

6	IEQ	6.P PREREQUISITE	
		IEQ P1 MINIMUM VENTILATION PERFORMANCE	
	EXCLUSIONS	Residential and similar buildings without central air conditioning.	1
	OBJECTIVE	Ensure that a minimum quality and quantity of outdoor air is supplied to spaces in the project in order to support the well-being and comfort of occupants.	
	REQUIREMENT	Demonstrate that the project is in compliance with the minimum requirements of ASHRAE 62.1-2007 [1] in respect of Outdoor Air Quality; and Minimum Ventilation Rate.	2 3 4
	ASSESSMENT	<p>The Client shall provide evidence in the form of a report prepared by a suitably qualified person detailing the outdoor ventilation performance. The report shall include:</p> <ol style="list-style-type: none"> Confirmation that the outdoor air pollutants Carbon monoxide (CO), Nitrogen dioxide (NO₂), Ozone (O₃) and Respirable Suspended Particulates (RSP) conform to the IAQ Certification Scheme Good Air Quality level. Completion of Table H-2 of ASHRAE Standard 62.1-2007 demonstrating compliance with the minimum ventilation rate(s) provided. 	5 6
	BACKGROUND	<p>The purpose of this prerequisite is to provide the minimum outdoor air ventilation for the control of odours, that is, the supply, distribution and control of ventilation to maintain carbon dioxide (CO₂) levels within the design targets in normally occupied spaces, and the control of indoor pollutants such as TVOC's, formaldehyde, etc.</p> <p>The assessment for building follows requirements of ASHRAE 62.1:2007. The standard includes significant requirements other than outdoor air rates, such as requirements for equipment to reduce the potential for microbial growth, air cleaning requirements, and start-up and commissioning requirements. All of these requirements must be met to comply with this prerequisite.</p>	

1 American Society of Heating Refrigeration and Air Conditioning Engineers. ANSI/ASHRAE Standard 62.1-2007. Ventilation for Acceptable Indoor Air Quality.

Q5. WU 5, For BEAM Plus New Buildings Version 1.1, how is WU 5 applied to different building types?

Indoor Environmental Quality

Q1. Should the noise level of the ventilation system or de-odourising system be considered under IEQ 4 (NB and EB)?

Q2. What features can be considered as glare control under IEQ 15 in BEAM Plus Version 1.1?

Q3. Under BEAM Plus NB IEQ 23, how many times can the same amenity type be counted within the same development?

Q4. IEQ P1, How to achieve the outdoor air quality standard in local context of Hong Kong?

The outdoor air quality shall conform to the IAQ Certification Scheme Good Air Quality level. This criterion encourages the building team to:

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a) Ensure that the IAQ conforms to the Good Air Quality from source;

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b) Locate the indoor air intake with due care (orientation and height with respect to the climate at proximity, site environment and other pollutant sources);

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c) Provide outdoor air treatment or re-circulate air treatment if necessary (e.g. adequate filtration of particulates).

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Q5. IEQ 11a, for BEAM Plus New Buildings Version 1.1 & 1.2, if the Applicant does not provide any ventilation equipment for kitchen and toilet areas, should these areas be included in the assessment?

Q6. IEQ 11b, For BEAM Plus New Buildings Version 1.1 & 1.2, is clubhouse applicable to this credit?

Q7. If a clubhouse is provided with VRV or split type units but with fresh air provided by PAU or fresh air fans, are IEQ P1 and IEQ 9 (NB) / IEQ 10 (EB) applicable?

Q8. IEQ 12, For BEAM Plus New Buildings Version 1.1 and 1.2, can lift lobby served by firemen's lift be exempted from the assessment?

Q9. IEQ 15, For BEAM Plus NB V1.1 and 1.2, there are a number of methodologies in the computation of the average daylight factor from various software. Will it be acceptable if the output provides the average daylight factor for the entire area of a room?

Q10. IEQ 23, For BEAM Plus New Buildings Version 1.1 and 1.2, is there a list of amenity features which comply with the requirements of IEQ 23?