



# Summary of workshop

- 1.) Building blocks identified in first workshop
- 2.) Current research on Virtual Testing
  - a.) NHTSA
  - b.) CATARC
  - c.) others (Euro NCAP, IIHS, HBM4VT,...)
- 3.) Discussion on requirements for virtual testing from contracting parties' view
- 4.) Discussion on strategies to enable virtual testing
- 5.) Definition of next steps





# Building blocks under discussion



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### Next steps

- 1. Define wording / glossary (starting point presented in the second workshop; to be refined during the work if needed)
- 2. Sketch General Process (to be discussed in next meeting on 12.4.2024)
- 3. Definition of loadcases
- 4. Requirements for occupant simulation models (ATDs & HBM)
- 5. Requirements for vehicle model validation (Standards)
- 6. Processes to combine occupant and vehicle model to a simulation loadcase/scenario
- 7. Requirements for FE Software
  - a. Process for traceability of model changes and linked results
  - b. Process for running models at technical service
- 8. Requirements for outputs / documentation
- Collaborations with other groups / experts?
  - Forum i.e. as policy lab
  - Cyber security
  - GRVA (e.g. R157)
  - SAR (specific absorption rate)
  - WP6 (Standardisation...)
  - Ask SAE to organise a workshop to better link with other disciplines?





# **EqOP Task Force on Virtual Testing**



"Assess virtual crash testing as a method in concerned regulations to improve equity in occupant protection further and define related requirements for the models and procedures, including how virtual testing can be validated with existing ATDs."

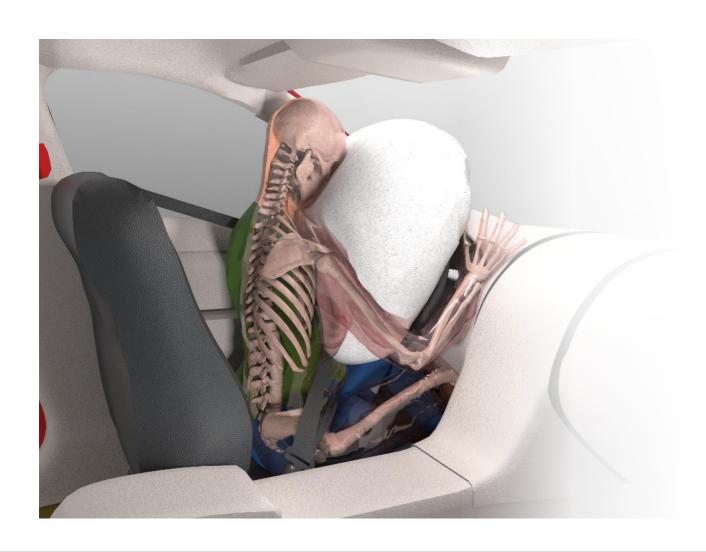
Define requirements for virtual crash testing process

Proof of concepts

Draft process for virtual crash testing including different options







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