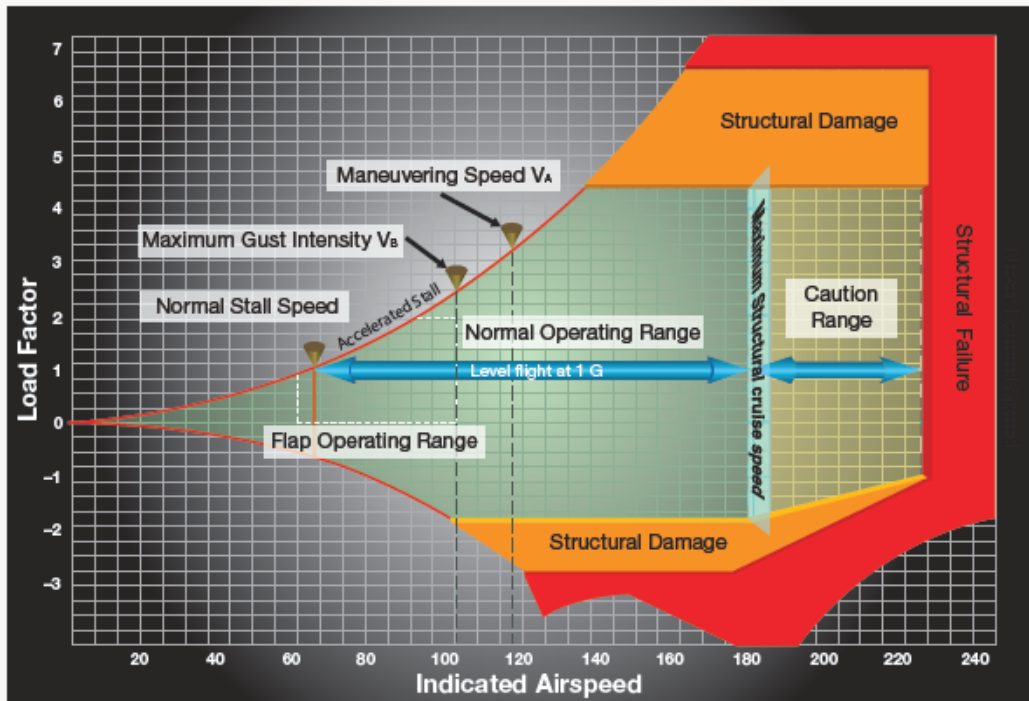


A Modified V-G Diagram



The V-G diagram above is modified to show the effects of upward wind gusts when flying at and greater than V_B and the inclusion of a flap operating envelope. Stall speed in this example is 60 knots, V_A is $1.95 V_S$ ($V_A = 1.95 \times 60 \text{ knots} = 117 \text{ knots}$) and V_B is $1.7 V_S$ ($V_B = 1.7 \times 60 \text{ knots} = 102 \text{ knots}$). In this example, V_B is 15 knots less than V_A . Note that both V_A and V_B are accelerated stalling speeds based on increased G loads for the same airplane at the same weight.