

D32.1 Comprehensive solution for protection of passenger facilities

PUBLIC SUMMARY ONLY (PS)

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Note: this document reports only the Public Summary of a non-public document. The full document identification is noted here below for information.

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1 Public summary

The goal of WP32 within SECUR-ED is to provide solutions for enhancing the security and resilience in the transport facilities, so that they can enhance the safety of all the passengers.

The different elements that have been identified as vulnerable are the following:

- Facilities in case of blast assessment
- Crowded spaces in case of terrorist attacks.

Those vulnerabilities can be mitigated by:

- Enhancing the protection of sensitive area
- Separating at maximum the sensitive areas
- Preventing access to sensitive areas
- Using video analytics to detect abnormal behaviors
- Improving communication systems by focusing on the best media to transmit the dedicated information
- Improving interoperability with existing Public Telecom operator
- Using CBRNE identification devices to detect threats.

Those new functionalities can be integrated in the legacy systems with limited efforts and can be designed to be interoperable.

However, as the flow of transiting people is really important and it is not tolerable to stop the transports if there is no real threat, one cannot ignore the false alarm rate those functionalities can generate.

The solution proposed in this case is to fuse the different results sent by those functionalities in order to have a more robust answer and, consequently, a more secure and effective system.