

# WELCOME TO AUTO-ISAC!

# MONTHLY VIRTUAL COMMUNITY CALL

November 3, 2021



# DHS TRAFFIC LIGHT PROTOCOL (TLP) CHART

COLOR	WHEN SHOULD IT BE USED?	HOW MAY IT BE SHARED?
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.
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.
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:  • Ms. Katherine McClaskey, DHS Program Lead, U.S. Department of Homeland Security (DHS)	
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

<u>Participants</u>: 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**

- ❖ 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!
- Engage & ask questions!

**21** *Navigator Partners* 

- 43 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

**15**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)



**OEM Members** 

#### 2020 - 2021 BOARD OF DIRECTORS

#### EXECUTIVE COMMITTEE (EXCOM)





Kevin Tierney
Chair of the
Board of the Directors
GM

2020 - 2021

BOARD (AB)

**LEADERSHIP** 

**ADVISORY** 



Josh Davis
Vice Chair of the
Board of the Directors
Toyota



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



Todd Lawless
Chair of the
Advisory Board
Continental



Michael Feiri Vice Chair of the Advisory Board ZF



Chris Lupini Chair of the SAG Aptiv



Larry Hilkene
Chair of the CAG
Cummins



### **MEMBER ROSTER**

### AS OF NOVEMBER 1, 2021

#### **63 Members**

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



#### **BUSINESS ADMINISTRATION**

#### Upcoming Key Events:

 Members Teaching Members – December 15 Speaker: Jenny Gilger, Honda Title: Corporate Impact and Lessons Learned from a Global Ransomware Attack TLP:AMBER

#### **Community Call:**

Wednesday, December 3 - Speaker: Michael Daniel, Cyber Threat Alliance Title: Combating Ransomware:
 Creating a Ransomware Incident Response Network Time: 11 – 12:00 p.m. TLP:WHITE

#### **Announcements:**

- Auto-ISAC and NHTSA Training Cooperative Agreement was finalized on September 29th.
- All Members' CISOs/Deputy CISOs are invited to join the newly created <u>CISO Executive Working Group</u> to share best practices and for inner-industry collaboration on response and deterrence of ransomware. <u>Please</u> share with your CISO!
- Call for CC Speakers Might you want to speak? Please send your ideas to <u>Andrea Schunn</u>. We are working to build a list of speakers in advance of presentations for MBSC approval.
- Successful 2021 Auto-ISAC Cybersecurity Summit.
- Auto-ISAC Year-end Community Call Survey, will be sent after December Community Call. Please provide your thoughts and recommendations for improvement of this monthly engagement.
- Please welcome new staff member Paul Hamburg to the Auto-ISAC Team.



TLP:WHITE 4 November 2021

#### PAUL HAMBURG

#### CYBERSECURITY TECHNICAL LEADER (CTL)

We would like to welcome a new addition to our Auto-ISAC Staff Team, **Paul Hamburg**. Paul recently earned both a BSIT (summa cum laude) and MSIT from Walsh College with a concentration in Automotive Cybersecurity. He was offered a teaching position prior to graduation and currently works as an adjunct professor teaching a concentration in cybersecurity and automotive cybersecurity.

Prior to joining our organization, Paul began working in the auto industry as a technician after completing an education degree. Consistently recognized for his diagnostic skills, he moved into management positions as the shop foreman. He then moved on to a field engineering position with the Development and emissions teams with VWAG. This career brought Paul and his family to Michigan in 2016 to join the OBDII team for VWAG. After leaving Volkswagen, Paul worked for a J2534 tool manufacturer performing end of line and field testing. Paul is active in several SAE EE Diagnostics and Security committees and currently chairs J1930. Paul brings considerable experience in multiple facets of the automotive industry paired with current cybersecurity knowledge to Auto-ISAC.







# **AUTO-ISAC INTELLIGENCE**



#### **AUTO-ISAC INTELLIGENCE**

- Know what we track daily by <u>subscribing</u> to the DRIVEN
  - Send feedback, contributions or questions to <u>analyst@automotiveisac.com</u>
- ➤ Know our strategic perception of and outlook for the cyber threat environment by reading the 2020 Threat Assessment in the Auto-ISAC 2020 Annual Report. The 2021 Annual Report and Threat Assessment are in production.
  - Email us to request the report, provide feedback, or ask questions.
- > Intelligence Notes
  - Study the "Trojan Source" vulnerabilities (<u>CVE-2021-42574</u>, <u>CVE-2021-42694</u>) and assess the risk to your products, business networks, industrial systems, and their respective supply chains (<u>Trojan Source</u>, <u>The Hacker News</u>, <u>KrebsonSecurity</u>).
  - Cyber threat actors are increasingly conducting phishing attacks on smartphones. Monitor
    phishing tactics, techniques, and procedures threat actors use to attack smartphones and
    evolving malware capabilities, and assess risk implications for your products, business
    networks, industrial systems, and their respective supply chains (ZDNet, BleepingComputer).
  - Like other industries, open-source reporting has noted a year-over-year increase in ransomware attacks on automotive organizations (<u>ThreatPost</u>, <u>Fortinet</u>, <u>Black Kite</u>).



TLP:WHITE 4 November 2021

# CISA RESOURCE HIGHLIGHTS



### TLP: WHITE - CISA Infrastructure Security Month 2021

- 2021 Theme- "Critical Infrastructure Security and Resilience: Build It In"
- Four (4) Weekly Themes:
  - Interconnected and Interdependent Critical Infrastructure: Shared risk means building in shared responsibility
  - Plan for Soft Target Security: Build in security for mass gatherings starting with your planning
  - Build Resilience into Critical Infrastructure
  - Secure our Elections: Build resilience into our democratic processes
- Website:
  - https://www[.]cisa[.]gov/infrastructure-security-month



# TLP: WHITE – CISA Joint Cyber Defense Collaborative (JCDC) Webinar Recording

- CISA hosted a live webinar overview of the Joint Cyber Defense Collaborative (JCDC) on Tuesday, October 26, 2021
- A recording of the webinar will be posted to the JCDC website
- JCDC website: <a href="https://www[.]cisa[.]gov/jcdc">https://www[.]cisa[.]gov/jcdc</a>
- Direct questions about JCDC to <u>cisa.jcdc@cisa.dhs.gov</u>



### **TLP: WHITE – CISA Current Activity Highlights**

- NSA-CISA Series on Securing 5G Cloud Infrastructures
  - https://us-cert[.]cisa[.]gov/ncas/current-activity/2021/10/28/nsa-cisa-series-securing-5g-cloud-infrastructures
  - <u>https://www[.]nsa[.]gov/Press-Room/Press-Releases-Statements/Press-Release-View/Article/2825412/nsa-and-cisa-provide-cybersecurity-guidance-for-5g-cloud-infrastructures/</u>
- CISA, FBI, and NSA Release Joint Cybersecurity Advisory on BlackMatter Ransomware
  - https://us-cert[.]cisa[.]gov/ncas/current-activity/2021/10/18/cisa-fbi-and-nsa-release-joint-cybersecurity-advisory-blackmatter
  - https://us-cert[.]gov/ncas/alerts/aa21-291a



# **TLP: WHITE – CISA Current Activity Highlights**

- GPS Daemon (GPSD) Rollover Bug
  - https://us-cert[.]cisa[.]gov/ncas/current-activity/2021/10/21/gps-daemon-gpsd-rollover-bug
  - https://gpsd[.]gitlab[.]io/gpsd/NEWS
- 2021 CWE Most Important Hardware Weaknesses
  - https://us-cert[.]cisa[.]gov/ncas/current-activity/2021/09/14/cert-nz-releasesransomware-protection-guide-businesses
  - https://cwe[.]mitre[.]org/scoring/lists/2021\_CWE\_MIHW.html



#### TLP: WHITE – Additional Resources From CISA

- CISA Homepage <a href="https://www[.]cisa[.]gov/">https://www[.]cisa[.]gov/</a>
- CISA NCAS <a href="https://us-cert.cisa.gov/">https://us-cert.cisa.gov/</a>
- CISA News Room <a href="https://www[.]cisa[.]gov/cisa/newsroom">https://www[.]cisa[.]gov/cisa/newsroom</a>
- CISA Blog <a href="https://www[.]cisa.gov/blog-list">https://www[.]cisa.gov/blog-list</a>
- CISA Publications Library <a href="https://www[.]cisa[.]gov/publications-library">https://www[.]cisa[.]gov/publications-library</a>
- CISA Cyber Resource Hub <a href="https://www[.]cisa[.]gov/cyber-resource-hub">https://www[.]cisa[.]gov/cyber-resource-hub</a>
- CISA Cybersecurity Directives <a href="https://cyber[.]dhs[.]gov/directives/">https://cyber[.]dhs[.]gov/directives/</a>
- CISA COVID-19 Response <a href="https://www[.]cisa[.]gov/coronavirus">https://www[.]cisa[.]gov/coronavirus</a>
- CISA Webinar Series on YouTube: <a href="https://www[.]youtube[.]com/playlist?list=PL-BF3N9rHBLJN3HUIZnTnyZHex9gPk\_Yy">https://www[.]youtube[.]com/playlist?list=PL-BF3N9rHBLJN3HUIZnTnyZHex9gPk\_Yy</a>
- https://us-cert[.]cisa[.]gov/ncas/current-activity/2021/11/03/cisa-issues-bod-22-01-reducing-significant-risk-known-exploited
- https://cyber[.]dhs[.]gov/bod/22-01/
- https://www[.]cisa[.]gov/sites/default/files/publications/Reducing\_the\_Significant\_Risk\_of\_Known\_ Exploited\_Vulnerabilities\_211103.pdf
- https://cisa[.]gov/known-exploited-vulnerabilities





For more information: cisa.gov

Questions? CISAServiceDesk@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 are not endorsed by Auto-ISAC nor do the speakers speak on behalf of Auto-ISAC

#### 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**



### KATE MCCLASKEY, DHS-CISA

#### DHS PROGRAM LEAD



**Kate McClaskey** is an award-winning U.S. Department of Homeland Security (DHS) Program Lead. She has managed several policy and domestic security programs and campaigns, including the development of the Congressionally mandated Strategy for Vehicular Terrorism Prevention, strategic national action plans for international partners, and CISA's advanced technology autonomous ground vehicle security program.

Ms. McClaskey also has experience providing executive advice and communication for a Presidential Council; leading initiatives to identify statutory, legislative, and regulatory authority security needs; and working within the U.S. Senate.

She has a J.D. from George Mason University School of Law and a B.S. in Communications from the University of Tennessee.

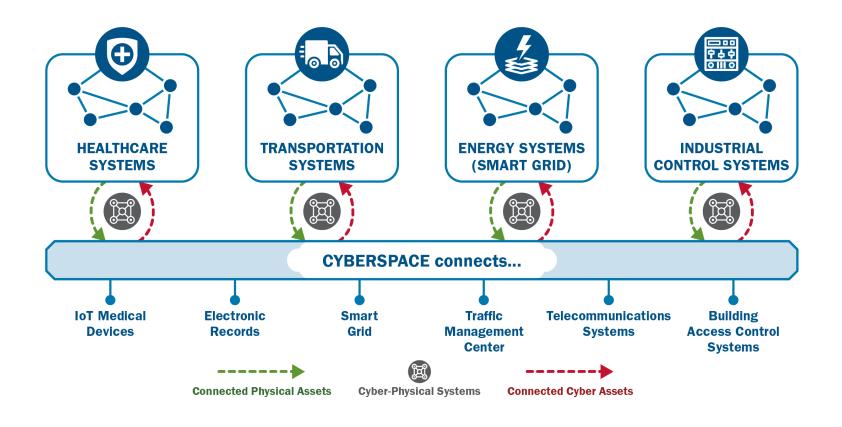


# AUTONOMOUS GROUND VEHICLE SECURITY GUIDE: TRANSPORTATION SYSTEMS SECTOR



# **A Connected Operating Environment**

Today's threats are targeting both physical and cyber assets through sometimes sophisticated hybrid attacks with potentially disruptive impacts to data, property, and physical safety.





# **Cyber-Physical Convergence Components**



#### **Component 1**

and vulnerabilities
converging to cause
disruption to critical
infrastructure service
delivery, essential
supply and operating
chains, and national
critical functions



#### **Component 2**

Integration of cyber and physical security management in planning, operations, incident, and contingency response



#### **Component 3**

Cyber-physical systems – complex IT/OT, technology-enabled, digitally transformed environments supporting or delivering infrastructure services



# **Current State of Autonomous Ground Vehicles**



A vehicle that can execute and decide when it is appropriate to use safety-critical functions without direct input from a human operator. This system can adapt to unforeseen conditions and environments in real-time.

#### **Early adopters:**

- NURO R2
- Tesla
- Waymo



0

No Automation



Zero autonomy; the driver performs all driving tasks. 1 Driver Assistance



Vehicle is controlled by the driver, but some driving assist features may be included in vehicle design. 2

Partial Automation



Vehicle has combined automation functions, like acceleration and steering, but the driver must remain engaged with the driving task and monitor the environment at all times

3

**Conditional Automation** 



Driver is a necessity, but is not required to monitor the environment. The driver must be ready to take control of the vehicle at all times with notice.

4

High Automation



The vehicle is capable of performing all driving functions under certain conditions. The driver may have the option to control the vehicle.

5 .....

Full Automation



The vehicle is capable of performing all driving functions under all conditions. The driver may have the option to control the vehicle.



**Source:** NHTSA https://www.nhtsa.gov/technology-innovation/automated-vehicles-safety#topic-road-self-driving

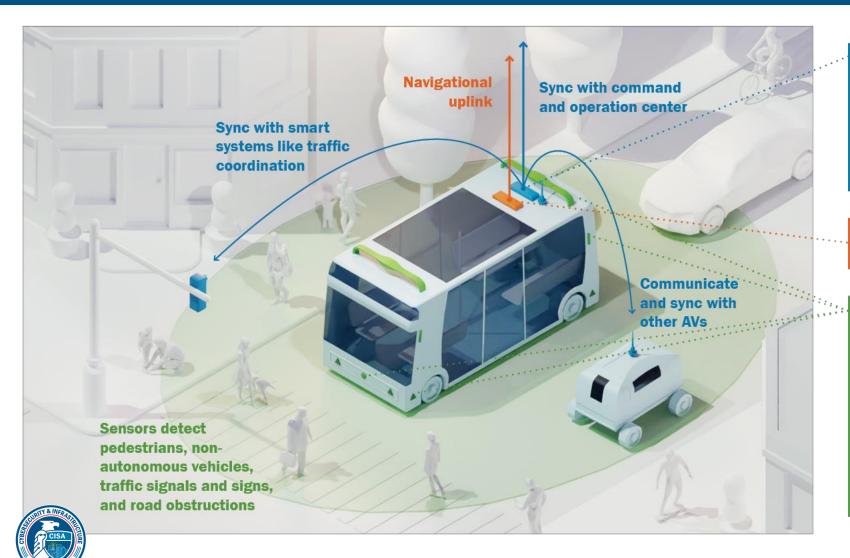
# **Autonomous Ground Vehicle Security Guide**

- Goals: Understand the risks associated with autonomous ground vehicles (AGVs) and implement mitigation strategies that reduce risk to people and property
- Audience: Chief Security Officers (CSOs) and Chief Information Security Officers (CISOs) of first adopters of autonomous vehicles such as trucking, last-mile delivery, and mass transit
- Autonomous Ground Vehicle Security
   Guide: Transportation Systems Sector





# **Autonomous Cyber-Physical Systems**



#### **Operation and Communication Systems**

Vehicle-to-everything (V2X) Technologies

**Parallel computing** 

**Dedicated Short Range Communications** (DSRC)

Global Navigation Satellite Systems / Inertial Navigational Systems (GNSS/INS)

#### **Sensor Systems**

**Light Detection and Ranging (LiDAR)** 

**High-frequency acoustic sensors** 

Radio Detection and Ranging (RADAR)

**Monocular cameras** 

Stereo cameras

**Traffic-sign Recognition (TSR)** 

# CISA Autonomous Vehicle Cyber-Attack Taxonomy (AV|CAT)



#### ATTACK VECTOR

Pathway a malicious actor takes to access a targeted system



#### **TARGET**

System a malicious actor seeks to exploit



### **CONSEQUENCE**

Harm resulting from an attack; classifies overall intent



#### **OUTCOME**

Real-world result caused by the attack



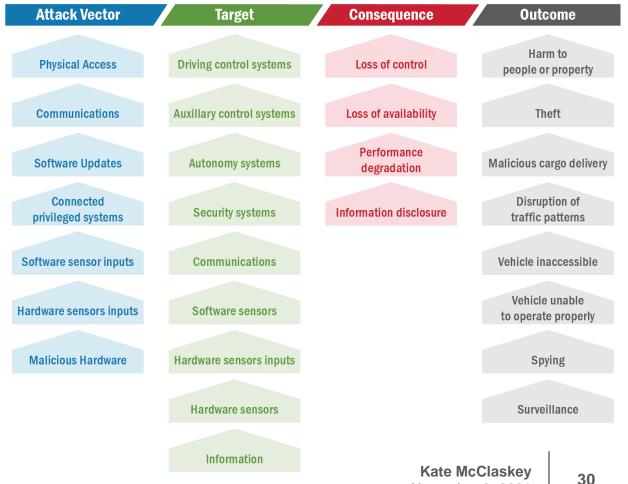
# **AV**|CAT Threat Sources

# **CISA** has identified five types of cyber threat sources that may be interested in AVs as a new target for cyber attacks:

- National Governments
- Terrorists
- Industrial Spies and Organized Crime
- Hacktivists
- Hackers

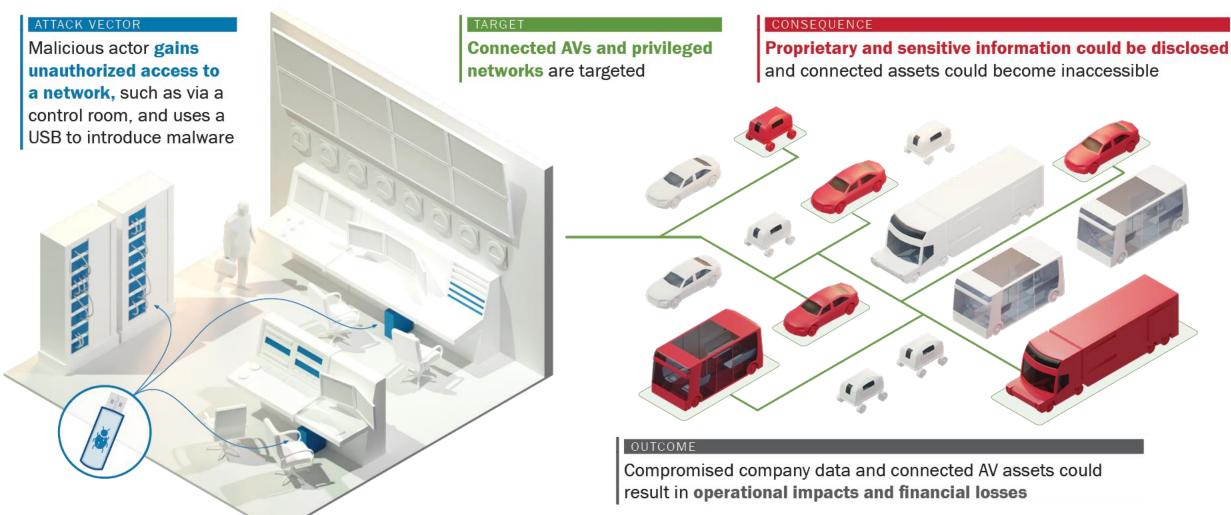
Source: https://us-cert.cisa.gov/ics/content/cyber-threat-source-descriptions

#### **AV Cyber Attacks**

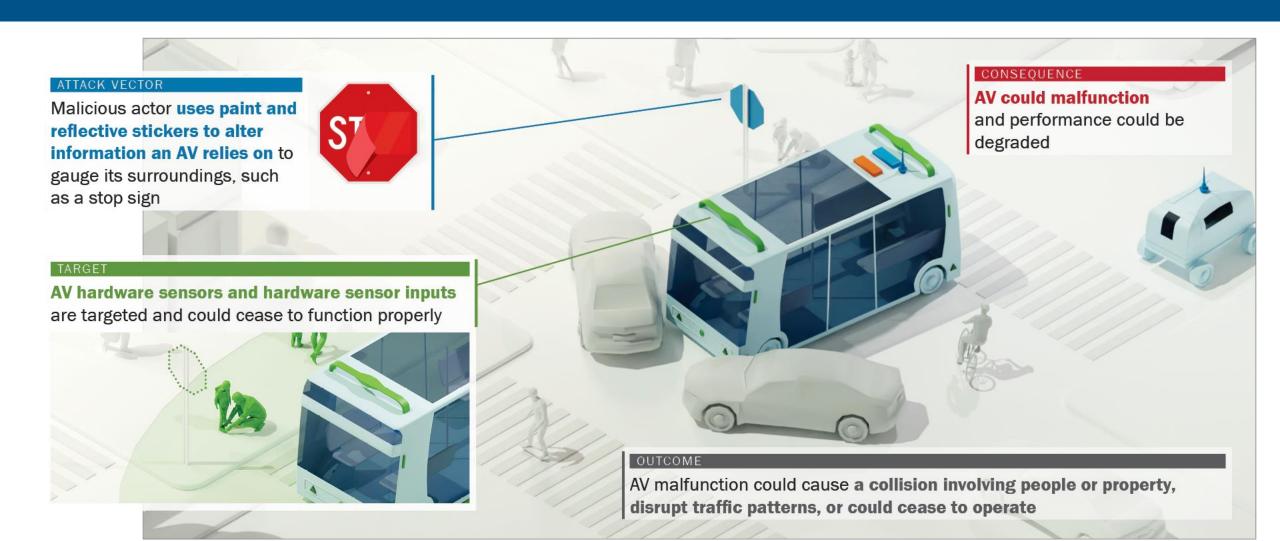




# AV CAT Example – Enterprise: Compromising AV Network Security



# **AV|CAT Example – Asset: Disrupting AV Sensors**



# **AV Risk Mitigation Strategies**

### **Enterprise Security**



Conduct vulnerability assessments; report vulnerabilities and cyber-physical incidents



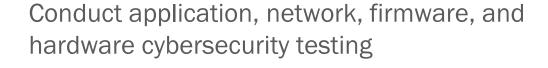
Adopt and implement system security guidance, best practices, and design principles



Formalize collaboration across organizational security functions



### **Asset Security**





Configure devices and services to the most secure default settings; implement recommended vehicle software updates regularly



Design, develop, and implement cybersecurity standards for connected vehicles and associated components



Design redundant and overlapping sensors to reduce single point failures



# **CISA.gov Resources**

- Autonomous Ground Vehicles Security Guide
   <u>cisa.gov/publication/autonomous-ground-vehicle-security-guide-transportation-systems-sector</u>
- Cybersecurity and Physical Security Convergence Action Guide cisa.gov/publication/cybersecurity-and-physical-security-convergence
- Insider Threat Mitigation
   cisa.gov/insider-threat-mitigation
- Cyber Resource Hub cisa.gov/cyber-resource-hub
- Cyber Hygiene Servicescisa.gov/cyber-hygiene-services
- Cybersecurity Advisors cisa.gov/csa
- Protective Security Advisors cisa.gov/protective-security-advisors
- CISA Tabletop Exercises Packages
   cisa.gov/cisa-tabletop-exercises-packages



For more information or to seek additional help, contact us at <a href="Central@cisa.gov">Central@cisa.gov</a>



For more information, please contact:

**Kate McClaskey** 

katherine.mcclaskey@cisa.dhs.gov



#### **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

- > DEVELOPMENT OF BEST PRACTICE **GUIDES**
- > Intelligence Summaries
- EXCHANGES AND WORKSHOPS

> REGULAR INTELLIGENCE **MEETINGS** 

> TABLETOP EXERCISES

> CRISIS NOTIFICATIONS

- WEBINARS AND PRESENTATIONS
- > Member Contact Directory > Annual Auto-ISAC Summit Event

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



#### **AUTO-ISAC PARTNERSHIP PROGRAMS**

**Strategic Partner** 

# **Solutions Providers**

<u>For-profit companies</u> that sell connected vehicle cybersecurity products & services.

Examples: Hacker ONE, IOActive, Karamba, Grimm

#### **Community Partners**

#### **Associations**

Industry associations and others that want to support and invest in the Auto-ISAC activities.

Examples: Auto Alliance, ATA, ACEA, JAMA

#### **Affiliations**

Government, academia, research, non-profit orgs with complementary missions to Auto-ISAC.

Examples: NCI, DHS, NHTSA, Colorado State

#### Community

Companies or individuals interested in engaging the automotive ecosystem and supporting & educating the community.

Examples: Sponsors for key events, technical experts, etc.

#### **INNOVATOR**

Paid Partnership

- Annual investment and agreement
- Specific commitment to engage with ISAC
- In-kind contributions allowed
- Must be educational provide awareness

#### **NAVIGATOR**

Support Partnership

- Provides guidance and support
- Annual definition of activity commitments and expected outcomes
- Provides guidance on key topics / activities
- Supports Auto-ISAC

#### **COLLABORATOR**

#### Coordination Partnership

- "See something, say something"
- May not require a formal agreement
- Information exchangescoordination activities
- Information Sharing / research & development

#### **BENEFACTOR**

Sponsorship Partnership

- Participate in monthly community calls
- Sponsor Summit
- Network with Auto Community
- Webinar / Events



#### **CURRENT PARTNERSHIPS**

#### MANY ORGANIZATIONS ENGAGING

#### **INNOVATOR**

Strategic Partnership (15)

ArmorText

Celerium

Cybellum

**Ernst and Young** 

**FEV** 

**GRIMM** 

HackerOne

Karamba Security

Pen Testing Partners

Red Balloon Security

Regulus Cyber

Saferide

**Security Scorecard** 

Trillium Secure

Upstream

#### **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

2020 Summit Sponsors-

Claroty

Upstream

Escrypt

Blackberry

Cybellum

Blockharbor C2A

Synopsis

Intsignts ValiMail

2019 Summit Sponsors-

Argus Arxan

Arxan

Blackberry Booz Allen Hamilton

Bugcrowd

Celerium

Cyber Future Foundation

Deloitte

GM

HackerOne

Harman IOActive

Karamba Security

Keysight Micron

NXP PACCAR

Recorded Future

Red Balloon Security

Saferide

Symantec Toyota

Transmit Security

Upstream

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!**





#### **OUR CONTACT INFO**

#### **Faye Francy**

**Executive Director** 



20 F Street NW, Suite 700 Washington, DC 20001 703-861-5417 fayefrancy@automotiveisac.com

#### Sharmila Khadka

Information Technology Executive Coordinator



20 F Street NW, Suite 700 Washington, DC 20001 443-962-5663

sharmilakhadka@automotiveisac.com



www.automotiveisac.com @auto-ISAC

