## SUC/sub-SUC List of Operation Modes: SUC Parking Distance Control (PDC) with Active Braking

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| **Mode Name** | **Operation Mode Description** |
| Disabled | SUC is off (function turned off by the driver) |
| Enabled and Disengaged | SUC is enabled (powered and available), and PDC disengaged (not parking, operating above a threshold speed) |
| Engaged w/o Active Braking | SUC is enabled (powered and available), and PDC engaged (parking, operating at or below a threshold speed) and no Active Braking (e.g. manual override by the driver by pressing the manual brake pedal; no obstacles detected in the direction of movement) |
| Active Braking | SUC is enabled (powered and available), and PDC engaged, and Active Braking (i.e., detected obstacle and vehicle braking automatically applied) |

## System List of Operating Situations/Use Cases (SUC: Parking Distance Control with Active Braking)

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| **Situation** | **Operating Situation/Use Case Description** |
| Vehicle parked | Vehicle is parked (i.e. gear at “P”) |
| Vehicle stationary | Vehicle is fully stopped but not parked (i.e. gear in “D” or “R” or “N” instead of “P”) |
| Vehicle moving fast reverse | Vehicle is moving reverse fast above threshold for parking speed |
| Vehicle moving fast forward | Vehicle is moving forward fast above threshold for parking speed |
| Vehicle moving slowly reverse | Vehicle is moving reverse slowly below or equal to threshold for parking speed |
| Vehicle moving slowly forward | Vehicle is moving forward slowly below or equal to threshold for parking speed |