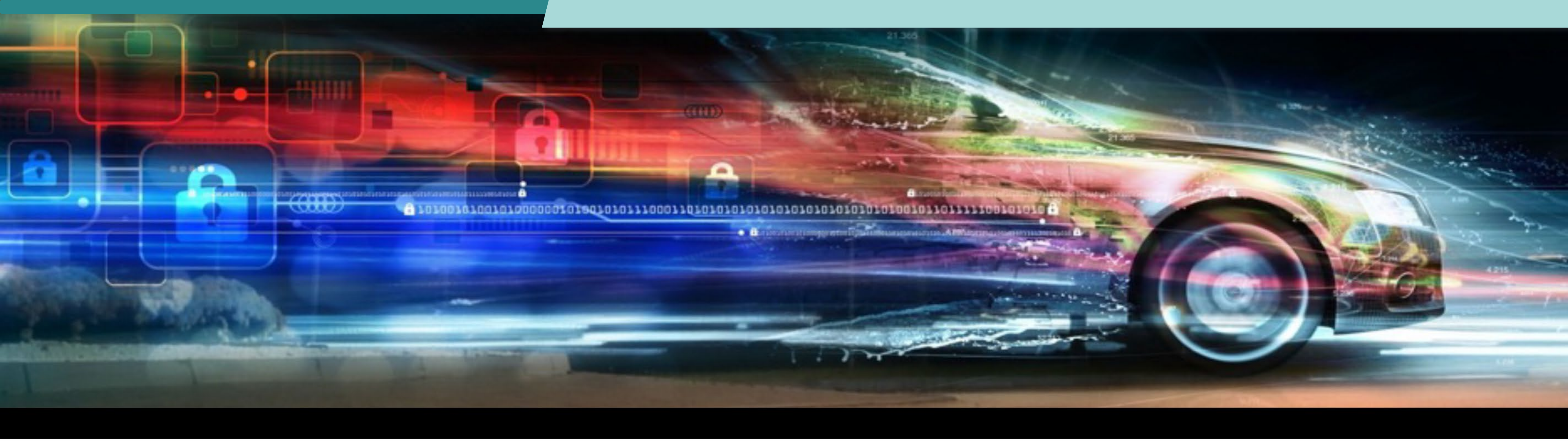


Welcome to Auto-ISAC!

Monthly Virtual Community Call

September 14, 2022

This Session will be recorded.

TLP:WHITE

AUTO-ISAC
Automotive Information Sharing and Analysis Center

DHS Traffic Light Protocol (TLP) Chart

COLOR	WHEN SHOULD IT BE USED?	HOW MAY IT BE SHARED?
TLP:RED 🔴 ● ● Not for disclosure, restricted to participants only.	Sources may use TLP:RED when information cannot be effectively acted upon by additional parties, and could lead to impacts on a party's privacy, reputation, or operations if misused.	Recipients may not share TLP:RED information with any parties outside of the specific exchange, meeting, or conversation in which it was originally disclosed. In the context of a meeting, for example, TLP:RED information is limited to those present at the meeting. In most circumstances, TLP:RED should be exchanged verbally or in person.
TLP:AMBER ● 🟡 ● Limited disclosure, restricted to participants organizations.	Sources may use TLP:AMBER when information requires support to be effectively acted upon, yet carries risks to privacy, reputation, or operations if shared outside of the organizations involved.	Recipients may only share TLP:AMBER information with members of their own organization, and with clients or customers who need to know the information to protect themselves or prevent further harm. Sources are at liberty to specify additional intended limits of the sharing; these must be adhered to.
TLP:GREEN ● ● 🟢 Limited disclosure, restricted to the community.	Sources may use TLP:GREEN when information is useful for the awareness of all participating organizations as well as with peers within the broader community or sector.	Recipients may share TLP:GREEN information with peers and partner organizations within their sector or community, but not via publicly accessible channels. Information in this category can be circulated widely within a particular community. TLP:GREEN information may not be released outside of the community.
TLP:WHITE ○ ○ ○ Disclosure is not limited.	Sources may use TLP:WHITE when information carries minimal or no foreseeable risk of misuse, in accordance with applicable rules and procedures for public release.	Subject to standard copyright rules, TLP:WHITE information may be distributed without restriction.

From: https://www.us-cert.gov/tlp

Agenda

Time (ET)	Topic
11:00	**Welcome** ➢ Why We're Here ➢ Expectations for This Community
11:05	**Auto-ISAC Update** ➢ Auto-ISAC Activities ➢ Heard Around the Community ➢ What's Trending
11:15	***DHS CISA Community Update***
11:20	**Featured Speaker:** ➢ **Tim Weisenberger, *Program Manager, SAE International*** ➢ **Title: *"SAE EV Charging Public Key Infrastructure Program"***
11:45	**Around the Room** ➢ Sharing Around the Virtual Room
11:55	**Closing Remarks**

Welcome - Auto-ISAC Community Call!

Purpose: **These monthly Auto-ISAC Community Meetings are an opportunity for you, our Members & connected vehicle ecosystem Partners, to:**

- ✓ ***Stay informed of Auto-ISAC activities***
- ✓ ***Share information on key vehicle cybersecurity topics***
- ✓ ***Learn about exciting initiatives within the automotive community from our featured speakers***

Participants: **Auto-ISAC Members, Potential Members, Strategic Partners, Academia, Industry Stakeholders and Government –** ***the whole of the automotive industry***

Classification Level: **TLP:GREEN - May be shared within the Auto-ISAC Community and "off the record"**

How to Connect: **For further info, questions or to add other POCs to the invite, please contact us!**
(sharmilakhadka@automotiveisac.com)

ENGAGING IN THE AUTO-ISAC COMMUNITY

AUTO-ISAC
Automotive Information Sharing and Analysis Center

❖ Join

- ❖ If your organization is eligible, apply for Auto-ISAC Membership
- ❖ If you aren't eligible for Membership, connect with us as a Partner
- ❖ Get engaged – *"Cybersecurity is everyone's responsibility!"*

❖ Participate

- ❖ Participate in monthly virtual conference calls (1st Wednesday of month)
- ❖ If you have a topic of interest, let us know!
- ❖ Engage & ask questions!

22 *OEM Members*

21 *Navigator Partners*

❖ Share – *"If you see something, say something!"*

- ❖ Submit threat intelligence or other relevant information
- ❖ Send us information on potential vulnerabilities
- ❖ Contribute incident reports and lessons learned
- ❖ Provide best practices around mitigation techniques

47 *Supplier & Commercial Vehicle Members*

19 *Innovator Partners*

Membership represents **99%** *of cars and trucks on the road in North America*

Coordination with **26** *critical infrastructure ISACs through the National Council of ISACs (NCI)*

2022 - 2023 Board of Directors

Executive Committee (ExCom)

Josh Davis
Chair *of the*
Board of the Directors
Toyota

Kevin Tierney
Vice Chair *of the*
Board of the Directors
GM

Jenny Gilger
Secretary *of the*
Board of the Directors
Honda

Tim Geiger
Treasurer *of the*
Board of the Directors
Ford

Todd Lawless
Chair *of the*
Advisory Board
Continental

2022-2023 Advisory Board (AB) Leadership

Todd Lawless
Chair *of the*
Advisory Board
Continental

Bob Kaster
Vice Chair *of the*
Advisory Board
Bosch

Allen Houck
Chair *of the SAG*
NXP

Larry Hilkene
Chair *of the CAG*
Cummins

Member Roster
As of September 2022

Highlight = Change

69 Members, 8 in Progress

Aisin	Garrett	Mazda	Stellantis
Allison Transmission	General Motors (Cruise-Affiliate)	Mercedes-Benz	Subaru
Aptiv	Geotab	Meritor	Sumitomo Electric
Argo AI, LLC	Harman	Mitsubishi Electric	Tokai Rika
AT&T	Hitachi	Mitsubishi Motors	Toyota (Woven Planet-Affiliate)
AVL List GmbH	Honda	Mobis	TuSimple
Blackberry Limited	Hyundai	Motional	Valeo
BMW Group	Infineon	Navistar	Veoneer
BorgWarner	Intel	Nexteer Automotive Corp	Vitesco
Bosch (Escrypt-Affiliate)	John Deere Electronic	Nissan	Volkswagen
Canoo	Kia	Nuro	Volvo Cars
Continental (Argus-Affiliate)	Knorr Bremse	NXP	Volvo Group
Cummins	Lear	Oshkosh Corp	Waymo
Denso	LGE	PACCAR	Yamaha Motors
e:fs	Lucid Motors	Panasonic (Ficosa-Affiliate)	ZF
Faurecia	Luminar	Polaris	
Flex	Magna	Qualcomm	
Ford	MARELLI	Renesas Electronics	

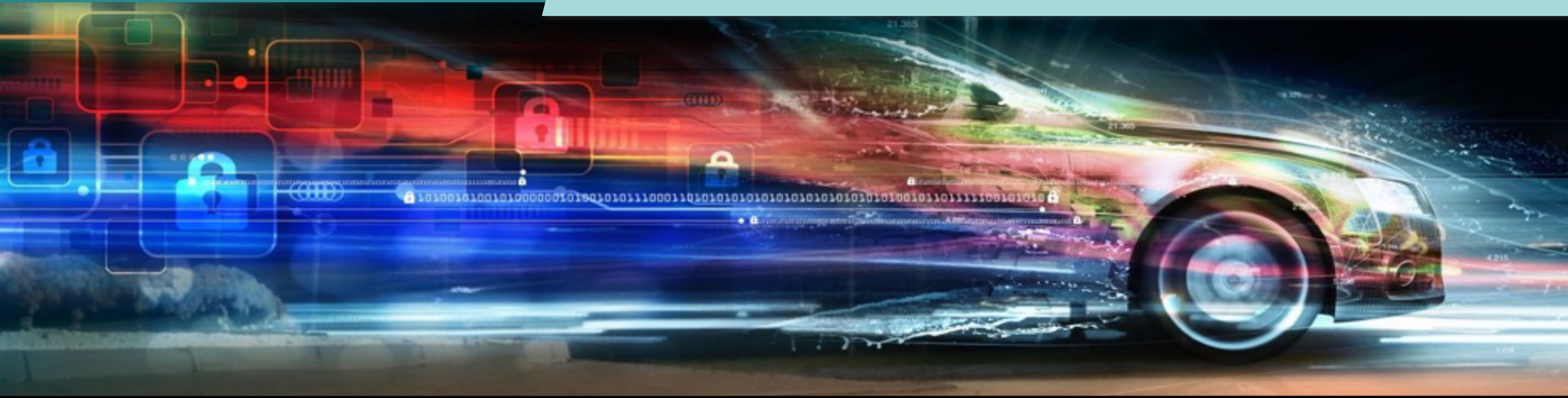
Eight Pending: Thyssenkrupp; Cymotive; AAM, Ferrari, ChargePoint; Nuspire, KTM

Upcoming Events

- Upcoming Meetings
  - Community Call:
    - Wednesday, October 5th – Speaker: TBA Title: "*TBA*" Time: *11 – 12:00 p.m.* TLP:WHITE
  - European Workshop:
    - Tuesday, October 11th, Working with Partners (Open to partners)
    - Wednesday, October 12th, Automotive Scoring of Vulnerabilities and Vulnerability Monitoring (Members Only)

Announcements:

- **ACT Program Advanced Courses –** Beta Advanced registration is open. Beta Advanced classes start September 19th. Contact **Tamara Shoemaker**.
- **NHTSA Updates Cybersecurity Best Practices for New Vehicles** https://www.nhtsa.gov/sites/nhtsa.gov/files/2022-09/cybersecurity-best-practices-safety-modern-vehicles-2022-tag.pdf
- **CISA Releases its First Strategic Plan** https://www.cisa.gov/strategy
- **CYBER INCIDENT REPORTING FOR CRITICAL INFRASTRUCTURE ACT OF 2022 (CIRCIA)** https://www.cisa.gov/circia



Auto-ISAC Intelligence

TLP:WHITE

AUTO-ISAC
Automotive Information Sharing and Analysis Center

Auto-ISAC Intelligence

- Know what we track daily: subscribe to the DRIVEN; know our strategic view of the cyber threat environment: read the TLP:GREEN Threat Assessment in our 2021 Annual Report
  - **Send feedback**, contributions, or questions to analyst@automotiveisac.com

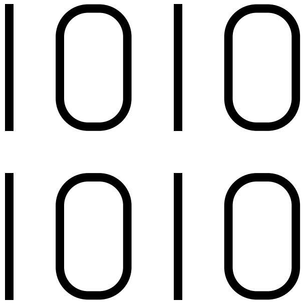
- Intelligence Notes
  - Geopolitical tension remains extremely high in and near Ukraine after the country's recent counteroffensive against Russian occupation forces. Many Russian soldiers retreated to other parts of Ukraine in response but continue to monitor Russia's actions/official statements today and in the coming days (Washington Post, PBS). Though unpredictable, the cyber threat Russia poses to global critical infrastructure should not be dismissed (CISA Shields Up, Trustwave, CISA-Technical Approaches to Uncovering and Remediating Malicious Activity).
  - Cybercriminal Groups Targeting Automotive: DESORDEN, RansomEXX, Black Basta.
  - Notable Incidents: Yandex Taxi app exploited (Hackread); Ransomware operators accessed UK water supplier's industrial network via IT (Vice); NATO data stolen/leaked (BleepingComputer).
  - Notable Tactics Techniques and Procedures: multi-factor authentication bypass (The Stack, Microsoft, Engadget); exploiting open redirect vulnerabilities (Inky); intermittent encryption to evade detection (SentinelLabs); leveraging NTRUEncrypt public key encryption algorithm (BleepingComputer); backdooring Mimi app (The Hacker News); leveraging Dark Utilities C2aaS (Talos).

CISA RESOURCE HIGHLIGHTS

Stop Ransomware: Vice Society

Regardless of industry, service providers need to monitor threats.

The Federal Bureau of Investigation (FBI), the Cybersecurity and Infrastructure Security Agency (CISA), and the Multi-State Information Sharing and Analysis Center (MS-ISAC) have released a joint CSA to disseminate IOCs and TTPs associated with Vice Society actors identified through FBI investigations as recently as September 2022.



Threat Actors Exploiting Multiple CVEs Against Zimbra Collaboration Suite

CISA and the Multi-State Information Sharing & Analysis Center (MS-ISAC) published a joint Cybersecurity Advisory (CSA) in response to active exploitation of multiple Common Vulnerabilities and Exposures (CVEs) against Zimbra Collaboration Suite (ZCS), an enterprise cloud-hosted collaboration software and email platform.

CISA and the MS-ISAC recommend organizations upgrade to the latest ZCS releases as noted on Zimbra Security – News & Alerts and Zimbra Security Advisories

Adopt zero-trust principles and architecture

Properly configure and secure internet-facing network devices.

Ensure your organization has a vulnerability management program

Threat Actors Exploiting Multiple CVEs Against Zimbra Collaboration Suite | CISA

CNMF Discloses Malware in Ukraine

The current geopolitical conflict has affected organizations all over the world, regardless of industry. Some of the greatest exploitations have resulted in financial, human resource, and other losses.

CNMF has issued warnings.

U.S. Cyber Command's Cyber National Mission Force (CNMF), in close coordination with the Security Service of Ukraine, has released a list of indicators of compromise (IOCs) of malware seen in Ukraine. According to CNMF, "Ukrainian partners are actively sharing malicious activity they find with us to bolster collective cyber security, just as we are sharing with them."

We want to help you fight this vulnerability.

CISA encourages users and administrators to review U.S. Cyber Command's press release, Cyber National Mission Force discloses IOCs from Ukrainian networks, as well as their VirusTotal and GitHub pages for more information. See Mandiant's report, Evacuation and Humanitarian Documents used to Spear Phish Ukrainian Entities, for additional information.

Read more here: CNMF Discloses Malware in Ukraine | CISA

KEVs Catalog

CISA strongly urges all organizations to reduce their exposure to cyberattacks by prioritizing timely remediation of Catalog vulnerabilities as part of their vulnerability management practice.

CISA has added 23 new vulnerabilities to its Known Exploited Vulnerabilities Catalog in the month of August. These types of vulnerabilities are a frequent attack vector for malicious cyber actors and pose significant risk to the federal enterprise.

Additional Resources from CISA

- ❑ CISA Homepage - https://www[.]cisa[.]gov/
- ❑ CISA NCAS – https://us-cert[.]cisa[.]gov/
- ❑ CISA Shields Up - https://www[.]cisa[.]gov/shields-up
- ❑ Free Cybersecurity Services and Tools - https://www[.]cisa[.]gov/free-cybersecurity-services-and-tools
- ❑ CISA News Room - https://www[.]cisa[.]gov/cisa/newsroom
- ❑ CISA Blog - https://www[.]cisa[.]gov/blog-list
- ❑ CISA Publications Library - https://www[.]cisa[.]gov/publications-library
- ❑ CISA Cyber Resource Hub - https://www[.]cisa[.]gov/cyber-resource-hub
- ❑ CISA Cybersecurity Directives - https://cyber[.]dhs[.]gov/directives/

For more information:

cisa.gov

Questions?

Central@cisa.dhs.gov

1-888-282-0870

CYBERSECURITY & INFRASTRUCTURE SECURITY AGENCY

CISA

Auto-ISAC Community Meeting

Why Do We Feature Speakers?

- ❖ These calls are an opportunity for information exchange & learning
- ❖ Goal is to educate & provide awareness around cybersecurity for the *connected vehicle*

What Does it Mean to Be Featured?

- ❖ Perspectives across our ecosystem are shared from Members, government, academia, researchers, industry, associations and others.
- ❖ Goal is to showcase a rich & balanced variety of topics and viewpoints
- ❖ *Featured speakers are not endorsed by Auto-ISAC nor do the speakers speak on behalf of Auto-ISAC*

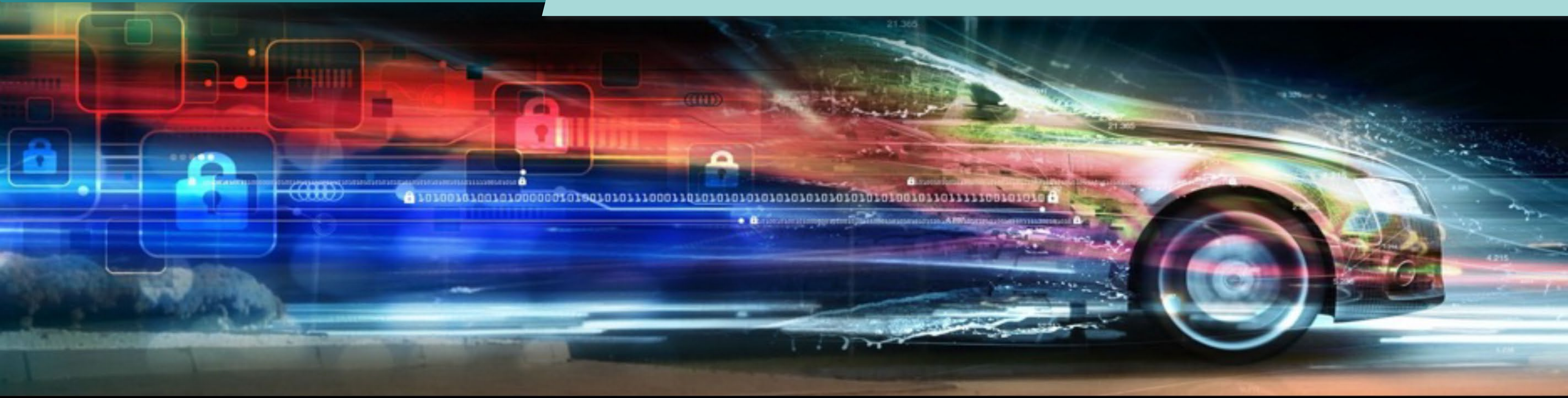
30+ *Featured Speakers to date*

How Can I Be Featured?

- ❖ If you have a topic of interest you would like to share with the broader Auto-ISAC Community, then we encourage you to contact us!

7 *Best Practice Guides available on website*

2000+ *Community Participants*



Featured Speaker

TLP:WHITE

AUTO-ISAC
Automotive Information Sharing and Analysis Center

Tim Weisenberger- SAE International

Program Manager, Emerging Technologies

Tim Weisenberger manages SAE programs in emerging technology areas sush as Vehicle Automation, Connectivity, Electrification, and Shared-use Mobility. Tim leads SAE's cybersecurity portfolio and coordinates international standards collaboration and harmonization.

SAE INTERNATIONAL

GLOBAL GROUND VEHICLE STANDARDS

Developing an EV Charging Public Key Infrastructure

an SAE Cooperative Research Project

Tim Weisenberger
Technical Program Manager
Emerging Technologies
SAE INTERNATIONAL

The Research Opportunity and How it Emerged…

EV Charging systems have crucial and growing interface points between the Automotive industry, EV drivers, and the Electric Grid/Energy industry

- It is critical that these interfaces be *secure and trusted*

Significant gaps in EV Charging PKI are hindering interoperability and security

- ISO 15118 Plug N Charge Protocol Standard has PKI and cybersecurity elements, but is incomplete
- Only one PKI provider of a 15118-based PKI approach
- Industry and SAE formed a cooperative research project to create a modern, protocol-neutral industry PKI solution.

Project Approach and Goals

SAE Cooperative Research Program

SAE Cooperative Research Program (CRP) projects *are partnerships of SAE and industry companies* that meet project criteria to preform targeted, pre-competitive research to solve an industry problem.

SAE CRP *projects develop industry deliverables* that can then be fed into SAE standards to develop a needed J standard.

SAE EV Charging Public Key Infrastructure CRP

The project will *design and test an inclusive, worldwide EV charging industry PKI platform* that is secure, trusted, scalable, interoperable, and extensible.

The project is an *industry-led, pre-competitive research* project to strengthen electric vehicle charging system security.

SAE EV Charging PKI Project Value to Industry

Benefit	Feature	Value Add
Lower Cost	Platform operationalization by digital security services firm with demonstrated global experience	• Faster delivery of production & test certs • Lower risk of security breach • Disaster recovery & business continuity • Choice of CAs for issuance of certificates
Increased Trust and Level of Security	• Consortium acts as the Policy Authority (PA) • Full transparency of CAs and Registration Authority operations • Assurance the PKI is administered by subscribers and new CAs according to CP and CPS	• Robust, cradle-to-grave certificate life-cycle mgmt. • Out-of-band operations eliminated • Response robustness in disaster scenario
More Control	PA determines if & when PKI changes are needed due to industry regulations, governance, technical, or operational reasons	• Enforce conformance to CPS • Manage on-boarding of CAs, Trust Lists, ICAs, etc.

Project Overview

Core Project Team

- ChargePoint
- eMobility Power
- Electrify America
- Ford
- General Motors
- MBRDNA (Daimler)
- Rivian
- Shell
- Stellantis

Affiliate Members

- BMW
- Denso-Ten
- BTC Power
- AddEnergie
- EVGo
- Phihong

Technical Development

Core Team is technical lead; Technical work performed by paid technical Contractors Eonti and DigiCert; SAE International is administrative PM

- *PKI Platform Design complete*
- Testing underway
- Project Close-out in Q4

Migration Path

SAE and Core Team will migrate the technical project to an operational industry EV Charging PKI Enterprise

Technical Deliverables

Phase 1 Design Complete

- PKI Design and Prototype
- Operationalization Planning Report

SAE EV Charging PKI Platform compatibility with ISO/ IEC 15118-2 is built-in and pre-tested.

Phase 2 Testing

Friendly Platform functionality and scalability testing with project members

- Virtual Testing Platform
- Testing at NREL in Golden, CO Apr 4-7, 2022 and Sep 12-16, 2022
- Adversarial Testing performed by Sandia Labs

Migration Path

Consortium Planning Group

Participants will meet to plan the governance and operations of an industry Consortium.

- *Separate activity from the CRP*; will meet in the SAE Industry Technologies Consortia

Maintain Virtual PKI Testing Platform

- Further engagement of industry; additional test events in 2023 (TBD)

EV Charging PKI Industry Consortium

Launch an EV Charging PKI consortium to field an industry EV Charging PKI enterprise

Completed Project Deliverables

Completed Design Deliverables

Industry Review and Gap Analysis

Threat Model

PKI Platform Design Package

- PKI Requirements Doc (PRD)
- PKI Prototype
- Certificate Policy

Operationalization Report

SAE EV CHARGING PUBLIC KEY INFRASTRUCTURE PLATFORM

SAE EV Charging PKI "Friendly" Test Event; April 4, 2022

What was tested?

- Issuance of certificates to participants from a cloud-based CA platform via a central RA and APIs
- The EV to EVSE interface using compliant certificates with 256-bit ECC keys
- TLS and PnC with ISO 15118-2 compliant EVs and EVSEs
- Sending non-compliant EV certificates to the EVSE

Was the testing a success?

Yes, the test demonstrated the compliance and interoperability of the certificates such that:

- An EV performed TLS and PnC with two different EVSEs; and
- An EVSE performed TLS and PnC with two different EVs

What did we learn from the test event?

More testing is needed, ideally with additional EV and EVSEs, as well as the backend CPO/MO application to provide the needed data to develop the certificate validation policy.

Expanded Friendly Test; Sep 12-16, 2022

Testing Expanded and Refined:

- Test interface between EVSE and CPO/MO, Certificate Revocation, non-compliant EVSE certificates to EVs, and certificates with 521-bit ECC keys
- More Robust Interoperability Testing- 3 EVs, 6 Chargers, 2 Charging Back-ends

Adversarial testing

- Sandia National Lab to perform ethical hacking event of the EV to EVSE interface

Further modularization

- self-testing documentation
- operational user guidelines
- repository of certs
- demo/test examples
- APIs
- past testing reports

SAE EV Charging PKI Migration Path

Consortium Planning Group

Participants will meet to plan the governance and operations of an industry Consortium.

- *Separate activity from the CRP*; will meet in the SAE Industry Technologies Consortia

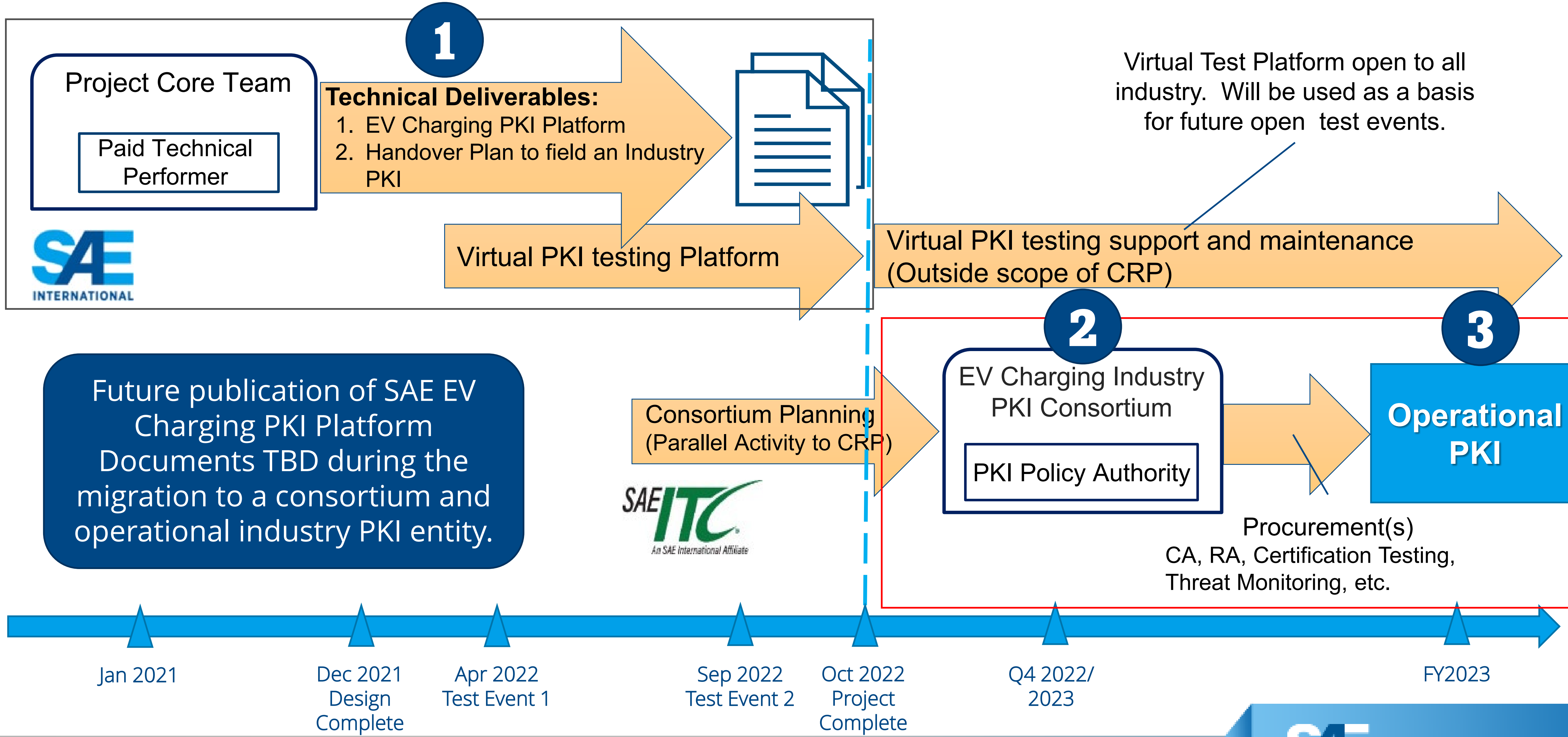
Maintain Virtual PKI Testing Platform

- Further engagement of industry for testing
- Additional test events in 2023 (TBD)

EV Charging PKI Industry Consortium

Launch an EV Charging PKI consortium to field an industry EV Charging PKI enterprise

SAE EV Charging PKI Project Migration to EV Charging Industry PKI



1

Project Core Team

Paid Technical Performer

Technical Deliverables:

1. EV Charging PKI Platform
2. Handover Plan to field an Industry PKI

Virtual PKI testing Platform

Virtual Test Platform open to all industry. Will be used as a basis for future open test events.

Virtual PKI testing support and maintenance (Outside scope of CRP)

Future publication of SAE EV Charging PKI Platform Documents TBD during the migration to a consortium and operational industry PKI entity.

Consortium Planning (Parallel Activity to CRP)

2

EV Charging Industry PKI Consortium

PKI Policy Authority

3

Operational PKI

Procurement(s)
CA, RA, Certification Testing, Threat Monitoring, etc.

Jan 2021

Dec 2021 Design Complete

Apr 2022 Test Event 1

Sep 2022 Test Event 2

Oct 2022 Project Complete

Q4 2022/ 2023

FY2023

Come Join Us!

Please contact Tim Weisenberger to engage in the SAE EV Charging PKI CRP.

Tim Weisenberger
Technical Program Manager, Emerging Technologies

e: tim.weisenberger@sae.org
m: 248.840.2106

Open Discussion

Any questions about the Auto-ISAC or future topics for discussion?

How to Get Involved: Membership

If you are an OEM, supplier or commercial vehicle, Carrier or Fleet, please join the Auto-ISAC!

- *Real-time Intelligence Sharing*
- *Intelligence Summaries*
- *Regular intelligence meetings*
- *Crisis Notifications*
- *Member Contact Directory*
- *Development of Best Practice Guides*
- *Exchanges and Workshops*
- *Tabletop exercises*
- *Webinars and Presentations*
- *Annual Auto-ISAC Summit Event*

To learn more about Auto-ISAC Membership, please contact michaelshokouhi@automotiveisac.com.
For Partnership, please contact sharmilakhadka@automotiveisac.com.

AUTO-ISAC PARTNERSHIP PROGRAMS

Strategic Partnership

- **For-profit** companies such as “Solutions Providers” that sell connected vehicle cybersecurity products & services.
- **Examples:** *Hacker ONE, Upstream, IOActive, Karamba, Grimm*

1. **Must be approved** by Executive Director and the Membership & Benefit Standing Committee (MBSC).
2. Formal agreements: **NDA, SPA, SoW, CoC** required.
3. **In-kind contributions** allowed. Currently no fee.
4. **Does not** overtly sell or promote product or service.
5. Commits to **support the Auto-ISAC’s mission.**
6. Engages with the automotive ecosystem, **supporting & educating Auto-ISAC Members and its Community.**
7. **Develops value added Partnership Projects** to engage with the Auto-ISAC, its Member, and Community.
8. **Summit Sponsorship** allowed for promotion. Summit Booth **priority**.
9. Engagement **must provide Member awareness, education, training, and information sharing**
10. **Builds relationships, shares, and participates** in information sharing Auto-ISAC activities.
11. Supports our mission through **educational webinars and sharing of information.**

Community Partnership

- **Community Partners** are companies, individuals, or organizations with a complementary mission to the Auto-ISAC, with the interest in engaging with the automotive ecosystem, supporting, and educating Members and the community.
- Includes ***Industry Associations, Government Partners, Academia, Research Institution, Standards Organizations, Non- Profit, Technical Experts, Auto-ISAC Sponsors*.**
- **Examples:** *Autos Innovate, ATA, ACEA, JAMA, MEMA,CLEPA, CISA, DHS, FBI, NHTSA, NCI, UDM etc.*

1. **No formal agreement** required.
2. **No approval** required.
3. Added to **Auto-ISAC Community Distro** List to stay engaged in Community events and activities.
4. Participate in **Auto-ISAC Monthly Community Calls.**
5. Learn **what is trending** in the ISACs and hear from key leaders during the **special topic of interest** presentation.
6. Added to **Auto-ISAC DRIVEN** list to receive our **daily cyber automotive newsletter.**
7. Part of the Network with **Automotive Community and the extended automotive ecosystem.**
8. Invitation to **attend and support** our yearly Summit.

Current Partnerships

Many organizations engaging

Thanks for your Support to our Many Partners

Community Partners

INNOVATOR

Strategic Partnership (19)

ArmorText
Cybellum
Deloitte
FEV
GRIMM
HackerOne
Irdeto
Itemis
Karamba Security
KELA
Pen Testing Partners
Red Balloon Security
Regulus Cyber
Saferide
Security Scorecard
Tanium
Trustonic
Upstream
Vultara

NAVIGATOR

Support Partnership

AAA
ACEA
ACM
American Trucking Associations (ATA)
ASC
ATIS
Auto Alliance
EMA
Global Automakers
IARA
IIC
JAMA
MEMA
NADA
NAFA
NMFTA
RVIA
SAE
TIA
Transport Canada

COLLABORATOR

Coordination Partnership

AUTOSAR
Billington Cybersecurity
Cal-CSIC
Computest
Cyber Truck Challenge
DHS CSVI
DHS HQ
DOT-PIF
FASTR
FBI
GAO
ISAO
Macomb Business/MADCAT
Merit (training, np)
MITRE
National White Collar Crime Center
NCFTA
NDIA
NHTSA
NIST
Northern California Regional Intelligence Center (NCRIC)
NTIA - DoCommerce
OASIS
ODNI
Ohio Turnpike & Infrastructure Commission
SANS
The University of Warwick
TSA
University of Tulsa
USSC
VOLPE
W3C/MIT
Walsch College

BENEFACTOR

Sponsorship Partnership

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Deloitte
Finite State
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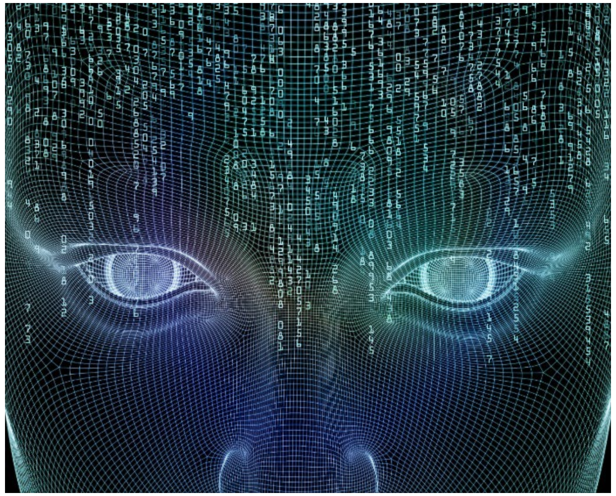
Escrypt
Blackberry
Cybellum
Blockharbor
C2A
Synopsis
Intsights
ValiMail

Auto-ISAC Benefits

- Focused Intelligence Information/Briefings
- Cybersecurity intelligence sharing
- Vulnerability resolution
- Member to Member Sharing
- Distribute Information Gathering Costs across the Sector
- Non-attribution and Anonymity of Submissions
- Information source for the entire organization
- Risk mitigation for automotive industry
- Comparative advantage in risk mitigation
- Security and Resiliency



Building Resiliency Across the Auto Industry

Thank You!

THANK
YOU
MAAKE
MULTUMESC
MERCI
GRAZIE
ASANTE
KIITOS
MATONDO
ARIGATO
WELALIN
VINAKA
KIA ORA
JUSPAXAR
SPASIBO
DANK JE
OBRIGADO
CHOKRANE
MOCHCHAKKERAM
TERMA KASIH
RAIBH MAITH AGAT
MATUR NUWUN
UA TSAUG RAU KOJ
SALAMAT
CAM ON BAN
NIRRINGRAZZJAK
MAMANA
DANKON

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AUTO-ISAC
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