

Automating DVPR report generation by auto-filling unmeasured seat position as **OK** in excel

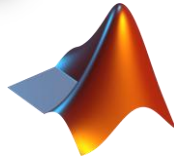
Motivation & Objective

- ✓ Manually measuring all seat positions in SBR sensor testing for DVPR reports is slow and repetitive
- ✓ **Goal:** Automate the TOMMAT system to reduce manual testing effort
- ✓ **Solution:** Auto-fill missing seat positions as **OK** in Excel based on boundary checks



Solution Architecture

- **Input:** Measurements & Criteria
- **Core:** CheckPassedFast
- **Decision:** Boundary pass checks
- **Output:** Comput DVPR in Excel (OK auto-filled)



Approach



Measure key seat positions first/last



New algorithm decides **if** boundary values pass



If acceptable, auto-fill missing positions as **OK**

Key Features

- ✓ Fast boundary check evaluation
- ✓ Automatic OK filling for unmeasured positions
- ✓ Direct Excel DVPR write

The approach reduces manual measurement effort and speeds up DVPR reporting by auto-completing missing positions as OK when boundary check pass

Results

- ✓ Faster DVPR creation
- ✓ Fewer required measurements
- ✓ Auto-fill missing positions in Excel

Future Work:

- Add position template for structured automation

