|  |  |
| --- | --- |
| Name: | Speed\_u8SpeedKm |
| Type: | Uint8\_t |
| Range: | 0:180 |
| Description: | Stores the current speed in Km |

|  |  |  |  |
| --- | --- | --- | --- |
| Function name: | Speed\_u8SetSpeed | | |
| Arguments: | Input | U8Speed\_Copy | Uint8\_t |
|  | Holds the speed | | |
|  | Output | **NA** | |
|  |
|  | Input/Output | **NA** | |
|  |
| Return | E\_OK | 0 | |
|  | E\_NOK | 1 | |
| Description: | Responsible for setting the current speed by the input U8Speed\_Copy U8Speed\_Copy | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Function name: | Speed\_u8ChangeSpeed | | |
| Arguments: | Input | U8Option\_Copy | Uint8\_t |
|  | Holds the change type (s++, S--, S+10, S-10, break) | | |
|  | Output | **NA** | |
|  |
|  | Input/Output | **NA** | |
|  |
| Return | E\_OK | 0 | |
|  | E\_NOK | 1 | |
| Description: | Responsible for changing the current speed due to the input | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Function name: | speed\_u8GetSpeed | | |
| Arguments: | Input | **NA** | |
|  |  |
|  | Output | Pu8\_Speed | Uint8\_t\* |
|  | **Description**: passing the speed by address | |
|  | Input/Output | **NA** | |
|  |
| Return | E\_OK | 0 | |
|  | E\_NOK | 1 | |
| Description: | Responsible for get the current speed | | |