Automotive system is a distributed control system to realize a variety of functions with electronic components in the vehicle.

• Multimedia control function ................. MOST
• Braking control function ...................... CAN
• Body control function ......................... LIN
• Adaptive cruise function ...................... FlexRay

How to check the communication between different protocols of subsystems?

We proposed a framework to verify the communication between two environments by a gateway. One environment represents a protocol subsystem with arbitrary topology and the number of nodes. Messages can be sent at any time. The gateway receives messages from an environment and forwards messages to other environments.