

| Variable                         | Variable state               | Threshold        |
|----------------------------------|------------------------------|------------------|
| Range [m]                        | Long distance (LD)           | $> 57.33$        |
|                                  | Normal distance (ND)         | $[27.32, 57.33]$ |
|                                  | Close distance (CD)          | $[5.00, 27.32]$  |
| Range rate [m/s]                 | Rapidly closing in (RCI)     | $< -0.90$        |
|                                  | Closing in (CI)              | $[-1.17, -0.21]$ |
|                                  | Keeping (KE)                 | $[-0.21, 0.33]$  |
|                                  | Falling behind (FB)          | $[0.33, 1.29]$   |
|                                  | Rapidly falling behind (RFB) | $> 1.29$         |
| Acceleration [m/s <sup>2</sup> ] | Aggressive acceleration (AA) | $> 0.23$         |
|                                  | Gentle acceleration (GA)     | $[0.06, 0.23]$   |
|                                  | No acceleration (NA)         | $[-0.07, 0.06]$  |
|                                  | Gentle deceleration (GD)     | $[-0.24, -0.07]$ |
|                                  | Aggressive deceleration (AD) | $< -0.24$        |