

VERIFICATION
VALIDATION
METHODS

Final Event 21 / 22 November 2023

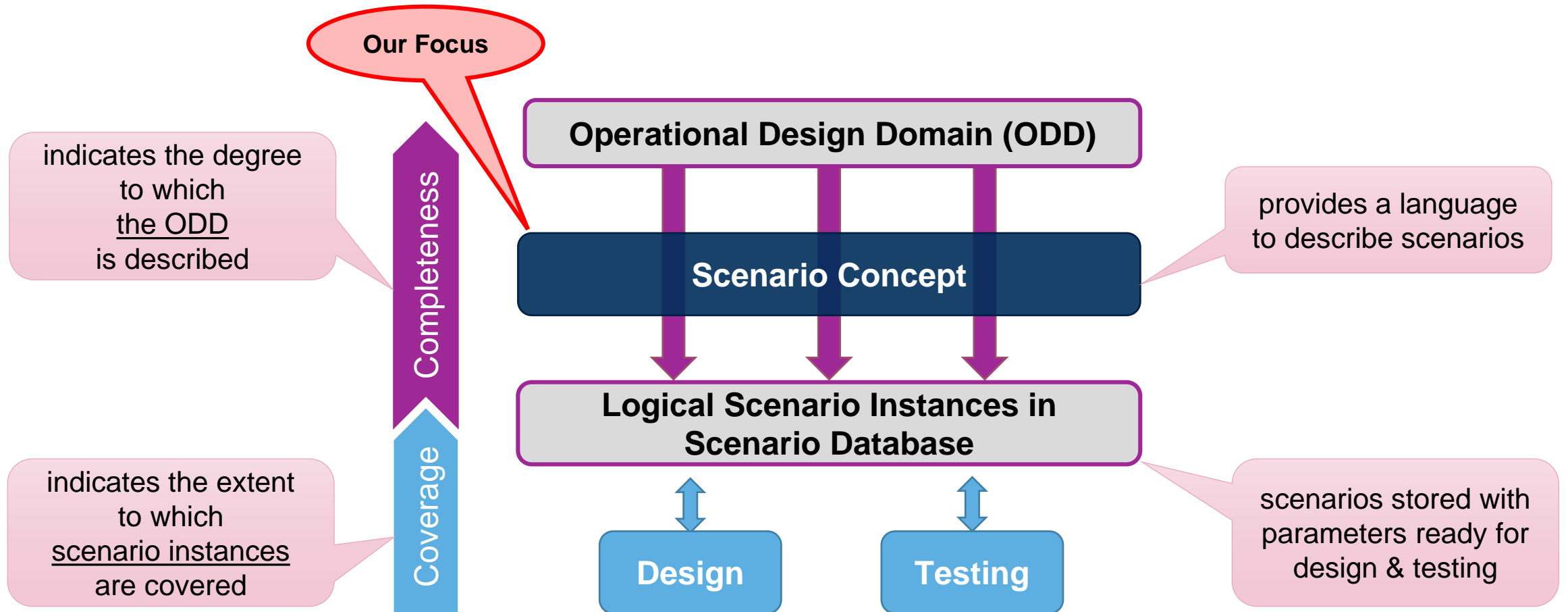
This is the VVM ODD coverage and modeling approach

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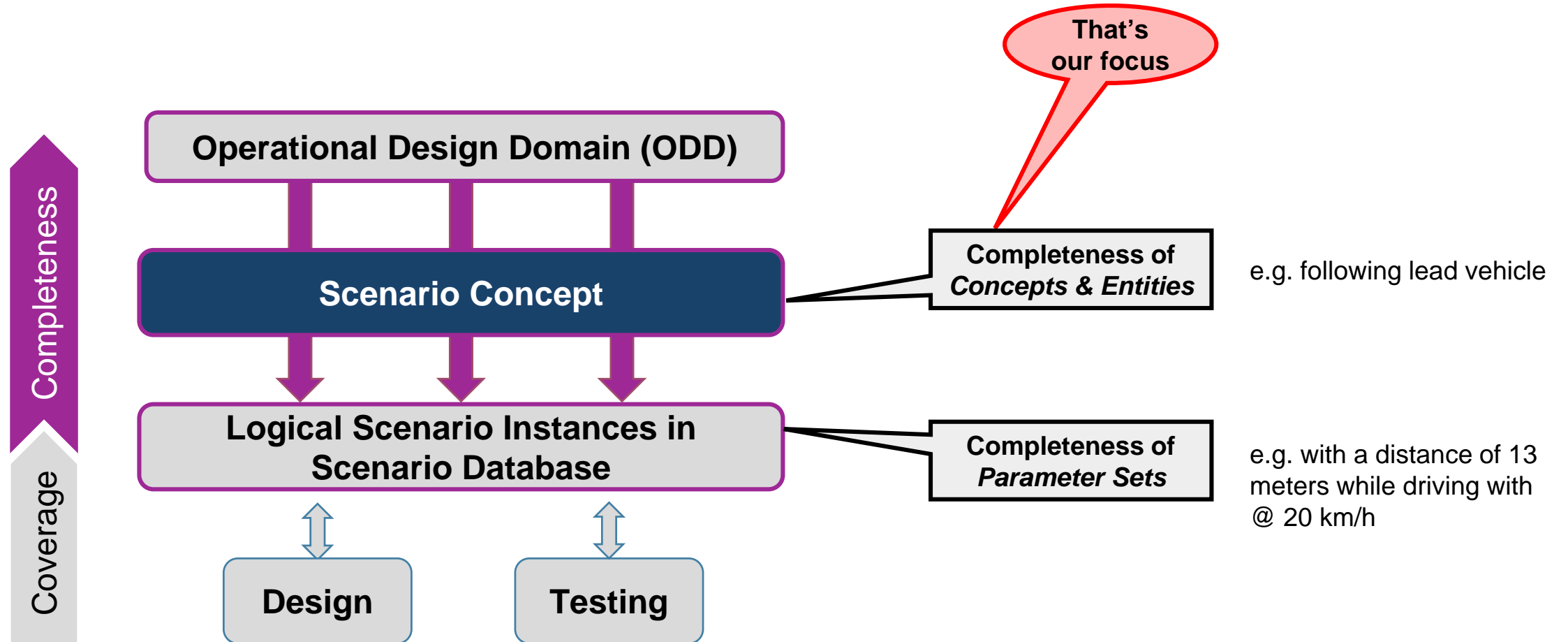
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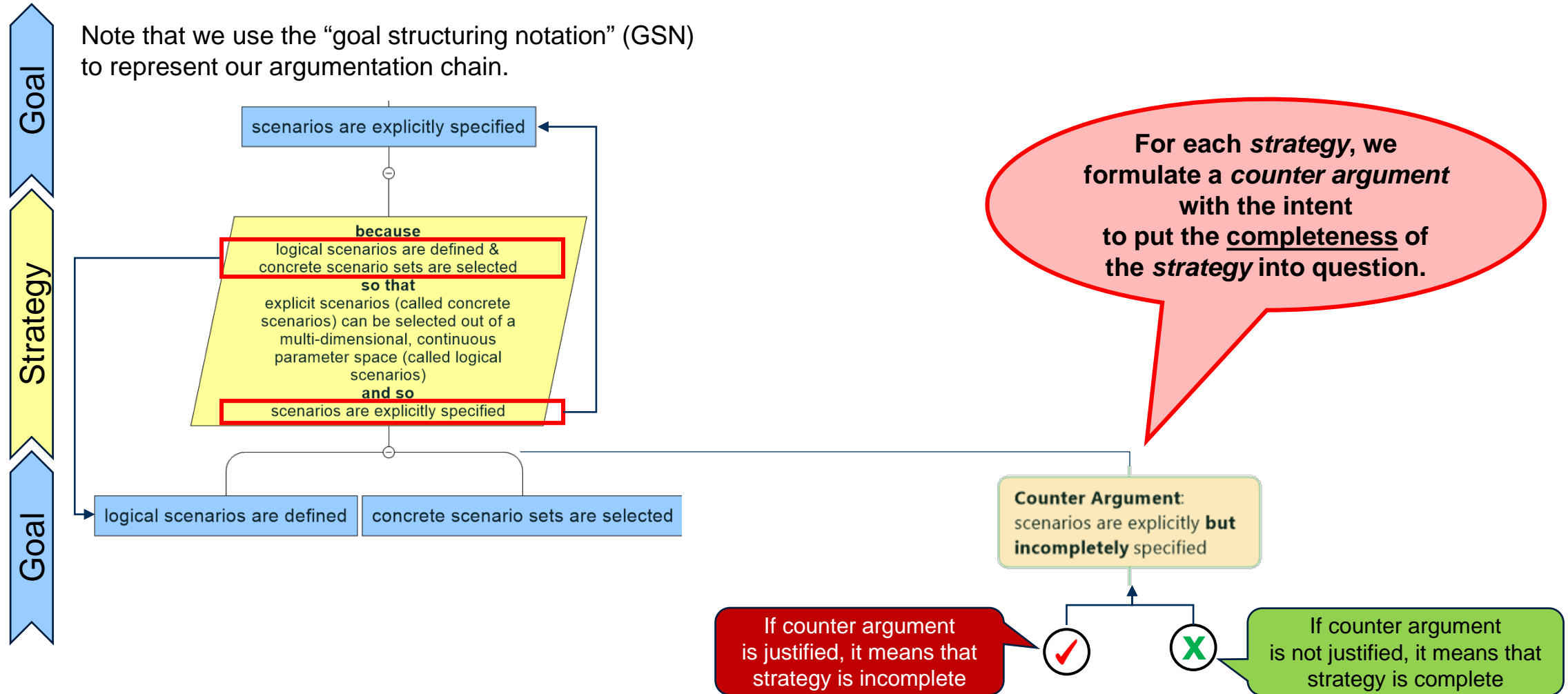
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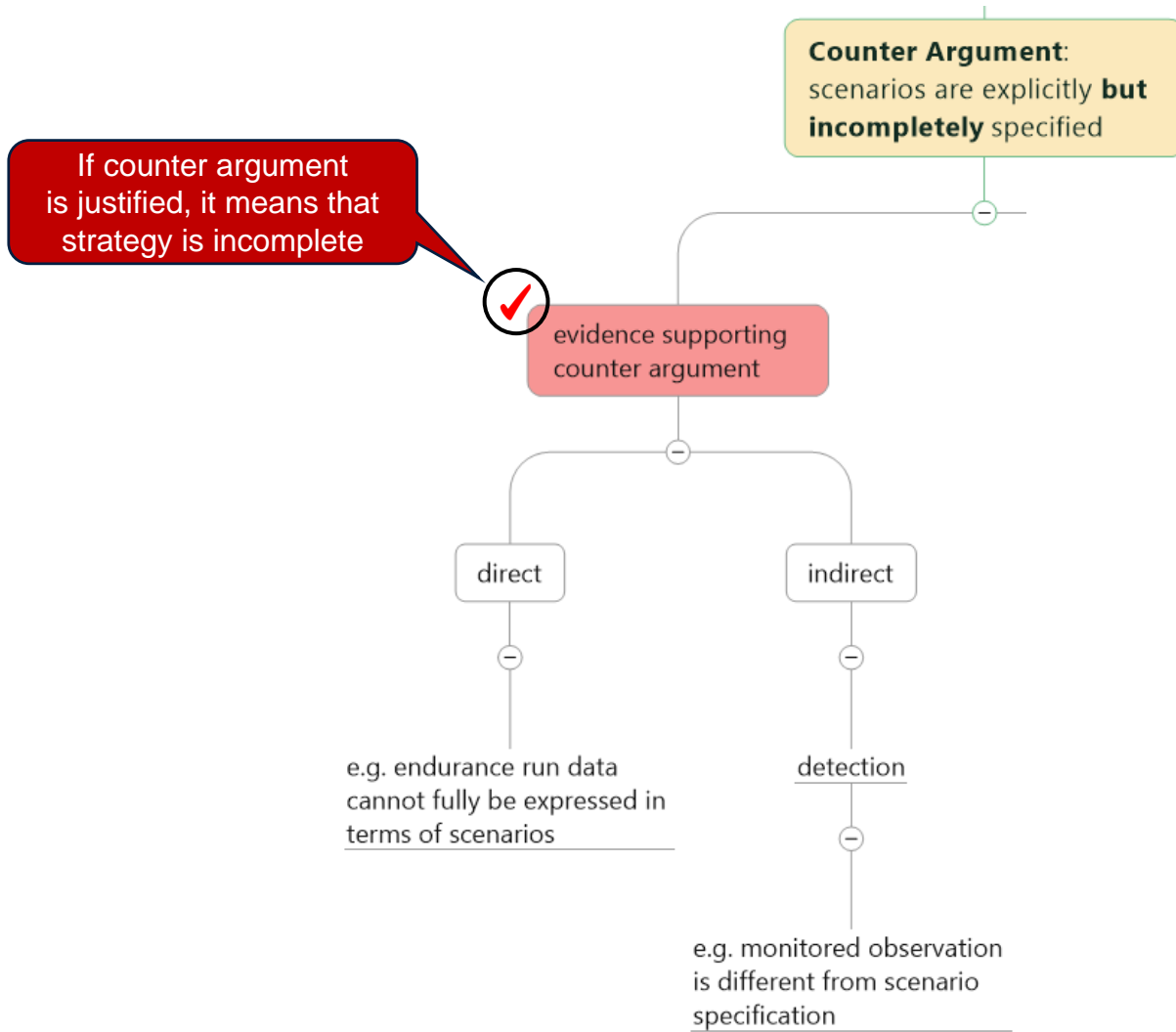
Note that any incompleteness of the *scenario concept* leads to incomplete scenarios.



Scrutinizing the Completeness of a Strategy



The Pattern for Structuring “Counter Arguments”



If counter argument is not justified, it means that strategy is complete

Why do we deal with the completeness of the scenario concept?

- ▶ It is a normative requirement according to SOTIF & AFGBV, just to mention a few.
- ▶ Safety is a guarantee for the provision of a specific system property within a specific context.
 - ▶ In case the described context is deficient, the safety claim will be inconclusive.
- ▶ Any incompleteness of the scenario concept leads to incomplete scenarios.

How did we deal with the completeness of the scenario concept?

- ▶ We elaborated a GSN argumentation that explains the soundness of the scenario concept.
- ▶ Next, we scrutinized the completeness of our argumentation by counter arguments.
- ▶ Finally, we have been seeking for evidence that support or refute the counter arguments.

Further information



Thank you!

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A project developed by the VDA Leitinitiative
autonomous and connected driving

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