Prepare for the future of Vehicle Cyber Security

Hacker

A Person who secretly gets access to a computer system in order to get and/or tamper information, cause damage, or otherwise illegally compromise an electronic service or system.

Telematics

The branch of information technology that deals with the long-distance transmission of computerized information.

Malware/ Spyware

Software intended to infiltrate and damage or disable computers and pass information about a computer user's activities to an external party.

Cracking

When an individual with extensive computer knowledge purposely breaches, bypasses internet security, or gains access to software without paying royalties.

SAE J3061

Recommended practice for defining a complete lifecycle framework to be utilized within any development processes to incorporate Cybersecurity into vehicle systems from concept, production, operation, service, and decommissioning.

Access Points

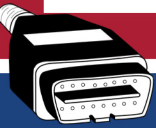
Points of access where a hacker may gain entry to a vehicle network, commonly through Bluetooth, HotSpots, WIFI, or IVI.

Cyber Security

The protection of the cyberspace from the stealing of information, money and the growing ability to disrupt, destroy, or threaten the delivery of essential.

Virus

A malware program that, when executed, replicates by inserting copies of itself into other computer programs, data files, or the boot sector of the hard drive; when successful the device is "infected".



> "By failing to prepare, you are preparing to fail."
>
> ~Benjamin Franklin

Helpful References:

NMFTA National Motor Freight Traffic Association, Inc.

www.nmfta.org/pages/HVCS

SAE INTERNATIONAL

saemobilus.sae.org/knowledgehubs/cybersecurity

TMC CONNECT

http://tmcconnect.trucking.org

SURFACE CYBERSECURITY

www.dhs.gov/topic/cybersecurity

CDSE

www.cdse.edu

www.dgtech.com/cyber-tech

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Prepare

CYBER TECH™

- Ensure that you are notified of any critical security issues or updates to your equipment and tools.
- Ensure that the latest firmware and software patches/upgrades are applied to vehicle systems.
- Develop a cybersecurity maintenance inspection to look for foreign devices mounted to accessible parts of the vehicle that can connect to the CAN bus.
- Separate networks for computers that have remote access to vehicle systems (vehicle diagnostics) from computers utilized for routine business functions (email, browsing the internet, working on office documents, etc..)
- Change the default passwords for all vehicle diagnostic computers and software from the vendor supplied defaults.

#VEHICLECYBER #CYBERTECH