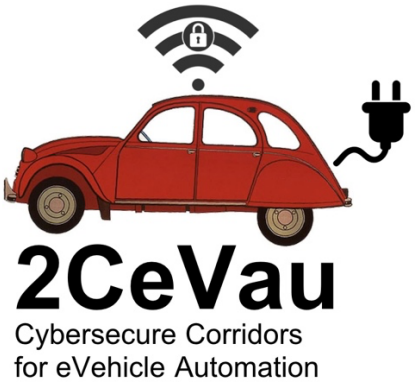
2CeVau - ACTIVITY 5



Cybersecure Corridors for eVehicle Automation

Abstract

2CeVau (Cybersecure Corridors for eVehicle Automation) is a CEF Telecommunication Sector funded project. 2CeVau will develop cybersecurity capabilities for connected vehicles in the context of a complete risk and hazard analysis (threats, vulnerabilities, attacks and countermeasures) focusing on use cases for the “Thessaloniki, Sofia, Belgrade (GR-BG-SRB)” 5G cross-border corridor. It will examine the corridor as a unified set of services, hardware and software components with possible multi-standard, multinational variations exposed to cyber threats. Following this analysis, it will develop a Security Assessment Tool that will increase preparedness for relevant software and hardware components and will facilitate CSIRTs to assess, audit and report security issues for the 5G corridor.

This project has received funding from the Connecting Europe Facility (CEF) – Telecommunication Sector under grant agreement no. INEA/ /CEF/ICT/A2018/1807631, Action No: 2018-EL-IA-0115.

Milestone & Title:	M12 - “Report on ISAC-related activities of the 2CeVau project.”
Activity:	ACT 5
Task:	-
Due Date:	31 July 2021
Dissemination Level:	PU
Deliverable Type:	R

Authoring and review process information	
EDITOR Leonidas Marantis / UPRC	**DATE** 28/07/2021
CONTRIBUTORS Leonidas Marantis / UPRC Athanasios Kanatas / UPRC Konstantinos Maliatsos / UPRC	**DATE** 22/07/2021 24/07/2021 26/07/2021
REVIEWED BY Konstantinos Maliatsos Athanasios Kanatas	**DATE** 27/07/2021 27/07/2021
LEGAL & ETHICAL ISSUES COMMITTEE REVIEW REQUIRED?	
NO	

This project has received funding from the Connecting Europe Facility (CEF) – Telecommunication Sector under grant agreement no. INEA/ /CEF/ICT/A2018/1807631, Action No: 2018-EL-IA-0115.

Document/Revision history

Version	Date	Partner	Description
V0.1	22/07/2021	UPRC	First draft
V0.2	24/07/2021	UPRC	Second draft
V0.3	26/07/2021	UPRC	Third draft
V0.4	27/07/2021	UPRC	Review
V0.5	28/07/2021	UPRC	Final draft

Executive Summary

This report, entitled “Report on ISAC-related activities of the 2CeVau project” specifies the activities that were carried out by the project partners in order to participate in events organised by the ISAC’s facilities.

2CeVau: “Cybersecure Corridors for eVehicle Automation” is a CEF Telecommunication Sector funded project. 2CeVau develops cybersecurity capabilities for connected vehicles in the context of a complete risk and hazard analysis (threats, vulnerabilities, attacks and countermeasures) focusing on use cases for the “Thessaloniki, Sofia, Belgrade (GR-BG-SRB)” 5G cross-border corridor. It examines the corridor as a unified set of services, hardware and software components with possible multi-standard, multinational variations exposed to cyber threats. Following this analysis, it will develop a Security Assessment Tool that will increase preparedness for relevant software and hardware components and will facilitate CSIRTs to assess, audit and report security issues for the 5G corridor.

The 2CeVau consortium consists of three eligible partners, involving two prestigious ICT research institutes, i.e. University of Piraeus Research Center – UPRC and Institute of Communication and Computer Systems - ICCS and the Hellenic Ministry of Digital Governance (HMDP). 2CeVau is a 24-month project divided in 5 major Activities.

The description of the work in this report is categorized in Activity 5: “Dissemination and Exploitation Activities”.

This project has received funding from the Connecting Europe Facility (CEF) – Telecommunication Sector under grant agreement no. INEA/ /CEF/ICT/A2018/1807631, Action No: 2018-EL-IA-0115

ISAC-related Activities by the 2CeVau project

Since the ISAC for CCAM has not been established, in the two-year duration of the 2CeVau project, members of the consortium participated in ISAC-related conferences and workshops. More specifically, the project members that participated in the events were:

- Professor Athanasios Kanatas, project manager for the 2CeVau project.
- Assistant Professor Konstantinos Maliatsos, technical manager of the 2CeVau project.

The ISAC-related events that were attended were:

- Empowering EU-ISACs Kick-off Conference (29 June 2020),
- Thematic Workshops EU ISACs (13 July 2020),

Both events were held on-line due to the Covid-19 outbreak. In the attached files you may find:

- Screenshots from registrations for the two events (attachment 6 and attachment 7).
- Screenshots from presentations from the two events.

Prof. Kanatas and Prof. Maliatsos will also attend the forthcoming “2nd EU ISAC Conference” to be held on-line on 26th of October 2021. Despite the fact that 2CeVau will be concluded then, we will be happy to also provide feedback for the event.

Participation in these two events has provided useful lessons and insights. More specifically:

- The role of ISACs and the roles within the ISAC,
- Steps for setting up an ISAC and how ISACs fit into the current EU cooperation,
- Information sharing insights (why should I share, what’s in it for you, etc.),
- Types and examples for information sharing,
- The concept of one generic IT platform for ISAC enablement.
- The experience from operating ISACs (PISAX, EE, Rail).
- The EU cybersecurity capabilities and future steps.

This project has received funding from the Connecting Europe Facility (CEF) – Telecommunication Sector under grant agreement no. INEA/ /CEF/ICT/A2018/1807631, Action No: 2018-EL-IA-0115.

Through these events, we were able to improve our already established relationship with ENISA, as well as establish contacts with Intrasoft, a company that was founded and partially located in Greece. Intrasoft is actively involved in ISACs and also granted with a contract under the call “Cybersecurity digital service infrastructure establishment of a core service platform cooperation mechanism for Information Sharing and Analysis Centres (ISACs) facilities manager”. Thus, after their presence to the events, we were able to contact them in an attempt to find some common ground for future collaboration in cybersecurity and information sharing for enhanced security.

The 2CeVau partners have not yet joined an ISAC, since the existed European ISACs (https://www.isacs.eu/european-isacs) does not fit the scientific and academic expertise or research interests of the partners. However, our involvement in the specific CEF call and the aforementioned events, increased our will to be involved in ISACs that may be developed in the sector of CCAM, Intelligent Transportation Systems, Automotive, Digital Service Providers, Telecommunications, Digital Infrastructure and Health. The participation in an ISAC provides great benefits to member since it provides access to threat intelligence and threat information, establishes a platform for secure peer-to-peer and community collaboration, and offers shared access to useful services and resources.

This project has received funding from the Connecting Europe Facility (CEF) – Telecommunication Sector under grant agreement no. INEA/ /CEF/ICT/A2018/1807631, Action No: 2018-EL-IA-0115.