

# Cybersecurity Interface Agreement

## Revision

Version 4  
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## Author

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## Abstract

This document details the process to be used to establish the cybersecurity interface agreement between a supplier and the customer organizations.

## Group / Owner

Security / Systems Security Analyst

## Motivation

This document is motivated by the need to have formal agreements in place for the development of security-related elements by a supplier to be used in products subject to compliance with standards such as **ISO/SAE 21434** and **ISO 26262**.

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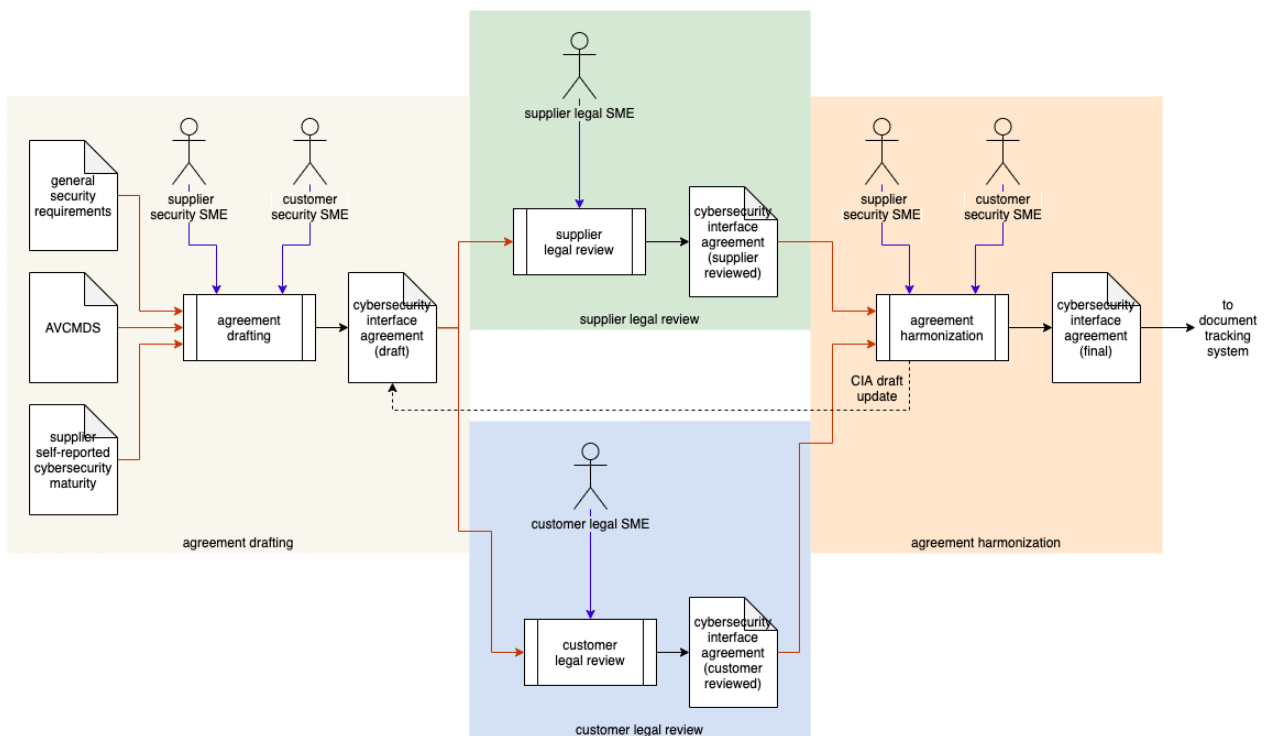
# Overview

The **Cybersecurity Interface Agreement** is intended to establish the following:

- identity of responsible individuals
- understanding of supplier capabilities
- responsibility of both consumer and supplier for the various AVCDL work products
- agreement upon the confidentiality level for the various AVCDL work products
- relevant comments of both consumer and supplier

**Note:** As the **AVCDL Cybersecurity Interface Agreement** is a legal agreement, it is a tracked document.

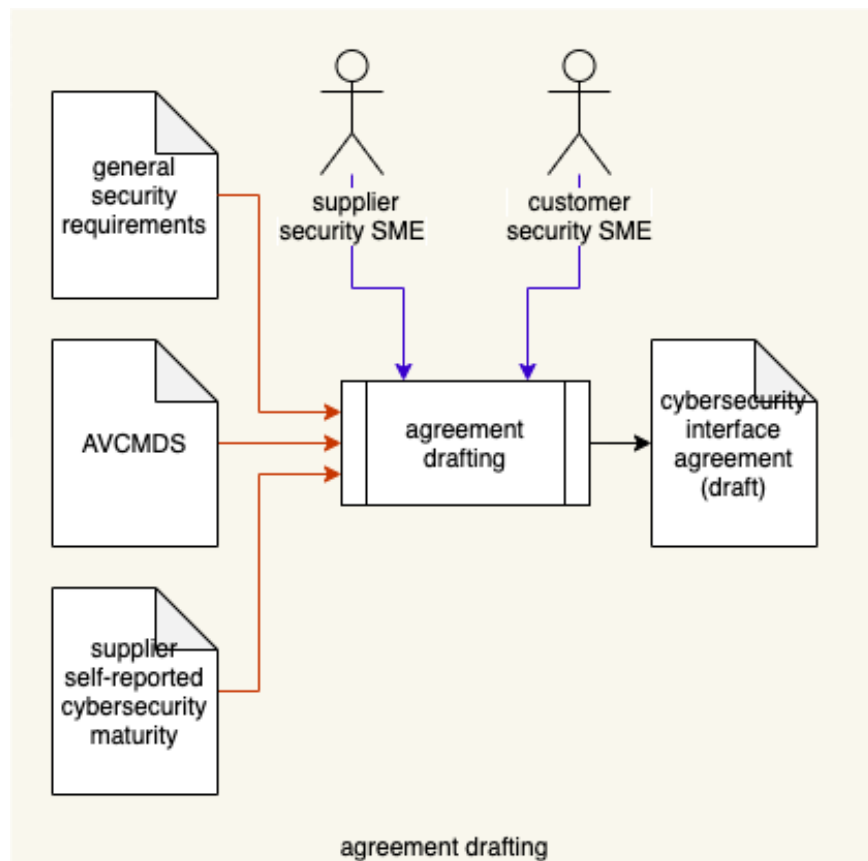
The following diagram illustrates the process to be used:



# Process

## Agreement Drafting

<b>Inputs</b>	General security requirements AVCMDS Supplier self-reported cybersecurity maturity
<b>Outputs</b>	Cybersecurity Interface Agreement (draft)
<b>Participants</b>	Supplier Security SME Customer Security SME



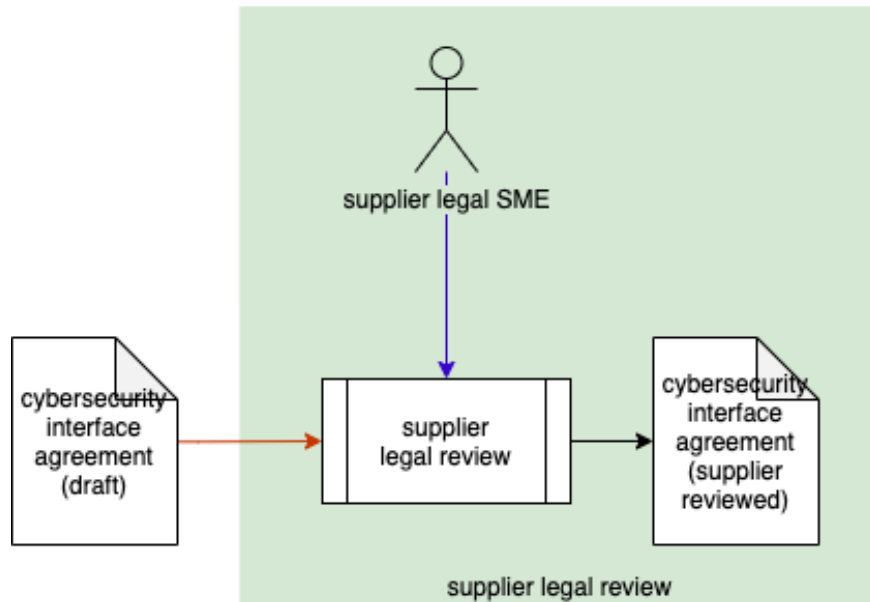
The **general security requirements** (see note below) for the element being supplied by the vendor, **AVCMDS (Autonomous Vehicle Cybersecurity Manufacturer Disclosure Statement)** worksheet [\[12\]](#), and **supplier self-reported cybersecurity maturity** report [\[13\]](#) are used by the supplier and customer security SMEs to create a **cybersecurity interface agreement draft**. This should be done using the **AVCDL** [\[9\]](#) as a basis for activities to be undertaken. A template [\[11\]](#) is provided for this purpose.

**Note:** The **general security requirements** referred to represent a subset created from the **global security catalog** <sup>[14]</sup> based on the general characteristics of the element under consideration. Tailoring <sup>[15]</sup> of these requirements will be done after the **cybersecurity interface agreement** is in place and work has begun.

**Note:** An additional document, **Understanding Cybersecurity Interface Agreements** <sup>[10]</sup>, is provided detailing the use of the interface agreement template.

## Supplier Legal Review

<b>Inputs</b>	Cybersecurity Interface Agreement (draft)
<b>Outputs</b>	Cybersecurity Interface Agreement (supplier reviewed)
<b>Participants</b>	Supplier Legal SME

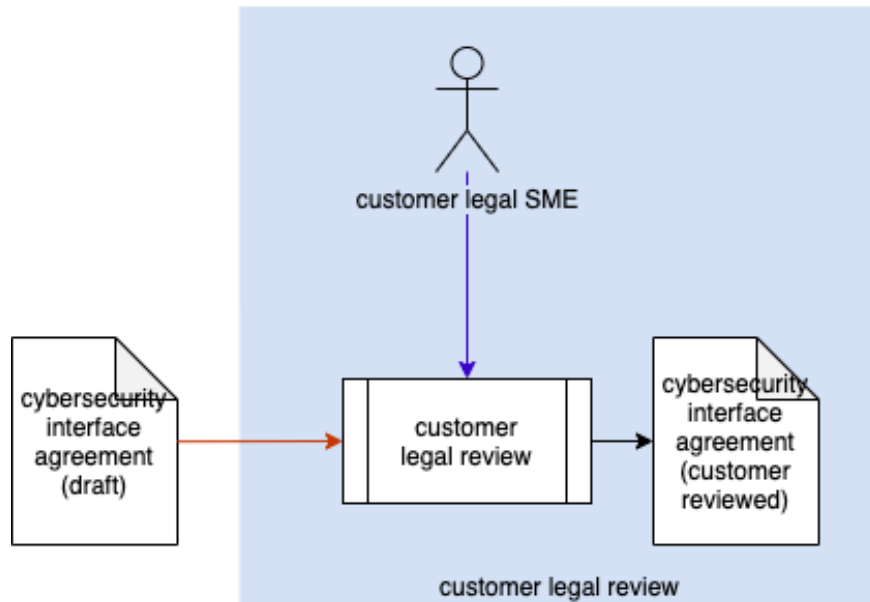


The **cybersecurity interface agreement (draft)** is reviewed by the supplier legal SME. A **cybersecurity interface agreement (supplier reviewed)** is created via annotation.

**Note:** This activity and the **Customer Legal Review** may be performed in parallel.

## Customer Legal Review

<b>Inputs</b>	Cybersecurity Interface Agreement (draft)
<b>Outputs</b>	Cybersecurity Interface Agreement (customer reviewed)
<b>Participants</b>	Customer Legal SME

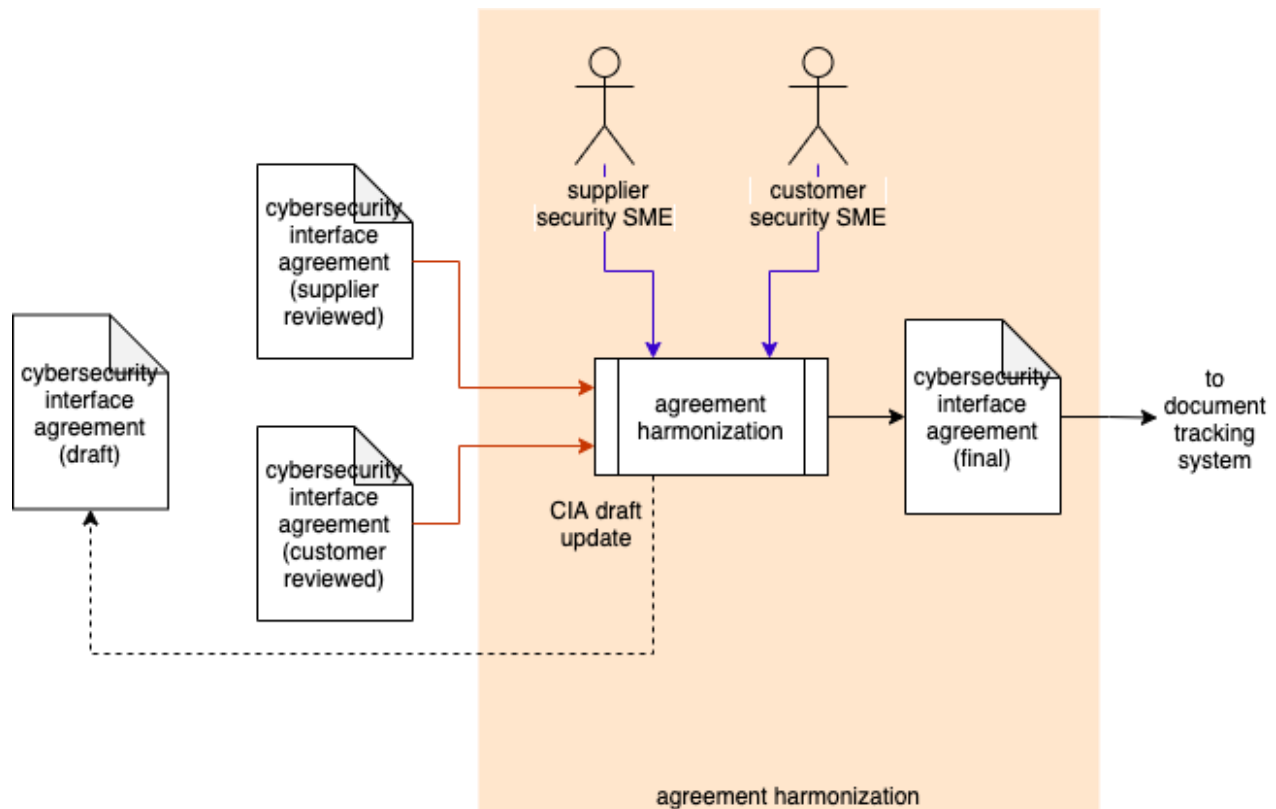


The **cybersecurity interface agreement (draft)** is reviewed by the supplier legal SME. A **cybersecurity interface agreement (customer reviewed)** is created via annotation.

**Note:** This activity and the **Supplier Legal Review** may be performed in parallel.

## Agreement Harmonization

<b>Inputs</b>	Cybersecurity Interface Agreement (supplier reviewed) Cybersecurity Interface Agreement (customer reviewed)
<b>Outputs</b>	Cybersecurity Interface Agreement (final)
<b>Participants</b>	Supplier Security SME Customer Security SME



The **cybersecurity interface agreement (supplier reviewed)** and **cybersecurity interface agreement (customer reviewed)** are used by the supplier and customer security SMEs to harmonize any differences. If there are unresolved issues or questions, the harmonized information is fed back into the **cybersecurity interface agreement (draft)** triggering another round of reviews. If there are no unresolved issues or questions, the harmonized information is integrated to **create the cybersecurity interface agreement (final)**. This document is then transferred to the document tracking system for management sign-off and archiving.

# References

1. **UNECE trans WP.29 GRVA 2019 2 - World Forum for Harmonization of Vehicle Regulations: Proposal for a Recommendation on Cyber Security**  
<https://unece.org/fileadmin/DAM/trans/doc/2019/wp29grva/ECE-TRANS-WP29-GRVA-2019-02e.pdf>
2. **Software Package Data Exchange® (SPDX®)**  
<https://spdx.dev/wp-content/uploads/sites/41/2017/12/spdxversion2.1.pdf>
3. **ISO 19770-2:2015 Information technology - IT asset management - Part 2: Software identification tag**  
<https://www.iso.org/standard/65666.html>
4. **NIST IR 8060 Guidelines for the Creation of Interoperable Software Identification (SWID) Tags**  
<https://nvlpubs.nist.gov/nistpubs/ir/2016/NIST.IR.8060.pdf>
5. **NIST SP 800-181 NICE Cybersecurity Workforce Framework (NCWF)**  
<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-181r1.pdf>
6. **Responsibility Assignment Matrix**  
[https://en.wikipedia.org/wiki/Responsibility\\_assignment\\_matrix](https://en.wikipedia.org/wiki/Responsibility_assignment_matrix)
7. **Capability Maturity Model**  
[https://en.wikipedia.org/wiki/Capability\\_Maturity\\_Model](https://en.wikipedia.org/wiki/Capability_Maturity_Model)
8. **Software Bill of Materials**  
<https://www.ntia.gov/sbom>
9. **Autonomous Vehicle Cybersecurity Development Lifecycle (AVCDL primary document)**
10. **Understanding Cybersecurity Interface Agreements (AVCDL secondary document)**
11. **AVCDL Cybersecurity Interface Agreement template.xlsx (AVCDL template document)**
12. **AVCMDS Worksheet template.xlsx (AVCDL template document)**
13. **AVCDL vendor CMM template.xlsx (AVCDL template document)**
14. **Global Security Requirements (AVCDL secondary document)**
15. **Product-level Security Requirements (AVCDL secondary document)**