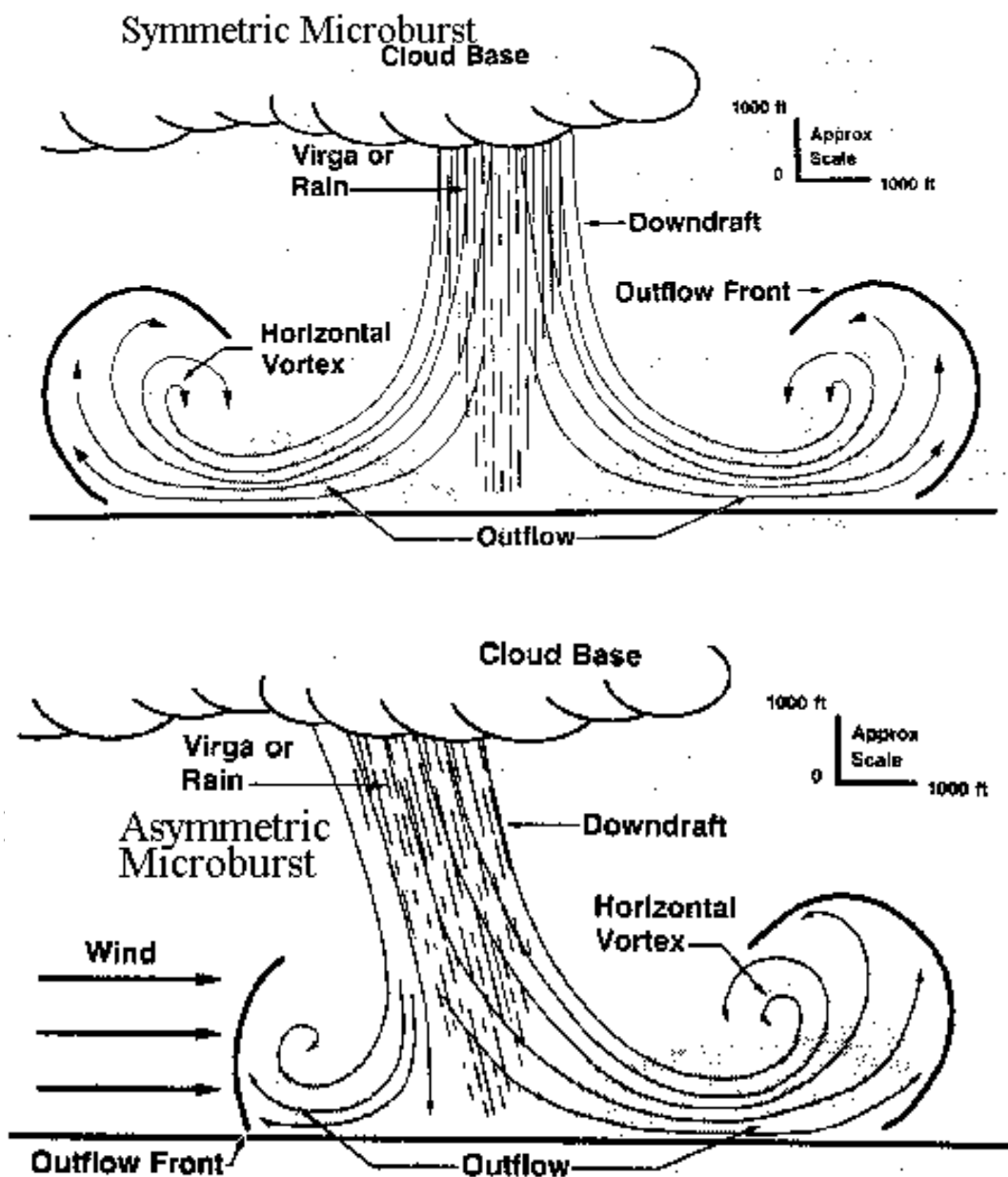


## WIND SHEAR



Microbursts (also known as downbursts) are powerful downdrafts associated with thunderstorms. Identification of Microbursts has resulted from the investigation of wind shear aircraft related accidents and from meteorological research. **Wind Shear** is any rapid change in wind direction or velocity that can result from a large variety of meteorological conditions, temperature inversions, sea breezes, frontal systems, strong surface winds and thunderstorms. Severe **Wind Shear** is a rapid change in wind direction or velocity causing airspeed changes greater than 15 knots (~17mph) or vertical speed changes greater than 500 feet per minute (around 5-6 mph in the vertical direction).



4

## WINDSHEAR WARNING

WINDSHEAR (Red) - Message flashes for 5 seconds then becomes steady in the PFDs ADI sphere. When an aural "Windshear, Windshear, Windshear" warning activates, immediately initiate corrective action to eliminate the cause for the warning as follows. Windshear escape flight guidance is not provided.

- |                                  |   |
|----------------------------------|---|
| 1. Thrust .....                  | <b>T/O DETENT</b>   |
| 2. Airplane Pitch Attitude ..... | <b>INITIAL PITCH OF 10 DEGREES</b><br>(Flight Director Go-Around pitch command) |
| 3. Speed Brake .....             | <b>CONFIRM RETRACTED</b>  |

4. Do not retract flaps or landing gear until safe climb out is assured.

● **AFTER POSITIVE RATE-OF-CLIMB IS ESTABLISHED WITH AN AIRSPEED OF AT LEAST 1.3 V<sub>S</sub>, V STALL CARET IN IAS WINDOW**

- |                       |   |
|-----------------------|---|
| 5. Flaps .....        | <b>T.O. &amp; APPR (15°) if LAND (35°)</b>    |
| 6. Climb Speed .....  | <b>AS REQUIRED</b>                            |
| 7. Landing Gear ..... | <b>UP</b> (ground contact no longer probable) |
| 8. Flaps .....        | <b>AS REQUIRED</b>                            |
| 9. Thrust.....        | <b>AS REQUIRED</b>                            |

PROCEDURE COMPLETED

