Transport goods worth about $53 billion were moved each day in 2015. Financially motivated attacks.

Emergency vehicle response time is critical. Personally motivated attacks. Commercially motivated attacks.

No significant deviation in both features. Average drop:

Source:SAE J1939, a common standard, can have large source address.

Enhanced reliability, quality and safety.

Messages composed and interpreted. Nodes can distinguish such behavior from attacks.

Direct access to critical ECUs via CAN bus. Node stops functioning.

Can distinguish such behavior from attacks.

Our application realizes states from network traffic. 

Remote access.

Vehicle states are distinct combinations of parameter instances. 

Engine and retarder controller. Braking, malicious message injections etc.

Military vehicles are mission critical. Emergency vehicle response time is.

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