

FMC001 Speed Elements

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- In the GPS element, there is a 2-byte speed. - this is speed based on GPS data, it is always included in the packet.

| | | | |
|-------------|----|-----------|-------------|
| GPS Element | 15 | | |
| Longitude | 4 | 253032016 | 0F-14-F6-50 |
| Latitude | 4 | 547146368 | 20-9C-CA-80 |
| Altitude | 2 | 111 | 00-6F |
| Angle | 2 | 214 | 00-D6 |
| Satellites | 1 | 4 | 04 |
| Speed | 2 | 4 | 00-04 |

- If I/O element "Speed" is enabled. In AVL data packets IO element with ID 24 is going to be included. It is a 2-byte I/O element - it is the same speed from GPS, just that it is included as IO element to have the possibility to create events for it.

| | | | |
|------------------|---|-------|-------|
| 2b Element count | 1 | 5 | 05 |
| ID | 1 | 182 | B6 |
| Value | 2 | 0 | 00-00 |
| ID | 1 | 66 | 42 |
| Value | 2 | 15130 | 3B-1A |
| ID | 1 | 24 | 18 |
| Value | 2 | 0 | 00-00 |

- There is a I/O element with ID 37. This is a 1 byte element - it is speed from OBDII data. It is wise to use this element as the base for correct speed readings, as GPS data sometimes might be not very accurate.

