



SOLUTIONS FOR THE PROGRAMMING INDUSTRY

WriteNow! Programmer qualifies for automotive safety standard ISO 26262 and IEC61508

Algocraft WriteNow! programmers have been qualified, by a third part laboratory, as ISP universal programmers compliant with automotive projects that require the safety standard ISO 26262 and IEC61508.



The international standard ISO26262 known as “Road vehicles - Functional safety”, defined by the International Organization for Standardization, take care of the functional safety for automotive equipment applicable throughout the lifecycle of all automotive electronic and electrical safety-related systems devices.



The standard ISO 26262 is a reworking of the Functional Safety standard IEC 61508 for Automotive Electric/Electronic Systems.

The validation activity on WriteNow! resulted with the issuing of 2 documents that are available for our partners under request: Tool Chain Classification Report (TCCR) and Tool Safety Manual (TSM).

Tool Chain Classification Report



This is a Tool Chain Classification Report (TCCR). This TCR comprises four integral parts:

- Description of the evaluation method
- Definition of the evaluated tool chain
- Determination of the tool impact
- Determination of the tool classification level

The maximum safety level of this classification is: ASIL D (ISO 26262).

The TCR also contains the binary classification of potential tool errors: critical errors that cannot be detected in this tool chain and uncritical errors with a high probability of mitigation.

Tool Safety Manual

This document is a Tool Safety Manual (TSM) that describes the guidelines on the use of WriteNow! in safety-relevant development projects, such that it is in compliance with safety standards just as [ISO26262] and [IEC61508].

Tool safety is achieved in three steps:

1. *Classification driven by the analysis of the potential errors of the used tools and features*
2. *Qualification1 that may exclude some potential errors*
3. *Safe usage of WriteNow! and update checking of known bugs, as detailed in this TSM.*



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