Autonomous Vehicle Cybersecurity Manufacturer Disclosure Statement

Revision

Version 3
9/8/23 5:14 PM

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Abstract

This document details the process to be used to identify the cybersecurity practices currently used by a supplier.

Group / Owner

Security / Systems Security Analyst

Motivation

This document is motivated by the need to have adequate understanding of supplier cybersecurity practices prior to selection for the development of security-related elements to be used in products subject to compliance with standards such as **ISO/SAE 21434** and **ISO 26262**.

License

Overview

The **Autonomous Vehicle Cybersecurity Manufacturer Disclosure Statement** is intended to establish supplier practices in the following areas:

- Documentation
- PII management
- Audit controls
- Access controls
- Product upgrading
- Data backup
- Disaster recovery
- Data integrity / confidentiality
- Malware handling
- Device lifecycle management
- Software bill-of-materials
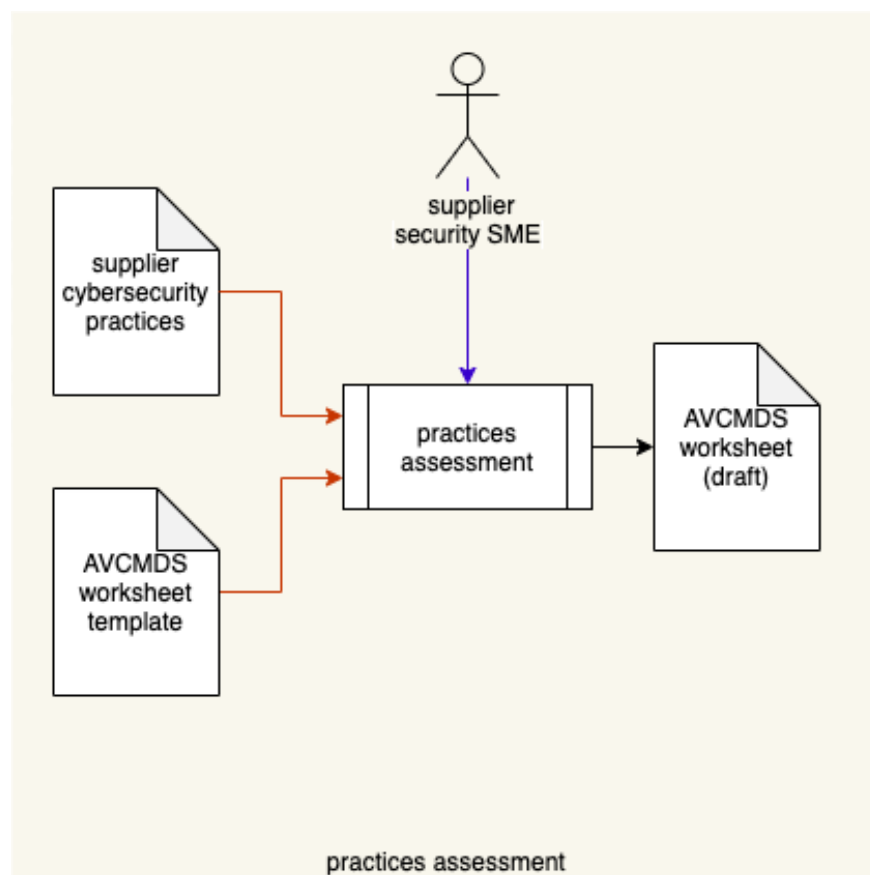- Hardening
- Connectivity / remote access

The following diagram illustrates the process to be used:
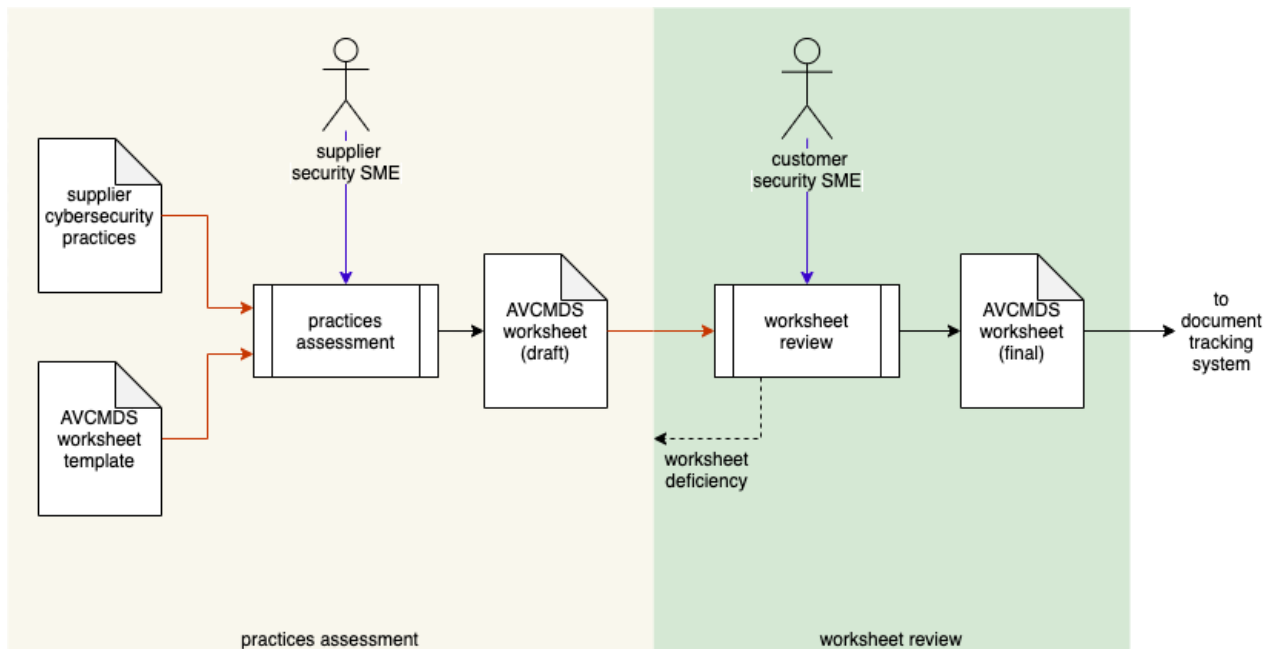
Process

Practices Assessment

Inputs	Supplier cybersecurity practices AVCMDS worksheet template
Outputs	AVCMDS worksheet (draft)
Participants	Supplier Security SME

practices assessment

Using the **AVCMDS (Autonomous Vehicle Cybersecurity Manufacturer Disclosure Statement) worksheet template** [5]**,** the supplier security SME creates an **AVCMDS worksheet (draft)**, based on an understanding of the existing **supplier cybersecurity practices**.

Worksheet Review

Inputs	AVCMDS worksheet (draft)
Outputs	AVCMDS worksheet (final)
Participants	Customer Security SME
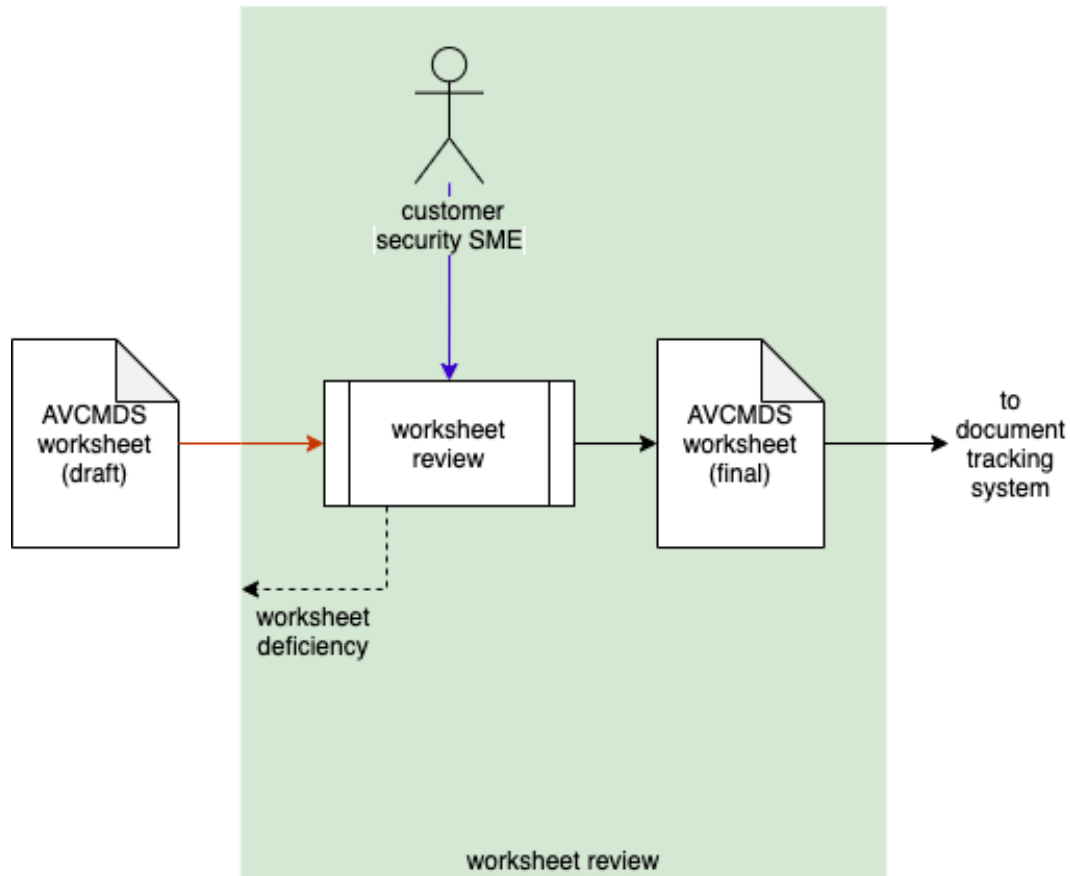
The customer security SME reviews the **AVCMDS worksheet (draft)**. If any deficiencies are identified, a **worksheet deficiency** is reported to the supplier for resolution. If no deficiencies are identified, the **AVCMDS worksheet (final)** is entered into the document tracking system for future reference.

Note: Information in the **AVCMDS worksheet** will be used in the creation of the **Cybersecurity Interface Agreement** [6].

References

1. **Safety data sheet**
   https://en.wikipedia.org/wiki/Safety_data_sheet
2. **Hazard Communication Standard: Safety Data Sheets**
   https://www.osha.gov/sites/default/files/publications/OSHA3514.pdf
3. **Development of Material Safety Data Sheets**
   https://jrm.phys.ksu.edu/Safety/kaplan.html
4. **Manufacturer Disclosure Statement for Medical Device Security**
   https://www.nema.org/standards/view/manufacturer-disclosure-statement-for-medical-device-security
5. **AVCMDS Worksheet template.xlsx (AVCDL template document)**
6. **Cybersecurity Interface Agreement (AVCDL secondary document)**