CertCore26262™
ISO 26262 Automotive Certification Package

Features & Benefits

• Designed to facilitate ISO 26262 Automotive Safety Integrity Level (ASIL) D automotive software safety certifications
• Addresses the need for automotive-specific safety critical electrical and electronic systems
• ISO 26262 safety package options are available for ASIL A to D
• ASIL D independence implemented on all activities independent of project designated ASIL.
• Complete Set of Test Cases and Test Procedures for all software products
  - Robustness of Test Procedures
  - 665+ HLR-based Test Procedures
  - 978+ LLR-based Test Procedures
  - Provides 100% Statement Coverage
• Extensive Technical Support
  - Certification package is adaptable to address customer specific safety requirements
  - ISO26262 audit support available through to final automotive certification
  - Includes final TUV Rheinland audit and final safety compliance reports

Introduction

CoreAVI’s CertCore26262™ is comprised of the certification evidences and data packages that are required to support the automotive and advanced driver assistance systems (ADAS) safety certification of CoreAVI’s graphics and video software products. CertCore26262 includes certification data packages to support ISO 26262 ASIL D safety compliance.

CertCore26262 is developed under the guidance of TUV Rheinland, CoreAVI’s independent ISO safety auditor and delivered to customers with everything required to comply with ISO 26262, including safety manuals, test code, test results, trace matrices and all related documentation. Certification data packages are available CoreAVI’s entire suite of AutoCore™ OpenGL and video driver components:

AutoCoreSC™ (Automotive safety OpenGL graphics drivers)
AutoDecodeCore™ (Automotive H.264 video decode drivers)
AutoEncodeCore™ (Automotive safety H.264 video encode drivers)
AutoHyperCore™ (Automotive safety Hypervisor GPU Manager)
AutoTrueCore™ (Automotive GPU Software Safety Monitor)

CertCore26262 Safety Certification Package

• Safety Manual
• Safety Plan
• Software Development Plan
• Software Verification Plan
• Software Coding, Development and Requirements Standards
• High Level Requirements
• Software Architecture Description
• Low Level Requirements
• Test Cases
• Software Verification Results
• Data and Control Coupling Analysis Report
• Structural Coverage Analysis Report (statement, DC, MC/DC)
• Safety Case