

Appendix 4.2 Proposed Fixed Plant Noise Criteria for Representative Noise Assessment Points

NAP ⁽¹⁾	Land Use ⁽²⁾	Existing / Planned	Type of Area	Influencing Factor (IF)	Degree to which NSR is affected by IF	Area Sensitive Rating	Reference Noise Measurement Location	Daytime and Evening (0700 to 2300 hours)			Night-time (2300 to 0700 hours)		
								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
KSR-PF01a	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF01b	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF01c	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF02a	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF02b	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF02c	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF02d	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF03a	G	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF03b	G	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
KSR-PF04	R	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF05	G	Planned	Area other than those above	-	-	B	M01	60	57	57	50	46	46
KSR-PF06	E	Planned	Area other than those above	-	-	B	M01	60	57	57	-(5)	-(5)	-(5)
KSR-PF08	E	Planned	Area other than those above	-	-	B	M03	60	47	47	-(5)	-(5)	-(5)
KSR-PF08a	E	Planned	Area other than those above	-	-	B	M03	60	47	47	-(5)	-(5)	-(5)
AUT-F01	R	Existing	Area other than those above	-	-	B	M03	60	47	47	50	42	42
AUT-F01a	R	Existing	Area other than those above	-	-	B	M03	60	47	47	50	42	42
AUT-PF01	R	Planned	Area other than those above	San Tin Highway	Not Affected	B	M04	60	62	60	50	52	50
AUT-PF02	R	Planned	Area other than those above	San Tin Highway	Not Affected	B	M04	60	62	60	50	52	50
AUT-PF03	R	Planned	Area other than those above	San Tin Highway	Not Affected	B	M04	60	62	60	50	52	50

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
AUT-PF04	R	Planned	Area other than those above	San Tin Highway	Not Affected	B	M04	60	62	60	50	52	50
AUT-F06	R	Existing	Area other than those above	Industrial Zone	Within 100m of Industrial Zone	B ⁽⁷⁾	M04	60	62	60	50	52	50
AUT-F02	R	Existing	Area other than those above	Industrial Zone	Within 100m of Industrial Zone	B ⁽⁷⁾	M04	60	62	60	50	52	50
AUT-F05a	R	Existing	Low density residential area	San Tin Highway	Indirectly Affected	B	M05	60	66	60	50	54	50
AUT-F05b	R	Existing	Low density residential area	San Tin Highway	Indirectly Affected	B	M05	60	66	60	50	54	50
AUT-F05c	R	Existing	Low density residential area	San Tin Highway	Indirectly Affected	B	M05	60	66	60	50	54	50
NTM-F01	R	Existing	Area other than those above	San Tin Highway	Not Affected	B	M06	60	47	47	50	42	42
NTM-F02	R	Existing	Low density residential area	-	-	A	M06	55	47	47	45	42	42
NTM-F04	HA	Existing	Area other than those above	-	-	B	M07	60	54	54	50	48	48
NTM-F04a	R	Existing	Area other than those above	-	-	B	M07	60	54	54	50	48	48

NAP ⁽¹⁾	Land Use ⁽²⁾	Existing / Planned	Type of Area	Influencing Factor (IF)	Degree to which NSR is affected by IF	Area Sensitive Rating	Reference Noise Measurement Location	Daytime and Evening (0700 to 2300 hours)			Night-time (2300 to 0700 hours)		
								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
NTM-F05	R/W	Existing	Area other than those above	-	-	B	M06	60	47	47	50	42	42
NTM-F05a	R	Existing	Area other than those above	-	-	B	M07	60	54	54	50	48	48
NTM-F06	R	Existing	Area other than those above	-	-	B	M06	60	47	47	50	42	42
NTM-F07	R	Existing	Low density residential area	-	-	A	M08	55	45	45	45	38	38
NTM-F08	R	Existing	Area other than those above	-	-	B	M07	60	54	54	50	48	48
NTM-PF01	⁽⁸⁾	Planned	Area other than those above	-	-	B	M07	60	54	54	50	48	48
NTM-PF01a	⁽⁸⁾	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
NTM-PF01b	⁽⁸⁾	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
NTM-PF02	⁽⁸⁾	Planned	Area other than those above	-	-	B	M07	60	54	54	50	48	48
NTM-PF04	⁽⁸⁾	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
NTM-PF07a to NTM-PF07h	-(8)	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
NTM-PF07q to NTM-PF07s	-(8)	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-F02	R	Existing	Low density residential area	-	-	A	M09	55	48	48	45	46	45
SAT-PF01a	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01b	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01c	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01d	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01e	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01f	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF01h	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
SAT-PF02d	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF03	E	Planned	Area other than those above	-	-	B	M12	60	58	58	-(5)	-(5)	-(5)
SAT-PF03a	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-PF05a	R	Planned	Area other than those above	-	-	B	M12	60	58	58	50	52	50
SAT-F04	R	Existing	Low density residential area	-	-	A	M11a	55	53	53	45	47	45
KTU-F01	R	Planned	Area other than those above	-	-	B	M11a	60	53	53	50	47	47
KTU-F01a	R	Planned	Area other than those above	-	-	B	M11a	60	53	53	50	47	47
KTU-PF01a	R	Planned	Area other than those above	-	-	B	-(6)	60	64	60	50	60	50
KTU-PF01b	R	Planned	Area other than those above	-	-	B	-(6)	60	64	60	50	60	50
KTU-PF01c	R	Planned	Area other than those above	-	-	B	-(6)	60	64	60	50	60	50

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
KTU-PF02a	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF02b	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF03a	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF03b	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF04a	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF04b	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF05a	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF05b	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF06a	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF06b	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50

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								ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)	ANL-5, dB(A)	Prevailing Background ⁽³⁾ , dB(A)	Noise Criterion, dB(A)
KTU-PF06c	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50
KTU-PF07	R	Planned	Area other than those above	-	-	B	- ⁽⁶⁾	60	64	60	50	60	50

Notes:

- (1) NAP – Noise Assessment Point
- (2) E - Educational Institution; HA - Home for the Aged; R – Residential; W – Place of Public Worship; G – G/IC.
- (3) The lowest measured prevailing noise levels as shown in **Appendix 4.1** were adopted for determination of noise criteria.
- (4) Not Used.
- (5) No sensitive use during night-time period.
- (6) For the prevailing background noise, reference was made to Table 4.14 & 4.15 (NSRs A1-5, A2-4, A2-7, A1-8 & A1-2 under NENT NDA refer) of the approved EIA report for North East New Territories New Development Areas (NENT NDA) (Register No.: AEIAR-175/2013).
- (7) Considering the existing industrial zone could be changed to other land uses for Sha Po Public Housing Development, for conservative approach, the effect of industrial zone was not considered to determine the appropriate noise criteria.
- (8) Information subject to the design of planned development.