SAE J3016™ LEVELS OF DRIVING AUTOMATION

What does the human in the driver’s seat have to do?

**SAE LEVEL 0**
You are driving whenever these driver support features are engaged — even if your feet are off the pedals and you are not steering.

**SAE LEVEL 1**
You must constantly supervise these support features; you must steer, brake or accelerate as needed to maintain safety.

**SAE LEVEL 2**
You are not driving when these automated driving features are engaged — even if you are seated in “the driver’s seat”.

**SAE LEVEL 3**
When the feature requests, you must drive.

**SAE LEVEL 4**
These automated driving features will not require you to take over driving.

**SAE LEVEL 5**

These are driver support features

**These are automated driving features**

What do these features do?

**Example Features**

- **SAE LEVEL 0**
  - automatic emergency braking
  - blind spot warning
  - lane departure warning

- **SAE LEVEL 1**
  - lane centering
  - adaptive cruise control

- **SAE LEVEL 2**
  - lane centering
  - adaptive cruise control at the same time

- **SAE LEVEL 3**
  - traffic jam chauffeur

- **SAE LEVEL 4**
  - local driverless taxi
  - pedals/steering wheel may or may not be installed

- **SAE LEVEL 5**
  - same as level 4, but feature can drive everywhere in all conditions

For a more complete description, please download a free copy of SAE J3016: [https://www.sae.org/standards/content/J3016_201806/](https://www.sae.org/standards/content/J3016_201806/)