



Possible loss of data during type conversion for hardware interface

PROBLEM DESCRIPTION

If physical values are used in ASCET-RP, a type conversion is necessary before these values can be written to a hardware interface (CAN, LIN or ETK). In this case an overflow of the values from ASCET-RP cannot be avoided.

SOLUTION

The RTIO code generator produces warnings for values that could cause such a data overflow. For example:

>> Conversion from 'cont' to 'int', possible loss of data through mapping 'Signal1' to 'Signal1'.

Note: These overflows could strongly affect a running application. Please check all variable assignments reported by the RTIO and ensure that these values are not exceeding their limits.

APPLIES TO PRODUCTS

ASCET-RP, ES1222, ES1223, ES1231, ES1232

ADDITIONAL SEARCH TERMS

Bypass

