



SAE J3016™ LEVELS OF DRIVING AUTOMATION™

Learn more here: [sae.org/standards/content/j3016_202104](https://www.sae.org/standards/content/j3016_202104)

Copyright © 2021 SAE International. The summary table may be freely copied and distributed AS-IS provided that SAE International is acknowledged as the source of the content.

| | SAE LEVEL 0™ | SAE LEVEL 1™ | SAE LEVEL 2™ | SAE LEVEL 3™ | SAE LEVEL 4™ | SAE LEVEL 5™ |
|--|---|--------------|--------------|--|--|--------------|
| What does the human in the driver's seat have to do? | You are driving whenever these driver support features are engaged – even if your feet are off the pedals and you are not steering | | | You are not driving when these automated driving features are engaged – even if you are seated in “the driver’s seat” | | |
| | You must constantly supervise these support features; you must steer, brake or accelerate as needed to maintain safety | | | When the feature requests, you must drive | These automated driving features will not require you to take over driving | |

Copyright © 2021 SAE International.

| | These are driver support features | | | These are automated driving features | | |
|----------------------------|---|---|---|---|--|---|
| What do these features do? | These features are limited to providing warnings and momentary assistance | These features provide steering OR brake/acceleration support to the driver | These features provide steering AND brake/acceleration support to the driver | These features can drive the vehicle under limited conditions and will not operate unless all required conditions are met | This feature can drive the vehicle under all conditions | |
| Example Features | <ul style="list-style-type: none"> • automatic emergency braking • blind spot warning • lane departure warning | <ul style="list-style-type: none"> • lane centering OR • adaptive cruise control | <ul style="list-style-type: none"> • lane centering AND • adaptive cruise control at the same time | <ul style="list-style-type: none"> • traffic jam chauffeur | <ul style="list-style-type: none"> • local driverless taxi • pedals/steering wheel may or may not be installed | <ul style="list-style-type: none"> • same as level 4, but feature can drive everywhere in all conditions |

The standards referenced are the sole intellectual property of SAE International, which is not affiliated with UNECE.