WP3 – SeVeCom Task 1

EASIS, AUTOSAR – internal vehicle protection

Cosenza Stefano

Some considerations…

EASIS points to ISS → integrated safety systems

These systems will use functions/applications running across several domains: chassis, powertrain, body and telematics.

→ISS will require the interchange of information between domains through a specific module: a gateway.

Very heterogeneous networks:

      event-triggered versus time-triggered;

      safety-critical versus non-safety-critical;

      secure versus non-secure.

ISS will require the information exchange with external applications, for instance, in telematics services → security problems

EASIS Router

AUTOSAR: "The professed goals are modularity, scalability, transferability and re-usability of functions to provide a standardized platform for automative systems. This will enable system wide configuration and optimization to meet runtime requirements of automotive devices." Wikipedia
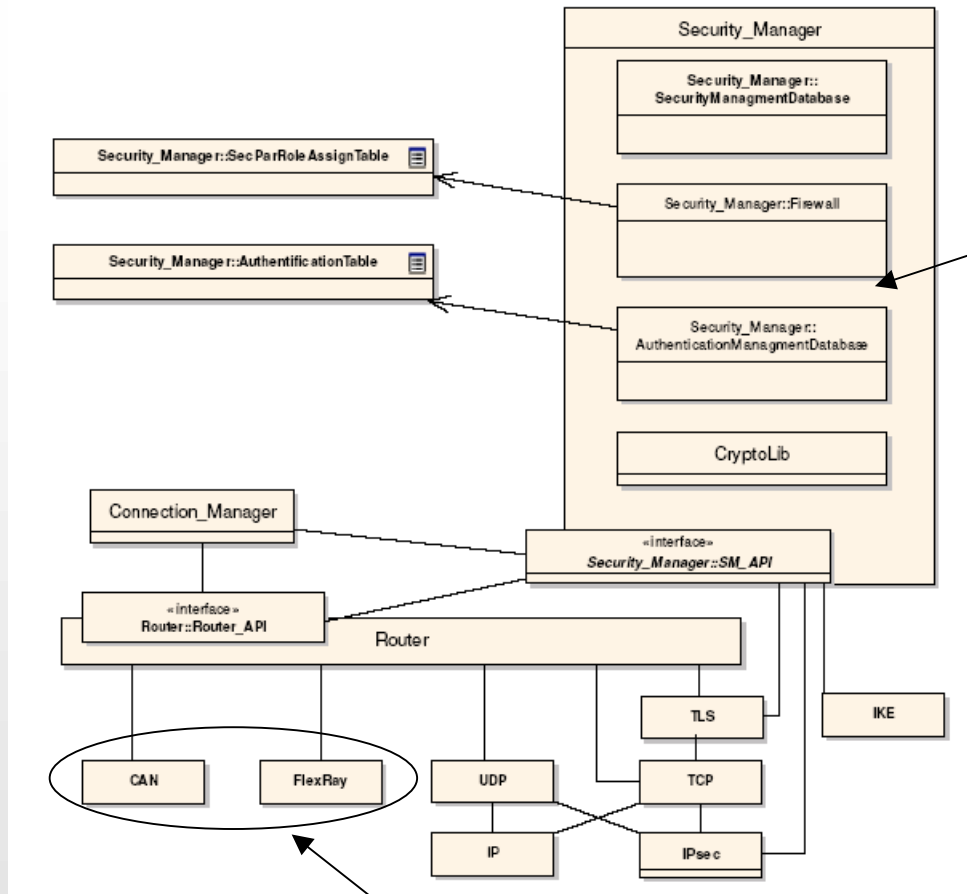

AUTOSAR
http://www.autosar.org
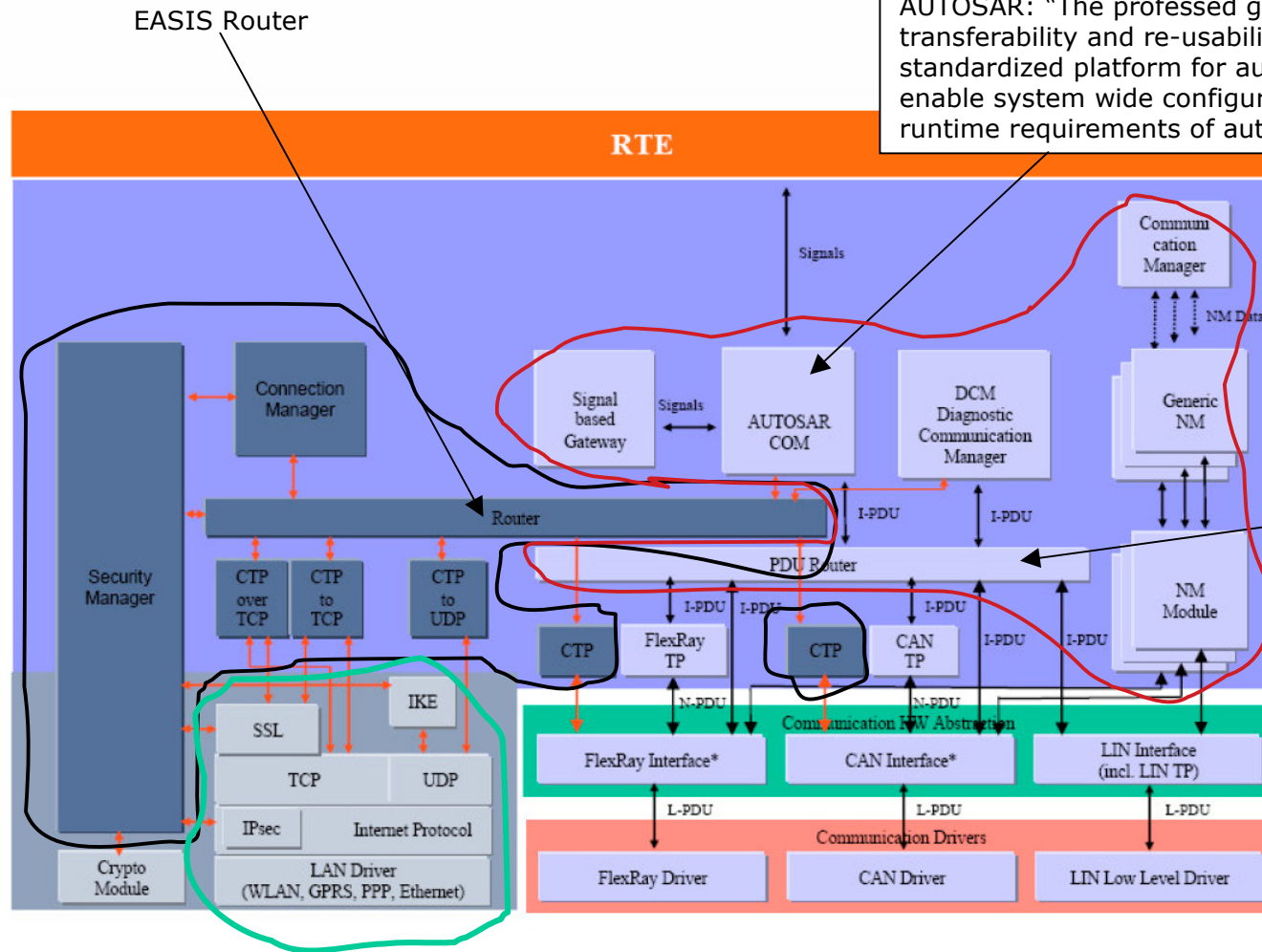
EASIS

AUTOSAR Router

External communication protocol

3

Description of the security components!

Internal vehicle communication protocols

As suggested by BOSCH, next step could be:

evaluation of what done in EASIS;

Evaluation of possibility to use in SeVeCom

collaboration with BOSCH to define the fields of application;

Technical and technological specification;

How and what is necessary to use EASIS results;

...

what else???