

Appendix 10.1

Glossary of Terms

Term	Definition
$L_{Aeq,T}$	The equivalent continuous A-weighted sound or noise level over the time period (T). This is the A-weighted sound pressure level of a continuous, steady sound that, over the given time period (T), contains the same sound energy as the actual fluctuating sound over the same time period.
$L_{A90,T}$	This is the 'A' weighted noise level exceeded for 90% of the measurement period, T. This is often described as the background sound or noise level.
$L_{A10,T}$	This is the 'A' weighted noise level exceeded for just 10% of the measurement period, T.
$L_{A10,18h}$	This is the arithmetic average of the hourly ($L_{A10,1h}$) values for each of the eighteen one-hour periods between 06:00 and 24:00 hours. This indicator is normally used to describe road traffic noise.
L_{night}	The equivalent continuous sound pressure level when the reference time interval is the night-time period (23:00 – 07:00).
Free-field Level	The sound level in an open area well away from any buildings or other sound reflecting surfaces other than the ground. Generally, the minimum distance from building facades required for free-field measurements is 3.5m.