AIR NOISE OVERLAY	<ul> <li>means an area defined by planning maps to show land subject to development restrictions due to potential noise effects from Wellington International Airport. The Air Noise Overlay comprises: <ul> <li>a. Inner Air Noise Overlay – being properties lying between the Airport and a modelled 65 dBA contour, fitted to property boundaries.</li> <li>b. Outer Air Noise Overlay – being properties lying between the 65 dBA contour and a modelled 60 dBA contour, fitted to property boundaries.</li> </ul> </li> <li>a. Air Noise Boundary – being a line shown on district plan maps used for controlling the emission of noise from aircraft operations at Wellington International Airport measured using rolling 90 day average 24 hour night weighted sound exposure in accordance with NZS 6805:1992 Airport noise management and land use planning. The location of the Air Noise Boundary is based on the modelled Lan 65 dBA contour and therefore corresponds to the outer extent of the Inner Air Noise Overlay.</li> </ul> Note: The Air Noise Overlay is applied to all parts of a property, regardless of whether the modelled contour affects less than the entire property.
AIR NOISE BOUNDARY	means a line shown on district plan maps used for controlling the emission of noise from aircraft operations at Wellington International Airport measured using rolling 90 day average 24 hour night-weighted sound exposure in accordance with NZS 6805:1992 Airport noise management and land use planning. The location of the Air Noise Boundary is based on the modelled L <sub>dn</sub> 65 dBA contour and therefore corresponds to the outer extent of the Inner Air Noise Overlay.
FIXED PLANT	<ul> <li>means plant that is permanently or temporarily located and operated at any location and includes mechanical and building services equipment such as equipment that is:</li> <li>a. required for ventilating, extracting, heating, cooling, conditioning, and exhaust either of buildings or commercial activities;</li> <li>b. associated with boilers or plant equipment, furnaces, incinerators or refuse equipment;</li> <li>c. electrical equipment, plumbing (including pumps), lift or escalator equipment; or</li> <li>d. similar plant, equipment, items, rooms or services.</li> </ul>
HELICOPTER NOISE EFFECTS ADVISORY OVERLAY	means an area defined by the planning maps, based on a distance of 500m from each of the two landing pads at Wellington Regional Hospital (Newtown). The advisory overlay serves to alert the potential for noise disturbance arising from the permitted regular use of helicopters as air ambulances or in emergencies.
HIGH NOISE AREA	means land and habitable rooms of buildings located within:         a.       40m of a State Highway designation;         b.       40m of a Railway designation;         c.       Courtenay Place Noise Area;         d.       General Industrial Zone;         e.       Inner Air Noise Overlay.         With respect to railway and state highway designations, distance to the nearest habitable room of a building is measured to the closest point of the designation.
MODERATE NOISE AREA	means land and habitable rooms of buildings located within:a.The area between 40m and 100m of a State Highway designation with a posted speed limit or maximum variable speed limit greater than >70 km/hour;b.The area between 40m and 100m of a Railway designation;c.City Centre Zone;d.Mixed Use Zone;e.Commercial zone;f.Neighbourhood Centre Zone;g.Local Centre Zone;h.Metropolitan Centre Zone;

	i. <u>Waterfront Zone;</u>
	j. <u>Outer Port Noise Overlay:</u>
	k. <u>Outer Air Noise Overlay.</u>
	With respect to railway and state highway designations, distance to the nearest habitable room of a building is measured to the closest point of the designation.
NOISE SENSITIVE ACTIVITY	means any lawfully established:
	<ul> <li>residential activity, including activity in visitor accommodation or retirement accommodation;</li> </ul>
	b. educational activity;
	c. health care activity or hospital activity;
	d. congregation within any place of worship; and
	e. activity at a marae.
RAIL VIBRATION ADVISORY OVERLAY	means an area of land defined by the planning maps, being a distance of 60m beyond the railway designation boundary. The advisory overlay serves to alert property owners to the potential for railway related vibration to be received in that area. No district plan controls apply in relation to vibration as a result of this overlay.
WELLINGTON AIR NOISE MANAGEMENT COMMITTEE (WANMC)	means the body primarily responsible for the NMP, being a partnership between the Airport, aircraft operators, and the local community. Wellington City Council contributes to the WANMC, including through providing updated noise exposure reports from the noise monitoring system.

### Introduction to Airport Zone Chapter

### Airport Noise

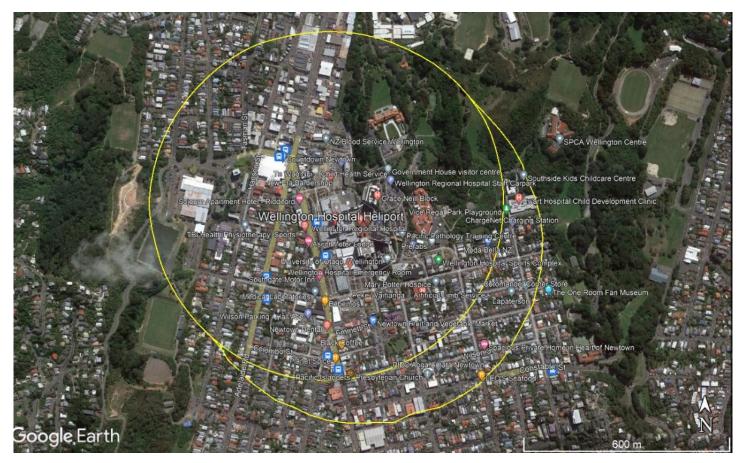
The management of noise associated with the Airport's operations is addressed in the District Plan Noise Chapter. Noise is subject to the following interrelated controls:

- 1. District Plan provisions which reference specific noise restrictions.
- 2. District Plan provisions which reference the Airport's Noise Management Plan (NMPANMP).
- 3. The <u>NMPANMP</u>, which sits outside of the District Plan.
- 4. The Air Noise overlay (ANO) 65 dB Air Noise Boundary (ANB) which is demarcated on the District Plan maps, and referenced in District Plan provisions and the -NMPANMP. The extent and nature of the ANO ANB is guided by the recommendations of New Zealand Standard NZS6805:1992 Airport Noise Management and Land Use Planning.
- 5. The Inner Air Noise Overlay and the Outer Air Noise Overlay, which are used to manage intensity of development by noise sensitive activities (such as residential development). The Outer edge of the Inner Air Noise Overlay approximates the ANB. The Outer edge of the Outer Air Noise Boundary-Overlay approximates a 60 dB Ldn airnoise noise contour.

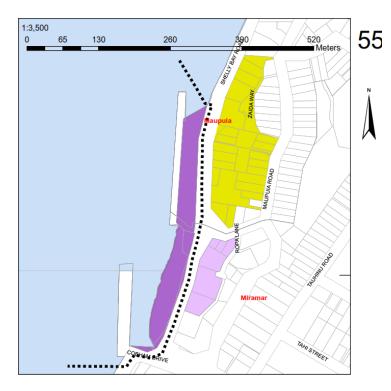
## District Plan Maps

Amend planning maps to insert a noise overlay referred to as:

500 metre Helicopter Noise Effects Advisory overlay (HNEAO)



Amend planning maps to include the existing Burnham Wharf (Miramar) port noise control line shown by Map 55 in the operative district plan:



Port noise control lines

# Te Oro

# Noise

NOISE	Noise

### P1 Sch1 Introduction

Effective management of noise and vibration is a key aspect of achieving good environmental outcomes throughout the City.

Noise is well recognised as a potential environmental pollutant and nuisance. It can adversely affect health and amenity values, interfere with communication, and disturb sleep and concentration. For those, and other reasons, noise is the subject of frequent complaints received by council. Wellington's relatively compact nature, and anticipated residential intensification in the city centre area and other mixed use areas, make noise management an ongoing and important issue.

The provisions of this chapter manage potential adverse noise effects that can arise from a diverse range of activities. In addition, section 16 of the RMA imposes a duty on all persons to avoid unreasonable noise (which includes vibration) by adopting the best practicable option (BPO), regardless of whether the activity complies with a standard or rule. Section 17 of the RMA further imposes a general duty to avoid, remedy or mitigate adverse noise effects. At all times the Council has a responsibility to exercise its powers under the RMA to ensure that the general duties of sections 16 and 17 are met. RMA Sections 326 and 327 are used by Wellington City Council to control excessive noise.

The objectives, policies, rules and standards of the Noise chapter are linked to zones and to specific activities. They take into account the level, duration and nature of noise – within the context of the surrounding environment and whether noise can be reasonably mitigated. The provisions identify where sound insulation is a requirement for new noise sensitive activities, and also limit the establishment of noise sensitive activities in some cases. Noise sensitive activities are defined by the District Plan. Mapped nNoise overlays are used in several cases to define areas in which noise effects from specific sources can be expected, up to prescribed limits. Examples include the Air Noise Overlay and the Port Noise Overlay. Noise overlays may also prescribe limits to intensification of noise sensitive activities (such as new residential development) and / or acoustic insulation and ventilation standards to assist in managing the effects of noise received in the overlays. Noise advisory overlays are also used, but without any associated district plan rules or standards.

Other than where expressly provided for, the measurement of noise must be in accordance with New Zealand Standard NZS6801:2008 Acoustics – Measurement of Environmental Sound and New Zealand Standard NZS6802:2008 Acoustics – Environmental Noise. Some other standards are expressly provided for, such as NZS6803: 1999 Acoustics Construction Noise.

Some activities that generate noise are exempt from the noise rules set out in this chapter. This is because they are not controlled by the RMA, e.g. vehicles being driven on a road, or aircraft above 1,000 feet in flight over built up areas. In addition, the Civil Aviation Act 1990 imposes certain rules requiring noise abatement procedures for aircraft operating in the vicinity of Wellington International Airport.

The following activities are exempt from the rules and standards contained in this chapter. They are:

- 1. Aircraft being operated above 1,000 feet (305m) over built up areas, or above 500 feet (152m) over rural areas;
- 2. Aircraft used in emergencies or as air ambulances;
- 3. Vehicles being driven on a road (within the meaning of section 2(1) of the Transport Act 1998), or within a site as part of or compatible with a normal residential activity (including apartments or mixed use activity);
- 4. Trains on rail lines (public or private) and crossing bells within the road reserve, including at railway yards, railway sidings or stations. This exemption does not apply to the testing (when stationary), maintenance, loading or unloading of trains;
- 5. Any warning device or siren used by emergency services for civil defence or emergency purposes (and routine testing and maintenance);
- 6. The use of generators and mobile equipment (including vehicles) when used solely for civil defence or emergency purposes, including testing and maintenance not exceeding 48 hours in duration, where they are operated by emergency services or lifeline utilities, or for the continuation of radiocommunication broadcasts;

- 7. Rural activities, including, agricultural vehicles, machinery or equipment used on a seasonal or intermittent basis in the Rural Zones <u>excluding any fixed plant</u>; and
- 8. Crowd or people noise from special events or temporary event activities including any events located in Open Space and Recreation Zones.

Note: Where standards are provided for specific activities, and there is a conflict between those standards and the zone interface standards or zone standards, the specific activity standards will prevail. In addition, resource consent may be required for the activity that generates noise. Provisions controlling the establishment of those activities may be contained in other chapters of the district plan.

#### Other relevant District Plan provisions

It is important to note that in addition to the provisions in this chapter, the following Part 2: District-Wide chapters may also be of relevance.

The noise provisions, while district wide, need to be considered in conjunction with zone specific chapters and their associated standards for activities. The relevant zone chapter will depend on the location of the activity.

Noise from temporary activities is addressed in the Temporary Activities Chapter.

Resource consent may therefore be required under rules in this chapter as well as other chapters. Unless specifically stated in a rule or in this chapter, resource consent is required under each relevant rule. The steps to determine the status of an activity are set out in the General Approach chapter.

Noise emissions from activities at Wellington International Airport is primarily managed by Wellington International Airport Limited's Miramar South, Main Site and East Side Designations (WIAL2, WIAL4 and WIAL5). The rules set out in this chapter are therefore only applicable to activities undertaken at Wellington International Airport where they are not being undertaken under those designations.

	Objectives		
P1 Sch1	NOISE-O1	Managing noise generation and effects Adverse noise effects on amenity values are managed, and the health of people and <u>communities is provided for</u> , Amenity values and peoples' health and well-being are protected from adverse noise levels, consistent with the anticipated outcomes for the receiving environment.	
P1 Sch1	NOISE-O2	<b>Reverse sensitivity</b> Existing and authorised activities that generate <u>high higher</u> levels of noise are protected from reverse sensitivity effects.	
	Policies		
P1 Sch1	NOISE-P1	General management of noise Enable the generation of noise from activities that:	
		<ol> <li>Maintain Is consistent with A compromise the health, safety and wellbeing of people and communities.</li> </ol>	
P1 Sch1	NOISE-P2	Construction noise	
		Enable construction activities while ensuring that unreasonable noise and vibration effects are managed effectively.	
P1 Sch1	NOISE-P3	Higher noise areas	
		<ul> <li>Allow for higher noise levels to be generated within:</li> <li>1. <u>High Noise Areas</u></li> <li>2. <u>Moderate Noise Areas</u>:</li> <li>3. General Rural Zone;</li> <li>4. <u>Commercial and Mixed-Use ZonesZone</u>;</li> </ul>	

	[	5. Hospital Zone;
		6. Tertiary Education Zone;
		7. Stadium Zone;
		8. Port Zone; 9. <u>Airport Zone and associated airspace;</u>
		10. City Centre Zone;
		11. <u>Courtenay Place Noise Area;</u> 12. Mixed Use Zone;
		13. General Industrial Zone; and
		14. State Highway and Railway networksdesignations
		The Port Noise Management Plan and the Airport Noise Management Plan (both required by
		NOISE S3) provide additional context for management of noise at those regionally significant facilities.
P1 Sch1	NOISE-P4	Protection of noise sensitive activities by aAcoustic treatment of buildings used for
		noise sensitive activities and provision of alternative ventilation for buildings housing for noise sensitive activities
		Require sound insulation and / or mechanical ventilation for <u>buildings or rooms housing</u> new noise sensitive activities within High Noise Areas and Moderate Noise Areas, consistent with
		the anticipated outcomes for each receiving environment:
		1. The City Centre Zone;
		2. <u>Courtenay Place Noise Area;</u>
		3. The Waterfront Zone; 4. The Centres ZonesNeighbourhood Centre Zone;
		4. <u>The Centres Zones veighbournood Centre Zone</u> , 5. <u>Local Centre Zone;</u>
		6. <u>Metropolitan Centre Zone;</u>
		7. The Mixed Use Zones; 8. Commercial Zone;
		9. <u>General Industrial Zones;</u>
		10. Outer Port Noise Overlay;
		<ol> <li>The Air Noise Overlay (Inner Air Noise Overlay and Outer Air Noise Overlay).; and</li> <li>Identified corridors adjacent to the State Highways and railway networks.</li> </ol>
		The relevant acoustic insulation and ventilation standards are NOISE-S4, NOISE-S5 and
		NOISE-S6. <del>Two standards of acoustic insulation are prescribed to achieve acceptable indoor</del> acoustic amenity in habitable rooms. NOISE-S4 is the standard for High noise areas, and
		NOISE-S5 is the standard for Moderate noise areas.
P1 Sch1	NOISE-P5	Noise at Wellington Regional Stadium and the Basin Reserve
		Require that activities at Wellington Regional Stadium and the Basin Reserve, other than special entertainment events authorised as temporary activities, are managed effectively to mitigate adverse noise effects on residential amenity.
ISPP	NOISE-P6	Development restrictions on of noise sensitive activities
		Restrict Manage the development of noise sensitive activities within:
		1. The Inner Air Noise OverlayHigh Noise Areas and Moderate Noise Areas; and
		2. Other locations Buildings housing noise sensitive activities in High Noise Areas and Moderate Noise Areas where ventilation and acoustic insulation standards are not met.
		High and Moderate Noise Areas are listed in NOISE-R3.1 and NOISE-R3.2. The relevant acoustic insulation and ventilation standards are NOISE-S4, NOISE-S5 and NOISE-S6.
		New or intensified noise sensitive activities will be discouraged, where the risk of reverse sensitivity effects on authorised compliant emitters of noise, and regionally significant infrastructure, in those areas cannot be appropriately managed.
	Rules: Land use activiti	es
P1 Sch1	NOISE-R1	Noise not otherwise provided for in this chapter
	All Zones	1. Activity status: Permitted

			Where:
			a. Compliance with NOISE-S1 and APP4 is achieved.
		All Zones	2. Activity status: Restricted Discretionary
			Where:
			a. Compliance with the requirements of NOISE-R1.1.a cannot be achieved.
			Matters of discretion are:
			<ol> <li>The matters in NOISE-P1; and</li> <li>The extent and effect of non-compliance with any relevant standard as specified in the associated assessment criteria for the infringed standard.</li> </ol>
P1 Sch1	NO	SE-R2	Noise from construction, maintenance, earthworks, and demolition activities
		All Zones	1. Activity status: <b>Permitted</b>
			Where:
			a. All work will occur within the hours of 7.30am to 6.00pm Monday to Saturday; or and
			b. Compliance with NOISE-S2 (Construction Activities) is achieved.
		All Zones	2. Activity status: Restricted Discretionary
			Where:
			a. Compliance with the requirements of NOISE-R2.1.a cannot be achieved.
			Matters of discretion are:
			<ol> <li>The matters in NOISE-P2; and</li> <li>The extent and effect of non-compliance with any relevant standard as specified in the associated assessment criteria for the infringed standard.</li> </ol>
ISPP	NO	SE-R3	Noise sensitive activity in a new building, or in alterations / additions to an existing building
		As specified in Rule	1. Activity status: Permitted
			Where:
			a. Compliance with NOISE-S4 (High Noise Areas) <u>and NOISE-S6 (Ventilation)</u> is achieved <u>for one residential unit on a site</u> within:
			i.— 40m of a State Highway; ii.— 40m of a Railway corridor;
			i <del>ii. <u>Courtenay Place Noise Area;</u> iv. <u>General Industrial Zone; or</u></del>
			v. Inner Air Noise Overlay.
			Note: Distances from a state highway or railway corridor shall be measured from the closest habitable room to the closest point of a state highway or railway designation.
			1. <u>Activity status: <b>Permitted</b></u>
			Where:
			<ul> <li>a. <u>Compliance with NOISE-S4 (High Noise Areas) and NOISE-S6 (Ventilation) is</u> <u>achieved within a High Noise Area for:</u></li> <li>i. <u>One residential unit.</u></li> </ul>
			a. <u>Compliance with NOISE-S4 (High Noise Areas) and NOISE-S6 (Ventilation) is</u> <u>achieved within a High Noise Area for:</u>

	ii. Residential units in the Courtenay Place Noise Area.
	iii. Alteration or addition to an existing habitable room.
As specified in Rule	2. Activity status: Permitted
	Where:
	a. Compliance with NOISE-S5 (Moderate Noise Areas) and NOISE-S6 (Ventilation)
	is achieved for up to three residential units on a site within:
	i. The area between 40m and <u>100m</u> 80m of a State Highway with a posted
	<u>speed limit greater than &gt;70 km/hour;</u>
	ii. The area between 40m and 100m of a Railway corridor;
	iii. City Centre Zone;
	iv. Mixed Use Zone;
	<del>v. <u>Commercial zone;</u> vi. Neighbourhood Centre Zone;</del>
	vii. Local Centre Zone;
	viii. Metropolitan Centre Zone;
	ix. <u>Waterfront Zone;</u>
	x. Outer Port Noise Overlay; and
	<del>xi. Outer Air Noise Overlay.</del>
	Note: Distances from a state highway or railway corridor shall be measured from the closest habitable room to the closest point of a state highway or railway designation. Unless otherwise
	restricted by zone or overlay based rules, there is no limit on the number units per site on land
	further than 40m from a State Highway that has a posted speed limit equal to or less than 70
	<u>km/hour.</u>
	2. <u>Activity status: <b>Permitted</b></u>
	Where:
	a. Compliance with NOISE-S5 (Moderate Noise Areas) and NOISE-S6 (Ventilation)
	is achieved within a Moderate Noise Area for:
	i. Up to three residential units on a site in a residential zone.
	ii. <u>Residential units in other (non-residential) zones.</u>
	<ul><li>iii. <u>Alteration or addition to an existing habitable room.</u></li><li>iv. Any other noise sensitive activity.</li></ul>
	iv. <u>Any other hoise sensitive activity.</u>
	Note:
	1. The number of dwellings on a site includes any existing dwellings.
	<ol> <li>Unless otherwise restricted by zone or overlay based rules, there is no limit on the number</li> </ol>
	of units per site on land further than 40m from a State Highway that has a posted or
	maximum variable speed limit equal to or less than 70 km/hour.
All Zones	3. Activity status: Restricted Discretionary
	Where:
	a. Compliance with the requirements of NOISE-S4 and NOISE-S6 or NOISE-S5
	cannot be achievedis achieved for two residential units on a site listed by NOISE
	<del>R3.1; or</del>
	b. Any noise sensitive activity is proposed on a site within land subject to NOISE-
	$\frac{R3.2}{C}$
	<ul> <li>Two residential units are proposed on a site within the Inner Air Noise Overlay;</li> </ul>
	and d. Compliance with the requirements of NOISE-S5 and NOISE-S6 is achieved for
	four or more residential units on a site listed by NOISE-R3.2Four or more
	residential units are proposed on a site within the Outer Air Noise Overlay: or.
	residential units are proposed on a site within the Outer Air Noise Overlay <u>; or</u> .

	e. Any other noise sensitive activity is proposed on a site within land subject to
	NOISE-R3.2 and the requirements of NOISE-S5 and NOISE-S6 are achieved.
	Matters of discretion are:
	1. The matters of assessment in NOISE-S4, and NOISE-S5 and NOISE-S6; and
	2. The extent and effect of non-compliance with any relevant standard as specified in
	the associated assessment criteria for the infringed standard.
	Wellington International Airport Limited will be considered an affected party for applications
	within the Inner Air Noise Overlay.
	Note: This rule does not obligate Wellington International Airport Limited (WIAL) to provide or
	upgrade mechanical ventilation or noise insulation in a residential unit which has already
	received such treatment.
	3. Activity status: Restricted Discretionary
	Where:
	a. <u>Compliance with NOISE-S4 and NOISE-S6 is achieved within a High Noise Area</u>
	site for:
	<ul> <li><u>Two residential units.</u></li> <li>Compliance with NOISE-S5 and NOISE-S6 is achieved within a Moderate Noise</li> </ul>
	Area site for:
	i. Four or more residential units in a residential zone.
	ii. Any other noise sensitive activity.
	Matters of discretion are:
	1. The matters of assessment in NOISE-S4, NOISE-S5 and NOISE-S6.
	2. The ability to achieve acceptable outdoor amenity.
	3. Any proposed mitigation of noise, in accordance with a best practicable option
	approach (e.g., site layout and design, design and location of structures and
	<ul> <li><u>buildings and outdoor amenity areas</u>).</li> <li>Sensitivity of the activities activity to current and predicted future noise generation</li> </ul>
	from authorised compliant emitters of noise.
	5. The risk of reverse sensitivity effects on regionally significant infrastructure.
	6. The extent and effect of non-compliance with any relevant standard as specified in
	the associated assessment criteria for the infringed standard.
	Note:
	1. The number of dwellings on a site includes any existing dwellings.
	2. An operator of regionally significant infrastructure whose project, work or operations
	generate noise within a High Noise Area, may be considered an affected party for
	applications in that Area.
	4. Activity status: Discretionary
	Where:
	a. Three or more residential units are proposed on a site subject to NOISE-3.1; or
	b. <u>Compliance with the requirements of NOISE-R3.3 is not otherwise achieved; or</u>
	c. Any other noise sensitive activity is proposed on a site within land subject to
	NOISE-R3.1;; and
	d. <u>Wellington International Airport Limited will be considered an affected party for</u>
	applications within the Inner Air Noise Overlay. Three or more residential units are
	proposed on a site within the Inner Air Noise Overlay.

			Note: This rule does not obligate Wellington International Airport Limited (WIAL) to provide or
			upgrade mechanical ventilation or noise insulation in a residential unit which has already
			received such treatment.
			4. <u>Activity status: Discretionary</u>
			Where:
			<ul> <li><u>Compliance with NOISE-S4 and NOISE-S6 is achieved within a High Noise Area</u> site for:</li> </ul>
			i. Three or more residential units in a residential zone.
			ii. <u>Alteration or addition to an existing dwelling that increases the existing</u>
			number of bedrooms. iii. Any noise sensitive activity not otherwise permitted.
			b. On any site within a High or Moderate noise area:
			i. Compliance with the requirements of NOISE-R3 is not otherwise achieved.
			Note:
			1. The number of dwellings on a site includes any existing dwellings.
			2. An operator of regionally significant infrastructure whose project, work or operations
			generate noise within a High Noise Area, may be considered an affected party for applications in that Area.
P1 Sch1	NOIS	SE-R4	Helicopter Landing Noise
		Hospital Zone	1. Activity status: Permitted
		A :	Note: The likelihood of noise arising from helicopter activity in the area surrounding Wellington
		Airport Zone	Regional Hospital (Newtown) is signalled by a mapped noise alert-advisory overlay. Aircraft
			(which includes helicopters) used in emergencies or as air ambulances, are exempt from the
			provisions of the Noise chapter. There are no associated standards.
		All other Zones	2. Activity status: Permitted
			Where:
			a. Compliance with the recommended limits and noise management provisions as
			set out in NZS6807:1994 Noise Management and Land Use Planning for
			Helicopter Landing Areas is achieved.
		All other Zones	3. Activity status: Discretionary
			Where:
			a. Any of the requirements of NOISE-R4.2 cannot be achieved.
P1 Sch1	NOIS	SE-R5	Noise from Wellington Regional Stadium and the Basin Reserve
		Stadium zone	1. Activity status: Permitted
		Basin Reserve	Where:
			a. The noise is from Wellington Regional Stadium or the Basin Reserve; and
			i. Compliance with NOISE-S1 <u>and APP4</u> is achieved; or
			ii. Compliance with TEMP-S8 or TEMP-S9 is achieved.
		Stadium zone	2. Activity status: Restricted Discretionary
		Basin Reserve	Where:
			a Compliance with NOISE RE1 a is not achieved
			a. Compliance with NOISE-R5.1.a is not achieved.

		Matters of discretion are:
		<ol> <li>Whether noise emission levels would increase the background noise levels for a noise sensitive activity, creating a noise nuisance for the occupants of a noise sensitive site;</li> <li>Whether the sound characteristics of the noise emissions or the time of day at which noise occurs is likely to lead to sleep disturbance or other form of nuisance associated with noise;</li> <li>The manner in which buildings, structures or machinery are designed and arranged to reduce the noise emission levels likely to emanate from the noise source; and</li> <li>The best practicable options available to reduce the adverse effects of the noise.</li> </ol>
P1 Sch1	NOISE-R6	Fixed Plant Noise
	All Zones	1. Activity status: Permitted
		Where:
		<ul> <li>a. <u>Compliance with NOISE-S7 and APP5 is achieved; or</u></li> <li>b. The noise is generated by fixed plant used solely for emergency or civil defence</li> </ul>
		purposes; or
		<ul> <li>c. The noise is generated by fixed plant in relation to Operational Port Activities, and:</li> <li>i. Only operates for maintenance between 8:00am and 5:00pm weekdays; and</li> </ul>
		ii. Compliance with NOISE-S1 and APP5 is achieved. <del>; or</del>
		Compliance with NOISE-S7 is achieved.
		Exemption: The noise limits set in standard NOISE-S7 do not apply to fixed
		plant located in the Special Purpose Port Zone, in relation to Operational Port Activities.
		Fixed plant is exempt from the noise limits provided that it:
		only operates for maintenance between 8:00am and 5:00pm weekdays, and can comply with NOISE-S1.
	All Zones	2. Activity status: Restricted Discretionary
		Where:
		a. Compliance with the requirements of NOISE-R6.1 cannot be achieved.
		Matters of discretion are:
		1. The matters in NOISE-P1; and
		<ol> <li>The extent and effect of non-compliance with any relevant standard as specified in the exception of the extension of the infringed standard.</li> </ol>
		the associated assessment criteria for the infringed standard.
P1 Sch1	NOISE-R7	Commercial facility dog noise (day care, dog parks, boarding kennels)
	As specified in Rule	1. Activity status: <b>Permitted</b>
		Where:
		a. Compliance is achieved with NOISE-S1 and APP4 within:
		i. General Rural zone;
		ii. Large Lot Residential zone; iii. General Industrial zone;
		iv. City Centre zone;
		v. Metropolitan Centre zone;
		<del>vi. Town Centre zone;</del> vii. Mixed use zone;
		,

			viii. Commercial zone; ix. Local Centre zone;
			<ul> <li>x. Neighbourhood Centre zone; and</li> <li>b. The hours of operation are between 7:00am and 7:00pm, all days of the week;</li> </ul>
			and c. Operation does not include overnight boarding and / or outdoor facilities for
			overnight stay.
		All other Zones	2. Activity status: Discretionary
			Where:
			a. Any of the requirements of NOISE-R7 <u>.1</u> cannot be achieved.
P1 Sch1	NO	SE-R8	Shooting range and firearm noise
		Airport Zone	1. <u>Activity status: <b>Permitted</b></u>
		General Rural Zone	Where:
			<ul> <li>a. <u>In the Airport Zone, shooting is:</u></li> <li>i. For the purposes of wildlife management in respect of aircraft safety; and</li> </ul>
			ii. Complies with any terms set by the Airport Noise Management Plan (ANMP).
			<ul> <li>In the General Rural Zone is for the purpose of conservation activities or informal recreation activities.</li> </ul>
		All Zones	2. Activity status: <b>Discretionary</b>
			Where:
			a. <u>Any of the requirements of NOISE-R8.1 cannot be achieved.</u>
			<ul> <li><u>Shooting range or firearm noise otherwise occurs and is not subject to provisions</u> of the Temporary Activities chapter.</li> </ul>
P1 Sch1	NO	SE-R9	Blasting noise
		All Zones	1. Activity status: Permitted
			Where:
			<ul><li>a. Compliance is achieved with NOISE-S2 (Blasting); and</li><li>b. The activity is a quarrying activity.</li></ul>
		Quarry Zone	2. Activity status: Permitted
			Where:
			a. Compliance is achieved with NOISE-S2 (Kiwi Point Quarry); and
			<ul><li>b. The activity is a quarrying activity; and</li><li>c. Located in the Special Purpose Quarry Zone (Kiwi Point Quarry)</li></ul>
		All Zones	3. Activity status: Restricted Discretionary
			Where:
			a. Compliance is not achieved with NOISE-R9.1.a or NOISE-R9.1.b
			Matters of discretion are:
			1. Peak noise levels from blast events;
			<ol> <li>The frequency and the number of blast events;</li> <li>The number of blasts per year;</li> </ol>

		<ol> <li>The extent to which noise and vibration effects from blasting activities are minimised; and</li> <li>Whether surrounding property owners will be notified of blasting events in advance of the activity.</li> </ol>
P1 Sch1	NOISE-R10	Home business noise
	All Zones	<ol> <li>Activity status: Permitted Where:         <ul> <li>a. Compliance is achieved with NOISE-S2 (Home Business Activity) and APP4.</li> </ul> </li> </ol>
	All Zones	<ol> <li>Activity status: Discretionary         Where:         <ul> <li>a. Any of the requirements of NOISE-R10.1 cannot be achieved.</li> </ul> </li> </ol>
P1 Sch1	NOISE-R11	Electronic sound system noise
	All Zones Commercial and Mixed Use Zones	<ol> <li>Activity status: Permitted</li> <li>Where:</li> <li>a. Compliance is achieved with NOISE-S2 (Electronic Sound System Noise).</li> </ol>
	All Zones	a. Compliance is achieved with NOISE-S2 (Electronic Sound System Noise).     2. Activity status: <b>Discretionary</b> Where:         a. Any of the requirements of NOISE-R11.1 cannot be achieved.
P1 Sch1	NOISE-R12	Port noise
	All Zones	<ol> <li>Activity status: Permitted</li> <li>Where:         <ul> <li>a. Compliance is achieved with NOISE-S1 and APP4.</li> </ul> </li> </ol>
	All Zones	Activity status: Discretionary     Where:     a. Compliance with NOISE-R12.1 cannot be achieved.
P1 Sch1	NOISE-R13	Airport noise
	All-Zones- <u>Airport</u> Zone	<ol> <li>Activity status: Permitted</li> <li>Where:         <ul> <li>Compliance is achieved with the following standards:                 <ul> <li>NOISE-S1;</li> <li>NOISE-S8;</li> <li>NOISE-S9;</li> <li>NOISE-S10;</li> <li>NOISE-S11;</li> <li>NOISE-S12;</li> <li>Vii. NOISE-S14;:-and</li> </ul> </li> </ul> </li> </ol>

	viii. NOISE-S15;
	And
	b. <u>Compliance is achieved with all of the following conditions in the identified</u>
	designations: i.— WIAL2 (Miramar South Area)
	a. Conditions 10 and 11
	b. Conditions 14 to 18
	ii. WIAL4 (Airport Main Site Area)
	a. <u>Conditions 23 to 27</u>
	b. <u>Conditions 29 to 31</u>
	iii. <u>WIAL5 (Airport East Side Area)</u>
	a. <u>Conditions 31 and 33</u> b. <u>Conditions 34 and 35</u>
	c. Condition 37
	0. <u>Contaiton or</u>
	Aircraft noise will be measured in accordance with NZS 6805:1992 Airport noise management
	and land use planning and calculated as a 90-day rolling average. All terminology must have
	the meaning that may be used or defined in the context of NZS6805:1992 Airport noise management and land use planning.
	manayoment anu ianu uso pianining.
	The level of noise from aircraft operations, for comparison with Ldn 65 dBA, is calculated from
	the total amount of noise energy produced by each aircraft event (landing or take off) over a
	period of 90 days. This method of control does not directly control individual aircraft events, but
	does so indirectly by taking into account their contribution to the amount of noise generated in a 24 hour period.
All Zones Airport	2. Activity status: Restricted Discretionary
Zone	Where:
	Where.
	a. Compliance is not achieved with NOISE-R13.1.a (except in relation to NOISE-
	<u>S10);</u>
	STO): Matters of discretion are:
	Matters of discretion are:
	Matters of discretion are: 1. Relevant matters listed in NOISE-P1;
	Matters of discretion are: 1. Relevant matters listed in NOISE-P1; 2. The degree to which noise emissions can be reduced through mitigation or
	Matters of discretion are: 1. Relevant matters listed in NOISE-P1;
	<ol> <li>Matters of discretion are:</li> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of</li> </ol>
	<ol> <li>Matters of discretion are:</li> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> </ol>
	<ol> <li>Matters of discretion are:         <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any</li> </ol> </li> </ol>
	<ol> <li>Matters of discretion are:         <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> </ol> </li> </ol>
	<ol> <li>Matters of discretion are:         <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any</li> </ol> </li> </ol>
All Zones Airport	<ol> <li>Matters of discretion are:         <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> </ol> </li> </ol>
A <del>ll Zones <u>Airport</u> Zone</del>	<ul> <li>Matters of discretion are:</li> <li>1. Relevant matters listed in NOISE-P1;</li> <li>2. The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>3. Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>4. The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>5. Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> <li>3. Activity status: Non-complying</li> </ul>
	<ol> <li>Matters of discretion are:         <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> </ol> </li> </ol>
	<ul> <li>Matters of discretion are:</li> <li>1. Relevant matters listed in NOISE-P1;</li> <li>2. The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>3. Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>4. The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>5. Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> <li>3. Activity status: Non-complying</li> <li>Where:</li> <li>a. Compliance is not achieved with:</li> </ul>
	<ul> <li>Matters of discretion are: <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> </ol> </li> <li>Activity status: Non-complying Where: <ul> <li>Compliance is not achieved with:</li> <li>NOISE-S9;</li> </ul></li></ul>
	<ul> <li>Matters of discretion are: <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> </ol> </li> <li>Activity status: Non-complying Where: <ul> <li>Compliance is not achieved with:</li> <li>NOISE-S9;</li> <li>NOISE-S10; and</li> </ul></li></ul>
	<ul> <li>Matters of discretion are:</li> <li>1. Relevant matters listed in NOISE-P1;</li> <li>2. The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>3. Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>4. The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>5. Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> <li>3. Activity status: Non-complying</li> <li>Where: <ul> <li>a. Compliance is not achieved with:</li> <li>i. NOISE-S9;</li> <li>ii. NOISE-S10; and</li> <li>b. Noise from any land based activity in the Airport Zone exceeds the limits in</li> </ul> </li> </ul>
	<ul> <li>Matters of discretion are: <ol> <li>Relevant matters listed in NOISE-P1;</li> <li>The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> </ol> </li> <li>Activity status: Non-complying Where: <ul> <li>Compliance is not achieved with:</li> <li>NOISE-S9;</li> <li>NOISE-S10; and</li> </ul></li></ul>
	<ul> <li>Matters of discretion are:</li> <li>1. Relevant matters listed in NOISE-P1;</li> <li>2. The degree to which noise emissions can be reduced through mitigation or management measures, changes in the location, or methods of operation of the activity;</li> <li>3. Whether the proposal will have any adverse effects on the health and safety of people; and</li> <li>4. The effects of the type, intensity and duration of the noise emitted from any activity.</li> <li>5. Relevant matters in the Airport Noise Management Plan (ANMP) – see NOISE-S3.</li> <li>3. Activity status: Non-complying</li> <li>Where: <ul> <li>a. Compliance is not achieved with:</li> <li>i. NOISE-S9;</li> <li>ii. NOISE-S10; and</li> <li>b. Noise from any land based activity in the Airport Zone exceeds the limits in</li> </ul> </li> </ul>

P1 :h1	NOISE-S1	Maximum permitted activity noise levels by zone					
	in the District Plan, consent or designal any activity in all zo permitted noise limi	porary Activity exclusions or conditions of a resource ion, noise generated by nes must not exceed ts within the receiving zone ermitted Noise Standards.	<ul> <li>existing activities, the nature received at any receiving s compatible with the surrour</li> <li>2. Any mitigation of the noise practicable option approach location of structures, build operations); and</li> </ul>	nd any special character of noise from any re and character of any changes to the sound ite and the degree to which such sounds are nding activities; proposed, in accordance with a best n (e.g. site layout and design, design and ings and equipment and the timing of rse effects through the imposition of			
91 :h1	NOISE-S2 Maximum permitted noi		e levels by activity				
	<ol> <li>Construction activities</li> <li>Blasting</li> </ol>	<ul> <li>and demolition activities m managed and controlled in requirements of NZS6803: Noise.</li> <li>Noise due to the following compliance:</li> <ol> <li>Urgent repair of utilitie service, to protect life loss or serious damage</li> <li>In the City Centre Zor option to reduce noise construction work to b working hours.</li> </ol> <li>The vibration from any con earthworks and demolition assessed, managed and co requirements of DIN 4150- Part 3: Effects of Vibration Nothing in this Standard sh emergency work from takin Peak noise levels from blast the following when measur of any building set out in N or 3, below:</li> <li>Occupied noise sensis accommodation: a. permissible blast 7:00pm; and b. number of blasts i. maximum pea LZpeak; or</li> </ul>	ruction, maintenance, earthworks nust be measured, assessed, n accordance with the 3:1999 Acoustics Construction activities shall be exempt from ies to maintain continuity of e or limb or minimise or prevent toge to property. one, where the best practicable se to a reasonable level requires be undertaken outside normal instruction, maintenance, n activities must be measured, controlled in accordance with the 0-3:2016 Structural Vibration – n on Structures shall be used to prevent				

<u> </u>		
	3. L	<ul> <li>a. permissible blasting time window: All hours of occupation; and</li> <li>b. no limit on number of blasts per year; and</li> <li>i. maximum peak sound level of 125 dB LZpeak; or</li> <li>Jnoccupied buildings</li> <li>a. permissible blasting time window: All times; and</li> <li>b. no limit on the number of blasts per year; and</li> <li>c. all blasts comply with a maximum peak sound level of 140 dB LZpeak.</li> </ul>
3. Kiwi F Quari	ry ti 2. E 3. II 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Peak noise from blasting activities must not exceed the levels set out in NOISE-S2 (Blasting) when the levels set out in NOISE-S2 (Blasting faces for crushed rock production may only the levels between 10.00am and 2.00pm weekdays. In all cases, for the northern face residents of farawera Road, Plumer Street, 113, 130, 166, 170 and 175 Fraser Avenue, and 146 Burma Road, and for the southern face the residents of 25-46 Gurkha Crescent, Shastri Terrace and 6-28 (even numbers) mran Terrace and the abattoir operator must be otified by mail, by email or by other electronic means to less than one week in advance of blasting. Blasting must be immediately preceded by a siren or ooter with a sound which distinguishes it from normal Police, Ambulance or Fire Service sirens.
4. Home busin activi	ness source ity activit site, o	generated by any home business activity (or noise e associated with the work from home business y), when measured at or within the boundary of any ther than the site from which the noise is emitted, comply with the noise limits stated in NOISE-S1 and
5. Electr sound syste	ronic Electr d Use z em noise 1. <u>V</u> e a r t t r r c 2. T s A a	onic sound systems within the Commercial and Mixed ones must comply with the below: <u>Vithin the Commercial and Mixed Use zones, n</u> Noise mission levels in any public space (including streets and parks) generated by electronic sound systems nust not exceed 75dB LAeq (2 minutes). In any event ne measurements must be made no closer than 0.6 netres from any part of a loudspeaker and at a height o greater than 1.8 metres (representative of the head of a passer-by). The measured level(s) under NOISE-S2 (Electronic ound systems) shall have no adjustments for Special audible Characteristics (SAC's) when assessed in accordance with New Zealand Standards NZS 802:2008 Acoustics – Environmental Noise
P1 NOISE Sch1		management plans
Port Activi	c F r	The port company (CentrePort) must at all times perate in accordance with a Port Noise Management Plan, which must include but is not limited to the matters set out below. The Port Noise Management Plan must be developed to the satisfaction of

	Wellington City Council and Greater Wellington
	Regional Council.
	2. The port company must undertake a noise monitoring
	programme annually (once every calendar year) to
	ensure that noise from port related activities comply
	with NOISE-S1 at the Port Noise Control Line. This
	monitoring will be undertaken in accordance with the
	CentrePort Noise Management Plan for CentrePort
	Ltd' (dated December 2008) and the information shall
	be reported to Wellington City Council's Compliance
	Manager.
	3. The Port Noise Management Plan must:
	a. State the objectives of the Management Plan.
	b. Identify all significant noise sources from port
	activities undertaken by the port within the Port
	Zone and the adjacent Coastal Marine Area.
	c. Identify the best practical options to ensure the
	emission of noise does not exceed the noise
	levels specified in NOISE-S1.
	d. Identify techniques that will be considered to
	reduce the emission of noise over time and
	indicate which of these techniques will be adopted
	to achieve realistic objectives in managing noise.
	e. Explain how the port company will take noise
	effects into account in the design and location of
	new, altered or extended port activities.
	f. Identify how the port company will work with
	independent companies and external contractors
	to ensure that transport noise and noise from
	other activities within the port area will be kept to
	a minimum practical noise level.
	the port company's staff and contractor training. h. Provide for the establishment and maintenance of
	a Port Noise Liaison Committee (the port
	company may provide for this function within the
	operation of its Environmental Consultative
	Committee).
	i. (List the Port Noise Liaison Committee functions;
	and the procedures for the recommendations of
	the Committee to be considered and determined
	by the port company.
	j. Detail procedures for receiving and deciding on
	complaints.
	<ul> <li>betail procedures for noise monitoring, auditing</li> </ul>
	and reporting.
	I. Include procedures for the review and alteration of
	the Port Noise Management Plan.
Airport Activities	The provisions below do not, in any way, limit the
	obligations of the Airport company (WIAL) to fully comply
	with any Airport Designation Condition.
	1. The Airport must at all times maintain and implement
	an Airport Noise Management Plan (ANMP). Any
	alteration or undate to the ANIAL) is subject to
	alteration or update to the ANMP is subject to
	alteration or update to the ANMP is subject to certification by the Council. 2. The ANMP must include, as a minimum:

Towns of Deference which include the numbers	
a. Terms of Reference which include the purpose,	
membership and functions of the ANMC.	
b. A statement of noise management objectives and	
<del>policies for the Airport;</del>	
<ul> <li>Details of methods and processes for remedying</li> </ul>	
and mitigating adverse effects of Airport noise	
including but not limited to:	
i. improvements to Airport layout to reduce	
ground noise;	
ii. Guidance relating to APU usage and how that	
usage will be reduced over time where	
practicable;	
iii. improvements to Airport equipment (including	
provision of engine test shielding such as an	
acoustic enclosure for propeller driven aircraft)	
to reduce ground noise;	
iv. aircraft operating procedures in the air and on	
the ground procedures to minimise noise	
where this is practicably achievable;	
v. an Airport Wide Construction Noise	
Management Plan which outlines methods for	
guiding the way construction noise is managed	
including guidance for where a Project Specific	
Construction Noise Plan is required for a	
<del>project.</del>	
d. Procedures for the convening, ongoing	
maintenance and operation of the ANMC;	
e. Mochanisms to give effect to a noise monitoring	
programme to assess compliance with district	
plan noise standards;	
f. Procedures for reporting to the ANMC any Aircraft	
Operations and engine testing activities which	
contravene district plan noise standards;	
g. Methods necessary for the Airport to complete	
implementation of the Quieter Homes	
Programme;	
h. A complaints procedure including: recording;	
reporting back to complainants; corrective actions;	
and reporting to the Council and to the ANMC;	
i. A dispute resolution procedure to resolve any	
disputes between the Airport company and the	
ANMC about the contents and implementation of	
the ANMP;	
j. Communication methods to maintain contact with	
potentially noise affected communities;	
k. Preparation and implementation of an annual	
stakeholder communications plan;	
I. Procedures for obtaining and making noise	
monitoring and compliance data publicly available	
on WIAL's website:	
m. Procedures (including frequency) for reviewing	
and amending the ANMP.	
n. Arrangements for funding the ongoing	
membership and function of the ANMC.	

ISPP NOISE-S4	Acoustic Insulation – high noise areas
High Noise Areas Within 40m of a State Highway Within 40m of a	<ol> <li>Except as provided for in (2) Aany habitable room in a building used by a noise sensitive activity in a new building or alteration or addition to an existing building, must be designed, constructed, and maintained to achieve a minimum external to internal noise reduction for habitable rooms of not less than 35 dB Dtr 2m nT w</li> <li>Except as provided for in (2) Aany habitable room in a building. Assessment criteria where the standard is infringed:</li> <li>Background noise levels and any special character of noise from any existing activities, the nature and</li> </ol>
Railway Corridor General Industrial Zone	<ul> <li>+ Ctr.</li> <li>2. <u>Any alteration or addition to a habitable room used by a noise sensitive activity within an existing building.</u></li> <li>character of any changes to the sound received at any receiving site and the degree to which such sounds are</li> </ul>
Courtenay Place Noise Area	<ul> <li>which does not increase the gross floor area of the affected room by more than 10%, providing that the addition or alteration does not increase the number of bedrooms or sleeping rooms.</li> <li>compatible with the surrounding activities;</li> <li>Adverse effects on health and enmity indoors for occupants of buildings</li> </ul>
Inner Air Noise Overlay	<ol> <li>Bedrooms or sleeping rooms.</li> <li>Compliance with this standard must be achieved by ensuring habitable rooms are designed and constructed in a manner that accords with:         <ul> <li>Table II - Minimum construction requirements for external building elements of habitable rooms to achieve an advanced level of acoustic insulation; or</li> <li>an acoustic design certificate signed by a suitably qualified acoustic engineerand experienced acoustic expert stating the design proposed will achieve compliance with this standard.</li> </ul> </li> <li>Acoustic insulation must be assessed in accordance with ISO 717-1:2020 Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation.</li> <li>The requirements of a) above do not apply where an acoustic design certificate signed by a suitably qualified acoustic engineerand experienced acoustic expert, confirms the level of noise incident on the most exposed part of the exterior of any habitable room to be shown, under a reasonable maximum use scenario, te doeg not exceed the following <u>outdoor</u> noise inits at all points 1.5m above ground level, and any part of the floor levels above ground a. less than 57 dB Leguer(1th) for rail noise; or</li> <li>Less than 57 dB Leguer(1th) for rail noise; or</li> <li>Less than 57 dB Leguer(1th) for rail noise; or</li> <li>The stating an addition to, and does not affect the requirements of, the Building Act 2004.</li> <li>Nete: Distances from astate highway or railway coorridor shall be measured from the closest habitable room to the closest point of a state highway or railway designation.</li> <li>Reasonable maximum use scenario' shall be the level of noise incident on the exterior of the habitable room based on;</li> <li>Rail noise - 70 LAeg(1h) at a distance of 12 metres from the track, then deemed to reduce at a rate of 3 dB per doubling of distance up to 40</li> </ol>

		metres and 6 dB per doubling of distance beyond 40 metres.	
		b. <u>Highway noise – The current day measured or</u>	
		predicted road traffic noise level LAeq (24 h) plus 2 dB.	
		c. Port noise – The maximum permitted port noise	
		Ldn level based on the location of the Port Noise	
		Control Line. Port noise sources shall be	
		deemed to be operating within wharf areas.	
<del>P1</del> Sch1 <u>I</u> SPP	NOISE-S5	Acoustic insulation – moderate noise areas	
<u>.</u>	Moderate Noise	1. Except as provided for in (2) Aany habitable room in a Assessment criteria whe	ere the standard is
	<u>Areas</u>	building used by a noise sensitive activity in a new infringed: building or alteration or addition to an existing building,	
	City Centre Zone	must be designed, constructed, and maintained to 1. Background noise	levels and any
	Mixed Use Zone	achieve a minimum external to internal noise reduction for habitable rooms of not less than 30 dB Dtr,2m,nT,w	f noise from any
	Commercial Zone	+ Ctr. character of any ch	nanges to the sound
	General Industrial	2. Any alteration or addition to a habitable room used by received at any rec	•
	Zone	a noise sensitive activity within an existing building. degree to which su	
		which does not increase the gross floor area of the compatible with the	surrounding
	Neighbourhood	affected room by more than 10%, providing that the activities; addition or alteration does not increase the number of 2. Adverse effects on	health and enmity
	Centre Zone	addition of alteration does not increase the number of	
	Local Centre Zone	3. Acoustic insulation must be assessed in accordance	
		with ISO 717-1:2020 Acoustics — Rating of sound 3. The ability to achie	ve acceptable
	Metropolitan	insulation in buildings and of building elements — Part outdoor acoustic al	•
	Centre Zone	1: Airborne sound insulation. 4. Any mitigation of the	
		4. Compliance with this standard must be achieved by	
	Waterfront Zone	ensuring habitable rooms are designed and option approach (e design, design and design, design and	
	The area between 40m and 100m of	constructed in a manner that accords with: a. Table I – Minimum construction requirements for structures, building	
	a railway corridor	external building elements of habitable rooms to and the timing of o	
	The area between	achieve a moderate level of acoustic insulation: 5. The ability to mitigation	
	40m and <u>100</u> 80m	or through the imposi	
	<del>of a State</del>	b. an acoustic design certificate signed by a suitably such as noise atter	
	Highway <u>with a</u>	qualified accustic engineerand experienced contributing buildin	• •
	<u>posted speed limit</u> <del>&gt;70 km/hour</del>	acoustic expert stating the design proposed will	• •
		achieve compliance with this standard. 5. The requirements of <u>3(a)</u> above do not apply where an practicable to insul	
	Outer Port Noise	acoustic design certificate signed by a suitably standard without de	etracting from
	<del>Overlay</del>	qualified acoustic engineerand experienced acoustic identified heritage	values
		expert, confirms the level of noise incident on the most	
	Outer Air Noise	exposed part of the exterior of any habitable room can	
	<del>Overlay</del>	be shown, under a reasonable maximum use	
		scenario, todoes not exceed the following noise limits at all points 1.5m above ground level, and any part of	
		the floor levels above ground:	
		a. Less than 55 dB LAeq (1h) for rail noise; or	
		b. Less than 57 dB LAeq (1h) (24h) for road	
		<u>highway</u> noise; or	
		c. Less than 57 dB L <sub>dn</sub> A <del>eq (1 hr) f</del> or port noise.	
		Note <u>s</u> :	
		1. This standard applies in addition to, and does not	
		affect the requirements of, the Building Act 2004.	

		3.	<ul> <li>Note: Distances from a state highway or railway corridor shall be measured from the closest habitable room to the closest point of a state highway or railway designation.</li> <li>'Reasonable maximum use scenario' shall be the level of noise incident on the exterior of the habitable room based on: <ul> <li>a. Rail noise – 70 LAeq(1h) at a distance of 12 metres from the track, then deemed to reduce at a rate of 3 dB per doubling of distance up to 40 metres.</li> <li>b. Highway noise – The current day measured or predicted road traffic noise level LAeq (24 h) plus</li> </ul> </li> </ul>	
			<ul> <li><u>2 dB.</u></li> <li>c. Port noise – The maximum permitted port noise Ldn level based on the location of the Port Noise Control Line. Port noise sources shall be deemed to be operating within wharf areas.</li> </ul>	
P1	NOISE-S6	Ven	tilation requirements	
Sch1	All Zones	2.	<ul> <li>The minimum external to internal noise reduction levels in NOISE-S4 and NOISE-S5 must be achieved at the same time as the ventilation requirements of the New Zealand Building Code. Minimum ventilation standards are set out below for habitable rooms classified into one of two possible categories as follows:</li> <li>a. Habitable rooms with openable windows sufficient in area to meet the ventilation requirements of the New Zealand Building Code; and</li> <li>b. All other habitable rooms requiring to be accoustically insulated under NOISE-S4 and NOISE-S5</li> <li>Where habitable rooms are provided with windows openable to the outside environment sufficient in area to meet the ventilation standards, the room shall meet the following minimum requirements:</li> <li>a. The room is to be provided with a mechanical ventilation system with air flow rates adjustable by the occupant in increments up to a high air flow setting of at least three air changes per hour; and</li> <li>b. The room is provided with cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</li> <li>c. Any ventilation system installed in compliance with (a) and (b) above must not generate noise at levels greater than 35 dB LAeg (30s) when measured 1 metre from any grille or diffuser.</li> </ul>	<ul> <li><u>Assessment criteria where the standard is infringed:</u></li> <li><u>The ability to achieve acceptable indoor ventilation and acoustic amenity:</u></li> <li><u>Any mitigation of the proposed ventilation noise, in accordance with a best practicable option approach;</u></li> <li><u>The ability to mitigate adverse effects through the imposition of conditions;</u></li> <li><u>In relation to a heritage building or a contributing building within a heritage area, the extent to which it is practicable to achieve ventilation to the required standard without detracting from identified heritage values</u></li> </ul>

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	<ol> <li>Excluding habitable rooms qualifying under (2) above, minimum ventilation system requirements for habitable rooms requiring to be acoustically insulated under NOISE-S4 and NOISE-S5 are set out as follows;</li> <li>The room is to be provided with a mechanical ventilation system with air flow rates adjustable by the occupant in increments up to a high air flow setting of at least six air changes per hour, with relief provided for equivalent volumes of spill air; and</li> <li>The room is provided with cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and</li> <li>Any ventilation system installed in compliance with (a) and (b) above must not generate noise at levels greater than 35 dB LAeg (30s) when measured 1 metre from any grille or diffuser up to maximum flow rate of three air changes per hour.</li> <li>Confirmation of compliance with this standard will be required by a qualified professional.</li> <li>Mechanical ventilation systems shall include Filter Class of at least ISO Coarse 70%, and the filter shall be readily serviceable.</li> <li>Where ventilation ducting is built in and not serviceable, it shall be rigid.</li> <li>Where ventilation ducting is serviceable, it may be flexible.</li> <li>Note: This standard applies in addition to, and does not affect the requirements of, the Building Act 2004.</li> </ol>	
P1 NOISE-	67 Fixed plant noise	
Sch1 All zones	1. Noise generated by fixed plant noise must not exceed the noise limits set out in APP5 – Fixed Plant Noise Standards.	<ul> <li>Assessment criteria where the standard is infringed:</li> <li>1. Background noise levels and any special character of noise from any existing activities, the nature and character of any changes to the sound received at any receiving site and the degree to which such sounds are compatible with the surrounding activities;</li> <li>2. Management of effects from the activities with regard to the matters set out in NOISE-P2;</li> <li>3. Any mitigation of the noise proposed, in accordance with a best practicable option approach (e.g. site layout and design, design and location of structures, buildings and equipment and the timing of operations); and</li> <li>4. The ability to mitigate adverse effects through the imposition of conditions such as noise attenuation.</li> </ul>
P1 NOISE-	58 Hours of aircraft operation	שטוי מש ווטושר מונכוועמווטוו.

Airport Zone	<ol> <li>Domestic aircraft operations shall not occur during the following hours:</li> </ol>	Assessment criteria where the standard is infringed:
	a. midnight (12am) to 6am.	1. Type, intensity and duration of the
	2. International aircraft operations shall not occur during the following hours:	noise; 2. Number of annual occurrences;
	a. Midnight to 6am for departures.	
	b. 1am to 6am for arrivals.	<b>G G F</b>
	<ol> <li>No aircraft shall operate under their main engine power within the East Side Precinct between the hour of 10pm and 7am.</li> </ol>	<ul> <li>4. Health and safety;</li> <li>5. Effects on internal and external noise amenity for dwellings outside the Airport zone; and</li> </ul>
	Except:	6. The Airport Noise Management Plan.
	<ol> <li>Disrupted flights where aircraft operations are permitted for an additional 30 minutes;</li> </ol>	In assessing noise effects, data may be used from a continuous noise monitoring
	<ol> <li>In statutory holiday periods where operations are permitted for an additional 60 minutes;</li> </ol>	station established to confirm compliance and may also be obtained from other
	6. For the purposes of this condition, statutory holiday period means:	locations.
	a. The period from 25 December to 2 January, inclusive. Where 25 December falls on either a Sunday or Monday, the period includes the entire of the previous weekend. Where 1 January falls on a weekend, the period includes the two subsequent working days. Where 2 January falls on a Friday, the period includes the following weekend.	
	<ul> <li>The Saturday, Sunday and Monday of Wellingtor Anniversary weekend, Queens Birthday Weekend, and Labour Weekend.</li> </ul>	
	c. Good Friday to Easter Monday inclusive.	
	d. Matariki Day.	
	e. Waitangi Day.	
	f. ANZAC Day.	
	<ul> <li>Any other day decreed as a national statutory holiday.</li> </ul>	
	<ul> <li>Where Matariki Day, Waitangi Day or ANZAC Day falls (or is recognised) on a Friday or a Monday, the adjacent weekend is included in the statutory holiday period.</li> </ul>	
	<ul> <li>The hours from midnight to 6am immediately following the expiry of each statutory holiday period defined above.</li> </ul>	
	<ol> <li>Aircraft using the Airport as a planned alternative to landing at a scheduled airport, but which shall not take-off unless otherwise permitted;</li> </ol>	
	8. Aircraft landing in an emergency;	
	<ol> <li>The operation of emergency flights required to rescue persons from life threatening situations or to transport patients, human vital organs, or medical personnel in medical emergency;</li> </ol>	
	<ol> <li>The operation of unscheduled flights required to meet the needs of any state of emergency declared under the Civil Defence Emergency Management Act 2002 or any international civil defence emergency;</li> </ol>	

		<ol> <li>Aircraft carrying heads of state and/or senior dignitaries acting in their official capacity or other military aircraft operations;</li> <li>No more than 4 aircraft movements per night with noise levels not exceeding 65 dB LA<sub>Fmax</sub> (1 sec) at or beyond the edge of the Air Noise Boundary.</li> </ol>	
<del>P1</del> Sch1	NOISE-S9	Calculation and management of aircraft noise	
		<ol> <li>Aircraft noise shall be measured and modelled in accordance with NZS6805:1902 Airport Noise Management and Land Use Planning and calculated as a Ldn 90 day rolling average. All terminology shall have the meaning that may be used or defined in the context of NZS:6805-1992.</li> <li>The Airport company (WIAL) shall ensure that all Aircraft Operations are managed so that the rolling day 90 day average 24 hour night weighted sound exposure level does not exceed a Day/night Level (Ldn) of 65dBA outside the Air Noise Boundary shown within the District Plan Maps.</li> <li>Within the East Side Precinct, Aircraft Operations and the operation of Auxiliary Power Units (APUs) shall be managed so that the rolling 90 day average 24 hours night-weighted sound exposure does not exceed a Day/Night Level (Ldn) of 65 dB outside of the East Side Precinct Compliance Line identified on Figure 6 below. In accessing compliance with this limit, account shall be taken of the cumulative effect of all aircraft operations and APUs from the Airport.</li> <li>Noise monitoring shall take place at any point along the line shown in Figure 6 below. The rolling 90 day average Ldn noise level from aircraft operations and the operation of APUs must not exceed the corresponding level determined to correlate with 65 dB Ldn at the East Side Precinct Compliance Line. This noise level shall be determined once the noise monitoring location is finalised and shall be recorded in the Airport Noise Management Plan.</li> <li>The Airport must demonstrate compliance with the standarde above by undertaking continuous noise monitoring in accordance with NZS 6805:1992 and the guidance provided in the Airport Noise Management Plan.</li> <li>The following aircraft operations shall be excluded from the calculation of the 90 day rolling average: a. Aircraft operation of an emergency.</li> <li>D. The operation of emergency fights required to rescue persone from life throaining situation or to transport patients, human vital organs,</li></ol>	Assessment criteria where the standard is infringed: 1. Type, intensity and duration of the noise; 2. Mitigation or management measures 3. Health and safety; 4. Effects on internal and external noise amenity for dwellings outside the Airport zone; and 5. The Airport Noise Management Plan In assessing noise effects, data may be used from a continuous noise monitoring station established to confirm compliance and may also be obtained from other locations.

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P1 Sch1	NOISE-S10	Engine testing noise		
Sch1	Airport Zone	<ol> <li>There shall be no aircraft engine testing in the East Side Precinct, or in the area shown by Attachment 4 of designation WIAL4.</li> <li>Engine testing shall adhere to the following:         <ul> <li>a. Testing shall only be undertaken during the hours of 6am to 8pm;</li> <li>b. For essential unscheduled maintenance, testing is able to occur between 8pm and 11pm and where these events do occur, they shall be reported to the Airport Noise Management Committee (ANMC) on an annual basis;</li> <li>c. To operate an aircraft within flying hours but provided the engine run is no longer than required for normal procedures, which for the purpose of this condition, shall provide solely for short duration engine runs by way of flight preparation while the aircraft is positioned on the apron;</li> </ul> </li> <li>Restrictions on engine testing from 11pm to 6am do not apply if engine testing can be carried out in compliance with all of the following:         <ul> <li>a. measured noise levels do not exceed 60 dB LAEQ (15 min) at or within the boundary of any residential zone;</li> <li>b. measured noise levels do not exceed 75 dB LAFmax at or within the boundary of any residential zone;</li> <li>c. noise levels shall be measured in accordance with NZS6801: 2008 Acoustics Measurement of Environmental Sound;</li> <li>d. the total number of engine test events relating to aircraft using the Airport as an alternate landing</li> </ul> </li> </ol>	<ul> <li>Assessment criteria where the standard is infringed:</li> <li>1. Type, intensity and duration of the noise;</li> <li>2. Mitigation or management measures;</li> <li>3. Health and safety;</li> <li>4. Effects on internal and external noise amenity for dwellings outside the Airport zone; and</li> <li>5. The Airport Noise Management Plan.</li> <li>In assessing noise effects, data may be used from a continuous noise monitoring station established to confirm compliance and may also be obtained from other locations</li> </ul>	

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		site shall not exceed 18 in any consecutive 12 month period;				
		<ul> <li>e. the total duration of engine test events using the Airport as an alternate landing site shall be no more than 20 minutes.</li> </ul>				
P1 Sch1	NOISE-S11	Noise from ground power units and auxiliary power units (Main site)				
	Airport Zone (Main Site)	<ol> <li>The operation of ground power units (GPUs) and auxiliary power units (APUs) within the Airport (excluding East Side Precinct), when measured at any adjoining Residential zone, shall not exceed the following limits:         <ul> <li>a. Monday to Saturday 7am to 10pm 55 dB LAeq (15 min)</li> <li>b. At all other times 45 dB LAeq (15 min)</li> <li>c. All days 10pm to 7am 75 dB LAFmax</li> </ul> </li> <li>Except:         <ul> <li>Aircraft under tow;</li> <li>The first 60 minutes after an aircraft has stopped on the gate, unless the Pilot of an Aircraft requires a longer duration due to operational or public health and safety reasons;</li> <li>60 minutes prior to scheduled departure unless the Pilot of an Aircraft requires a longer duration due to operational or public health and safety reasons;</li> <li>The use of APUs to provide for engine testing.</li> </ul> </li> </ol>	<ul> <li>Assessment criteria where the standard is infringed:</li> <li>1. Type, intensity and duration of the noise;</li> <li>2. Number of annual occurrences;</li> <li>3. Mitigation or management measures;</li> <li>4. Health and safety;</li> <li>5. Effects on internal and external noise amenity for dwellings outside the Airport zone; and</li> <li>6. The Airport Noise Management Plan.</li> <li>In assessing noise effects, data may be used from a continuous noise monitoring station established to confirm compliance and may also be obtained from other locations.</li> </ul>			
P1 Sch1	NOISE-S12	Noise from ground power units and auxiliary power units	s (East Side)			
	Airport Zone (East Side)	<ol> <li>Any aircraft stand within the East Side Precinct shall have a Plugin ground power unit (GPU) available.</li> <li>The operation of APUs in the East Side Precinct is subject to the relevant standards in NOISE S9.</li> <li>There shall be no operating of APUs on land within the East Side Precinct between the hours of 10pm and 7am, apart from aircraft under tow. Where aircraft are under tow the use of the APU shall cease as soon as reasonably practicable after completion of the tow.</li> <li>The operation of APUs on land within the East Side Precinct shall be restricted to a period not exceeding 15 minutes after the aircraft has stopped at the gate and 15 minutes prior to leaving the gate.</li> </ol>	<ul> <li>Assessment Criteria where the standard is infringed:</li> <li>1. Type, intensity and duration of the noise;</li> <li>2. Number of annual occurrences;</li> <li>3. Mitigation or management measures;</li> <li>4. Health and safety;</li> <li>5. Effects on internal and external noise amenity for dwellings outside the Airport zone; and</li> <li>6. The Airport Noise Management Plan.</li> <li>7. In assessing noise effects, data may be used from a continuous noise monitoring station established to confirm compliance and may also be</li> </ul>			
			obtained from other locations.			
<del>P1</del> Sch1	NOISE-S13	Airport East Side Precinct residential noise mitigation				

		<ul> <li>rooms of those residential dwellings listed in Attachment 2 of designation WIAL5.</li> <li>2. Where the property owner accepts this offer, the following requirements apply: <ul> <li>a. The Airport shall meet the full cost of the ventilation work.</li> </ul> </li> <li>b. Any habitable room within any dwelling listed in Attachment 2 with openable windows must be provided with a positive supplementary source of fresh air ducted from the outside of the habitable room.</li> <li>c. The supplementary source of fresh air is to achieve a minimum of 7.5 litres per second/per person.</li> </ul>	
		The offer and outcomes from the ventilation work shall be to no less a standard than similar home ventilation packages provided under the Wellington Airport Quieter Homes programme (as at 2021).	
P1 Sch1	NOISE-S14	Land based noise	
	Airport Zone (excluding Miramar South Precinct)	<ol> <li>Noise emission levels from any activity within the Airport designationsZone (excluding the Miramar South Precinct), other than aircraft operations, engine testing and the operation of GPUs and APUs, when measured at any adjoining residential zone, shall not exceed the following limits:         <ol> <li>Monday to Saturday 7am to 10pm 55 dB LAeq (15min) in the Main Site Area</li> <li>All days 7am to 10pm 55 dB LAeq (15min) in the East Side Area</li> <li>At all other times 45 dB LAeq (15min)</li> <li>All days 10pm to 7am 75 dB LAFmax</li> </ol> </li> <li>In the East Side Precinct, for the purposes of calculating compliance with this limit, account shall be taken of the cumulative effect of all land based activities undertaken within the Airport Zone, other than aircraft operations, the operation of APUs and any engine testing.</li> </ol>	<ul> <li>Assessment criteria where the standard is infringed:</li> <li>Type, intensity and duration of the noise;</li> <li>Number of annual occurrences;</li> <li>Mitigation or management measures;</li> <li>Health and safety;</li> <li>Effects on internal and external noise amenity for dwellings outside the Airport zone;</li> <li>The requirements of NZS 6803:1999 Acoustics – Construction Noise; and</li> <li>The Airport Noise Management Plan.</li> <li>In assessing noise effects, data may be used from a continuous noise monitoring station established to confirm compliance and may also be obtained from other locations.</li> </ul>
P1 Sch1	NOISE-S15	Miramar South Precinct noise	Γ
	Airport Zone (Miramar South)	<ul> <li>In relation to the Miramar South Precinct ("the Site"):</li> <li>1. Noise emission levels from within the a Site when measured on any site that includes an occupied residence in the Medium Density residential zone beyond the Site shall not exceed: <ul> <li>a. Monday to Sunday 7am to 10pm 55 dB L<sub>Aeq</sub> (15 min)</li> <li>b. Monday to Sunday 1am to 6am 40 dB L<sub>Aeq</sub> (15 min)</li> <li>c. At all other times 45 dB L<sub>Aeq</sub> (15 min)</li> <li>d. All days 10pm to 7am 75 dB L<sub>AFmax</sub></li> </ul> </li> </ul>	<ul> <li>Assessment criteria where the standard is infringed:</li> <li>Type, intensity and duration of the noise;</li> <li>Mitigation or management measures;</li> <li>Health and safety;</li> <li>Effects on internal and external noise amenity for dwellings outside the Miramar South Precinct;</li> <li>The requirements of NZS 6803:1999 Acoustics – Construction Noise;</li> </ul>

<ol> <li>Noise emission levels from the Site when measured on any site in the <u>Neighbourhood</u> Centre Zone shall not exceed:</li> <li>a. At all times 60 dB LAeq (15 min)</li> </ol>	<ul> <li>6. The Airport Miramar South Construction Noise Management Plan;</li> <li>7. The acoustic assessment report prepared by the Airport for</li> </ul>
<ul> <li>b. At all times 85 dB L<sub>AFmax</sub></li> <li>3. Noise during construction activities shall comply with the requirements of NZS 6803:1999 Acoustics –</li> </ul>	<ul> <li>development of the Site; and</li> <li>8. The Airport Noise Management Plan.</li> </ul>
<ul> <li>Construction Noise.</li> <li>A close-boarded fence (or other acoustically effective barrier) with a density of at least 10 kg/m2 and a height of two metres shall be installed around the perimeter of the site excluding site access points. This shall be inspected regularly and maintained to ensure its continued acoustic effectiveness.</li> </ul>	
3. Entry / egress for trucks shall not be located opposite residential zoned areas. Trucks shall not drive along the Residential zoned parts of Miro Street, Kedah Street, or Kauri Street except where there are specific circumstances where this is necessary.	
4. Truck engines shall not be left to idle on the Site and signage shall be placed in appropriate locations within the Site to advise drivers of this requirement. The Airport or its agents shall actively monitor this requirement.	
<ol> <li>Building services shall be designed such that noise levels from this source at the Site boundary are at least 10 dB lower than the limits set out in 1 above.</li> </ol>	
<ol> <li>All warehouse doors shall be fast closing and shall remain closed at night-time unless in use.</li> </ol>	
<ol> <li>There shall be no servicing or maintenance of equipment outdoors at night.</li> </ol>	

Building Element	Minimum Construction Requirement	
External Walls of Habitable Rooms	Stud Walls:	
	Exterior cladding:	20 mm timber or 9mm compressed fibre ceme sheet over timber frame (100 mm x 50 mm). *
	Cavity infill:	Fibrous acoustic blanket (batts or similar of a minimum mass of 9 kg/m3) required in cavity for exterior walls. Minimum 90 mm wall cavity.
	Interior lining:	One layer of 12 mm gypsum plasterboard. Where exterior walls have continuous cladding mass of greater than 25 kg/m2 (e.g. brick vene minimum 25 mm stucco plaster), internal wall I need to be no thicker than 10 mm gypsum plasterboard.
	Combined superficial density:	Minimum not less than 25 kg/m2 being the con mass of external and internal linings excluding structural elements (e.g. window frames or wal studs) with no less than 10 kg/m2 on each side structural elements.
	Mass Walls:	190 mm concrete block, strapped and lined int with 10 mm gypsum plaster board, or 150 mm concrete wall.
Glazed Areas of Habitable Rooms	Glazed areas up to 10% of floor area:	6 mm glazing single float

		Glazed areas between 10% and 35% o	f floor	6 mm laminated glazing	
		area:			a reach area and by a
		Glazed areas greater than 35% of floor		Require a specialist acoustic suitably qualified and experi show conformance with the	ence acoustic expert, to
		Frames to be aluminium window frames compression seals.	s with		
	Skillion Roof	Cladding:		0.5 mm profiled steel or 6 m cement, or membrane over concrete or clay tiles.	
		Sarking: 17mm plywood (no gaps).			
		Frame:		Minimum 100 mm gap with to (batts or similar of a mass or similar of a m	f 9 kg/m3).
		Ceiling:		Two layers of 10 mm gypsu through ceiling lighting pene acoustically rated). Fibrous similar of a minimum mass of	trations unless correctly acoustic blanket (batts or of 9 kg/m3).
		Combined superficial density:		Combined mass of cladding than 25 kg/m2 with no less t side of structural elements.	
	Pitched Roof (all roofs other than skillion roofs)	Cladding:		0.5 mm profiled steel or tiles 15mm thick ply.	s, or membrane over
		Frame: Timber truss with 100 mm fibrous acousti (batts or similar of a minimum mass of 9 l required for all ceilings.		m mass of 9 kg/m3)	
		Ceiling:		12 mm gypsum plaster boar	
		Combined superficial density:		Combined mass with cladding and lining of not less than 25 kg/m2.	
	Floor areas open to outside	Cladding:		Under-floor areas of non-concrete slab type floors exposed to external sound will require a cladding layer lining the underside of floor joists of not less than 12 mm ply	
	Combined superficial density:			Floors to attain a combined mass not less than 25 kg/m2 for the floor layer and any external cladding (excluding floor joists or bearers).	
	External Door to Habitable Rooms	Solid core door (min 25kg/m <sup>2</sup> ) with compression seals (where the door is e to exterior noise)	ompression seals (where the door is exposed		
	than the cor In determini	fers to common specifications for timber nmon specifications stated in the schedu ng the insulating performance of roof/ceil sual ventilation typical of the jointing capp	le for timb ing arrang	er size. gements, roof spaces are ass	umed to have no more
P1 Sch1	TABLE II - Minimum construction requirements necessary to achieve an advanced external sound insulation level of Dr         Ctr > 35 dB:			ulation level of DnT,w +	
	Building Element	Minimum Construction Requirement	uirements		
	External walls	1. Wall cavity infill of fibrous insulatio	n, batts oi	ts or similar, with a minimum density of 9kg/m3; and	
		2. cladding and internal wall lining co	mplying w	vith either Option A, B or C be	low:
		Option A	or sheet mass be 30kg/m2	dding: timber weatherboard materials with surface tween 16kg/m2 and of wall cladding	Internal lining of minimum 17kg/m2 plasterboard, such as two layers of 10mm thick high density plasterboard, on resilient/isolating mountings
		Option B		cladding: surface mass 30 kg/m2 and 65kg/m2 of ding	Internal lining of minimum 17kg/m2 plasterboard, such as two layers of 10mm

	Option C	Heavy cladding: surface mass greater than 65kg/m2 of wall cladding	thick high density plasterboard Internal lining of minimum 6kg/m2 plasterboard, such as one layer of 10mm thick		
	1 Calling coulty infill of fibrous in	nulation batta anaimilan with a minimum a	plasterboard		
Roof/ceiling	<ol> <li>Ceiling cavity infill of fibrous insulation, batts or similar, with a minimum density of 7kg/m3; and</li> <li>ceiling penetrations, such as for recessed lighting or ventilation, must not allow additional noise break-in; and</li> </ol>				
	3. roof type and internal ceiling lining complying with either Option A, B or C below:				
	Option A	Skillion roof with light cladding: surface mass up to 13kg/m2 of roof cladding	Internal lining of minimum 17kg/m2 plasterboard, such as two layers of 10mm thick high density plasterboard on resilient/isolating mountings		
	Option B	Pitched roof with light cladding: surface mass up to 20kg/m2 of roof cladding	Internal lining of minimum 17kg/m2 plasterboard, such as two layers of 10mm thick high density plasterboard		
	Option C	Heavy roof cladding: surface mass greater than 20kg/m2 of roof cladding	Internal lining of minimum 17kg/m2 plasterboard, such as one layer of 10mm thick high density plasterboard		
Glazed areas	1. Timber or aluminum frames wi doors or windows)	th full compression seals on opening pane	es (excludes glazed sliding		
	2. glazed areas shall be less than 35% of each room floor area				
	3. double-glazing with:				
	a. a laminated pane of glass	at least 6mm thick; and			
	b. a cavity between the two panes of glass at least 12mm deep; and				
	c. a second pane of glass at	t least 6mm thick; or			
		ninimum performance of Rw +Ctr 34dB.			
Exterior doors to any habitable room	Solid core exterior door, minimum s with minimum performance of Rw 3	urface mass 20kg/m2, with compression s 0dB	seals; or other door sets		