



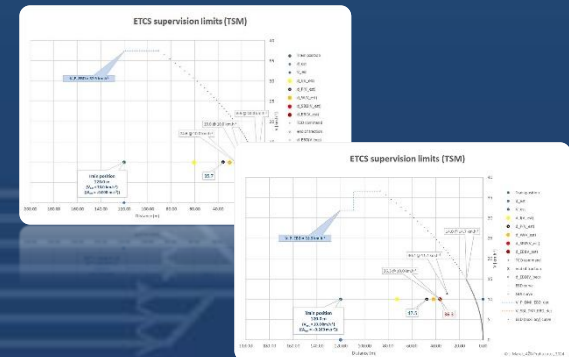
AŽD Praha s.r.o.

How can the braking curves be adapted to a more realistic behaviour of the rolling stock?

Jakub Marek

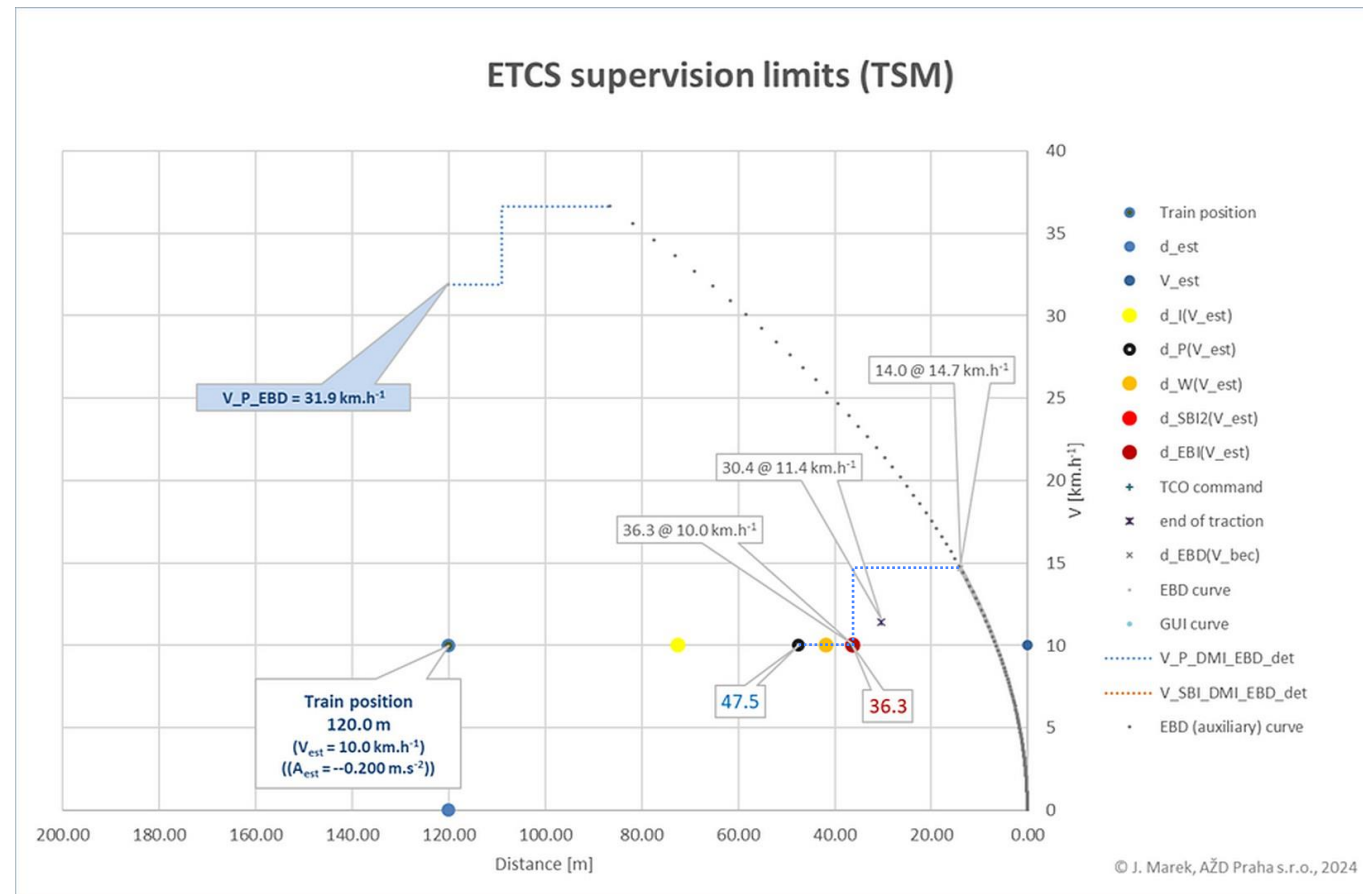
UNISIG Braking curves TF Leader, representing the AŽD Praha company

UNISIG Super Group Leader, representing the AŽD Praha company



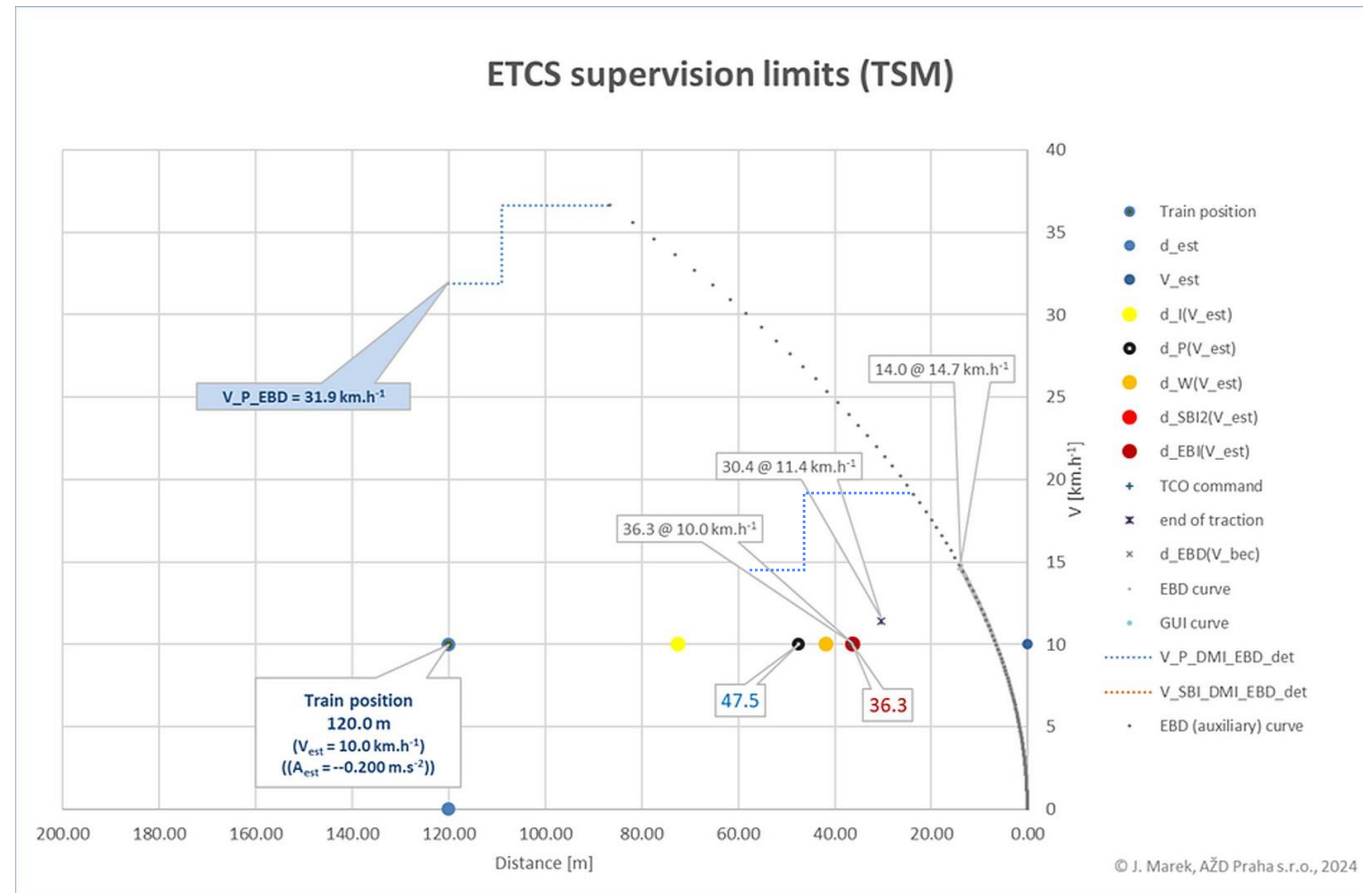
Fluctuation of the displayed speed(s) on the DMI

- How is V_P_DMI derived from the (EBD) curve?



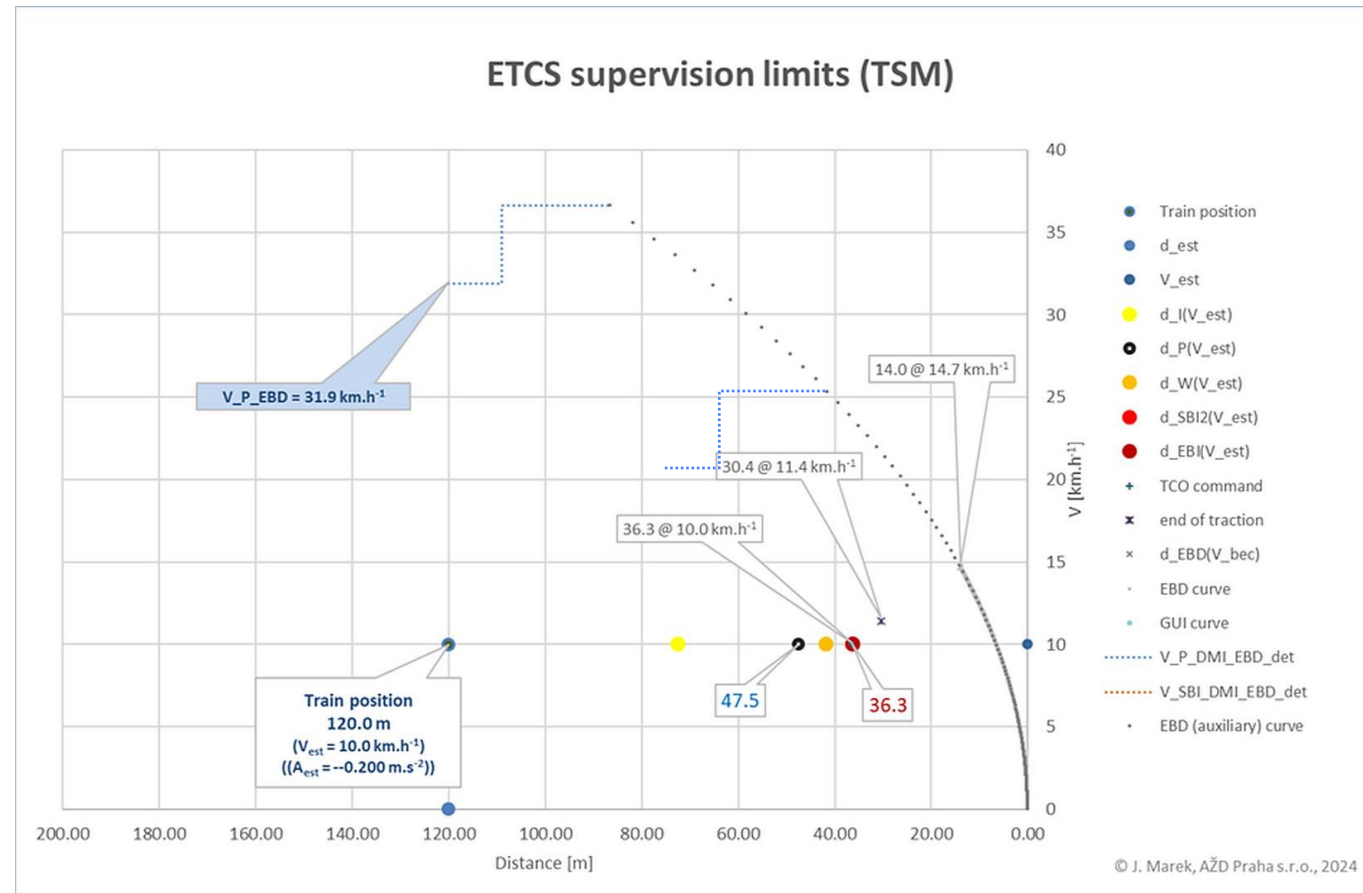
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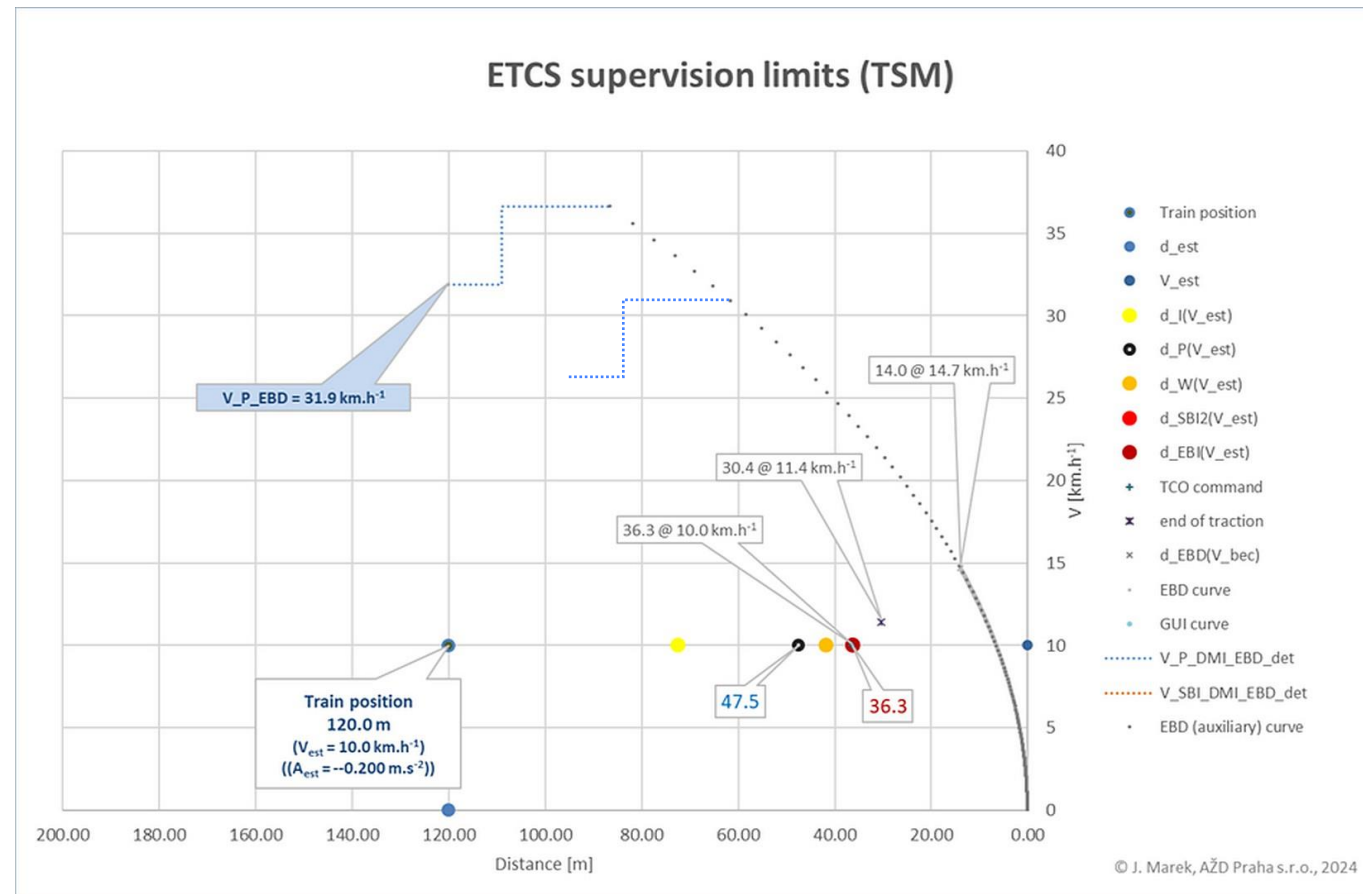
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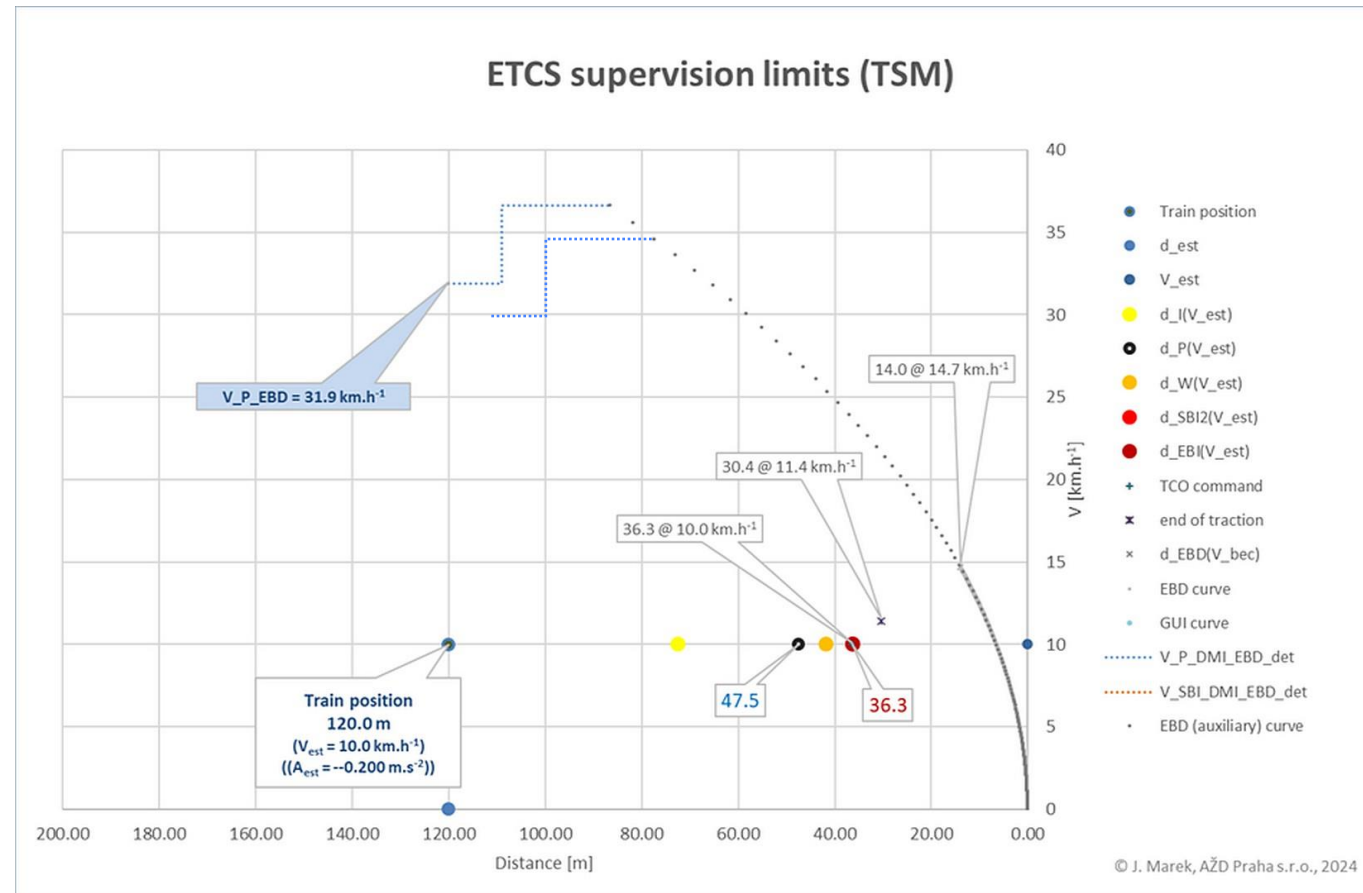
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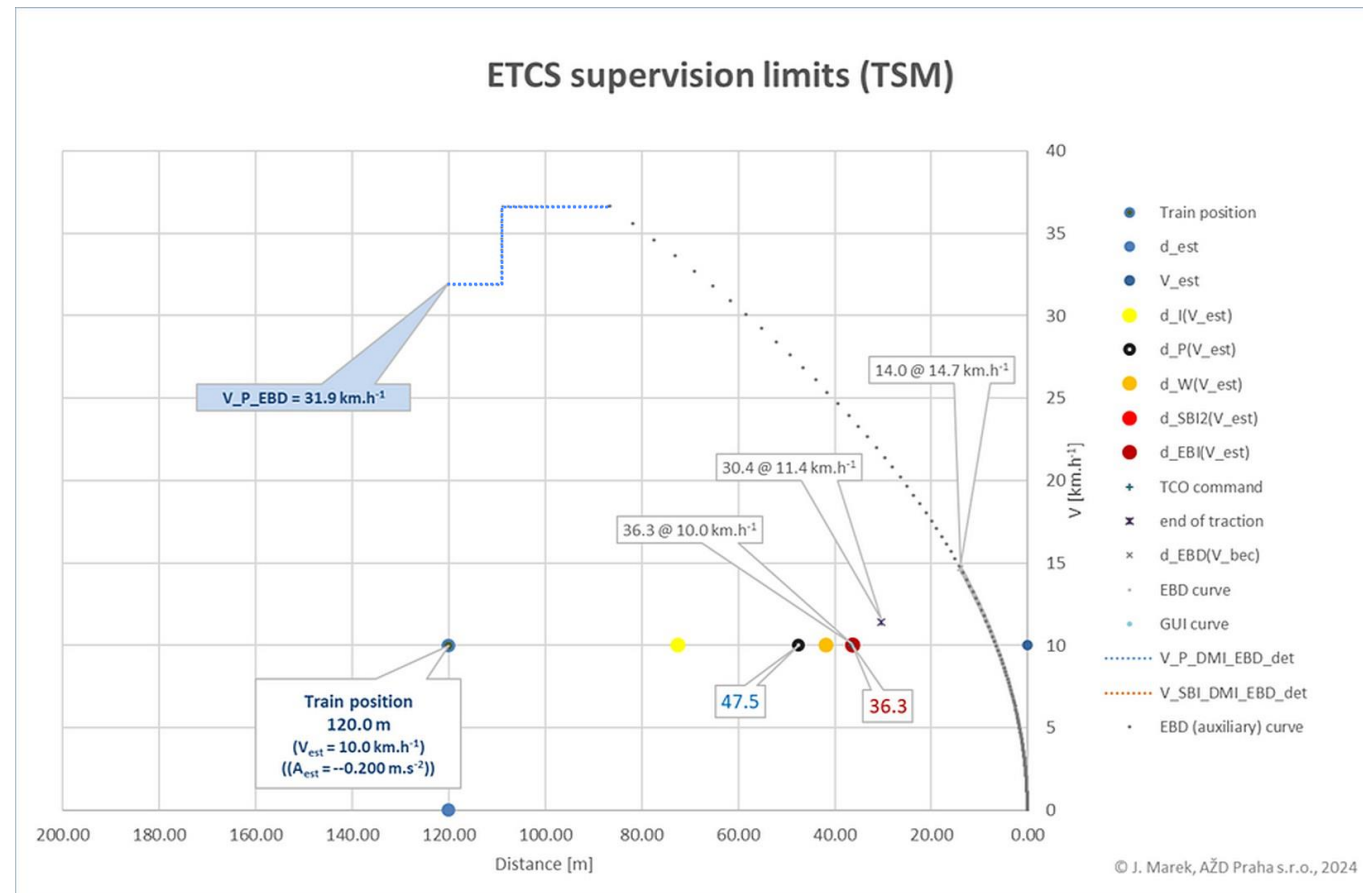
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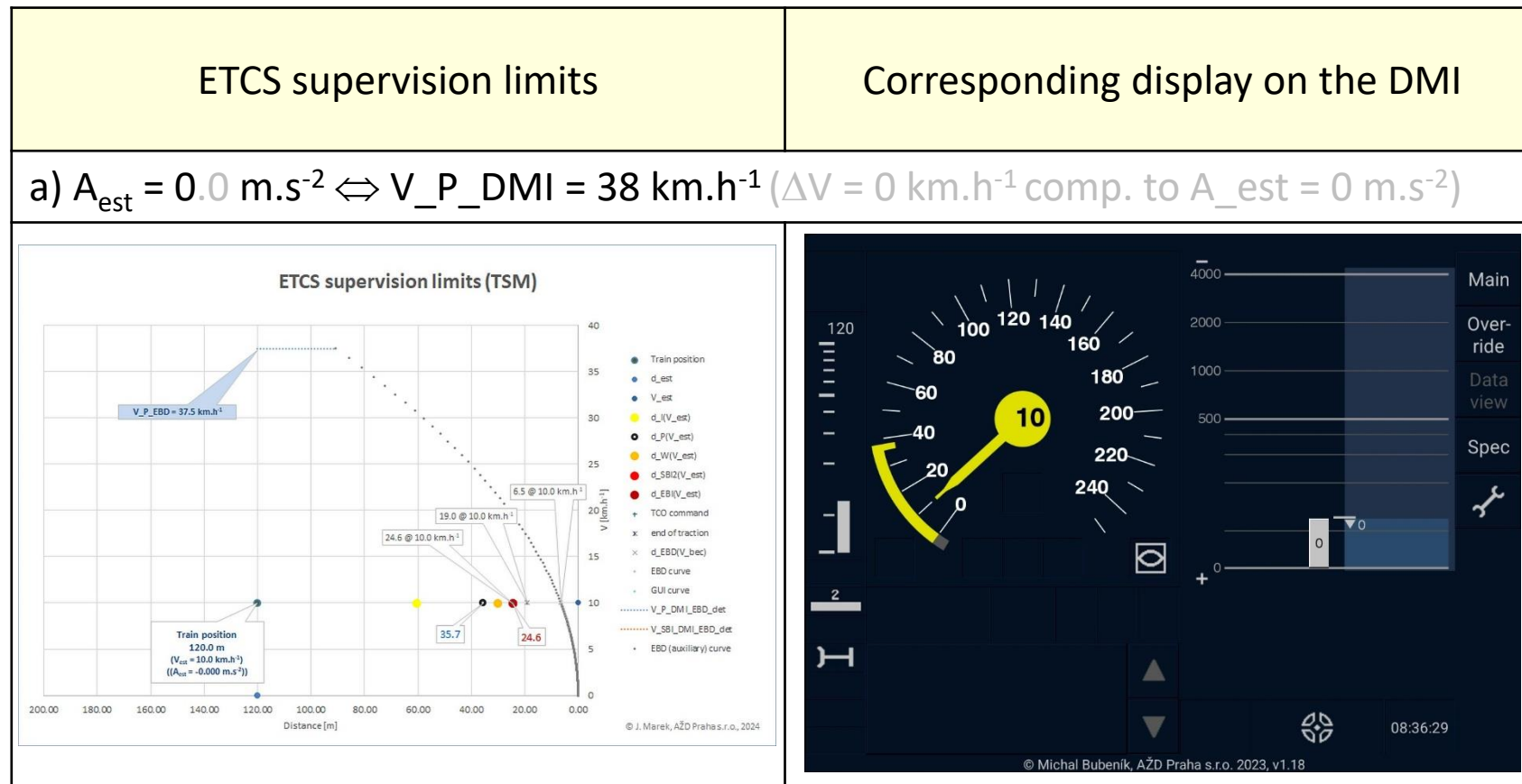
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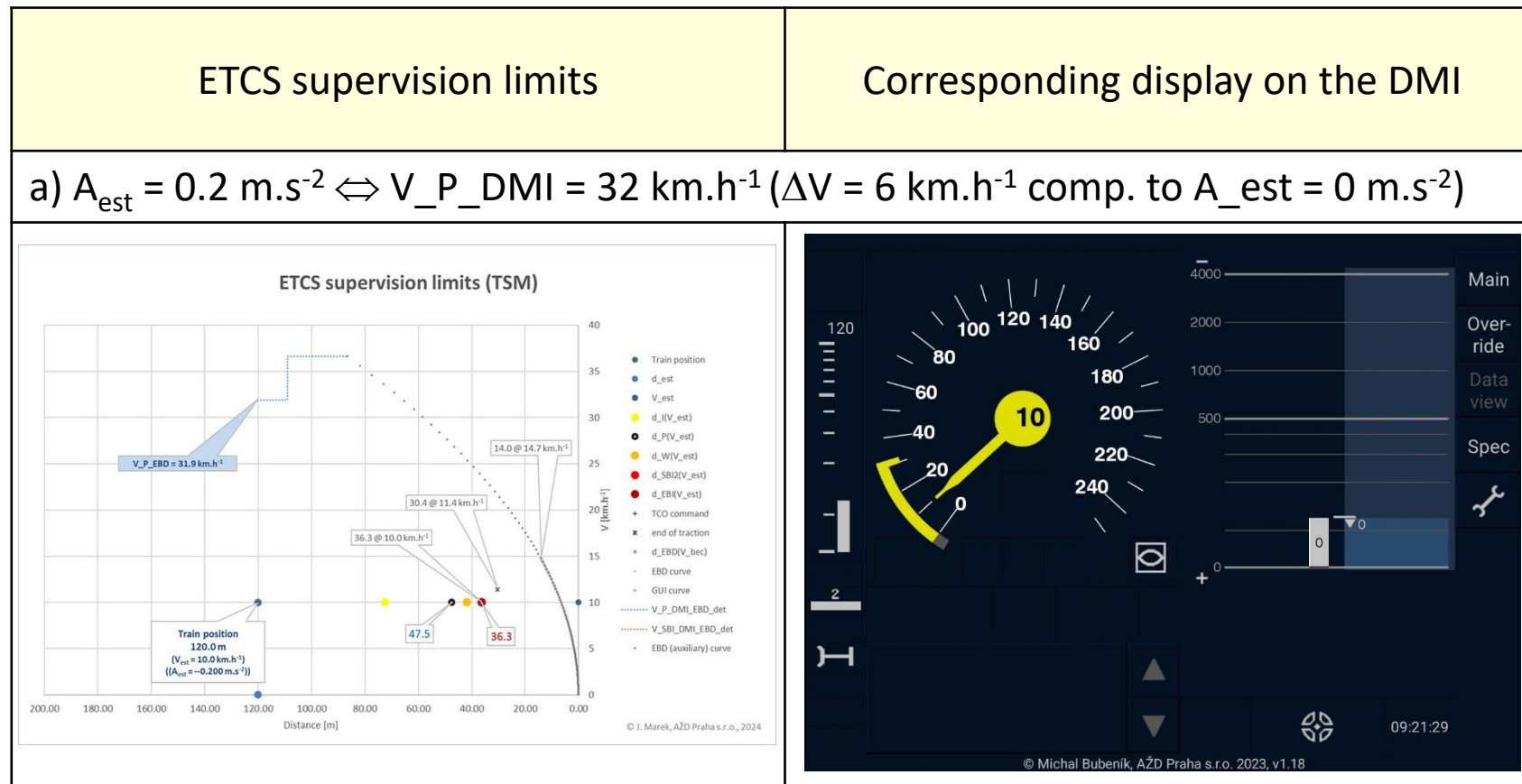
Fluctuation of the displayed speed(s) on the DMI

- Fluctuation = $f(A_{est})$: $A_{est} \nearrow V_P_DMI \searrow$ (see $A_{est} = 0 \text{ m.s}^{-2}$ as a ref.)



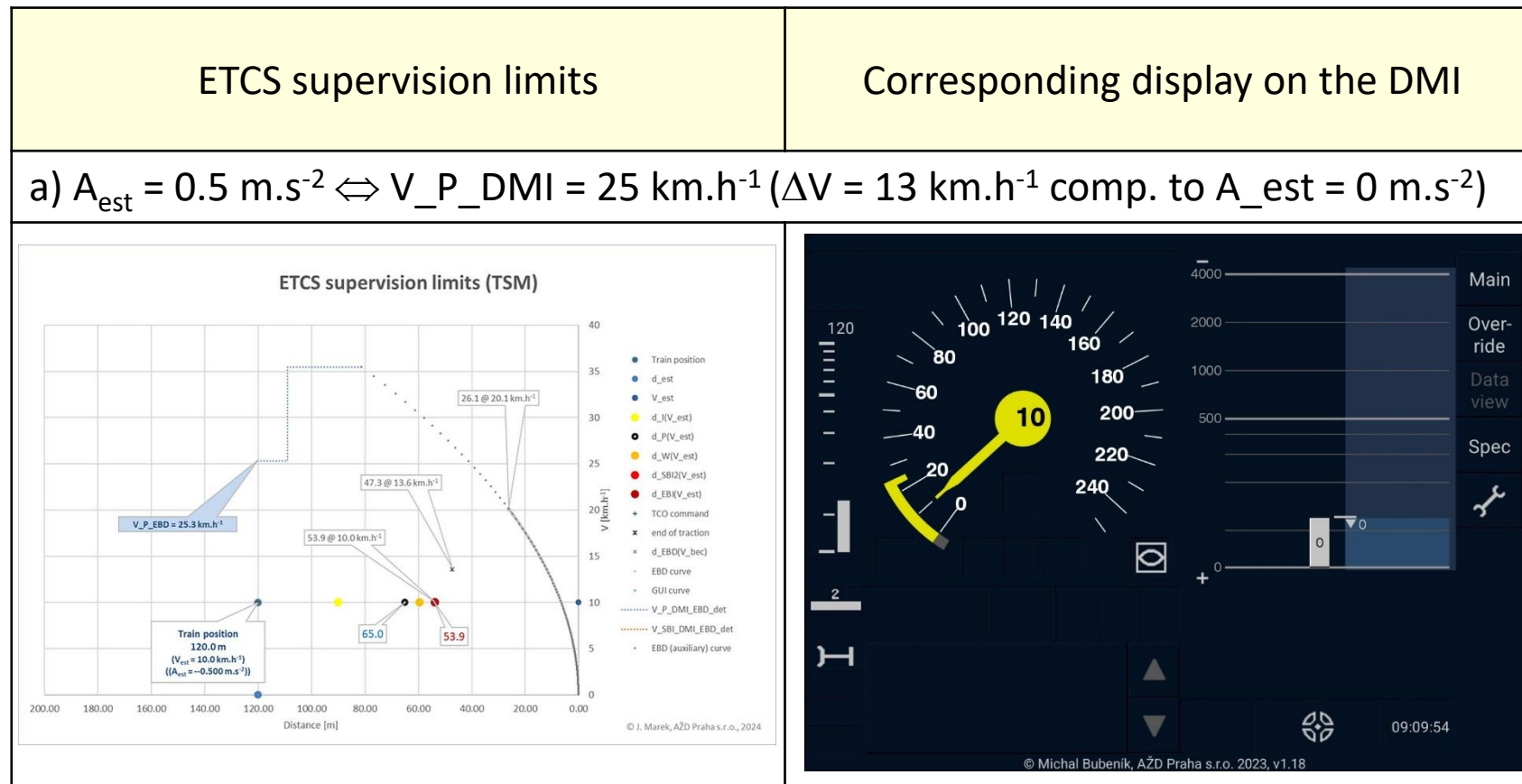
Fluctuation of the displayed speed(s) on the DMI

- Fluctuation = $f(A_{est})$: $A_{est} \nearrow V_P_DMI \searrow$ (e.g., $A_{est} = 0$ vs. 0.2 m.s^{-2})



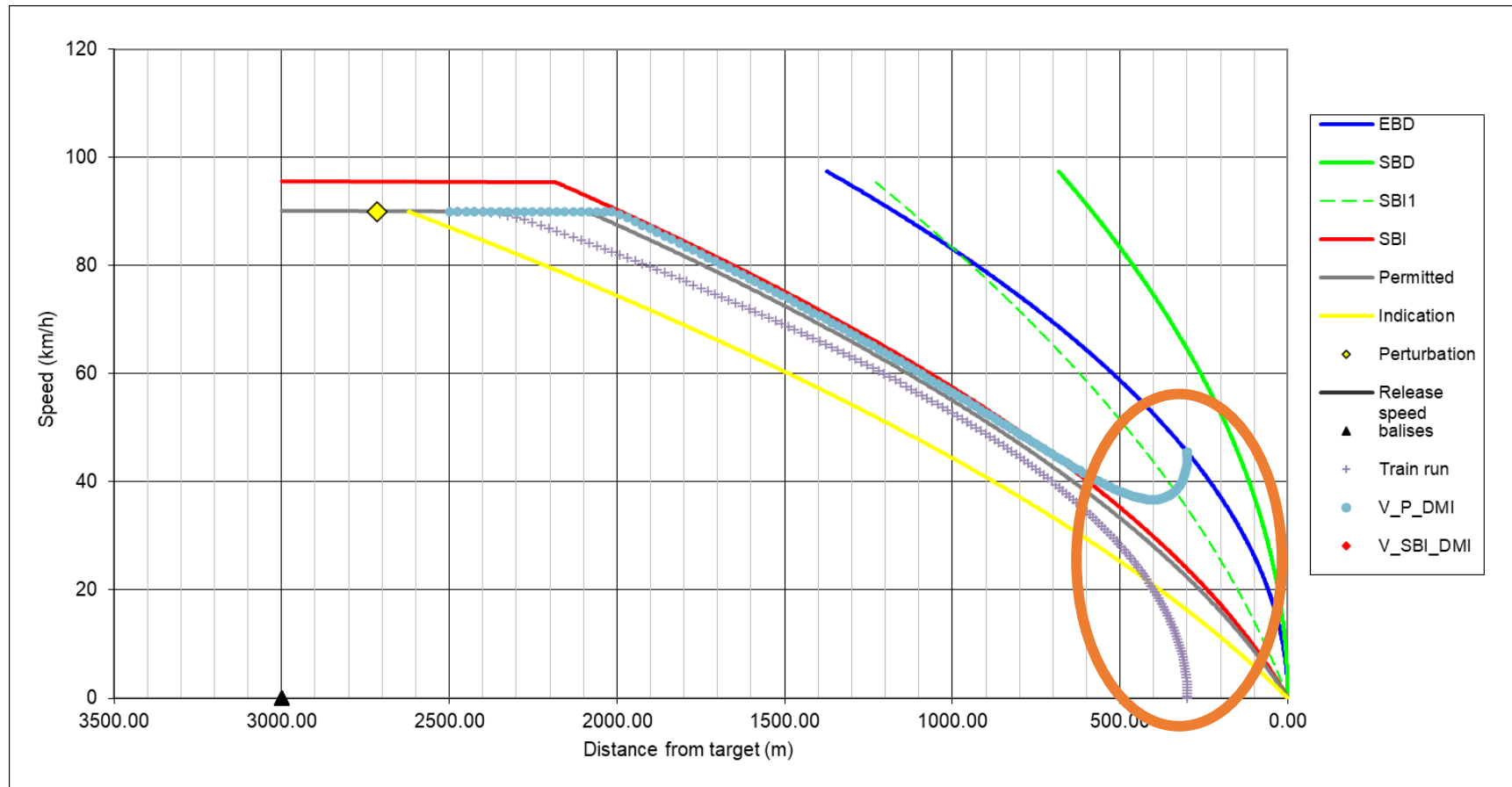
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- Fluctuation = $f(A_{est})$: $A_{est} \nearrow V_P_DMI \searrow$ (e.g., $A_{est} = 0$ vs. 0.5 m.s^{-2})



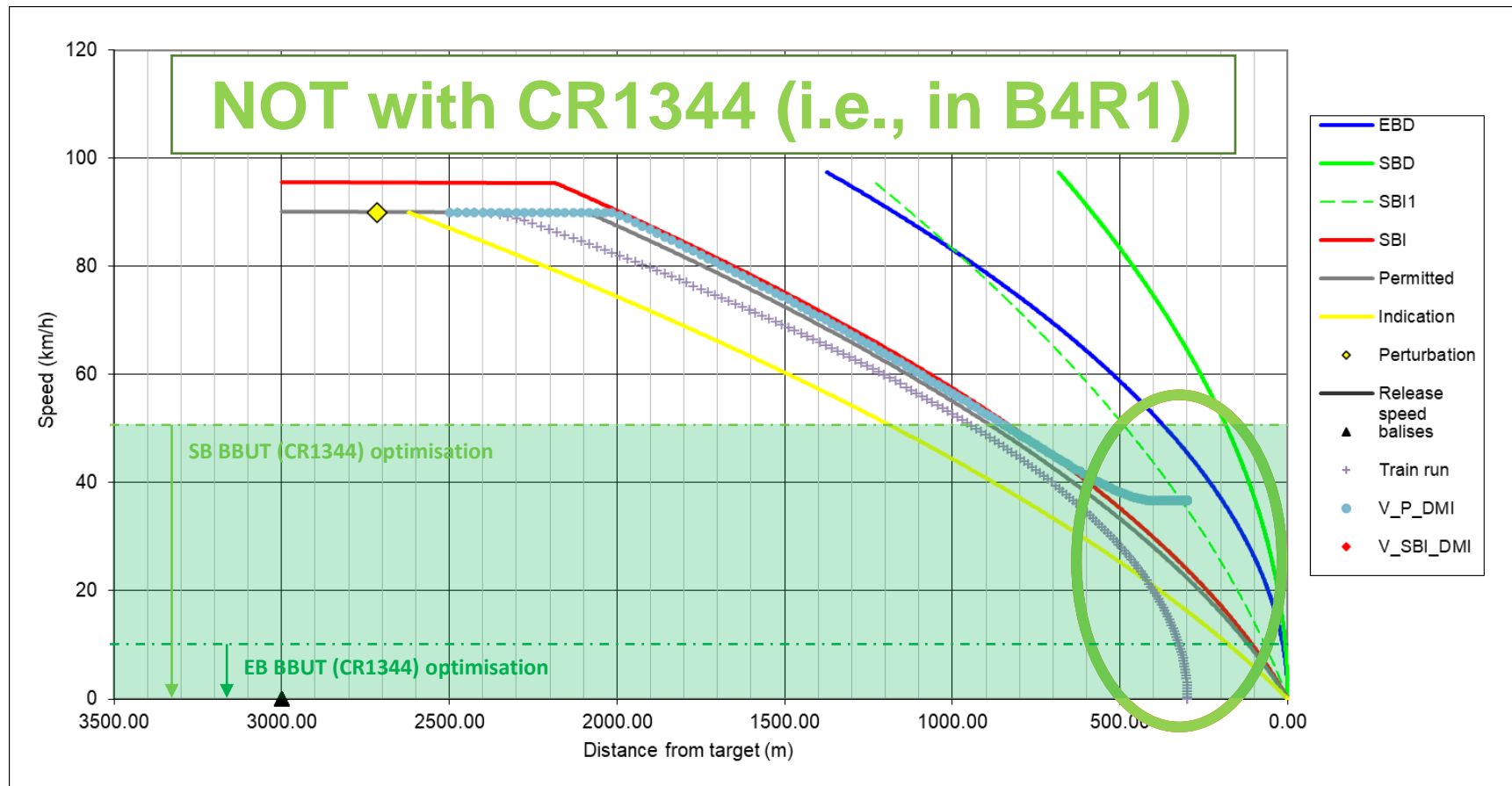
Fluctuation of the displayed speed(s) on the DMI

- Fluctuation = $f(V_{est})$: $V_{est} \rightarrow 0 \text{ km.h}^{-1} \Rightarrow V_{P_DMI}$ increases



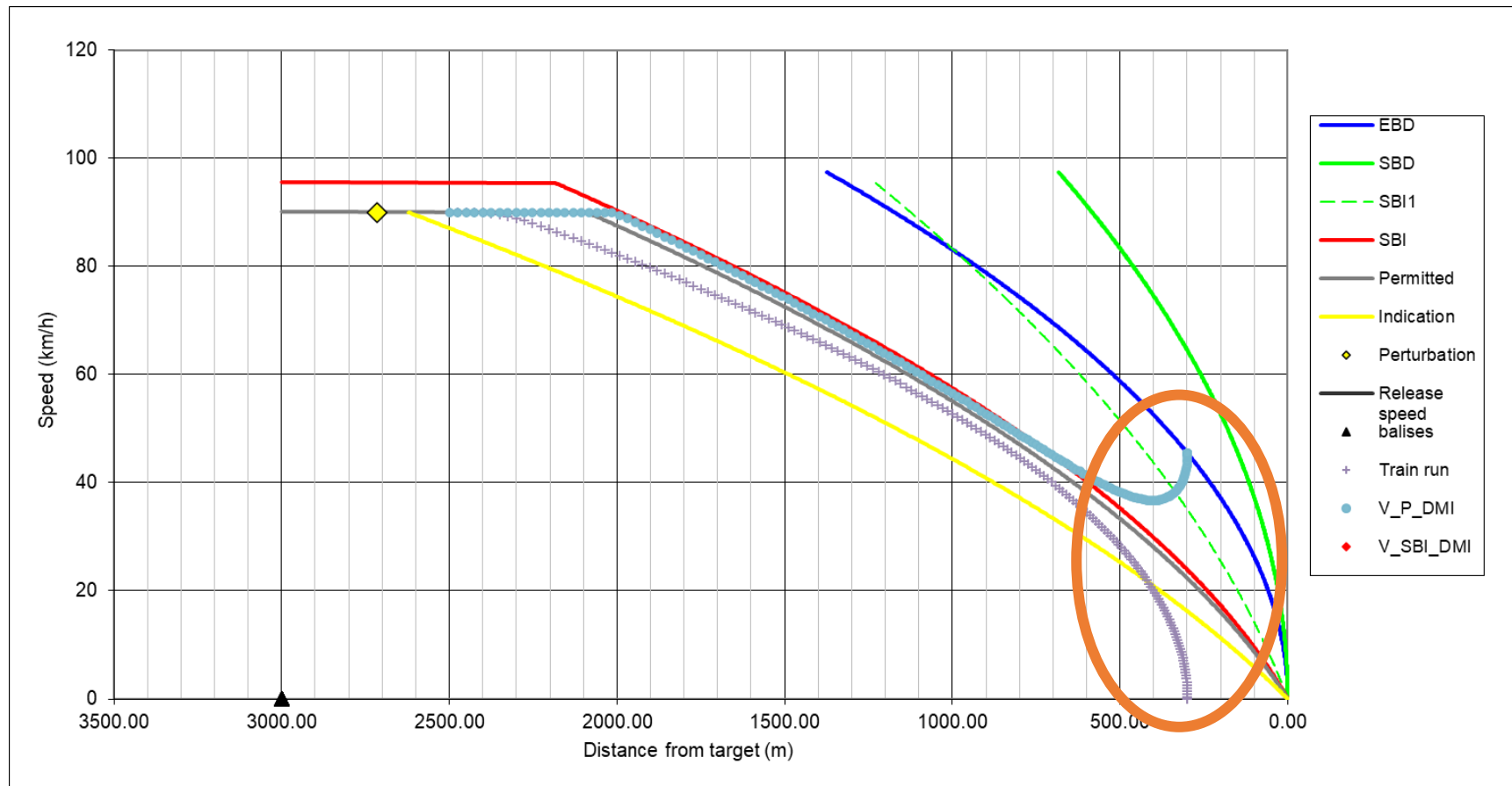
Fluctuation of the displayed speed(s) on the DMI

- Fluctuation = $f(V_{est})$: $V_{est} \rightarrow 0 \text{ km.h}^{-1} \Rightarrow V_{P_DMI}$ increases, **but**



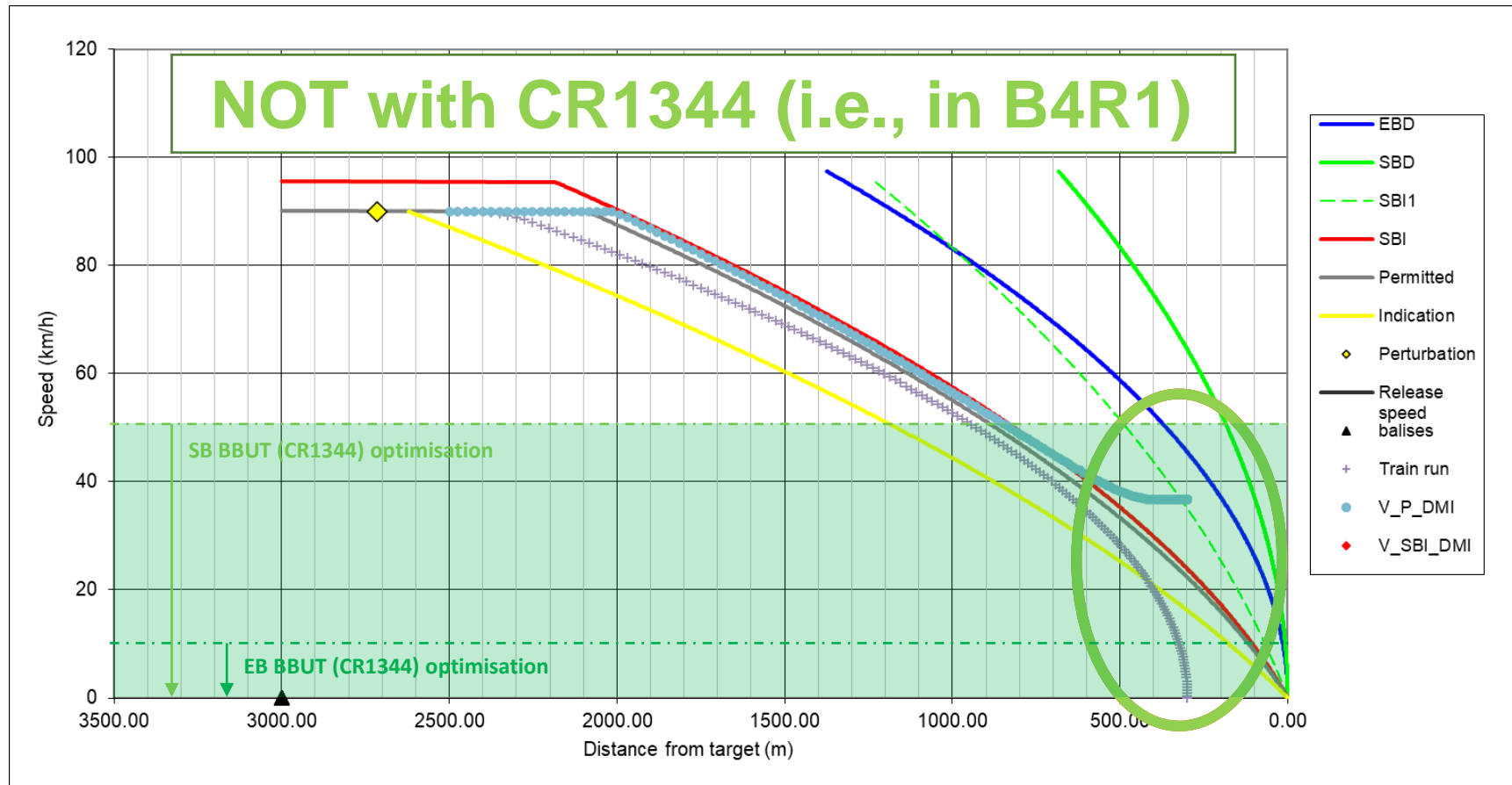
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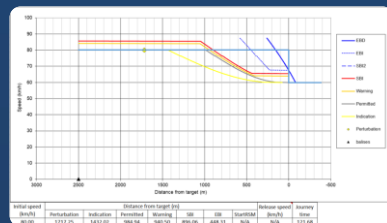
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Thank you for your attention!

J. Marek

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