

Section 42A Officer’s Report Addendum #2 in response to submitter evidence presented at the hearing – Noise
Appendix 1 – Recommended Provisions

Recommended amendments to the provisions in response to submissions are shown in ~~strikethrough~~ and underline.

Recommended amendments to the provisions following the s42A Report and in response to submitter evidence are shown in ~~strikethrough~~ and underline.

Recommended amendments to the provisions following the hearing, **for conferencing purposes**, shown in ~~strikethrough~~ and underline. Comments bubbles are for conferencing purposes to signal matters that arose during the hearing that will be addressed in conferencing and/or right of reply.

Recommended amendments to the provisions following the hearing and discussed in addendum #2 to the s42A report shown in ~~strikethrough~~ and underline. Comments down the lefthand side of the page indicate where recommendations will be made in the right of reply.

NOISE **Noise - Ngā Oro**

Overview

The generation of noise is often a necessary part of many activities undertaken on the West Coast/Te Tai o Poutini. While it is important that such activities are able to operate, noise can result in potential adverse effects on people’s health and wellbeing, and their enjoyment of the environment. Adverse effects associated with noise can vary depending on a number of factors, including frequency, timing, duration and characteristics of the noise, the distance between the source and receiver, and any reduction measures. The background sound level can influence the acceptability or annoyance of noise, and this can also vary throughout the West Coast/Te Tai o Poutini.

Where ~~noise~~¹ sensitive activities are established near existing noise-generating activities, or areas where higher noise levels are to be expected, reverse sensitivity effects can arise, potentially resulting in the existing noise-generating activities being constrained, in terms of their ongoing operation or expansion. This is a particular concern for important services and community facilities, including Airports and Heliports, Sports Grounds and Stadiums, the State Highway, Railway Corridors and the Ports, which could be constrained if reverse sensitivity effects arise.

This Chapter controls the nature and timing of noise-generating activities, including maintaining appropriate noise levels within zones where a different noise environment is

¹ Silver Fern Farms Limited (S441.006), KiwiRail (S442.008)

anticipated to ~~minimise~~ manage² potential adverse effects³, and manages new sensitive activities where these are located close to established noise-generating activities or zones which have or are expected to have elevated noise levels.

The provisions in this chapter apply to all other chapters within this Plan, unless otherwise specified.

Commented [BA1]: Wording to review – final recommendation in right of reply

² Minor amendment for clarity of language

³ Buller Conservation Group (S552.153) and Frida Inta (S553.153)

Noise Objectives	
NOISE - O1	The benefits of noise generating activities are provided for in a way that is compatible with the role, function and character of each zone and does not <u>unreasonably</u> ⁴ compromise community health, safety and wellbeing.
NOISE - O2	The function and operation of existing and permitted future <u>lawfully established</u> ⁵ noise generating activities and community ⁶ infrastructure are not compromised by adverse effects, including reverse sensitivity effects, from noise-sensitive ⁷ activities.
NOISE - O3	The health and wellbeing of people and communities are protected from significant levels of noise.

Commented [BA2]: Wording to review. Potential alternative:
The benefits of noise generating activities are provided for in a way that is compatible with the role, function and character of each zone and does not result in unreasonable noise that may compromise community health, safety and wellbeing.

Final recommendation will be made the right of reply.

Commented [BA3]: Reference to infrastructure to be considered further. Is RSI or community facility more appropriate. Is reference to these activities required.

Final recommendation will be made the right of reply.

Commented [BA4]: Reference to sensitive activities throughout the provisions to review, including inclusion of sport and recreational activities, and educational facilities (implications for child care centres).

Final recommendation will be made the right of reply.

Also the Strategic Objectives and Policies

Noise Policies	
NOISE - P1	Enable the generation of noise when it is of a type, character, scale and level that is appropriate to the zone, having regard to: <ul style="list-style-type: none"> a. The purpose, character and qualities of the zone that the activity is located in; b. The nature, frequency and duration of the noise generating activity; c. Whether the noise generating activity is critical <u>regionally significant</u>⁸ infrastructure; d. Methods of mitigation; and e. The sensitivity of the surrounding environment.

Commented [BA5]: References to 'surrounding environment' to review and consider if 'receiving environment' is more appropriate. RE and SP to consider each instance of where it is used.

Final recommendation will be made the right of reply.

⁴ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (Te Whatu Ora) (S190.528)

⁵ Horticulture New Zealand (S486.056), Federated Farmers of New Zealand (S524.100)

⁶ Manawa Energy Limited (S438.124)

⁷ Silver Fern Farms Limited (S441.006), KiwiRail (S442.008)

⁸ Manawa Energy Limited (S438.125)

<p>NOISE - P2</p>	<p>Require sensitive activities sited in higher noise environments and new sensitive activities adjacent to higher noise environments to be located and designed so as to minimise adverse effects on the amenity values, public health and wellbeing and the safety of occupants and minimise sleep disturbance from noise, while taking into account:</p> <ol style="list-style-type: none"> The type of noise generating activity; and Other noise sources in the area; and The nature and occupancy of the noise⁹ sensitive activity; and Mitigation measures, including acoustic insulation, screening and topography. <p>For the purpose of NOISE - P2 higher noise environments include:</p> <ol style="list-style-type: none"> CMUZ - Commercial and mixed use zones; INZ - Industrial zones, PORTZ - Port Zone, AIRPZ - Airport Zone, STADZ - Stadium Zone, BCZ - Buller Coalfield Zone, MINZ - Mineral Extraction Zone and HOSPZ - Hospital Zone; and Locations in close proximity to a State Highway and the Railway Corridor; and¹⁰ The Westport Rifle Range Noise Overlay.¹¹
<p>NOISE - P3</p>	<p>Within the Airport Noise Contour Boundary overlay avoid sensitive activities, unless noise mitigation measures are implemented that avoid sleep disturbance and minimise other adverse effects on the amenity values of occupants.</p>
<p>NOISE - P4</p>	<p>Ensure noise effects generated by an activity are of a type, scale and level that are appropriate for the predominant role, function and character of the receiving environment and protect the health and wellbeing of people and communities by having regard to:</p> <ol style="list-style-type: none"> Maximum noise limits to reflect the character and amenity of each zone; Type, scale and location of the activity in relation to any noise¹² sensitive activities; Hours of operation and duration of activity; The temporary or permanent nature of any adverse effects; and The ability to internalise and/or avoid, remedy or mitigate adverse effects minimise¹³ any conflict with adjacent activities; and The functional need and¹⁴ or operational need of the activity.¹⁵

Commented [BA6]: Wording to confirm in right of reply.

Commented [BA7]: Wording to confirm in right of reply.

¹⁰ Minor amendment for clarity

¹¹ Dean Trott (S330.002), Westport Pistol Club (S336.016), Chris Hartigan (S338.002), Westport Rifle Club Incorporated (S457.009)

¹² Silver Fern Farms Limited (S441.006), KiwiRail (S442.008)

¹³ Westpower Limited (S547.487)

¹⁴ Minor amendment for consistency of language throughout the pTTPP

¹⁵ Westpower Limited (S547.488)

Noise Rules

Note: There may be a number of Plan provisions that apply to an activity, building, structure and site. In some cases, consent may be required under rules in this Chapter as well as rules in other Chapters in the Plan. In those cases, unless otherwise specifically stated in a rule, consent is required under each of those identified rules. Details of the steps Plan users should take to determine the status of an activity are provided in General Approach.

Permitted Activities

NOISE - R1	General Standards
	<p>All activities must comply with the following relevant standards.</p> <ol style="list-style-type: none"> Noise levels arising from activities must be measured and assessed in accordance with the New Zealand Standard NZS 6801:2008 Acoustics - Measurement of environmental sound and the New Zealand Standard NZS 6802:2008 Acoustics - Environmental noise except where more specific requirements apply. The noise from any construction work activity must be measured and assessed in accordance with the requirements of New Zealand Standard NZS6803:1999 Acoustics – Construction noise. Construction work is defined in New Zealand Standard NZS 6803:1999 Acoustics – Construction noise. Noise from mobile noise sources shall comply with the noise limits set out in Tables 2 and 3 of NZS 6803:1999 Acoustics – Construction Noise, with reference to "construction noise" taken to refer to "mobile noise sources";¹⁶ Noise from aerodromes, airfields of¹⁷ airports not subject to noise rule R10 shall be measured and assessed in accordance with New Zealand Standard NZS 6805:1992 Airport Noise Management and Land Use Planning¹⁸ Noise from New or Altered Roads shall be measured and assessed in accordance with New Zealand Standard NZS 6806:2010 Acoustics - Road-traffic noise - New and altered roads¹⁹ Noise from wind turbines shall be measured and assessed in accordance with section 7.7 of²⁰ NZS 6808: 2010

Activity status where compliance not achieved:
Restricted Discretionary

Commented [BA8]: Rule reference to check and update in right of reply version

Commented [BA9]: To consider adding: 'and comply with'.

Recommendation will be included in right of reply.

¹⁶ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190)

¹⁷ Minor amendment to correct typographical error

¹⁸ Minor amendment to include the standard for Airport Noise Management and Land Use Planning

¹⁹ Minor amendment to include the standard for Acoustics – Road-traffic noise – New and altered roads

²⁰ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.535)

<p>Acoustics Wind Farm Noise;</p> <p>5. Noise from Helicopter Landing areas shall be managed measured and assessed²¹ in accordance with and comply with the noise standards and limits of NZS 6807: 1994 Noise Management and Land Use Planning for Helicopter Landing Area.</p> <p><u>XXX. Noise from port activities shall be managed in accordance with and comply with the noise standards and limits, control boundaries and methods of measurement as outlined in NZS 6809: 1999 Acoustics Port Noise Management and Land Use Planning.</u>²²</p>	
---	--

Commented [BA10]: Retain this text.
Recommendation to be made in the right of reply.

²¹ Minor amendment for clarity

²² Consequential change to the recommended amendment to Rule 9

NOISE - R2	Emissions of Noise in All Zones
<p>Activity Status Permitted Where the following activities are exempted from meeting Zone noise standards:</p> <ol style="list-style-type: none"> 1. Intermittent residential activities, u <u>Noise associated with use of the site for residential activity, including²³ use of lawn mowers, vehicles, machinery or equipment operated and maintained in accordance with the manufacturer's²⁴ specifications and associated with the use of a site for a residential activity used on an intermittent basis (e.g. spraying, harvesting, etc)²⁵;</u> 2. Any warning device or siren used by emergency services for emergency purposes (and routine testing and maintenance of these); 3. Activities at emergency service facilities associated with emergency response and emergency response training; 4. Helicopters used for an emergency and as an air ambulance; 5. The use of generators and mobile equipment (including vehicles) for emergency purposes, including testing and maintenance not exceeding 2 weeks in duration, where they are operated by emergency services, or lifeline utilities or <u>Regionally Significant Infrastructure²⁶</u>; 6. People noise at recreational activities, such as sporting events or the noise from children at school or day care facilities²⁷ or in residential dwellings. This does not include any amplified noise; 7. 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 an normal residential activity provided for as a permitted activity in that zone²⁸; 8. Trains <u>operating²⁹</u> on rail lines (public or private) and crossing bells within road reserve, including at railway yards, railway sidings or stations. However, this exemption does not apply to the testing (when stationary), maintenance, loading or unloading of trains; 9. Road construction work where management controls are in place to mitigate the emission of noise; 10. Any residential activity on the same site as a noise source 	<p>Activity status where compliance not achieved: Restricted-Discretionary <u>N/A³¹</u></p>

²³ Minor amendment for clarity

²⁴ Minor amendment to correct typographical error

²⁵ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536); minor amendments to improve clarity and certainty

²⁶ Manawa Energy Limited (Manawa Energy) (S438.126)

²⁷ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

²⁸ Foodstuffs (South Island) Properties Limited and Foodstuffs South Island Limited (S464.049), WMS Group (HQ) Limited and WMS Land Co. Limited (S599.094)

²⁹ Minor amendment for clarity

³¹ Minor amendment for clarity

being assessed; ³⁰	
-------------------------------	--

³⁰ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

11. ~~Agricultural, pastoral and horticultural and pastoral farming~~³² activities undertaken for a limited duration, including using agricultural vehicles, machinery, aircraft or equipment used on a seasonal or intermittent basis³³ in the General Rural and Rural Lifestyle zones;
12. ~~Infrequent aircraft take off and landing, including helicopter movements,~~³⁴ for associated with rural production activities and conservation activities at least 250 metres from any sensitive activity and³⁵ purposes on an intermittent basis for no more than 30 days in any 12 month period per site^{36,37}, including ~~aerial topdressing and helicopter movements;~~
- Advice note: NOISE-R2.12 does not apply to land held or managed under the Conservation Act 1987.³⁸
13. Non-commercial motorised watercraft operating on the surface of waterbodies;
14. Rifle ranges located within the Rifle Range Protection Area during the hours of 7am to 10pm³⁹;
15. ~~Impulsive sounds (such as hammering and bangs) and dog barking noise which are poorly assessed by reference to NZS 6802:2008 Acoustics Environmental Noise;~~⁴⁰
16. The noise is emitted from an audible bird scaring device between the hours of half an hour before sunrise and until half an hour after sunset, not used at a frequency of more than 12 events per hour, and generating less than 65 dB LAE for each event;⁴¹ and
17. The noise is from a Temporary Activity where the temporary activity occurs between 7:00am and 10:00pm, and no more than 12 days per calendar year⁴² only⁴³, and if operating outside of these hours complies with the underlying noise standards of the zone. This does not include any amplified noise.⁴⁴

Commented [BA11]: Wording to review and consider further.

Commented [BA12]: To add where the measurement is taken from.

Recommendation to include in the right of reply.

³² Minor amendment to use the defined term

³³ Minor amendment to improve certainty of the rule

³⁴ New Zealand Agricultural Aviation Association (S166.024)

³⁵ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

³⁶ Minor amendment to improve certainty of the rule

³⁷ West Coast Regional Council (S488.033)

³⁸ Minor amendment for clarity

³⁹ Westport Pistol Club (S336.009)

⁴⁰ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

⁴¹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

⁴² Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

⁴³ Minor amendment for clarity

⁴⁴ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.536)

NOISE - R3 Acoustic Insulation Requirements for New or Altered⁴⁵ Buildings for Use by a Sensitive Activity

Activity Status Permitted

Where:

1. ⁴⁶ The building will be used by a sensitive activity and is located within the Road Noise Overlay shown on the planning maps⁴⁷:
 - a. 80m of the edge of the carriageway of a State Highway with a speed limit of 70kph or greater; or
 - b.⁴⁸ 40m of the edge of the carriageway of a State Highway with a speed limit of less than 70kph; where:
 - i. Any habitable room used for a sensitive activity⁴⁹ and/or space used for sleeping⁵⁰ must be designed, and constructed and maintained⁵¹ to achieve a minimum maximum internal noise limit level⁵² of 40dB L_{Aeq} (24h); and
 - ii. Compliance with i. above must be achieved based on an existing noise level with 3 decibel addition adjacent to State Highways allowing for future traffic increase; and⁵³
 - iii. Any new or altered habitable room and/or space used for sleeping building⁵⁴ within 20m of the edge of the carriageway⁵⁵ must be designed, constructed and maintained to achieve vibration limits not exceeding 0.3mm/s (Class C criterion Maximum Weighted Velocity, V_w,95);
- 2.⁵⁶ e. 46100m⁵⁷ of the edge of the tracks of a railway line where:
 - i. Any new or altered⁵⁸ habitable room used for a sensitive activity and/or spaced used for sleeping;⁵⁹
 - i. must be designed, and constructed and maintained⁶⁰ to achieve a maximum internal noise

Activity status where compliance not achieved: Restricted Discretionary

Commented [BA13]: Further consideration of how sensitive activities are referred to required. Potential to exclude sport and recreation activities.
Recommendation to be addressed in right of reply.

Commented [BA14]: Acoustic experts Joint witness statement recommends retaining, with amendments to read as follows:
Compliance with (i) above must be achieved based on existing measured or predicted external road-traffic noise levels with the addition of 3 dB.
Recommendation will be included in right of reply.

Commented [BA15]: KiwiRail propose an 'alert overlay' for the Hokitika line due the low volume of trains. No rules would be associated with this overlay, it is intended for information only.
Final recommendation on the 'alert overlay' to be addressed in right of reply.

⁴⁵ KiwiRail Holdings Limited (S442.088)

⁴⁶ Minor amendment to simplyfy numbering

⁴⁷ Waka Kotahi (S450.171)

⁴⁸ Waka Kotahi (S450.171)

⁴⁹ Minor amendment for clarity and consistency

⁵⁰ Minor amendment for clarity, Ngāi Tahu (S620.211), KiwiRail Holdings Limited (S442.088)

⁵¹ Minor amendment for clarity and consistency

⁵² Minor amendment for clarity, Ngāi Tahu (S620.211), KiwiRail Holdings Limited (S442.088)

⁵³ Jacobus Wiskerke (S95.004), Building - Coast Wide (S223.001), Chris & Jan Coll (S558.325), Chris J Coll Surveying Limited (S566.325), William McLaughlin (S567.386), and Laura Coll McLaughlin (S574.325), Ngāi Tahu (S620.211), Ngāi Tahu (S620.211)

⁵⁴ Consequential to KiwiRail Holdings Limited (S442.088)

⁵⁵ Ngāi Tahu (S620.211), Waka Kotahi NZ Transport Agency (S450.171)

⁵⁶ Minor amendment to simplyfy numbering

⁵⁷ Ngāi Tahu (S620.211), KiwiRail Holdings Limited (S442.088)

⁵⁸ KiwiRail Holdings Limited (S442.088)

⁵⁹ Minor amendment for clarity, Ngāi Tahu (S620.211), KiwiRail Holdings Limited (S442.088)

⁶⁰ Minor amendment for clarity and consistency

limit level⁶¹ of 35 dB LAeq (1h);

ii. Compliance ~~with i. above~~ must be achieved based on an assumption of 70 LAeq (1h) at a distance of 12m from the railway track and shall be deemed to reduce at a rate of 3 dB per doubling of distance up to 40m; or ii. is at least 50 metres from any railway network, and is designed so that a noise barrier completely blocks line-of-sight from all parts of doors and windows to all points 3.8 metres above railway tracks⁶²

~~ex. 3.~~ ⁶³ 60m of the edge of the tracks of a railway line where ~~iii.~~ Any building any new or altered habitable room and/or space used for sleeping⁶⁴ must be designed, constructed and maintained to achieve vibration limits not exceeding 0.3mm/s (Class C criterion Maximum Weighted Velocity, Vw,95);

~~4.~~ ⁶⁵ The 50 dBA Noise Contour boundary of Franz Josef Heliport or the 55 dBA⁶⁶ Noise Contour boundary of the Westport or Hokitika Airports or Greymouth or ~~Karamea Aerodrome or Haast Airfield⁶⁷~~; where:

i. Any ~~new or altered⁶⁸~~ habitable room and/or space used for sleeping⁶⁹ must be designed, ~~and~~ constructed and maintained⁷⁰ to achieve a ~~minimum maximum⁷¹~~ indoor design noise level of 40 dB Ldn;

~~5.~~ ⁷² Any CMUZ - Commercial and Mixed Use Zone, INZ - Industrial Zone or AIRPZ - Airport Zone, PORTZ - Port Zone, STADZ - Stadium Zone, HOSZ - Hospital Zone, BCZ - Buller Coalfield Zone or MINZ - Mineral Extraction Zone; where

i. The building is designed, ~~and~~ constructed and maintained⁷³ to ensure that the following indoor design noise levels are not exceeded:

A. ~~40~~ ³⁵ dB LAeq inside any new or altered⁷⁴ habitable room bedrooms⁷⁵;

Commented [BA16]: Consideration of whether the insulation requirements should be required for this aerodrome and/or whether there are options for other pathways that provide flexibility for landowners in these noise control boundaries to be addressed in the right of reply.

⁶¹ Minor amendment for clarity

⁶² KiwiRail Holdings Limited (S442.088)

⁶³ Minor amendment to simplify numbering

⁶⁴ KiwiRail Holdings Limited (S442.088)

⁶⁵ Minor amendment to simplify numbering

⁶⁶ Minor amendment for clarity

⁶⁷ Consequential amendment to reflect recommendation of Ms Easton that the Haast Airfield be included in the Airport Zone

⁶⁸ Consequential to KiwiRail Holdings Limited (S442.088)

⁶⁹ Minor amendment for consistency throughout the rule

⁷⁰ Minor amendment for clarity and consistency

⁷¹ Minor technical amendment recommended by Mr Peakall

⁷² Minor amendment to simplify numbering

⁷³ Minor amendment for clarity and consistency

⁷⁴ Consequential to KiwiRail Holdings Limited (S442.088)

⁷⁵ Minor technical amendment recommended by Mr Peakall

B. ~~35~~40dB LA_{eq} inside any other habitable room, except for new or altered⁷⁶ bedrooms between 10pm and 7am⁷⁷; and ~~ex. 6.~~⁷⁸ The Rifle Range Protection Area Between the 55 dB LAF_{max} and 60 dB LAF_{max} contours of the Westport Rifle Range Noise Overlay shown on the planning maps:

- i. Any habitable room used for a sensitive activity and/or space used for sleeping must be designed, and constructed and maintained⁷⁹ to achieve a maximum internal noise level of 35 dB LAF_{max} from outdoor noise associated with lawfully established activities at the Westport Rifle Range Protection Area; and
- ii. an outdoor living area not less than 30m² must shall be screened from the Westport Rifle Range Protection Area to achieve an outdoor noise level not exceeding 50 dB LAF_{max}.⁸⁰

f. ~~7.~~⁸¹ Where windows need to be closed to achieve the internal noise levels specified in a. to ~~ex~~⁸² ~~1-6.~~⁸³ above an alternative ventilation system shall be provided which achieves the following requirements:

- i. Satisfies clause G4 of the New Zealand Building Code;
- ii. Is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and
- iii. Provides relief for equivalent volumes of spill air; and
- iv. Provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18°C and 25°C; and
- v. Does not generate more than 35 dBLA_{eq(30s)} when measured at least⁸⁴ 1m away from any grille or diffuser.

Advice Note:

1. Compliance with Rule NOISE - R3 will be achieved if, prior to the construction of any building containing a new or altered⁸⁵ habitable room and/or space used for sleeping⁸⁶, an acoustic design certificate from a suitably qualified acoustic engineer is provided to

Commented [BA17]: Acoustic experts Joint witness statement recommends amendments to read as follows:

Does not generate more than 35 dBLA_{eq(30s)} when measured at any point where a person associated with a sensitive activity could be located, and no less than 1m away from any grille or diffuser.

Recommendation will be included in right of reply.

⁷⁶ Consequential to KiwiRail Holdings Limited (S442.088)

⁷⁷ Minor technical amendment recommended by Mr Peakall

⁷⁸ Minor amendment to simplify numbering

⁷⁹ Minor amendment for clarity and consistency

⁸⁰ Dean Trott (S330.002), Westport Pistol Club (S336.016), Chris Hartigan (S338.002), Westport Rifle Club Incorporated (S457.009)

⁸¹ Minor amendment to simplify numbering

⁸² Consequential amendment to inclusion of clause ex

⁸³ Minor amendment to simplify numbering

⁸⁴ Minor amendment for clarity

⁸⁵ Consequential to KiwiRail Holdings Limited (S442.088)

⁸⁶ Minor amendment for consistency throughout the rule

the relevant district council stating that the design will achieve compliance with the relevant standard. The building shall be designed, constructed and maintained in accordance with the design certificate; or

2. For Rule R3 1 a i) or Rule R3 1 c i) compliance will be achieved if the construction conforms to the acceptable solutions listed in NOISE-APP1-Acceptable constructions requirement, Part A and meets the ventilation requirements of Rule R3.1.f⁸⁷; or

3. For Rule R3 1 a iii) or Rule R3 1 c iii) compliance will be achieved if the construction conforms to the acceptable solutions listed in NOISE-APP1-Acceptable constructions requirement, Part B and meets the ventilation requirements of Rule R3.1.f.⁸⁸

Commented [BA18]: Numbering to update in right of reply, but intention is that the acceptable solutions will apply to most acoustic insulation requirements in Rule 3, e.g. those subject to the the Road Noise Overlay, land subject to KiwiRail setbacks, the Airport Noise Overlay and sensitive activities in the noisier zones.

⁸⁷ KiwiRail Holdings Limited (S442.088)

⁸⁸ Ngāi Tahu (S620.211), Buller District Council (S538.333), Waka Kotahi NZ Transport Agency (S450.171); KiwiRail Holdings Limited (S442.088)

NOISE - R4	Emission of Noise for Temporary Military Training Activities
<p>Activity Status Permitted</p> <p>Where the following noise standards are complied with:</p> <ol style="list-style-type: none"> 1. Weapons firing and/or the use of explosives: <ol style="list-style-type: none"> a. Notice is provided to the Council at least 5 working days prior to the commencement of the activity; b. The activity complies with the following minimum separation distances to the notional boundary of any building housing a sensitive activity: <ol style="list-style-type: none"> i. 7am to 7pm: 500m; ii. 7pm to 7am: 1:250km⁸⁹⁹⁰ c. Where the minimum separation distances specified above cannot be met, the activity shall comply with the following peak sound pressure level when measured at the notional boundary of any building housing a sensitive activity: <ol style="list-style-type: none"> i. 7am to 7pm: 95 dBL_{Cpeak}⁹¹; ii. 7pm to 7am: 85 dBL_{Cpeak}⁹². 2. Mobile noise sources: <ol style="list-style-type: none"> a. Shall comply with the noise limits set out in Tables 2 and 3 of NZS6803:1999 Acoustics - Construction Noise, with reference to "construction noise" taken to refer to mobile noise sources. 3. Fixed (stationary) noise sources: <ol style="list-style-type: none"> a. Shall comply with the noise limits set out below when measured at the notional boundary of any building housing a sensitive activity: <ol style="list-style-type: none"> i. 7am to 7pm 55 dB L_{Aeq} (15 min) ii. 7pm to 10pm 50 dB L_{Aeq} (15 min) iii. 10pm to 7am 45 dB L_{Aeq} (15 min) and 75 dB L_{AF} max 	<p>Activity status where compliance not achieved:</p> <p>Restricted Discretionary</p>

⁸⁹ Westport Pistol Club (S336.011), Westport Rifle Club Incorporated (S457.010)

⁹⁰ Minor amendment to refer to same metric as clause above

⁹¹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.538)

⁹² Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.538)

NOISE – RX⁹³		Emission of noise for activities not provided for by NOISE-R2, NOISE-R4, NOISE-R9 and NOISE-R10	
Activity Status Permitted			Activity status where compliance not achieved: Restricted Discretionary
Where:			
1. ⁹⁴ The maximum noise from any activity shall not exceed the following noise limits at any point at or within the boundary of any site within any ⁹⁵ of the following zones:			
Zone	Maximum Noise Limit		
	<u>Daytime</u> (Monday– Friday) 7:00am- 10:00pm	<u>Saturdays, Sundays and Public Holidays</u> 7:00 am – 10:00 pm	<u>Night-time</u> 10:00pm-7:00am
<u>RESZ Residential Zone</u> <u>SETZ Settlement Zone</u> <u>MPZ Māori Purpose Zone</u> <u>HOSZ Hospital Zone</u> <u>OSZ Open Space Zone</u> <u>NOSZ Natural Open Space Zone</u> <u>SVZ Scenic Visitor Zone</u> <u>FUZ Future Urban Zone</u>	55 dB LAeq	50 dB LAeq	45 dB LAeq 70 dB LAFmax
2. ⁹⁶ The maximum noise from any activity shall not exceed the following noise limits at any point at the notional boundary of any site within any ⁹⁷ of the following zones:			
Zone	Maximum Noise Limit		
	<u>Daytime</u> (Monday– Friday) 7:00am- 10:00pm	<u>Saturdays, Sundays and Public Holidays</u> 7:00 am – 10:00 pm	<u>Night-time</u> 10:00pm-7:00am
<u>GRUZ General Rural Zone</u> <u>RLZ Rural Lifestyle Zone</u>	55 dB LAeq	50 dB LAeq	45 dB LAeq 70 dB LAFmax

⁹³ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

⁹⁴ Minor amendment to improve clarity

⁹⁵ Minor amendment to improve clarity

⁹⁶ Minor amendment to improve clarity

⁹⁷ Minor amendment to improve clarity

3. The maximum noise from any activity shall not exceed the following noise limits at any point at or within the boundary of any site within any⁹⁸ following zones:

Zone	Maximum Noise Limit		
	Daytime (Monday– Friday) 7:00am- 10:00pm	Saturdays, Sundays and Public Holidays 7:00 am – 10:00 pm	Night-time 10:00pm-7:00am
<u>SARZ Sport and Recreation Zone</u> <u>PORTZ Port Zone</u> <u>AIRPZ Airport Zone</u> <u>CMUZ Commercial and Mixed Use Zones</u> <u>STADZ Stadium Zone</u> <u>LIZ Light Industrial Zone</u>	60 dB LAeq	55 dB LAeq	50 dB LAeq 75 dB LAFmax
<u>GIZ General Industrial Zone</u> <u>PORTZ Port Zone</u> <u>BCZ Buller Coalfield Zone</u> <u>MEZ Mineral Extraction Zone</u>	65 dB LAeq	65 dB LAeq	65 dB LAeq

4. Noise from any activity shall not exceed the following noise limits at any point at the notional boundary of any sensitive activity within any of the following zones:

Zone	Maximum Noise Limit		
	Daytime (Monday– Friday) 7:00am- 10:00pm	Saturdays, Sundays and Public Holidays 7:00 am – 10:00 pm	Night-time 10:00pm-7:00am
<u>SARZ Sport and Recreation Zone</u> <u>AIRPZ Airport Zone</u> <u>CMUZ Commercial and Mixed Use Zones</u> <u>STADZ Stadium Zone</u>	55 dB LAeq	55 dB LAeq	45 dB LAeq 75 dB LAFmax

Commented [BA19]: Potential to add 'lawfully established prior to XXXX [insert date the TTPP becomes operative]'.

Recommendation on this addition to be addressed in the right of reply.

⁹⁸ Minor amendment to improve clarity

<u>LIZ</u> Light Industrial Zone <u>GIZ</u> General Industrial Zone <u>PORTZ</u> Port Zone <u>BCZ</u> Buller Coalfield Zone ⁹⁹ <u>MINZ</u> Mineral Extraction Zone					
---	--	--	--	--	--

⁹⁹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

NOISE – R5¹⁰⁰	Emission of Noise in the RESZ – Residential Zones, SETZ – Settlement Zone and NOSZ – Natural Open Space Zone	
<p>Activity Status Permitted Where:</p> <p>1. Noise generated by any activity shall not exceed the following noise limits at any point within another site in the RESZ – Residential Zones, SETZ – Settlement Zone and NOSZ – Natural Open Space Zone:</p> <p>a. 7:00am to 7:00pm Monday to Friday and 8:00am to 5:00pm weekends and public holidays: 55 dB L_{Aeq}(15 min)</p> <p>b. 7:00pm to 7:00am Monday to Friday and 5:00pm to 8:00am weekends and public holidays: 45 dB L_{Aeq}(15 min)</p> <p>c. 7:00pm to 7:00am all days - 70 dB L_{AFmax}</p>	<p>Activity status where compliance not achieved: Restricted Discretionary</p>	
NOISE – R6¹⁰¹	Emission of Noise in the GRUZ – General Rural Zone, RLZ – Rural Lifestyle Zone, MPZ – Māori Purpose Zone, FUZ – Future Urban Zone, SARZ – Sport and Recreation Zone and OSZ – Open Space Zone.	
<p>Activity Status Permitted Where:</p> <p>4. Noise generated by any activity shall not exceed the following noise limits at any point within the notional boundary of any sensitive activity within any site receiving noise:</p> <p>a. 7:00am to 10:00pm Monday to Friday and 8:00am to 8:00pm weekends and public holidays: 55 dB L_{Aeq}(15 min)</p> <p>b. 10:00pm to 7:00am Monday to Friday and 8:00pm to 8:00am weekends and public holidays: 45 dB L_{Aeq}(15min)</p> <p>c. 10:00pm to 7:00am all days – 75 dB L_{AFmax}</p>	<p>Activity status where compliance not achieved: Restricted Discretionary</p>	

¹⁰⁰ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

¹⁰¹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

NOISE – R7¹⁰²	Emission of Noise in all CMUZ – Commercial and Mixed Use Zones, HOSZ – Hospital Zone, STADZ – Stadium Zone and SETZ – PREC2 – Settlement Zone – Settlement Centre Precinct.
Activity Status Permitted Where: 1. Noise generated by any activity shall not exceed the following noise limits at the notional boundary of any sensitive activity within any site receiving noise: a. 6:00am to 11:00pm Monday to Friday and 7:00am to 10:00pm weekends and public holidays: 55 dB L _{Aeq} (15 min) b. 11:00pm to 6:00am Monday to Friday and 10:00pm to 7:00am weekends and public holidays: 45 dB L _{Aeq} (15 min) c. 11:00pm to 6:00am all days – 75 dB L _{AFmax}	Activity status where compliance not achieved: Restricted Discretionary
NOISE – R8¹⁰³	Emission of Noise within the GIZ – General Industrial and LIZ – Light Industrial Zone
Activity Status Permitted Where: 1. Noise generated by any activity shall not exceed the following noise limits at the notional boundary of any sensitive activity within any site receiving noise: a. 7:00am to 10:00pm Monday to Friday and 7:00am to 10:00pm weekends and public holidays: 60 dB L _{Aeq} (15 min) b. 10:00pm to 7:00am Monday to Friday and 10:00pm to 7:00am weekends and public holidays: 45 dB L _{Aeq} (15 min) c. 10:00pm to 7:00am all days – 75 dB L _{AFmax}	Activity status where compliance not achieved: Restricted Discretionary
NOISE - R9	Emission of Noise from Port Activities within the PORTZ - Port Zone
Activity Status Permitted Where: 1. The maximum noise generated from port ¹⁰⁴ activities is in accordance with the limits, control boundaries and methods of measurement as outlined in NZS 6809: 1999 Acoustics Port Noise Management and Land Use Planning. 2. All activities are conducted in accordance with a Port Noise Management Plan that is reviewed annually, sets out the details of how NZS 6809 is being implemented.	Activity status where compliance not achieved: Restricted Discretionary

¹⁰² Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

¹⁰³ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

¹⁰⁴ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

and is publicly available on the port operator's website.¹⁰⁵

NOISE - R10		Emission of Noise within the AIRPZ - Airport Zone
<p>Activity Status Permitted Where:</p> <ol style="list-style-type: none"> Noise from aircraft operations at Hokitika and Westport Airports and Greymouth, <u>Haast</u>¹⁰⁶ and Karamea Aerodromes must be measured and assessed in accordance with NZS 6805: 1992 Airport Noise Management and Land Use Planning; Noise from helicopter operations at Franz Josef Heliport must be measured and assessed in accordance with NZS 6807: 1994 Noise Management and Land Use Planning for Helicopter Landing Areas; <p>2X. Noise from essential unplanned engine testing for scheduled passenger services is exempt from NOISE-R10.1 above.¹⁰⁷</p> <p><u>2Y. Noise from all other engine testing shall comply with the noise limits set out in NOISE-RX.¹⁰⁸</u></p> <p>3. The maximum noise levels from aircraft engine testing at any point within the boundary of a site within a RESZ – Residential Zone, MPZ – Māori Purpose Zone or RURZ – Rural Zone shall not exceed:</p> <ol style="list-style-type: none"> on any day 7.00am to 10.00pm exceed 55 dB L_{Aeq}(15 hour) on any day 10.00pm to 7.00am not exceed 45 dB L_{Aeq}(9 hours) and 75 dB L_{Amax}; and¹⁰⁹ <ol style="list-style-type: none"> The maximum noise generated from aircraft operations at Hokitika <u>and Westport Airports and Greymouth, Haast Airfield and Karamea Aerodrome</u>¹¹⁰ over any 90 continuous days shall not exceed: <ol style="list-style-type: none"> 55 dB L_{dn} at or beyond the noise contour boundary shown on the planning maps; and The maximum noise generated from helicopter operations at Franz Josef Heliport over any 7 continuous days, shall not exceed: <ol style="list-style-type: none"> 50 dB L_{dn} at or beyond the noise contour boundary 	<p>Activity status where compliance not</p>	

Commented [BA20]: Scope for this amendment to be addressed in right of reply.

¹⁰⁵ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.544)

¹⁰⁶ Consequential to recommendation to include Haast Airfield in the Airport Zone

¹⁰⁷ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.545)

¹⁰⁸ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.545)

¹⁰⁹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

¹¹⁰ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.545)

<p>shown on the planning maps; and</p> <p>6. Standards 4 and 5 above do not apply to:</p> <ol style="list-style-type: none"> a. Aircraft landing or taking off in an emergency; and b. Emergency flights required to rescue persons from life threatening situations or to transport patients, human organs or medical personnel in medical emergency situations; and c. Aircraft undertaking firefighting duties; and d. Military aircraft movements; and e. Aircraft using the Hokitika Airport in preparation for and participation in air shows. <p>7. In order to audit compliance with this rule, noise level monitoring must be carried out for a minimum of three months every five years with the resulting report forwarded to the Council within one month of that monitoring being completed.</p> <p><u>7. All activities are conducted in accordance with a Noise Management Plan that is reviewed annually, sets out details of how NZS 6805 or NZS 6807 is being implemented, and is publicly available on the facility operator's website.¹¹¹</u></p>	
--	--

NOISE – R11¹¹²	Emission of Noise within the BCZ – Buller Coalfield Zone and MEZ – Mineral Extraction Zone
<p>Activity Status Permitted</p> <p>Where:</p> <ol style="list-style-type: none"> 1. The maximum noise generated from activities does not exceed the following limits at any point within the notional boundary of any sensitive activity within any site receiving noise: <ol style="list-style-type: none"> 1. 7:00am to 10:00pm Monday to Friday and 7:00am to 10:00pm weekends and public holidays: 55 dB L_{Aeq}(15 min) 2. 10:00pm to 7:00am Monday to Friday and 10:00pm to 7:00am weekends and public holidays: 45 dB L_{Aeq}(15 min) 3. 10:00pm to 7:00am all days: 75 dB L_{AFmax} 	<p>Activity status where compliance not achieved:</p> <p>Restricted-Discretionary</p>

¹¹¹ Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.545)

¹¹² Te Mana Ora (Community and Public Health) of the NPHS/ Te Whatu Ora (S190.540) and others

Restricted Discretionary Activities	
--	--

NOISE - R12	Emission of Noise not meeting Permitted Activity Standards
--------------------	---

<p>Activity Status Restricted Discretionary</p> <p>Discretion is restricted to:</p> <ul style="list-style-type: none"> a. Effects on the health and wellbeing of people; b. Ambient noise levels and any special character 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; c. The level, hours of operation, duration and nature of the noise; d. The primary purpose and the frequency of use of the activity; e. Proximity and nature of nearby activities and the adverse effects they may experience from the noise; f. Effects on character and amenity values on the surrounding environment; and g. Effects on the health and wellbeing of people;¹¹³ h. Effects on wildlife and habitat values; i. The temporary or permanent nature of any adverse effects; j. Any noise reduction measures;- k. <u>The functional need and/or</u>¹¹⁴ <u>operational need of the activity.</u>¹¹⁵ 	<p>Activity status where compliance not achieved: N/A</p>
---	--

¹¹³ Waka Kotahi NZ Transport Agency (S450.172), Buller Conservation Group (S552.156), Frida Inta (S553.156)

¹¹⁴ Minor amendment for consistency of language throughout the pTTPP

¹¹⁵ Westpower Limited (S547.490)

NOISE -R13	New Buildings for Use by a Sensitive Activity and Additions to Existing Buildings for Use by a Sensitive Activity not meeting Acoustic Insulation Requirements of Rule NOISE - R3
Activity Status Restricted Discretionary Discretion is restricted to: <ol style="list-style-type: none"> The provision of a report from an acoustic specialist which provides evidence that the level of acoustic insulation is appropriate to ensure the amenity of present and future residents of the site; and The impact of any sensitive activity that does not provide the required acoustic insulation on the ability of existing or future permitted business activities to operate or establish without undue constraint. 	Activity status where compliance not achieved: N/A

¹¹⁶ NOISE -R13A	<u>New¹¹⁷Buildings for Use by a Sensitive Activity and Additions to Existing Buildings for Use by a Sensitive Activity within the 60dB L_{AFmax} contour of the Westport Rifle Range Noise Overlay</u>
Activity Status Restricted Discretionary Discretion is restricted to: <ol style="list-style-type: none"> The provision of a report from an acoustic specialist which provides evidence that the level of <u>acoustic insulation noise mitigation¹¹⁸</u> is appropriate to ensure the amenity of present and future residents of the site; and The impact of any sensitive activity that does not provide the required <u>acoustic insulation noise mitigation¹¹⁹</u> on the ability of lawfully established activities at the Westport Rifle Range to operate without undue constraint. 	Activity status where compliance not achieved: N/A

Commented [BA21]: Potential exemption for sport and recreation activities to be addressed in right of reply.

¹¹⁶ Dean Trott (S330.002), Westport Pistol Club (S336.016), Chris Hartigan (S338.002), Westport Rifle Club Incorporated (S457.009)

¹¹⁷ Minor update as agreed in the planning Joint Witness Statement for the Westport Rifle Range Noise Overlay

¹¹⁸ Minor update as agreed in the planning Joint Witness Statement for the Westport Rifle Range Noise Overlay

¹¹⁹ Minor update as agreed in the planning Joint Witness Statement for the Westport Rifle Range Noise Overlay

Recommended amendments to Definitions

'Audible bird scaring device' means a gas gun, avian distress alarm or other such device used for the purposes of scaring birds.¹²⁰

¹²⁰ Federated Farmers of New Zealand (S524.103)

Recommended amendments to Appendices

Appendix X – Acceptable Construction Design for Acoustic Insulation Requirements for New Buildings for Use by a Sensitive Activity Subject to Noise R3¹²¹

Part A: Approved construction requirements for compliance with Noise-R3 1 a i) and Noise-R3 1 c i)

Applicability	
	<p>Construction requirements detailed in this appendix are only applicable where:</p> <ol style="list-style-type: none"> <u>The building containing the sensitive activity is located with the State Highway Noise Control Boundary Overlay shown on the planning maps or is within 60m of an Existing Rail Corridor.</u> <u>The building is a single level construction.</u> <u>The floor of the building is a reinforced concrete slab.</u> <u>No habitable room of the building is located less than 4.5 metres from the road boundary.</u> <u>The total area of glazing in any habitable room is no greater than 20% of the total area of external walls of that room.</u> <u>The roof of the building is a standard timber truss design, with a pitch of not less than 15 degrees. Ventilation of the roof space must only be via casual ventilation typical of the jointing, capping and guttering detail used in normal construction.</u> <p>In all other situations, a design report from a suitably qualified acoustics specialist is required.</p>
Construction Options	
<p>Exterior Walls Option 1</p>	<p><u>Exterior cladding of Aerated Concrete or similar, with a surface mass not less than 27 kg/m².</u></p> <ul style="list-style-type: none"> <u>Timber framing of not less than 90 mm, with studs at 600 mm centres. A ventilated cavity is not required under this option but is permissible, with or without a rigid air barrier.</u> <u>Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products.</u> <u>1 layer of 10 mm thick Standard Gib board or alternative gypsum board having a surface mass not less than 6 kg/m².</u>
<p>Exterior Walls Option 2</p>	<p><u>Exterior cladding of Profiled sheet metal not less than 0.45 mm thick.</u></p> <ul style="list-style-type: none"> <u>20 mm thick battens forming a ventilated cavity.</u>

Commented [BA22]: Rule numbering references to update to final recommendations for NOISE-R3 – to be addressed in right of reply.

Commented [BA23]: References to align with final recommendations for NOISE-R3 to be addressed in right of reply.

¹²¹ KiwiRail Holdings Limited (S442.088), Gina Hogarth (S304.002), Misato Nomura (S151.002), Ngāi Tahu (S620.211)

Applicability	
	<ul style="list-style-type: none"> • <u>Rigid air barrier consisting of Plywood not less than 9 mm thick or Fibre Cement not less than 4 mm thick, or alternative sheet product having a surface mass not less than 5 kg/m².</u> • <u>Timber framing of not less than 90 mm, with studs at 600 mm centres.</u> • <u>Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products.</u> • <u>1 layer of 10 mm thick Standard Gib board or alternative gypsum board, having a surface mass not less than 6 kg/m².</u>
Exterior Walls Option 3	<p><u>Exterior cladding of Fibre Cement weatherboards, with a surface mass not less than 18 kg/m² (Hardies Linea or equivalent)</u></p> <ul style="list-style-type: none"> • <u>20 mm thick battens forming a ventilated cavity.</u> • <u>Rigid air barrier consisting of Plywood not less than 7 mm thick or Fibre Cement not less than 4 mm thick, or alternative sheet product having a surface mass not less than 3.8 kg/m².</u> • <u>Timber framing of not less than 90 mm, with studs at 600 mm centres.</u> • <u>Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products.</u> • <u>1 layer of 10 mm thick Standard Gib board or alternative gypsum board, having a surface mass not less than 6 kg/m².</u>
Glazing and Exterior doors - All options	<ul style="list-style-type: none"> • <u>Windows to consist of double glazing consisting of a minimum of 2 layers of 4 mm thick glass separated by a 12 mm airgap, with airtight seals.</u> • <u>External doors to be either double glazed to the same standard as windows, or be a solid timber construction with a surface mass not less than 24 kg/m² and incorporating full perimeter seals.</u>
Roof – All Options	<ul style="list-style-type: none"> • <u>Profiles metal roofing not less than 0.45 mm thick profiled steel or tiles.</u> • <u>Fibrous insulation of minimum R6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products.</u> • <u>2 layers of 10 mm Standard Gib board or alternative gypsum board, with each layer having a surface mass not less than 6 kg/m².</u>

Part B: Approved construction requirements for compliance with Noise-R3 1 a iii) and Noise-R3 1 c iii)

Any new buildings or alterations to existing buildings containing a sensitive activity, closer than 60 metres to the boundary of an Existing Rail Corridor and is a single storey framed building with:

- a. a constant level floor slab on a full-surface vibration isolation bearing with natural frequency not exceeding 10 Hz, installed in accordance with the supplier's instructions and recommendations: and
- b. vibration isolation separating the sides of the floor slab from the ground: and
- c. no rigid connections between the building and the ground

In all other situations, a design report from a suitably qualified specialist is required demonstrating Compliance with Rule R3 1 c iii).

New buildings and alterations must meet the ventilation requirements of Rule R3.1.f¹²²

Commented [BA24]: Rule references to update in right of reply version

Commented [BA25]: Reference to overlays to amend in right of reply version

Commented [BA26]: Rule reference to update in right of reply version

Commented [BA27]: Rule reference to update in right of reply version