Exam Name - ISO 26262 - CERTIFIED INTERNAL AUDITOR

Exam Code – ISO-26262-CIA

Sample Exam

(Question): Which test is typically performed at a Component Hardware-in-theLoop (HiL) test environment?

(A): Test of the overall system requirements for the vehicle.
(B): Test of the driving behavior of the chassis.
(C): Test of the electronic control unit functions for correct behavior
(D): Test of the data exchange between the electronic control units.

Answer: C

(Question): Who may participate directly as a source of requirements and may also dictate that a specific process be followed?

(A): For integration tests is only the Hardware-in-the-Loop (HiL) test environment suitable.
(B): For component tests a Model-in-the-Loop (MiL) test environment and Software-in-the-Loop (SiL) test environment are both suitable.
(C): For system tests, a Model-in-the-Loop (MiL) and Hardware-in-the-Loop (HiL) test environments are both suitable.
(D): Any XiL test environment can be used on every test level.

(Correct): B

Which statement regarding coding standards is TRUE?

(A): A coding standard defines the necessary test practices
(B): A coding standard defines the necessary test specification languages
(C): A coding standard defines the necessary development practices
(D): A coding standard defines the necessary modelling techniques

(Correct): C

Which of the following statements is NOT a description of a fault injection test?

(A): Fault injection tests insert faults in the behavior of external components to detect that the system can deal with erroneous situations
(B): Fault injection tests insert faults in internal interfaces, e.g. as lost messages.
(C): Fault injection tests insert faults in the system specification, e.g. as too low parameters for the required performance.
(D): Fault injection tests insert faults in the operating unit that show as internal defects.

(Correct): C