GTR – Consumption and range values

Combined Approach

GTR – Consumption and range values

OVC – HEV

GTR – Consumption and range values

Combined Approach – min-approach for OVC-HEV

Heute gemäß GTR.

Werte	WLTC (Low+Mid+High+exHigh)		WLTC (Low+Mid+High)		$WLTC_{city}$ (Low + Mid)		Low		Mid		High		exHigh	
	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP
CO_2/FC_{CD}														
CO_2/FC_{CS}	x			x				x		x		x		x
$CO_2/FC_{weighted}$	x			x										
EC_{CD}														
$EC_{weighted}$	x			x										
EC								x		x		x		x
E_{AC}														
R_{CDC}														
AER	WC			WC	WC	WC								
$EAER$	x			x				x		x		x		x
R_{CDA}								x		x		x		x

Discussion on EC and JP level concerning the need of these values

Would it be sufficent to calculate with CA

- Two values for CO_2 (proposed value is: $CO_{2,weighted}$, $CO_{2,CS}$)
- One value for EC (proposed value: $EC_{weighted}$)
- Two values for range (proposed value: EAER, AER)

For these values, CA has to be validated during phase 1b
For these values, CA has to work in every case

ACEA suggestion for phase 1b:

CA has to work proposed values (current GTR values)

CA for PSC: Phase 2 topic!!!

Combined Approach is working
(BUT: further validation and verification work necessary)

GTR – Consumption and range values

NOVC – HEV

GTR – Consumption and range values

Combined Approach – min-approach for NOVC-HEVs

Heute gemäß GTR.

Werte	WLTC (Low+Mid+High+ exHigh)		WLTC (Low+Mid+High)		$WLTC_{city}$ (Low + Mid)		Low		Mid		High		exHigh	
	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP
CO_2/FC_{CD}														
CO_2/FC_{CS}	x			x				x		x		x		x
$CO_2/FC_{weighted}$														
EC_{CD}														
$EC_{weighted}$														
EC														
E_{AC}														
R_{CDC}														
AER														
$EAER$														
R_{CDA}														

!

Combined Approach also for Phase Specific Values!

CA is working for these values

There is a big need from legislator perspective concerning these values

CA for PSC is a very important phase 1b topic

Combined Approach is working
(BUT: further validation and verification work necessary)

!

GTR – Consumption and range values

PEV

GTR – Consumption and range values

Combined Approach – min-approach for PEVs

Heute gemäß GTR.

Werte	WLTC (Low+Mid+High+exHigh)		WLTC (Low+Mid+High)		$WLTC_{city}$ (Low + Mid)		Low		Mid		High		exHigh	
	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP	EU	JP
CO_2/FC_{CD}														
CO_2/FC_{CS}														
$CO_2/FC_{weighted}$														
EC_{CD}														
$EC_{weighted}$														
EC	x			x				x		x		x		x
E_{AC}														
R_{CDC}														
AER	x			x	x	x								
EAER														
R_{CDA}														

Discussion on EC and JP level concerning the need of these values

ACEA suggestion for phase 1b:

CA has to work for all current PEV GTR values

CA for PSC: Phase 2 topic!!!