

## WELCOME TO AUTO-ISAC!

MONTHLY VIRTUAL COMMUNITY CALL

September 6, 2023 This Session will be recorded.

AUTOPALOS AUTOPA





## **AUTO-ISAC ANTITRUST STATEMENT**

As Members of the Auto-ISAC, we strictly comply with EU and US antitrust laws. Please do not discuss anything that your company considers commercially sensitive and/or confidential such as pricing or future product plans. A violation of any of the above-mentioned issues will result in us having to quickly terminate the meeting.

Finally, please remember to keep these deliberations confidential. Please do not discuss the substance of these meetings outside of this group.

This meeting is being held at					
TLP:CLEAR					
Disclosure is not limited.					





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### VERSION 2.0 DEFINITIONS

Color		WHEN SHOULD IT BE USED?	How May IT BE SHARED?		
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Source: https://www.us-cert.gov/ti					





## Agenda

Тіте (ет)	Торіс
11:00	<ul> <li>Welcome</li> <li>➢ Why We're Here</li> <li>➢ Expectations for This Community</li> </ul>
11:05	<ul> <li>Auto-ISAC Update</li> <li>➢ Auto-ISAC Activities</li> <li>➢ Heard Around the Community</li> <li>➢ Intelligence Highlights</li> </ul>
11:15	<ul> <li>DHS CISA Community Update</li> <li>Jeff Terra, Consulting Support, Joint Cyber Defense Collaborative (JCDC), Cybersecurity and Infrastructure Security Agency (CISA)</li> </ul>
11:20	Featured Speaker:         > Stephen Lilley, Partner, Mayer Brown LLP         > Title: "Cyber Policy Developments Affecting the Auto Industry"
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* 

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

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







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Support the

ommunity

## **ENGAGING IN THE AUTO-ISAC COMMUNITY**

## \* 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 (1<sup>st</sup> Wednesday of month)
  - ✤ If you have a topic of interest, let us know!

**21** Navigator Partners

**46** Supplier & Commercial Vehicle Members

- 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

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)





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Innovator

**Partners** 

## **2023 BOARD OF DIRECTORS**

## Thank you for your Leadership!



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Brian Witten Aptiv

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## AUTO-ISAC MEMBER ROSTER As of September 1, 2023

Aisin	Fleet Defender	Lucid Motors	Polaris
Allison Transmission	Flex	Luminar	Qualcomm
American Axle & Manufacturing	Ford	Magna	<b>Renesas Electronics</b>
Aptiv	Garrett	MARELLI	Rivian
AT&T	General Motors (Cruise-Affiliate)	Mazda	Stellantis
AVL List GmbH	Geotab	Mercedes-Benz	Subaru
Blackberry Limited	Harman	Mitsubishi Electric	Sumitomo Electric
BMW Group	Hitachi	Mitsubishi Motors	thyssenkrupp
BorgWarner	Honda	Mobis	Tokai Rika
Bosch (ETAS-Affiliate)	Hyundai	Motional	Toyota (Woven Planet-Affiliate)
Bose Automotive	Infineon	Navistar	Valeo
ChargePoint	Intel	Nexteer Automotive Corp	Veoneer
Continental (Argus-Affiliate)	John Deere Electronic	Nissan	Vitesco
Cummins (Meritor-Affiliate)	JTEKT	Nuro	Volkswagen (CARIAD-Affiliate)
Daimler Truck	Kia America, Inc.	Nuspire	Volvo Cars
Denso	Knorr Bremse	NXP	Volvo Group
e:fs TechHub GmbH	KTM	Oshkosh Corp	Waymo
Faurecia	Lear	PACCAR	Yamaha Motors
Ferrari	LG Electronics	Panasonic (Ficosa-Affiliate)	ZF

Pending: Amazon.com, CNH Industrial, Stoneridge, Phinia, Dana Inc.





## **AUTO-ISAC BUSINESS UPDATES AND EVENTS**

Upcoming Meetings:

- Community Call: Wednesday, October 4<sup>th</sup> Time: 11:00am 12:00 p.m. TLP:GREEN; Speaker: Brandon Barry, CEO, Block Harbor; Niraj Kaushik, MD North America, VicOne; Brian Gorenc, VP Threat Research Trend Micro, Title: "Pwn2Own for Automotive @ Automotive World Tokyo"
- Partners Teaching Members: Wednesday, September 20<sup>th</sup> Time: 10:00 am 11:30 am TLP:AMBER; Speaker: Murtada Hamzawy, COO, Block Harbor "Knowledge Transfer & Retention in Automotive Cybersecurity, What Happens When an Automotive Cybersecurity Professional Leaves Your Organization & What to Do About It."
- Auto-ISAC Summit will be October 17<sup>th</sup>-18<sup>th</sup>, 2023 in Torrance, California. Complimentary pass codes were sent to Member POCs. Early bird registration discount pricing ends September 8<sup>th</sup>. Our discounted hotel room block (\$219/night) closes September 21<sup>st</sup>. You can find more information here: <u>https://automotiveisac.com/2023-annual-summit</u>.
  - > When booking travel, please consider joining these Members-only meetings in person:
    - Monday, Oct 16<sup>th</sup>, Q3 2023 Pre-Summit Joint PWG + IT/OT Workshop In Person Only
    - Wednesday, Oct 18<sup>th</sup>, SBOM WG + JWG + Japan-Auto-ISAC Working Lunch meeting HYBRID
    - Thursday, Oct 19<sup>th</sup>, Member Advisory Forum HYBRID





#### 7<sup>th</sup> Annual Auto-ISAC **Cybersecurity Summit**

?

October 17-18, 2023 Torrance, CA

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The Power of Dreams

AUTO-ISAC

ACCELERATING

SECURITY



## **AUTO-ISAC INTELLIGENCE HIGHLIGHT**





## AUTO-ISAC INTELLIGENCE

- Know what we track daily: <u>subscribe</u> to the DRIVEN; <u>TLP:GREEN</u> Auto-ISAC 2022 Threat Assessment released with Auto-ISAC Automotive Cyber Threat Ecosystem (1<sup>st</sup> Iteration) included.
  - Send feedback, contributions, or questions to <u>analyst@automotiveisac.com</u>
- > Intelligence Notes
  - Geopolitical tensions involving Russia, China, North Korea, and Iran remain high with Russia-Ukraine in crisis (<u>Russia-Ukraine</u>, <u>China</u>, <u>North Korea</u><sup>1</sup>, <u>Iran</u><sup>2</sup>).\*
    - Anonymous Sudan perpetrated a <u>DDoS attack</u> on Nigeria after the coup in Niger (<u>NPR</u>). There has since been another coup in Gabon (<u>The Guardian</u>).
  - Ransomware <sup>3</sup> Groups Targeting Automotive: <u>Cl0p</u>, <u>LockBit 3.0</u>, <u>AlphV</u>, <u>Qilin</u>, <u>Lorenz</u>
  - Malicious cyber tools and stolen data continue to be sold on forums including: <u>XSS</u>, <u>BreachForums</u>, DemonForums[dot]net, <u>Dread</u>, <u>Kingdom Market</u>.
  - Notable TTPs and Tools: Installing Web Shells on Citrix Servers (<u>SecurityAffairs</u>); Exploiting UEFI Implementation Flaws for Persistence (<u>CISA</u>); Exploiting Older Vulnerabilities (<u>CISA</u>); Deploying Ransomware via Managed Service Providers (<u>DarkReading</u>); Employing Cobra DocGuard in Supply Chain Attacks (<u>Symantec</u>); Leveraging Cisco VPNs to Infiltrate Networks (<u>Rapid7</u>, <u>BleepingComputer</u>); Employing Infected Removable Drives (<u>Mandiant</u>, <u>Kaspersky</u>); Employing Malicious Python Packages in Supply Chain Attacks (<u>ReversingLabs</u>); Dark AI Tools (<u>Outpost24</u>); Cloudzy (<u>Halcyon</u>); WoofLocker (<u>Malwarebytes</u>).





# **CISA Resource Highlights**

Joint Cyber Defense Collaborative





CISA urges users to remain on alert for malicious cyber activity following natural disasters, such as hurricanes, as attackers target disaster victims and concerned citizens by leveraging social engineering tactics, techniques, and procedures (TTPs).

- Social engineering TTPs include
  - Phishing, in which threat actors pose as trustworthy persons/organizations—such as disasterrelief charities—to solicit personal information via email or malicious websites.

CISA recommends exercising caution in handling emails with disaster-related subject lines, attachments, or hyperlinks. In addition, be wary of social media pleas and texts messages related to severe weather events.





# CISA Releases JCDC Remote Monitoring and Management (RMM) Cyber Defense Plan

The Remote Monitoring and Management (RMM) Cyber Defense Plan, is the first proactive Plan developed by industry and government partners through the Joint Cyber Defense Collaborative (JCDC).

- This plan addresses systemic risks facing the exploitation of RMM software.
  - Cyber threat actors can gain footholds via RMM software into managed service providers (MSPs) or manage security service providers (MSSPs) servers and, by extension, can cause cascading impacts for the small and medium-sized organizations.
- This release builds off the JCDC 2023 Planning Agenda and marks a major milestone in the continued evolution and maturation of the Collaborative's development to satisfy JCDC's core functions:
  - Developing and coordinating cyber defense plans
  - Operational collaboration and cybersecurity information fusion
  - Producing and disseminating cyber defense guidance





## CISA, NSA, FBI, and International Partners Release Joint CSA on Top Routinely Exploited Vulnerabilities of 2022

- This advisory provides details on the top Common Vulnerabilities and Exposures (CVEs) routinely exploited by malicious cyber actors in 2022, and the associated Common Weakness Enumeration(s) (CWE), to help organizations better understand the impact exploitation could have on their systems.
- The authoring agencies urge all organizations to review and implement the recommended mitigations detailed in this advisory.
- The advisory provides vendors, designers, and developers recommendations on implementing **secure-by-design and -default principles and tactics** to reduce the prevalence of vulnerabilities in their software and end-user organizations' recommendations to reduce the risk of compromise by malicious cyber actors.





# **Security/Software Updates**

For August 2023:

- Juniper Releases Multiple Security Updates
- Atlassian Releases Security Updates
- Fortinet Releases Security Updates
- Adobe Releases Security Updates
- Microsoft Releases Security Updates
- Mozilla Releases Security Updates
- CISCO Releases Security Updates
- VMWare Releases Security Updates

#### Best practices:

- Leverage automatic updates for all operating systems and third-party software
- Implement security configurations for all hardware and software assets
- Remove unsupported or unauthorized hardware and software from systems

Please note all information provided is TLP Amber





## **CISA Releases Industrial Control Advisories**

- These advisories provide timely information about current security issues, vulnerabilities, and exploits surrounding ICS.
- For the period of 8/1/23- 8/31/23 approximately 36 advisories have been issued.
- Affected systems include Mitsubishi Electric, TELSTAR SCADA, Rockwell Automation, Schneider Electric, Sensormatic Electronics, Hitachi Energy, Siemens, CODESYS and many others.
- For current ICS advisories please check CISA.gov regularly

Please note all information provided is TLP Amber





# **KEVs Catalogue**

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 added 8 new vulnerabilities to its Known Exploited Vulnerabilities (KEV) 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 <u>https://www.cisa.gov/</u>
- CISA NCAS <u>https://cisa.gov/resources-tools/all-resources-tools</u>
- CISA Shields Up <u>https://www.cisa.gov/shields-up</u>
- Free Cybersecurity Services and Tools <u>https://www.cisa.gov/free-cybersecurity-services-and-tools</u>
- CISA News Room <u>https://www.cisa.gov/cisa/newsroom</u>
- CISA Blog <u>https://www.cisa.gov/blog-list</u>
- CISA Publications Library <u>https://www.cisa.gov/publications-library</u>
   CISA Cyber Resource Hub <u>https://www.cisa.gov/cyber-resource-hub</u>
   CISA Cybersecurity Directives <u>https://cyber.dhs.gov/directives/</u>





#### For more information:

cisa.gov

Questions?

Central@cisa.dhs.gov

1-888-282-0870





## **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 to date Speakers are not endorsed by Auto-ISAC nor do the speakers speak on behalf of Auto-ISAC*

## 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





30+





## **FEATURED SPEAKER**





## STEPHEN LILLEY PARTNER, MAYER BROWN



**Stephen Lilley** is a partner in the Washington DC office of Mayer Brown. He focuses his practice on helping clients navigate cutting-edge and interrelated litigation, regulatory, and policy challenges. A member of the firm's Cybersecurity & Data Privacy and Litigation practices, Stephen develops strategies to manage legal risks and to shape regulatory policy across a broad range of substantive areas. He has been named a "Leading Lawyer" for Cyber Law by the *Legal 500*.

Stephen has significant experience working with clients to identify, evaluate, and manage cybersecurity and data privacy risks; responding to cyber incidents and vulnerability disclosures; and defending businesses in related litigation. Stephen has particular experience advising on cybersecurity and national security issues relating to the Internet of Things, including vehicles and medical devices, and to manufacturing, critical infrastructure, and other industrial systems.

Stephen previously served as Chief Counsel to the Senate Judiciary Committee's Subcommittee on Crime and Terrorism, where he focused on cybersecurity issues.





# MAYER BROWN

## Cyber Policy Update PRESENTATION TO THE AUTO-ISAC

Stephen Lilley Partner <u>slilley@mayerbrown.com</u> 202-263-3865

## SEPTEMBER 2023

## **US Policymakers Have Been Very Active on Cybersecurity—With More Developments on the Horizon**



## **Five Key Themes**

- Earlier incident reporting or disclosure.
- Intent to close perceived regulatory gaps.
- Focus on software security.
- Emphasis on governance.
- Focus on all relevant technologies.

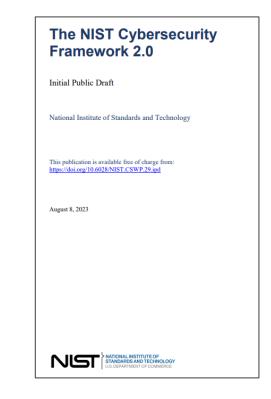
## **ONCD Continues to Implement the National Cyber Strategy**

- The March 2023 cyber strategy called for a "[r]ebalanc[ing of] the responsibility to defend cyberspace," and a "realign[ment of] incentives to favor long-term investments."
- ONCD released the implementation plan in July 2023 and the Administration is working through the various action items it contemplates, including:
  - Release of a request for information relating to regulatory harmonization;
  - Release of a request for information relating to the security of open source software;
  - Announcing an IoT labelling program, in coordination with the FCC.
- Further contemplated actions include:
  - Implementing FAR changes required under EO 14028;
  - Exploring approaches for shifting liability for software security.



## **Proposed Version 2.0 of the NIST Cybersecurity Framework Will** Likely Further Increase the Impact of that Tool

- NIST released a draft of Version 2.0 of the NIST Cybersecurity Framework in August 2023.
- Key changes contemplated by the proposed draft include:
  - Removing "Critical Infrastructure" from its name to reflect broad and international use of framework;
  - Emphasizing governance by adding a sixth core function;
  - Including additional implementation guidance on the creation and use of "Framework Profiles" to help tailor cybersecurity priorities for specific sectors and use cases.
- The proposed draft is open for comment until November 4<sup>th</sup>.





## **CIRCIA Appears Likely To Have A Broad Impact Across Sectors**

- CISA has responsibility for implementing the Cyber Incident Reporting for Critical Infrastructure Act.
- So far, CISA has requested comment through a request for information, but has not yet released a proposed rule.
- While it is difficult to predict, the Administration appears likely to implement CIRCIA broadly so that it covers a substantial number of companies—not just owners and operators of the *most* critical infrastructure.
- CISA is required to release a notice of proposed rulemaking by March 2024 and to release a final rule eighteen months later.



## **SEC Final Rules Require Public Company Cybersecurity Disclosures**

- In July 2023, the SEC adopted new rules governing how public companies disclose their cyber risk management program and the material incidents they experience.
- The final rules would require registrants to:
  - Disclose material cybersecurity incidents within four business days of the company's determination that the cybersecurity incident is material
  - Make annual disclosures in form 10-K regarding the company's cybersecurity risk management and strategy
  - Make annual disclosures in Form 10-K regarding the company's cybersecurity governance, including with respect to oversight by the board and management
- The final rules build on staff guidance issued in 2011 and Commission guidance issued in 2018.





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## ANY QUESTIONS ABOUT THE AUTO-ISAC OR FUTURE TOPICS FOR DISCUSSION?



This document is Auto-ISAC Sensitive and Confidential.



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## 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

- > DEVELOPMENT OF BEST PRACTICE GUIDES
- Exchanges and Workshops
- TABLETOP EXERCISES
- > WEBINARS AND PRESENTATIONS
- > MEMBER CONTACT DIRECTORY > ANNUAL AUTO-ISAC SUMMIT EVENT

To learn more about Auto-ISAC Membership and Partnership, please contact melissacromack@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

#### **INNOVATOR** Strategic Partnership (20) ArmorText BlockHarbor Cybellum Deloitte FEV GRIMM HackerOne Irdeto Itemis Karamba Security **KELA** Pen Testing Partners **Red Balloon Security Regulus** Cyber Saferide Security Scorecard Trustonic Upstream VicOne 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

**COMMUNITY PARTNERS** 

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 OASIS ODNI **Ohio Turnpike & Infrastructure Commission** SANS The University of Warwick TSA University of Tulsa USSC VOLPE W3C/MIT Walsh College

BENEFACTOR Sponsorship Partnership 2022 Summit Sponsors-Argus **BGNetworks** Bosch Blackberrv **Block Harbor** BlueVoyant **Booz Allen Hamilton** C2A Cybellum **CyberGRX** Cyware Deloitte Denso Finite State Fortress Itemis **Keysight Technologies** Micron NXP Okta Sandia Securonix Tanium UL Upstream VicOne





## **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**







## **OUR CONTACT INFO**





