

Glossary of Terms

DNL (Day Night Average Sound Level) - is a cumulative measure of the average noise exposure during an average 24-hour calendar day. A 10 decibel (dB) penalty is added to noise events occurring between 10:00 pm and 7:00 am to reflect their greater intrusiveness and potential for disturbing sleep.

Lmax (Maximum A-weighted Sound Level) - is the highest noise level measured during a single noise event and describes the maximum level of a noise event, but does not take into account its duration.

SEL (Sound Exposure Level) - is a logarithmic measure of the total sound energy during a noise event. Mathematically, it represents the level of a constant sound that would, in one second, generate the same sound energy as the actual time-varying noise event.

Based Aircraft - those aircraft that are stored at an airport (both in hangars and in tie-downs) on a permanent basis (non-transient aircraft).

Based Aircraft Fleet Mix - the number of each type of aircraft (i.e. single-engine, multi-engine, jet, rotocraft, glider) based at an airport.

Aircraft Operation - one take-off or one landing constitutes one aircraft operation

Operational Fleet Mix - the number of each type of aircraft (i.e. single-engine, multi-engine, jet, rotocraft, glider) that conduct operations at the Airport.

Planning Period - the planning period constitutes a twenty-year period beginning with the most recent calendar year. At OSU, the planning period runs from 2003 to 2023.