

SAFESPOT INTEGRATED PROJECT - IST-4-026963-IP

DELIVERABLE



SP6 – BLADE – SP Business models, Legal Aspects, and DEployment

Mitigation of risks

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Authors (per company, if more than one company provide it together)		CRF, CSST, Thomas Miller, TNO	
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EXECUTIVE SUMMARY

SAFESPOT(Cooperative Systems for Road Safety “Smart Vehicles on Smart Roads”) is an integrated research project co-funded by the European Commission Information Society Technologies among the initiatives of the 6th Framework Program. Its aim is to prevent road accidents developing a Safety Margin Assistant (an intelligent Cooperative System based on V2V and V2I communication) that detects in advance potentially dangerous situations and that extend drivers awareness of the surrounding environment.

BLADE (Business models, Legal Aspects and DEployment) is one of the subprojects. The main objective of BLADE is to prove the architecture feasibility from a business perspective. To reach this objective several aspects (organizational, legal, responsibilities, regulations, economical) are researched. The final result of this SP will be a complete and sustainable Deployment Plan (all the results will be integrated).

Inside this subproject there is an activity articulated into six phases, which scope is to identify/evaluate the risks, define the strategies to lower/avoid them and define some guidelines/recommendations for the different stakeholders.

This Deliverable (as a sort of appendix of Deliverable 6.4.1) synthesize the work done in the third phase, whose scope is to define the mitigation strategies for reducing the potential impact, the probability of occurrence and the transfer of risks.

It's been necessary to identify a new mitigation strategies' definition approach, able to manage and simplify the complexity embedded in a cooperative system. In such a system, compared with ADAS, new stakeholders get involved, with new roles and more complex levels of relationship to analyze. To best structure it, three useful approaches have been selected from literature: Raid, Cybermove and In car game. These methodologies helped defining that a mitigation strategies' workshop needed to be organised.

The whole activity, aimed at identifying a few key high level strategies and their main actors, can be divided into three main steps:

- Workshop preparation (identification of measures);
- Workshop (definition of mitigation strategies)
- Workshop's results analysis (definition of high level strategies)

In the first phase, for each of the risks previously defined (Constraint Analysis: identification of risks) and included in the 7 categories (user related risks, deployment and operation related risks, organizational related risks, political related risks, legal related risks, economical related risks and technology related risks), some measures have been identified.

In the second phase (Workshop) the measures have been discussed and elaborated. New elements for the analysis were introduced: Problem Owner, Problem Solver and Issue.

In the last phase mitigation strategies have been synthesized in order to define some high level strategies (as sum of measures) and the relationship between the measures/risks categories and the strategies defined, giving some indications on the stakeholders involved.

This Deliverable's results are an important starting point for the proper deployment of applications in SAFESPOT, even if other issues are still to be discussed. This will be done in the next 3 steps: Stakeholder consultation, Preliminary recommendations and

Consolidated recommendations, where mitigation strategies will be converted into “recommendations”.