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



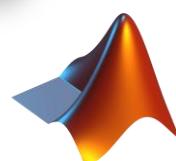
SBR seat sensor

## 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:** Compute 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

