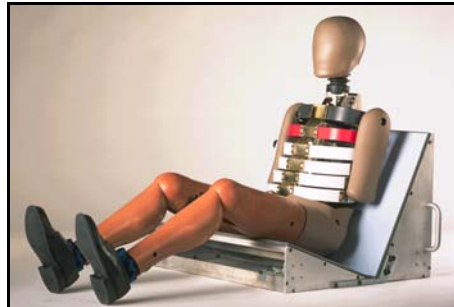


WorldSID Pre-Production Dummies Tested.....1

Draft of WorldSID ISO International Standard Submitted to WG 5.....2

WorldSID Pre-Production Dummies Tested

The fabrication, assembly, integration, and delivery of 11 WorldSID pre-production dummies, completed in July 2003, began an intensive series of worldwide tests to evaluate the performance of the pre-production design. To date, component, laboratory, and full scale tests have been performed in Asia-Pacific, the Americas and Europe by 15 test laboratories and research organizations and 10 automotive manufacturers.



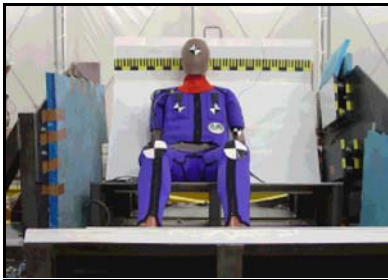
WorldSID Pre-Production Dummy with jacket removed

The combined effort of this testing will eventually include 30 full-scale in-vehicle crash tests.

All pre-production dummies were delivered with a variety of accelerometers, load cells, and IR-TRACCs for measuring displacements and with the optional, self-contained data acquisition systems (DAS) with 64 to 160 data channels.

Each of the three WorldSID re-

gions purchased WorldSID pre-production dummies, with three dummies being tested in the Asia-Pacific region, five in the Americas region, and three in the European region.



WorldSID ready for sled test



WorldSID positioned for car test

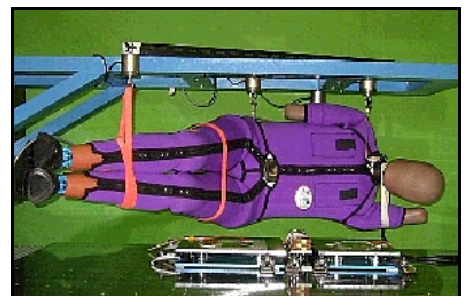
WP29 Agrees to Consider WorldSID as a Possible Replacement for Eurosid-1

During its November 2003 meeting, WP29 agreed that development of the WorldSID should be encouraged, and further agreed that EU member states will make proposals to incorporate the WorldSID in ECE Regulation 95 once the WorldSID is shown to be ready for use, in the expectation that this could be done before the end of the 36 month transitional period specified for ES-2 in the proposed amendment.

This action ensures that the door remains open for the WorldSID to be considered for adoption as a replacement in UN-ECE Regulations for EuroSID-1, which is scheduled to be phased out in 2007 in keeping with earlier GRSP decisions.

Another and separate discussion involves continued reporting to WP29/GSRP, as related to future potential use of WorldSID in any potential future Global Technical

Regulation for side impact protection.



WorldSID drop test

Draft of WorldSID ISO International Standard Submitted to WG 5



WorldSID Thorax Testing



WorldSID ISO TR9790 Testing

The Working Draft of the WorldSID International Standard, which was prepared by the Program Manager, the Design Team, the Task Group, and the Tri-Chair, has been submitted to Working Group 5 — Anthropomorphic Test Devices (WG5) for their consensus, after which it will be balloted by SC12 and TC22 committees of ISO.

ISO/WD 15830, entitled *Road vehicles - Anthropomorphic side impact dummy - Design and performance specifications for a 50th percentile male side impact dummy (WorldSID)*, is intended to provide regulation-ready documentation for the design and required performance specifications

of the WorldSID, for worldwide dummy manufacturing and regulatory use.

This International Standard is made up of the following four parts:

- 1 - Definitions, symbols, and rationale
- 2 - Mechanical subsystems
- 3 - Electronic subsystems
- 4 - User's manual

Latest WorldSID Publication

Hautmann et al, Updated Biofidelity Rating of the Revised WorldSID Prototype Dummy, 18th ESV Conference, Nagoya 2003



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The WorldSID Objective

To develop a new, globally accepted, advanced technology, side impact crash test dummy for improved assessment of injury risk to car occupants in lateral collisions.

WorldSID Contributors

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ACEA	JAMA	TNO
Autoliv	JARI	Toyota
Audi	LAB	Transport Canada
BMW	Lear	TRL
CEESAR	MIRA	TRW
DaimlerChrysler	NHTSA	Volvo
DTRS	Nissan	VW
FIAT	OSRP	
Ford	PDB	
GM	PSA	
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Learn more online at www.worldsid.org