

Advanced Crash Test Dummies & Occupant Protection

NHTSA Safety Research Portfolio Public Meeting: Fall 2022 November 1-3, 2022 Docket No. NHTSA-2022-0091

WorldSID-05F

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WorldSID-05F

Current Status

In research, not in rulemaking

Research docket for further details:

Docket ID NHTSA-2019-0109 NHTSA Crashworthiness Research – WorldSID-05F Documentation



WorldSID-05F Biofidelity Assessment

- NHTSA BioRank assessment showed that WorldSID-05F did not provide improved biofidelity as compared to the SID-IIs.
- Thorax biofidelity was the biggest concern.







WorldSID-05F Ongoing Work

- To address biofidelity concerns, NHTSA has contracted Humanetics ATD to perform a redesign of the thorax
- Collecting female-specific PMHS data for biofidelity and injury risk curve development
 - Thorax and pelvis impactor tests
 - Advanced Side Impact System (ASIS) sled tests

