$$WCV_{t_{ ext{var}}}(\mathbf{s},s_z,\mathbf{v},v_z) \equiv ext{Horizontal_WCV}_{t_{ ext{var}}}(\mathbf{s},\mathbf{v}) \ ext{and}$$

$$ext{Vertical_WCV}(s_z,v_z),$$

Vertical WCV $(s_z, v_z) \equiv |s_z| \leq \text{ZTHR}$ or $0 \leq t_{coa}(s_z, v_z) \leq \text{TCOA}$.

 $(d_{\text{cpa}}(\mathbf{s}, \mathbf{v}) \leq \text{DTHR} \text{ and } 0 \leq t_{\text{var}}(\mathbf{s}, \mathbf{v}) \leq \text{TTHR}),$

 $ext{Horizontal_WCV}_{t_{trans}}(\mathbf{s},\mathbf{v}) \equiv \|\mathbf{s}\| \leq ext{DTHR} ext{ or }$