Overview

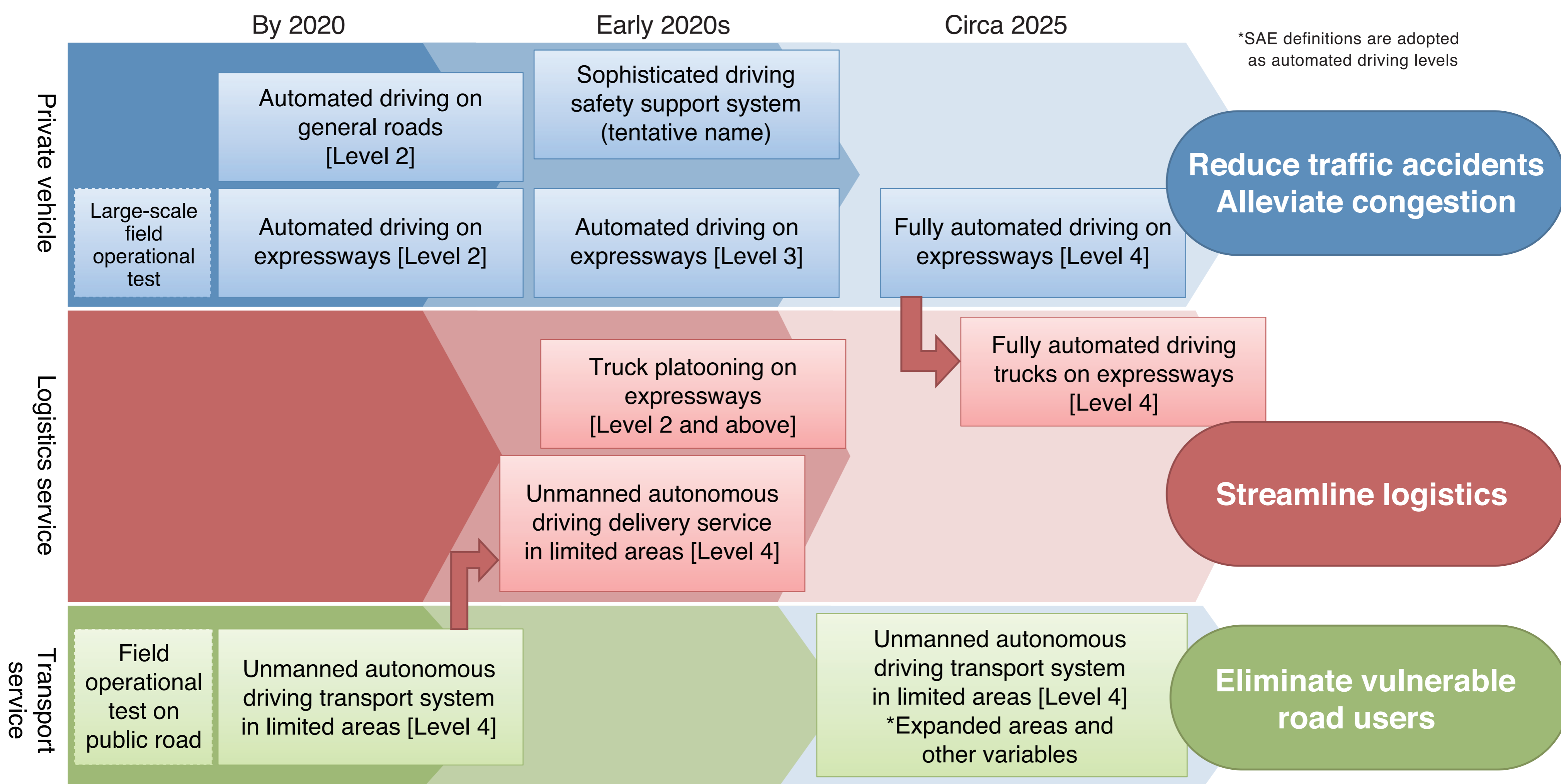## Public-Private ITS Initiative/Roadmap 2017
- Toward implementation of various highly automated driving systems in society -

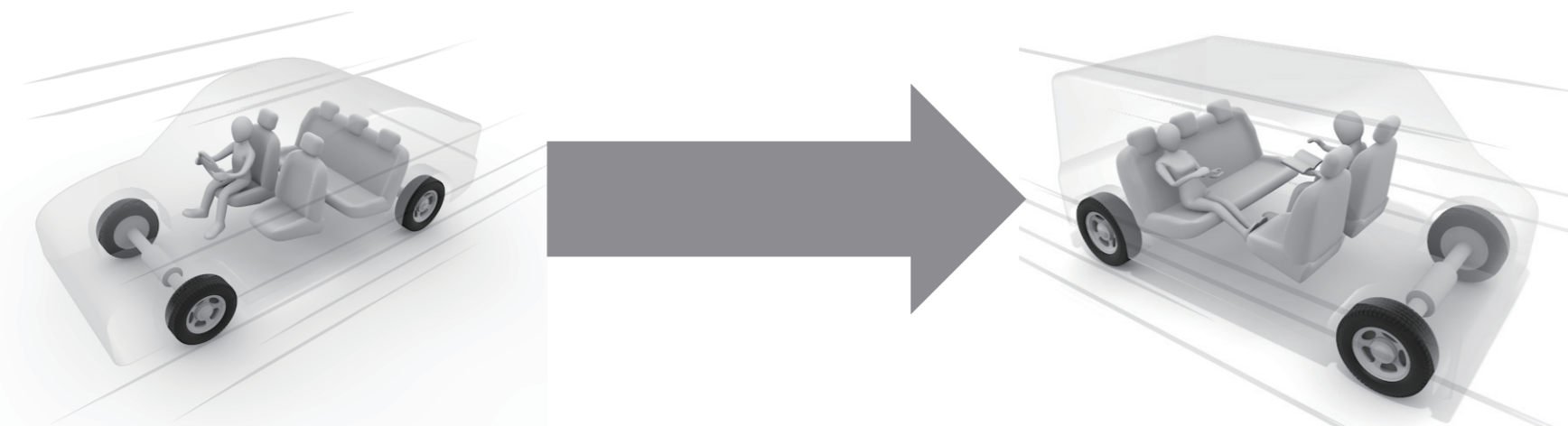### ■ Updated Basic Strategy for Automated Driving Systems

The development of systems with a focus on commercialization and the further fortification of technical capabilities is stated on a priority basis in the 2017 version of this roadmap.

- A scenario for the period up to 2025 has been formulated for private automobiles and commercial automobiles (distribution services and mobility services);

- In order to achieve highly automated driving by 2020, a study for the formulation of an outline of institutional development has commenced (to be completed by the end of fiscal year 2017).

- Strategic orientation for automated driving data in order to prevail in the area of automated driving with onboard artificial intelligence.

■ Scenario for Achieving Automated Driving

By 2020 | Early 2020s | Circa 2025

*SAE definitions are adopted as automated driving levels

Private vehicle
- Automated driving on general roads [Level 2]
- Large-scale field operational test
- Automated driving on expressways [Level 2]
- Sophisticated driving safety support system (tentative name)
- Automated driving on expressways [Level 3]
- Fully automated driving on expressways [Level 4]

Reduce traffic accidents Alleviate congestion

Logistics service
- Truck platooning on expressways [Level 2 and above]
- Unmanned autonomous driving delivery service in limited areas [Level 4]
- Fully automated driving trucks on expressways [Level 4]

Streamline logistics

Transport service
- Field operational test on public road
- Unmanned autonomous driving transport system in limited areas [Level 4]
- Unmanned autonomous driving transport system in limited areas [Level 4] *Expanded areas and other variables
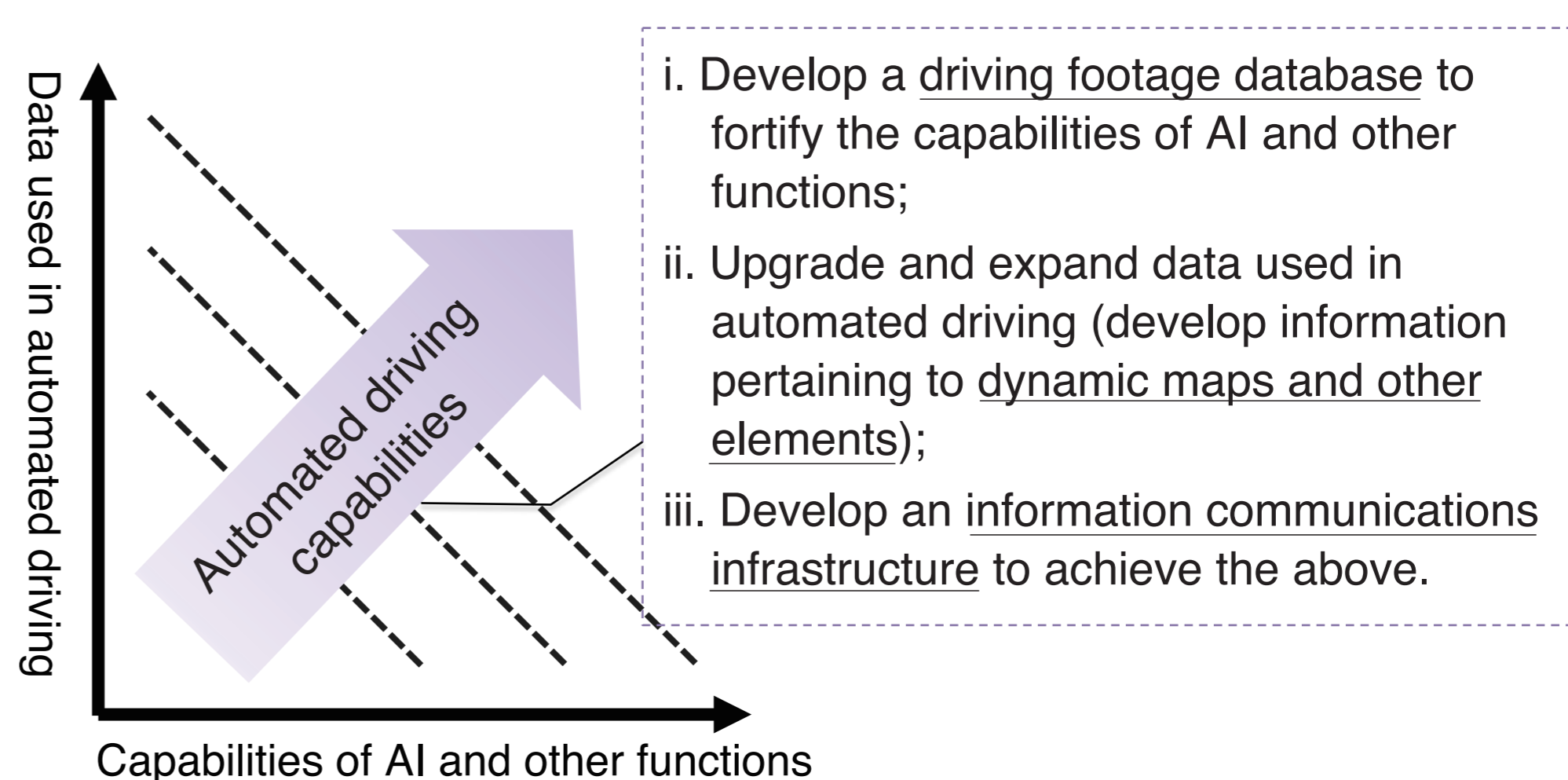
Eliminate vulnerable road users

■ Outline of Institutional Development by the Whole Government

Study by government as a whole:
- Identification of motor vehicles
- Subject to automated driving
- Safety standards
- Traffic rules
- Insurance and other liability-related matters

■ Data Strategy Related to Automated Driving

Data used in automated driving

Capabilities of AI and other functions

Automated driving capabilities

i. Develop a driving footage database to fortify the capabilities of AI and other functions;

ii. Upgrade and expand data used in automated driving (develop information pertaining to dynamic maps and other elements);

iii. Develop an information communications infrastructure to achieve the above.

http://japan.kantei.go.jp/policy/it/itsinitiative_roadmap2017.pdf

SSIP

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