

D35.4 Cyber defence capacity

PUBLIC SUMMARY ONLY (PS)

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1 Public summary

Nowadays, medium to large-sized public transport networks in developed countries feature a large number of information and communication technologies to accomplish the double objective of: simplifying the operation and maintenance of a live transportation network, and also providing a comfortable and pleasant service to the passengers.

These systems share large amounts of information, being most of critical nature, i.e. without whom the whole operation could be severely compromised.

The growing concern on cyber-security, and specifically on the dangers of large scale cyber-attacks, also includes reference to transport networks, namely on how they can endanger and affect passengers' security and safety in public transports, and the overall impact on the normal functioning of modern cities.

However, there are no cyber-security tools specifically tailored to comprehensively increase the protection of this kind of critical infrastructures.

Although some general-purpose cyber-security tools may be adapted to the public transportation area, there are some specific gaps that need to be fulfilled.

For that purpose, an intrusion detection capacity, using specifications of the business processes of transport operators was developed.

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