

## Motorway traffic related VACS – Classification matrix

| VACS  | FUNCTION      |                 |                   |            |                | LEVEL OF AUTONOMY |     |     |     |
|-------|---------------|-----------------|-------------------|------------|----------------|-------------------|-----|-----|-----|
|       | Speed control | Headway control | Lane change/merge | Platooning | Route guidance | Autonomous        | V2V | V2I | V2X |
| AGD   | X             |                 |                   |            |                | X                 |     |     |     |
| ACC   |               | X               |                   | X          |                | X                 |     |     |     |
| CACC  |               | X               |                   | X          |                |                   | X   |     |     |
| CFM   |               | X               | X                 | X          |                |                   | X   |     | X   |
| CM    |               |                 | X                 |            |                |                   | X   | X   |     |
| CVSLS | X             |                 |                   |            |                |                   |     | X   |     |
| FEA   | X             |                 |                   |            |                | X                 |     |     |     |
| FSRA  |               | X               |                   | X          |                | X                 |     |     |     |
| HP    |               | X               |                   | X          |                | X                 |     |     |     |
| IRSA  | X             | X               |                   | X          |                |                   | X   |     | X   |
| ISA   | X             |                 |                   |            |                | X                 |     | X   |     |
| LCDAS |               |                 | X                 |            |                | X                 |     |     |     |
| LSACC |               | X               |                   | X          |                | X                 |     |     |     |
| NAVS  |               |                 |                   |            | X              |                   |     | X   |     |
| VPS   |               |                 |                   | X          |                |                   | X   |     | X   |