

Specialist's Factual Report - Attachment 2

AIM Turbulence Table

## METEOROLOGY

**CEN22FA035**

| <b>Intensity</b> | <b>Aircraft Reaction</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Inside Aircraft</b>                                                                                                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Light</b>     | Turbulence that momentarily causes slight, erratic changes in altitude and/or attitude (pitch, roll, yaw). Report as <b>Light Turbulence</b> ;<br>or<br>Turbulence that causes slight, rapid and somewhat rhythmic bumpiness without appreciable changes in altitude or attitude. Report as <b>Light Chop</b> .                                                                                                                                                                    | Occupants may feel a slight strain against seat belts or shoulder straps. Unsecured objects may be displaced slightly. Food service may be conducted and little or no difficulty is encountered in walking. |
| <b>Moderate</b>  | Turbulence that is similar to Light Turbulence but of greater intensity. Changes in altitude and/or attitude occur but the aircraft remains in positive control at all times. It usually causes variation in indicated airspeed. Report as <b>Moderate Turbulence</b> ;<br>or<br>Turbulence that is similar to Light Chop but of greater intensity. It causes rapid bumps or jolts without appreciable changes in aircraft altitude or attitude. Reports as <b>Moderate Chop</b> . | Occupants feel definite strain against seat belts or shoulder straps. Unsecured objects are dislodged. Food service and walking are difficult.                                                              |
| <b>Severe</b>    | Turbulence that causes large, abrupt changes in altitude and/or attitude. It usually causes large variations in indicated airspeed. Aircraft may be momentarily out of control. Report as <b>Severe Turbulence</b> .                                                                                                                                                                                                                                                               | Occupants are forced violently against seat belts or shoulder straps. Unsecured objects are tossed about. Food service and walking are impossible.                                                          |
| <b>Extreme</b>   | Turbulence in which the aircraft is violently tossed about and is practically impossible to control. It may cause structural damage. Reports as <b>Extreme Turbulence</b> .                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                             |
|                  | High level turbulence above 15,000 feet not associated with cumuliform clouds, including thunderstorms, should be reported as CAT (clear air turbulence) preceded by the appropriate intensity.                                                                                                                                                                                                                                                                                    | <b>Reporting Term – Definition</b><br>Occasional – less than 1/3 of the time.<br>Intermittent – 1/3 to 2/3.<br>Continuous – More than 2/3.                                                                  |