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## APPENDIX H2: AIRPORT DESIGNATION NOISE CONDITIONS

### FLIGHT OPERATIONS

Subject to S326 of the Resource Management Act 1991, Gisborne Airport shall be operated so that the Day/Night sound level ( $L_{dn}$ ) produced by aircraft arriving and leaving the site do not exceed the following levels at or beyond the following boundaries:

- i) 65dBA at or beyond the Air Noise Boundary;
- ii) 55dBA at or beyond the Outer Control Boundary;

as measured or monitored according to the rolling 90 day rolling average day / night sound level.

Note:

The above boundaries are identified in the Tairāwhiti Maps and in Appendix H3C.

### ENGINE TESTING (Maintenance)

- a) A log shall be kept noting the time, duration, location and the reason for any engine testing performed on the designated site between the hours of 22h00 and 07h00. The log shall be made available to Gisborne District Council on request.
- b) Engine testing shall be conducted so that the equivalent continuous sound pressure level ( $L_{eq}$ ) arising from the starting and running of an aircraft propulsion unit for engine testing within the designated site do not exceed the noise levels stipulated in Table One, as measured at or within the boundary of any site zoned Residential or the notional boundary of any occupied dwelling zoned Rural.

Note: Residential zones, notional boundaries and Rural zones are identified in the Tairāwhiti Plan Maps.

Time	Equivalent Continuous Sound Pressure Level ( $L_{eq}$ )
Monday - Saturday -07h00 to 22h00	55dBA $L_{eq}$ (1 hour)
At all other times	45dBA $L_{eq}$ (1 hour)

Table One: Rules for Aircraft Engine Testing (Maintenance) Noise

- c) Engine testing shall be conducted so that the maximum noise level arising from the starting and running of an aircraft propulsion unit for the purposes of engine testing within the designated site do not exceed the maximum noise level ( $L_{max}$ ) of 75dBA between the hours of 22h00 and 07h00, as measured at or within the boundary of any site zoned Residential or the notional boundary of any occupied dwelling zoned Rural existing 20 November, 1997.

### Exemptions:

Essential unscheduled engine testing between the hours of 22h00 to 24h00 and 05h00 and 07h00 that exceeds any specified engine testing noise levels shall be permitted under the following circumstances:

- i) The specified noise levels are not exceeded more than 12 times between the hours of 22h00 to 24h00 and 05h00 to 07h00 in any 12 month period; and

- ii) The engine testing is performed at a distance of at least 800m from the nearest Residential boundary and at least 800m from the nearest notional boundary of any occupied dwelling zoned Rural; (unless written approval from affected residents has been obtained waiving this particular requirement and a copy of this approval has been lodged with Council).

## OTHER ACTIVITIES

Gisborne Airport shall be operated so that the average maximum noise level ( $L_{10}$ ), and the maximum noise level ( $L_{max}$ ), arising from any activities (other than aircraft taxiing, pre-flight checks, flight operations, and engine testing) on the designated site do not exceed the levels in Table Two at or within the boundary of any site zoned Residential or the notional boundary of any occupied dwelling zoned Rural.

Times	Average Maximum Noise Level ( $L_{10}$ )dBA	Maximum Noise Level dBA( $L_{max}$ )
Monday to Sunday 06h00 to 22h00	55	-
Monday to Sunday 10h00 to 18h00	45	75

Table Two: Rules for Noise for Land Based Airport Activities

## MEASUREMENTS

All noise measurements will be taken in accordance with:

- i) NZS 6805:1992 "Airport Noise Management and Land Use Planning" and
- ii) NZS 6807: 1994: "Noise Management and Land Use Planning for Helicopter Landing Sites"

## EXEMPTIONS

The following activities at Gisborne Airport will be exempt from all specified noise level provisions:

- i) Aircraft landing in an emergency.
- ii) Emergency flights required to rescue persons from life-threatening situations or to transport patients, human vital organs or medical personnel in an emergency
- iii) New Zealand Defence Force exercises.

## REVIEW

Gisborne Airport's designation will be reviewed:

- i) If the airport noise conditions are breached
- ii) Should the scale and intensity of use of Gisborne Airport change so as to increase the noise occurring at the noise boundaries (Air Noise & Outer Control) identified in the Tairāwhiti Plan - Appendix H3C as measured according to the rolling 3 month, 24 hour night weighted sound average exposure.