- Technical Support for Traffic Safety Facilities and Signals, Development of ITS
- Inspection of Traffic Enforcement System Operation and Management of Scientific Equipment
- Recognition by Internationally Accredited Tests and National Calibration Organization
- Improvement of Frequent Traffic Accident Spots
- Overseas Traffic Safety Projects such as ODA
- Establishment and Operation of Road Traffic Accident DB
- Traffic Accident Investigation and Analysis



Traffic Safety Education Service

We provide systematic and professional traffic safety education for all people.

We provide traffic safety education, thereby increasing traffic safety consciousness and prevent more traffic accidents.

- Traffic Safety Education for illegal
- Social Traffic Safety Education
- Professional Traffic Safety Education
- Online Traffic Safety Education
- Safe Driving Certification



1. KoROAD Major Service



Traffic Broadcasting Service

We strive to reduce traffic accidents by providing traffic safety information and news while protecting people through prompt broadcasting of disaster information.

TBN Traffic Broadcasting Network strives to relieve traffic congestions and reduce traffic accidents by providing traffic information essential to each region. TBN also plays the role of a national safety broadcaster that protects the lives and properties against disasters and accidents that threaten public safety.

- Established 24-hour disaster broadcasting system
- · Provides fast and accurate information on unexpected traffic situations
- Leads social contribution in each region by creating jobs and embracing the disadvantaged
- Leads campaigns for traffic safety and public security



Driver's License Service

We make efforts to prevent traffic accidents and establish a wholesome traffic culture by carrying out and managing a fair and reliable driver's license test to foster skillful drivers.

KoROAD operates 27 driver's license test centers nationwide We make efforts to issue driver's licenses more reliably based on fair license test management and improvement of license services to promote public convenience.

- Management of driver's license tests and improvement of the system
- Operation of Driving Support Center for the Disabled
- Support for the socially disadvantaged to obtain driver's licenses
- Consulting for drivers with dementia and elderly drivers on driver's licenses
- Implementation of qualification tests for driving course instructors, etc.



Traffic Science Institute Research



2. Traffic Science Institute Research



R&D project

We plan policies on traffic safety and develop an advanced traffic safety system in response to the changes in the future traffic environment.

Research Planning



We establish a medium to long-term roadmap for traffic science research and discover and plan national R&D projects.

We contribute to the establishment of a people centered traffic culture through the

field of road traffic.

improvement of laws and institutions in the

Traffic Policy Research

Traffic Engineering Research



Er

We perform research to improve traffic safety and operational technology, including the establishment of traffic infrastructure in response to the introduction and improvement of traffic safety facilities and traffic enforcement equipment, and fully autonomous driving.

Autonomous driving Research



We contribute to the people-centered, safe, and sustainable traffic culture through autonomous driving R&D. For example, autonomous driving related AI driving ability evaluation technology.

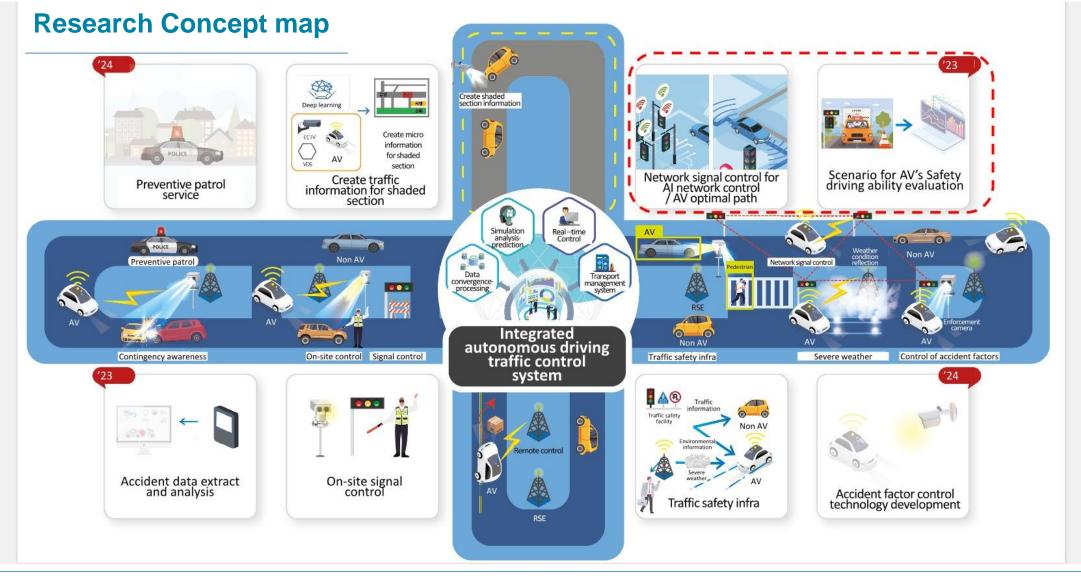
Convergence Technology Research



We research and develop a traffic operation system using the traffic signal control system and collect and provide standardized integrated traffic information through the urban traffic information center. In addition, we respond to changes in the future traffic environment through R&D.

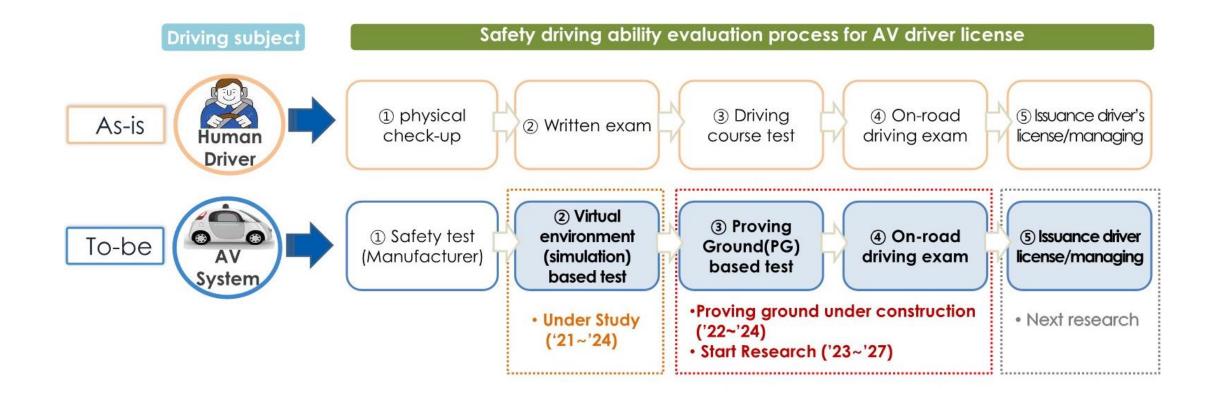






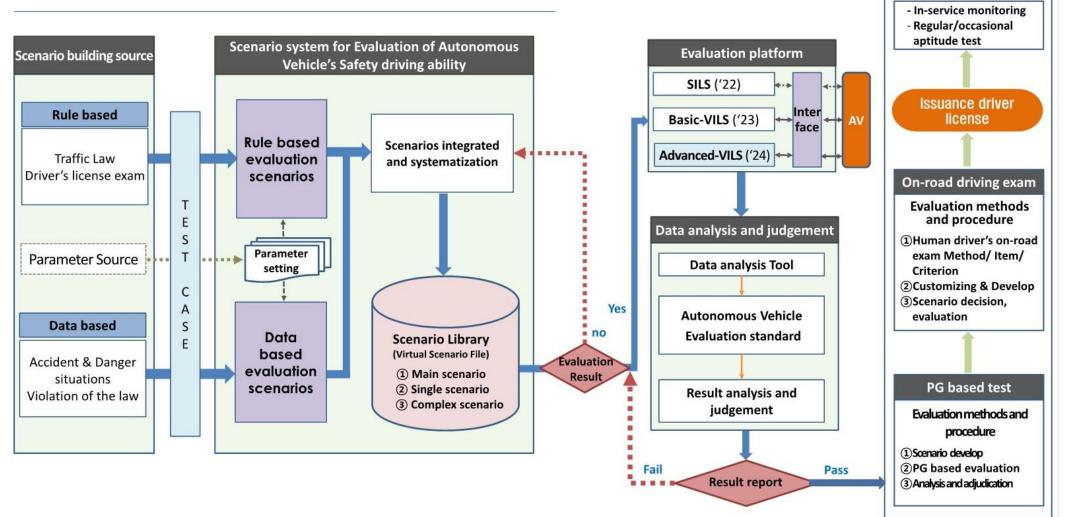


Process of Autonomous Vehicle(AV) safety driving ability evaluation





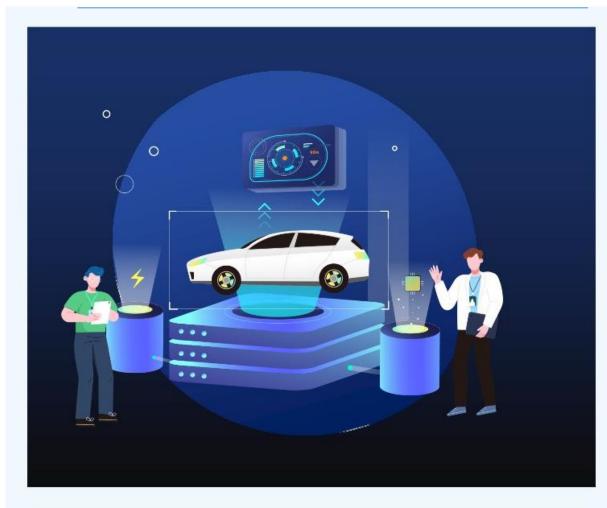
Frame work for AV evaluation Process





PG/On-road evaluation-

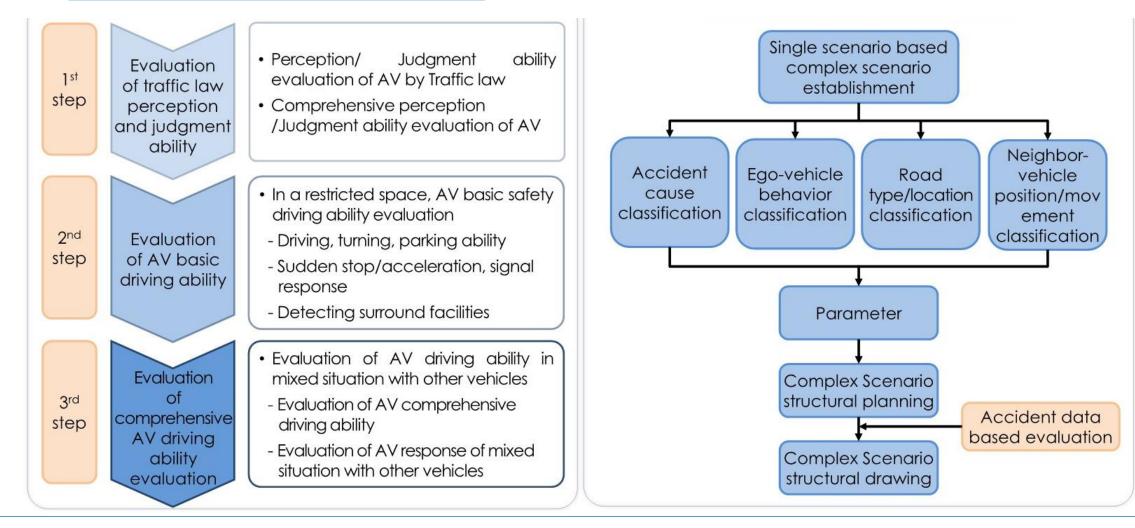
AV driving ability evaluation Scenarios







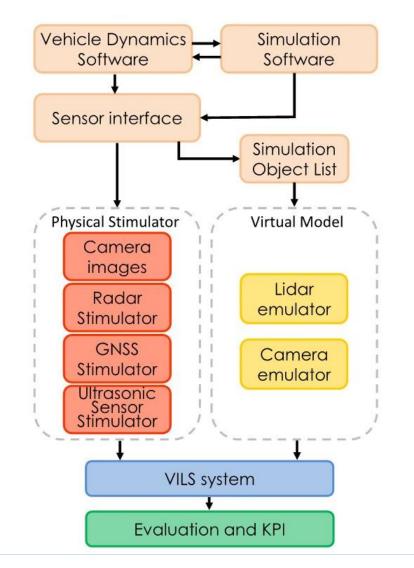
Complex Scenario development





Autonomous Vehicle evaluation platform





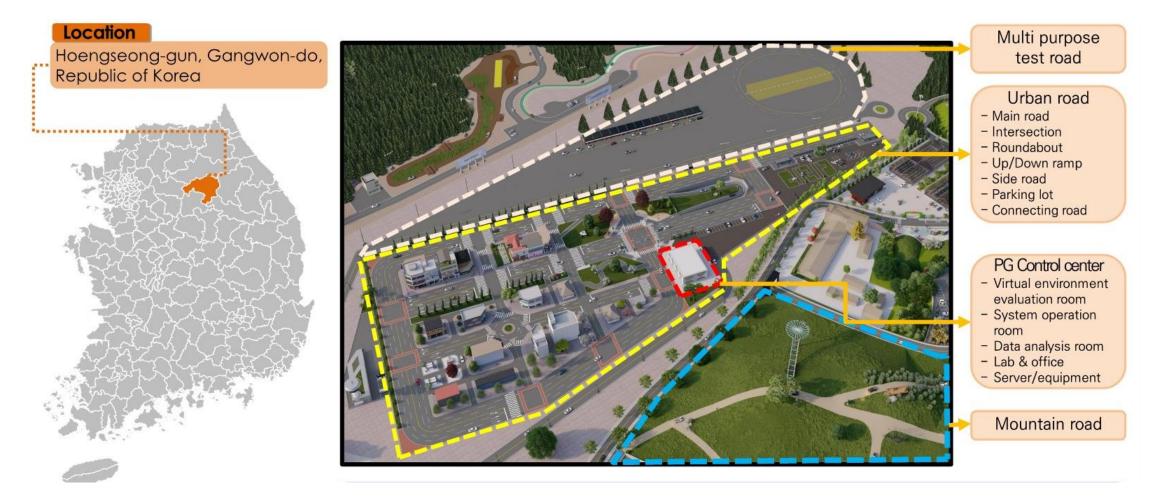


Future research plans and related announcements



4. Future research plans and related announcements

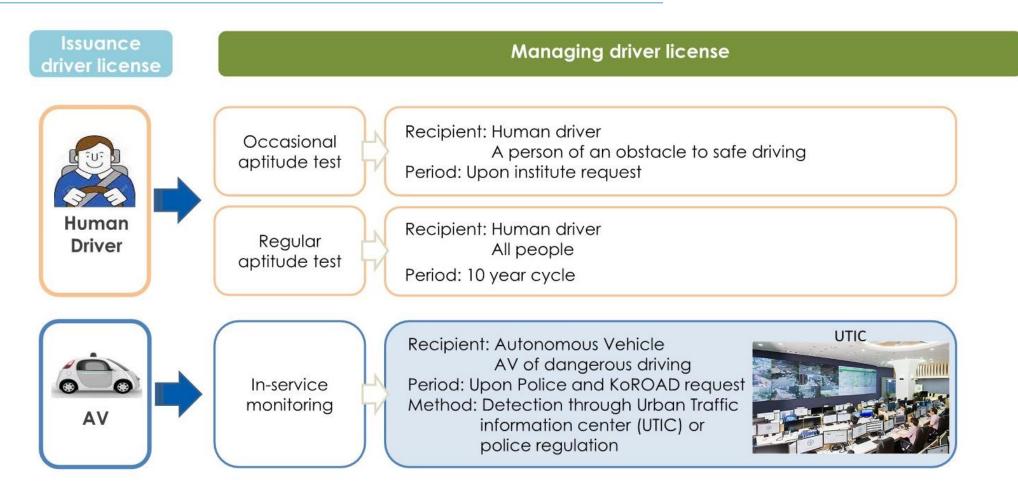
Proving Ground for AV safety driving





4. Future research plans and related announcements

Next research for issuance driver license / managing





4. Future research plans and related announcements

Public Policy Debate on Traffic Safety for Full Autonomous Driving





