

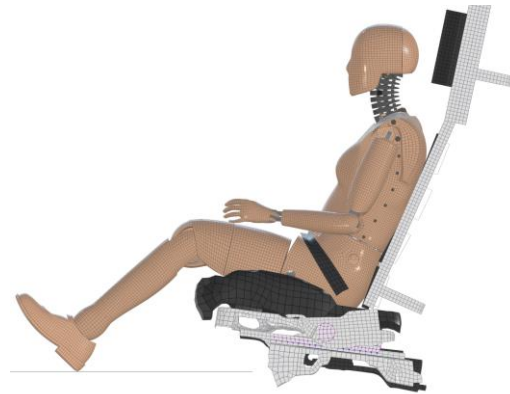
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# HUMANETICS CAE UPDATES



## EvaRID

- EvaRID is the first virtual model of a 50% female developed for low speed rear impact crash scenarios
- The EvaRID is based on the BioRID II Dummy but further adjusted in mass and dimensions to match the anthropometry of a 50% female
- IIHS, C-NCAP and Euro NCAP are highly interested to improve the safety of females in low speed rear impact crash scenarios
- C-NCAP announced to introduce EvaRID CAE model in their 2027 Virtual Testing protocols
- IIHS is working towards a new virtual testing procedure for low speed rear impact crash scenarios and considers to introduce EvaRID CAE model in 2026
- [EvaRID v1.5.1 FE Model](#) is released



## THOR-AV-50M

- THOR-AV-50M has the capabilities for highly reclined seating, with improved biofidelity for both upright and reclined positions
- The hardware is evaluated under nine sled conditions and various component tests across North America, Europe, and China, with ongoing studies in Japan
- In China, it addresses safety concerns related to zero gravity seats
- CAERI plans to incorporate the THOR-50M AV into C-IASI protocols by 2026, and C-NCAP plans to introduce the dummy in 2027
- [THOR-AV-50M FE Model](#) is available for use in simulation studies



## HH395

- From 2026, the HH395 dummy will be included in Euro NCAP virtual testing
- The newly released [HH395 v2.0](#) has undergone extensive validation through new component tests and a sled evaluation
- Newly validated component tests include: Neck Torsion, Lumbar Spine Pendulum, Lumbar Torsion, Abdomen Drop Tower, and Pelvis Pendulum Impact tests
- A draft ISO qualification report is available with the model to be ready for virtual testing
- Enhanced robustness and a 40% reduced CPU consumption have been achieved with the new CAE model

