



WorldSID 50th Positioning Procedure

23.09.2010

WorldSID 50th and 5th Informal Group Meeting

Draft 5.2:

seat adjustments:

- seat fore-aft: mid-track +20mm
- seat height: full down or manufacturers recommended position (MRP)
- initial seat back angle: 23°
- cushion angle: not defined
- support features: lowest or most open position

WorldSID-50th positioning:

- H-Point target: SAE HP -20 mm.
- Position H-Point of dummy to match +/- 5 mm of target.
- Adjust seatback until thorax angle is 0° +/- 1° or MRP.
- Adjust neck bracket to level head at 0° +/- 1°.
- Arms at 45° from coronal plane.

Draft 5.2

seat adjustments:

- ✓ seat fore-aft: mid-track +20mm
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reconsidered
by PDB

WorldSID-50th positioning:

- ✓ H-Point target: SAE HP -20 mm.
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- **Adjust seatback until thorax angle is 0° +/- 1° or MRP.**
- **Adjust neck bracket to level head at 0° +/- 1°.**
- ✓ Arms at 45° from coronal plane.

Issues under Discussion

- Full down vs. mid-height.
- Ribs $0^\circ \rightarrow$ non realistic large seat back angles (26-27 $^\circ$).
- Good repeatable dummy position particularly an accurate head position (pole impact).
- Procedure for WS-5 should be based on WS-50 procedure.

PDB-Proposal

WorldSID-50th positioning:

- H-Point target: SAE HP -20 mm.
- Position H-Point of dummy to match +/- 5 mm of target. **A procedure (priority list) how to reach the H-Point target is needed.**
- **Adjust seat back to get an **UMTRI angle is 12° +/- 0,2°** with **head at 0° (+/- 0,2°)** by adjusting neck-bracket OR manufactures position.**
- Arms at 45° from coronal plane.

