

EV Postprocessing For WLTP Phase 2

FOR SG EV MEETING, 25TH OF APRIL 2016

PARIS

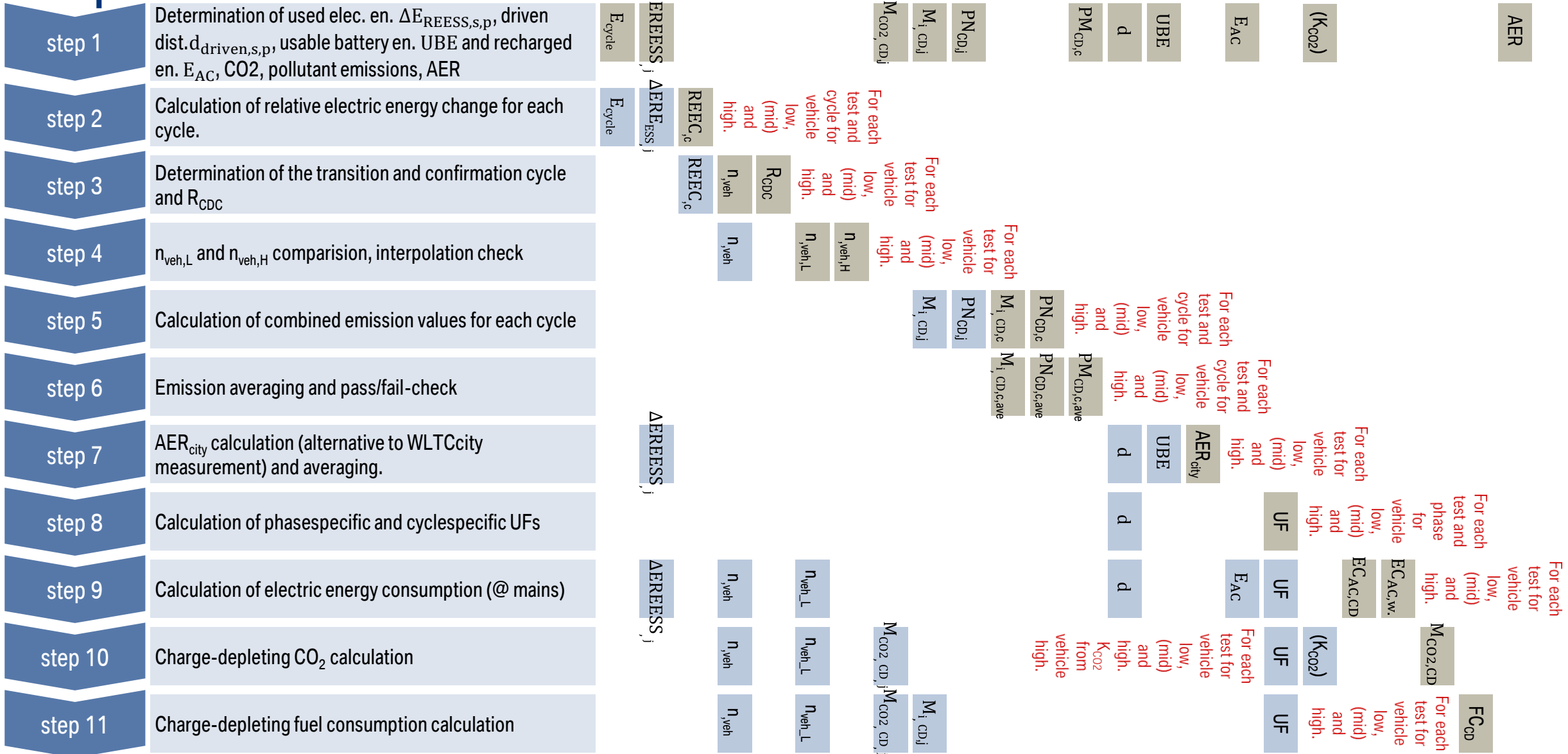


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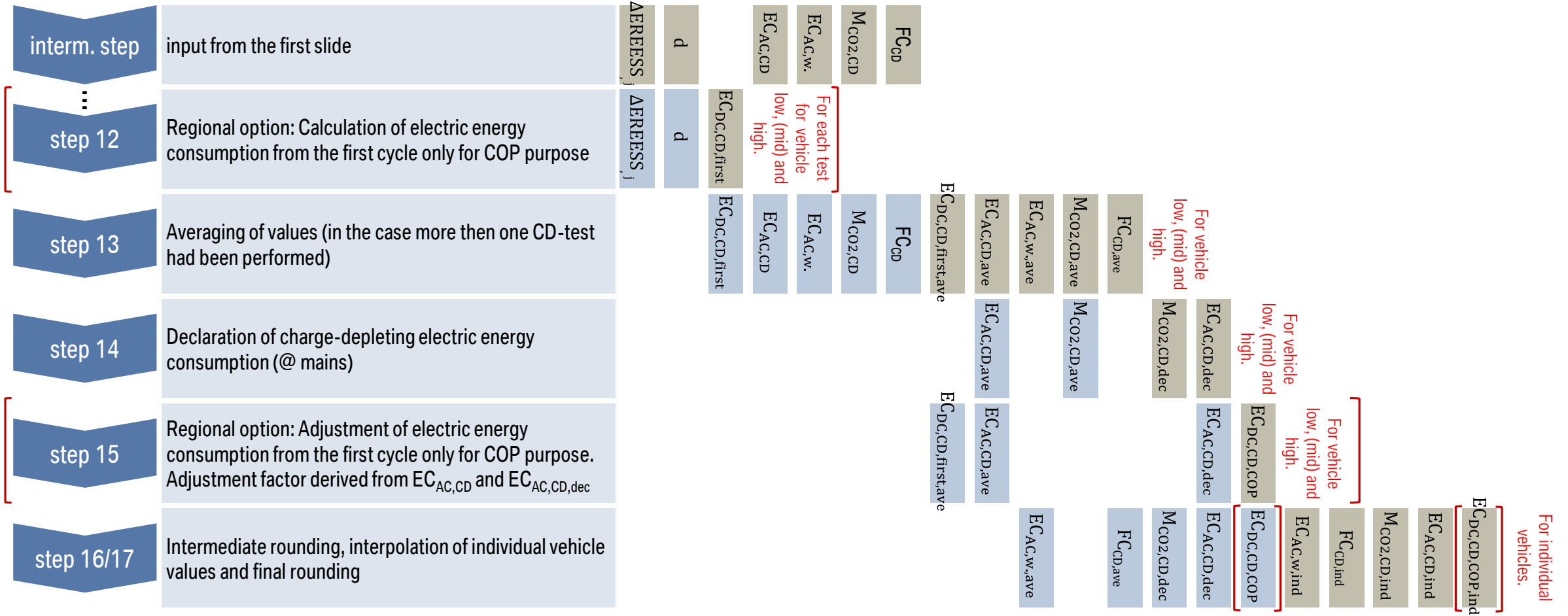
EV POSTPROCESSING FOR OVC-HEV



EV POSTPROCESSING OVC-HEV CD(1)

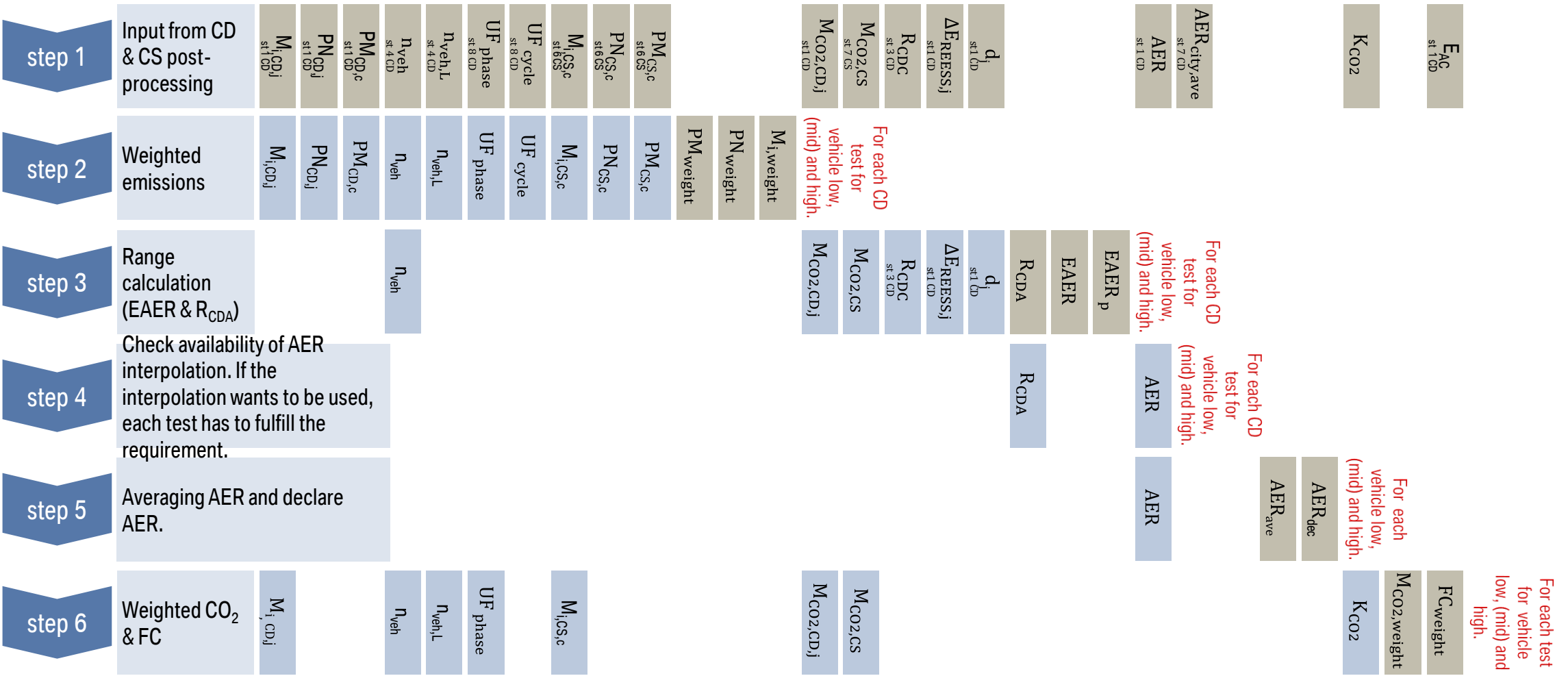


EV POSTPROCESSING OVC-HEV CD(2)

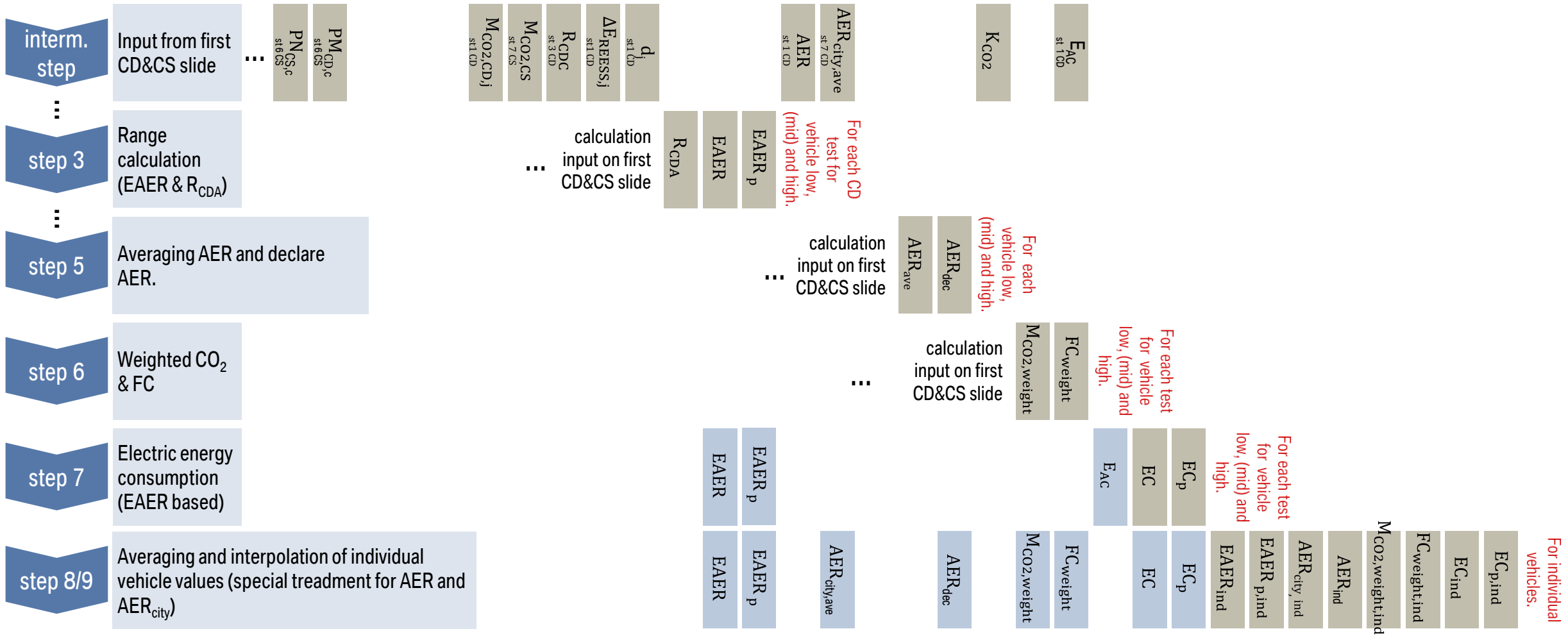


Note:
 The AER interpolation first has to be checked with a criteria that depends on R_{CDA} → slide for CD & CS merging
 Same n_{veh_L} and n_{veh_H} is necessary if more than one charge-depleting test shall be averaged.
 UF coefficients not shown in this figure, but of course necessary.

EV POSTPROCESSING OVC-HEV CD+CS(1)



EV POSTPROCESSING OVC-HEV CD+CS(2)





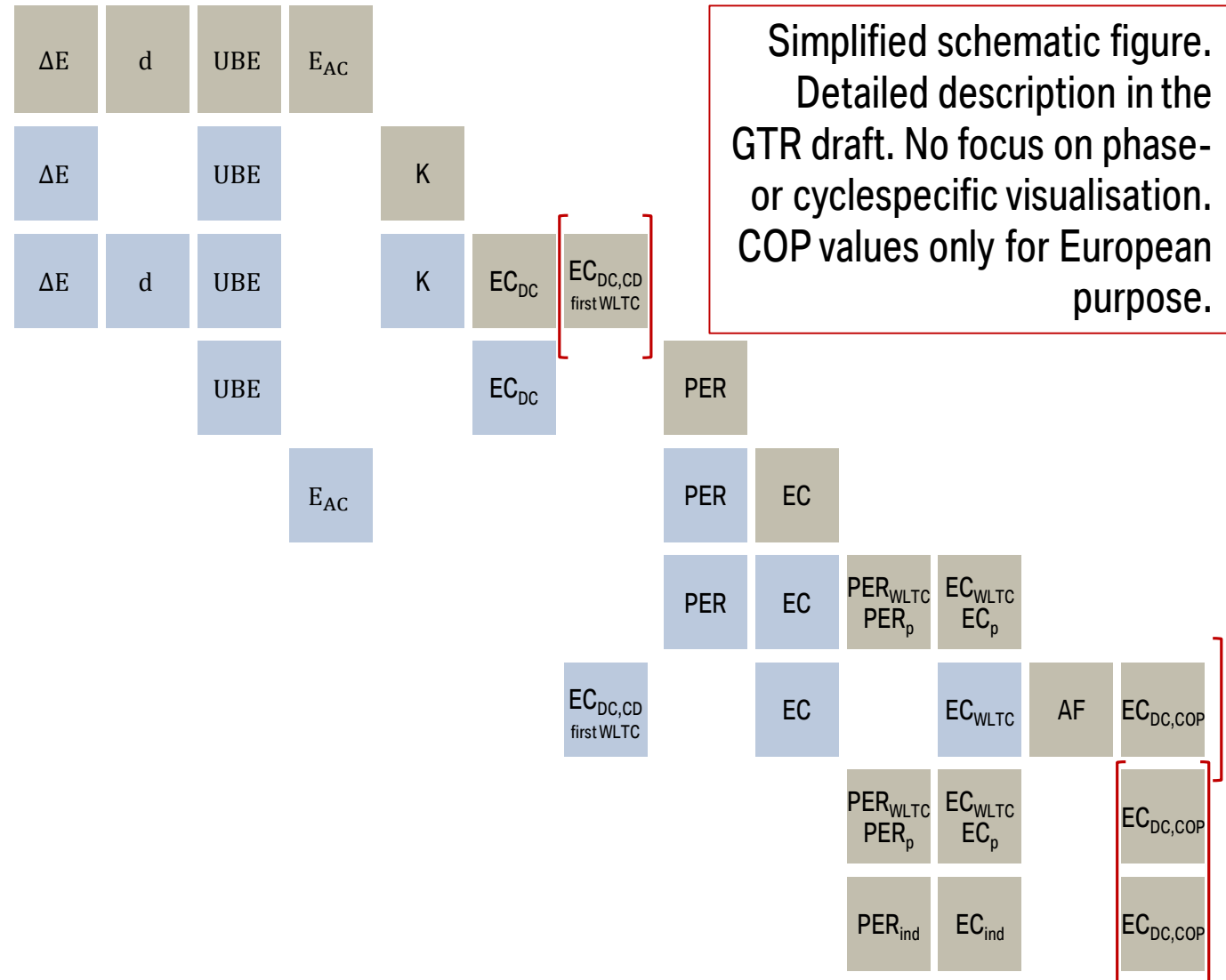
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EV POSTPROCESSING FOR PEV (STP)



EV POSTPROCESSING PEV (STP)

- step 1** Determination of used electric energy $\Delta E_{REESS,s,p}$, driven distances $d_{driven,s,p}$, usable battery energy UBE and recharged energy E_{AC}
- step 2** Calculation of weighting factors
- step 3** Calculation of electric energy consumption (@REESS)
- step 4** Calculation of pure electric range
- step 5** Calculation of electric energy consumption (@ mains)
- step 6** Averaging of tests and declared value
- step 7** Adjustment of electric energy consumption for COP
- step 8** Final results (vehicle low and high) for the interpolation and intermediate rounding
- step 9** Interpolation for individual vehicle values



Simplified schematic figure. Detailed description in the GTR draft. No focus on phase- or cyclespecific visualisation. COP values only for European purpose.



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Thank you for
your attention

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