Abstract

The automotive embedded software is changing frequently whenever the specification for hardware is modified. These cause to spend time and cost. By considering these factors of complexity we are going to develop one model on which one control unit can handle multiple functions of the automotive system consider the car as the automotive system. To
resolve these problems, we are developing this model which can be based on the idea of the (Automotive Open System Architecture) i.e. AUTOSAR which is open and standardized automotive software architecture, jointly developed by automobile manufacturers, suppliers and tool developers. Using this standard will serve as a platform upon future vehicle applications will be implemented and will also serve to minimize the current barriers between functional domains. In this paper we are going to compare testing level of the different functions i.e. fuel, temperature, pressure, controlling the antilock brake system using the single control unit.

Reference


Index Terms

Computer Science Information Technology
Key words

Validation
Verification

Automotive System
Test

Anti Lock Brake System