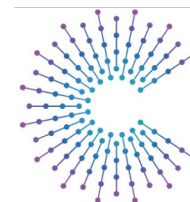




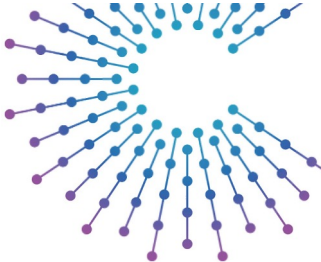
VSS Next?

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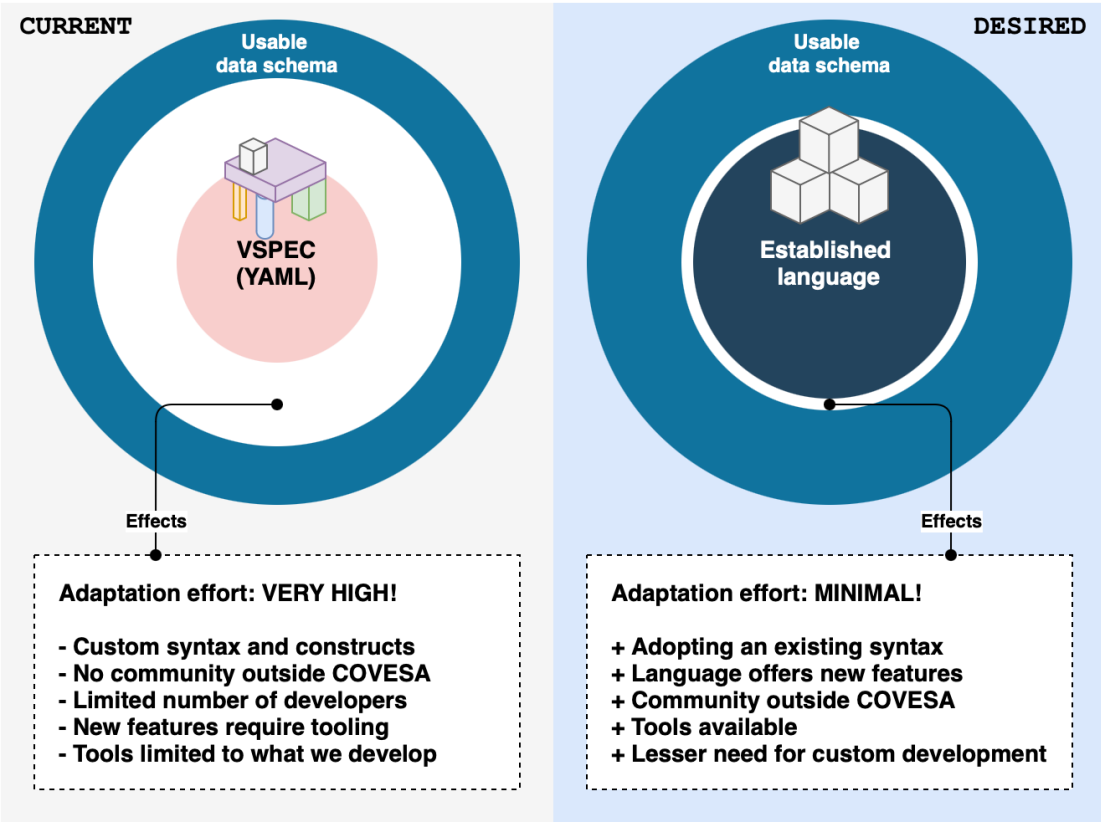


COVESA

Accelerating the future of connected vehicles

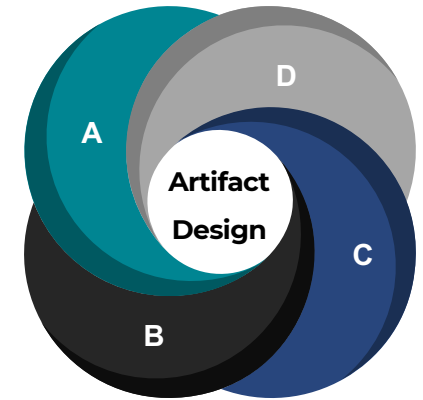


Current vs. Desired (tooling situation)

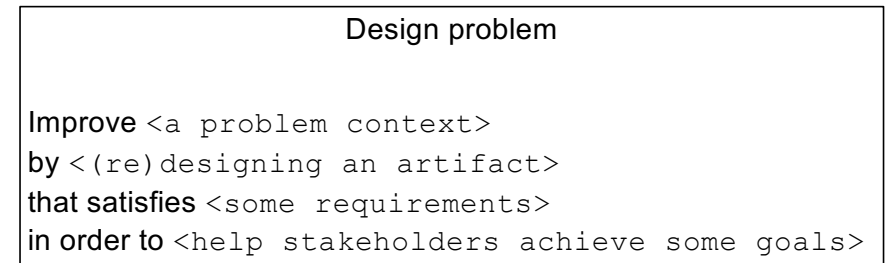
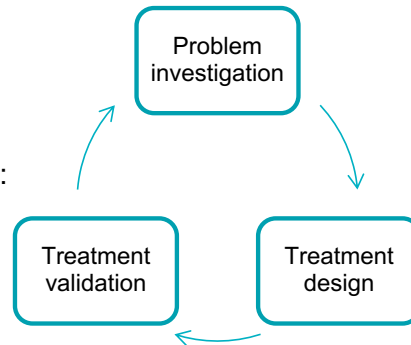


A well-defined scope leads to a valid and usable design.

- A. **Problem context** → What is the current problem / challenge / limitation?
- B. **Artifact** → What is the shape of the solution you want? (e.g., method, language notation, etc.)
- C. **Requirements** → What is its function, and under which conditions it should work?
- D. **Goal** → What are the desires of the stakeholders?



Answer → Follow the design cycle:

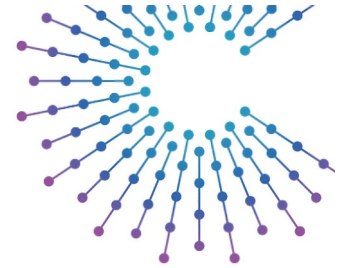


*Essential elements for designing an artifact, adapted from:
R. J. Wieringa, Design Science Methodology for Information Systems and Software Engineering.
Berlin, Heidelberg: Springer Berlin Heidelberg, 2014. doi: 10.1007/978-3-662-43839-8.

VSS design principles (simplified)

- A. **Problem context** → Disparate vehicle data models that lack proper semantics.
- B. **Artifact(s)** →
 - A modeling language,
 - Guidelines and best practices,
 - An specification of standard vehicle properties,
 - Other?
- C. **Requirements** → ??? → Currently, there is no unified set of functions and constraints!
- D. **Goal** → To minimize the effort needed to develop, extend, and maintain metadata of vehicle-related properties.

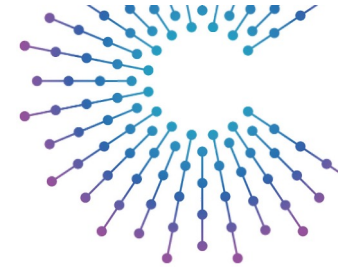
Demystifying the VSS (language) requirements



Please, visit the following COVESA wiki for the latest table that summarizes the VSS requirements:

<https://wiki.covesa.global/display/WIK4/Vehicle+Data+Model+Requirements+and+Proposed+Solutions>

Alternatives



Please, visit the following COVESA wiki for the latest table that summarizes alternatives to the VSPEC language:

<https://wiki.covesa.global/display/WIK4/Vehicle+Data+Model+Requirements+and+Proposed+Solutions>