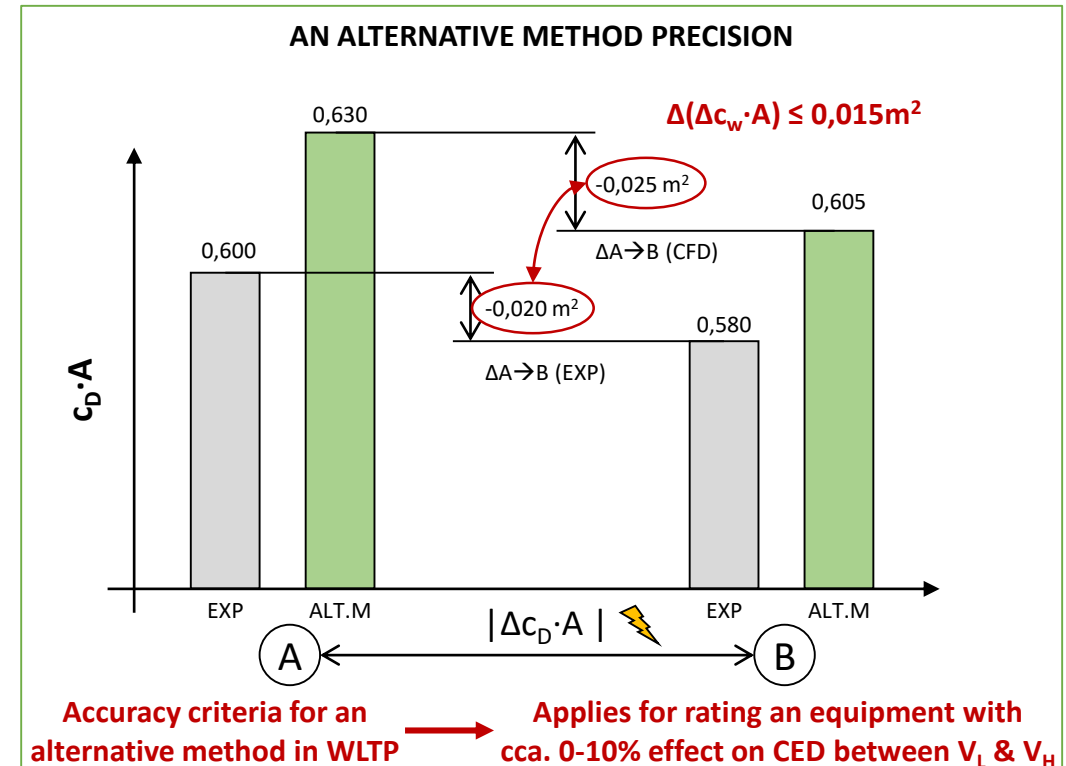
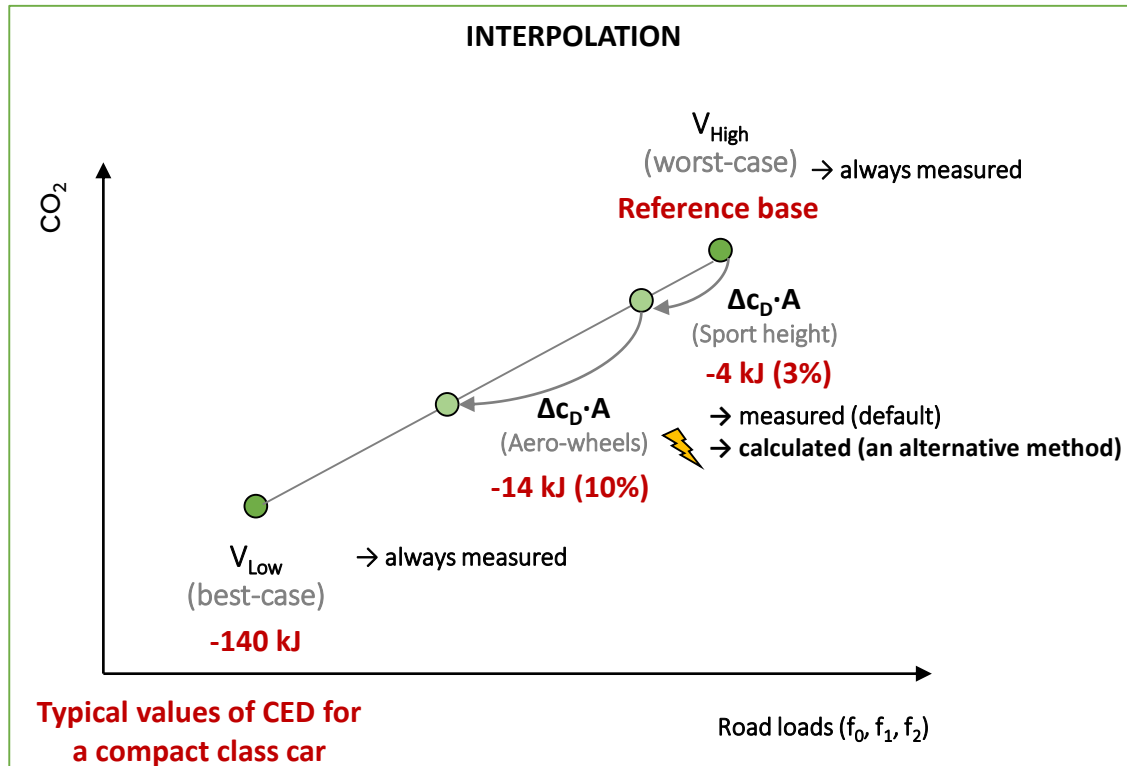


# PREMISES FOR AN ALTERNATIVE METHOD

EXAMPLE

- A. No interpolation: worst-case  $c_D \cdot A$  is always measured
- B. Inteprolation: worst-case, best-case  $c_D \cdot A$  is always measured
- individual vehicle - equipment  $\Delta c_D \cdot A$  can be measured (default)
- can be calculated (an alternative method, eg. CFD) ⚡



## Application of an alternative method:

1. Makes the type-approval process significantly more effective; highly variable equipment can be calculated and not measured
2. Has a relatively marginal effect on the whole car; V<sub>L</sub> & V<sub>H</sub> measured; aero-effect of a single equipment cca. 0-10% of  $\Delta CED_{L \rightarrow H}$

OEM = manufacturer  
 TS = technical service  
 TAA = type approval authority

# CERTIFICATION PROCESS OF AN ALTERNATIVE METHOD

**PROPOSAL**

