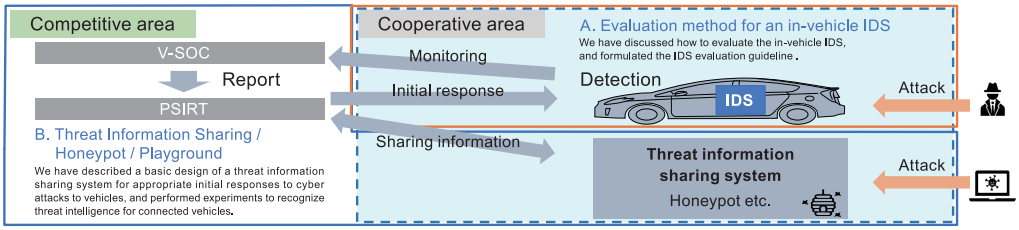
SIP-adus Workshop 2022

Threat Information Sharing and Proactive Survey Methodologies

Background and Research Scope

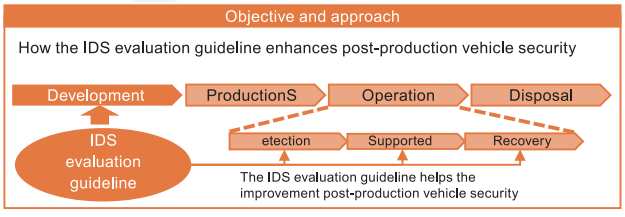
Toward the realization of the connected car society, the detection of cyber attacks to vehicles and the recognition of threat intelligence for connected systems are crucial.

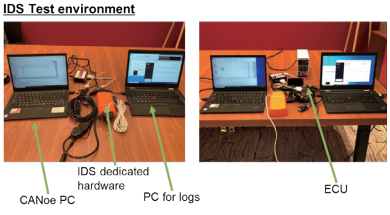


A. Evaluation method for an in-vehicle IDS

An in-vehicle IDS detects cyber attacks to vehicles, and therefore its evaluation is important.
We have discussed how to evaluate the in-vehicle IDS, and formulated the IDS evaluation guideline.

The IDS evaluation guideline describes; the fundamental requirements, testing methods, and basic test cases for the in-vehicle IDS.





B. Threat Information Sharing / Honeypot / Playground

We have described a basic design of threat information sharing systems to enhance capability for post-shipment security measures against attacks to connected servers and vehicles.