

AVCDL

Overview

The **AVCDL** is a set of identified processes, requirements of those processes, generated products, and mappings from the generated products to their corresponding certification standard (**ISO/SAE 21434**, **UNECE WP.29**) work products: for the purpose of ensuring the creation of secure systems. It is intended to support auditing of the development process in the area of cybersecurity as specified in those standards.

Element Relationships

The following diagram illustrates the relationship between the various sources for and elements of the **AVCDL**.



Secondary (process) Document	Status
General	
security requirements taxonomy	complete
understanding the phase products dependencies graph	complete
secure design principles	draft
understanding workflow graphs	complete
understanding cybersecurity interface agreements	complete
Foundation Phase	
training catalog	draft
system to track training participation	draft
roles and responsibilities	complete
list of approved tools and components	draft
global security goals	complete
global security requirements	complete
code protection plan	draft
release integrity plan	draft
cybersecurity monitoring plan	draft
incident response plan	draft
decommissioning plan	template
threat prioritization plan	draft
deployment plan	template
Requirements Phase	
product-level security goals	draft
product-level security requirements	draft
requirements phase gate	draft
Design Phase	
design showing security considerations	draft
security design review report	template
attack surface analysis report	draft
threat modeling report	draft

Secondary (process) Document	Status
ranked/risked threat report	draft
threat report	draft
design phase gate	draft
Implementation Phase	
list of tools and components used	draft
build process documentation	draft
secure setting document	draft
component/version - product/version cross-reference	draft
secure development	draft
currently used deprecated functions	draft
static analysis report	draft
dynamic analysis report	draft
secure code review summary	draft
fuzz testing report	draft
implementation phase gate	draft
Verification Phase	
penetration testing report	template
updated threat model	draft
updated attack surface analysis	draft
verification phase gate	draft
Release Phase	
final security review report	draft
archive manifest	template
release phase gate	draft
Operation Phase	
cybersecurity incident report	template
software deployment report	template
Decommissioning Phase	

Secondary (process) Document	Status
decommissioning report	template

Legend

Status	Description
template	not completed
draft	pending certification body review
complete	reviewed by certification body