

\* data: ipc messages datas, maximo length 100

\* tipo:

\* VECTOR\_IPC: all the other messages

\* STRING\_IPC: String to be sent by uart0.  
 \* REGISTRO\_VEHICLE\_IPC: perfil laço and perfil wim

\* type:

\* type of VECTOR\_IPC, defines which kind of information it contains.

Interessted types:

\* COM\_REGISTRO\_VEHICLE

\* size

\*id\_dest

\*id\_orig

\*ind\_tam

\*msg\_flag

A vehicle weight instance:

\* type = COM\_WEIGH

\* tipo = VECTOR\_IPC

\* data[0] = flag

\* COM\_WIM\_RESULT\_OK: the valid wim result

\* COM\_WIM\_ERRO\_TEMPO\_DOS\_EVENTOS

\* COM\_WIM\_ERRO\_NUM\_EVENTOS

\* COM\_WIM\_SEM\_SENSOR\_CONFIG

\* data[1]

\* data[2]

\* data[3]

\* data[4]: vehicle id HI

\* data[5]: vehicle id LOW

\* data[6]: speed HI (Which speed? Laco or wim?)

\* data[7]: speed LOW

\* data[8]: lane no

\* data[9]: total weight [16..23]

\* data[10]: total weight [8..15]

\* data[11]: total weight [0..7]

\* data[12]: eixo no.

\* data[13]: Category

Add temperature information here. Temperature info save in “wim\_temperatura\_pista” variable.

Add asle weight measured by sensor 1

Add asle weight measured by sensor 2

Add asle weight measured by sensor 3

~~\* data[14]: asle weight HI~~

~~\* data[15]: asle weight LOW~~

\* data[16]: asle distances hi

\* data[17]: asle distance low

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\* data[n]: frame size