

## **DEFINITIONS:**

<b>Term:</b>	<b>Definition:</b>
<b>V</b>	<b>Velocity/speed</b>
<b>V1</b>	<b>The go/ no-go decision speed for completion of takeoff</b>
<b>Vr</b>	<b>The Rotation speed or Lift-off speed</b>
<b>V2</b>	<b>Safe Climb-out speed (the speed after Vr)</b>
<b>Vs</b>	<b>Stall speed - clean (no flaps or undercarriage)</b>
<b>Vso</b>	<b>stall speed @ full flap/gear down (flying dirty)</b>
<b>Vfe</b>	<b>flap extension speed – the maximum speed for using a certain flap setting without causing aircraft damage</b>
<b>Vat</b>	<b>Landing speed at runway threshold (Full Flaps/Gear Down) ie. 1.3 times stall speed (Vso)</b>
<b>MLW</b>	<b>Maximum Landing Weight</b>
<b>MTOW</b>	<b>Maximum Take Off Weight</b>
<b>Vapr</b>	<b>Approach Speed , just add 5-10kts to Vat with flap/gear down @ MLW or less</b>
<b>Vno</b>	<b>Normal Operating Speed</b>
<b>Vmo</b>	<b>Maximum Operating Speed</b>
<b>Vne</b>	<b>Never Exceed this Speed</b>
<b>FL</b>	<b>Flight Level eg FL350 = 35,000 feet</b>
<b>N1</b>	<b>Maximum thrust</b>