

6	IEQ	6.7 ACOUSTICS AND NOISE
		IEQ 21 INDOOR VIBRATION
	EXCLUSIONS	None.
	OBJECTIVE	Avoidance of excessive vibration from building services equipment and external sources.
	CREDITS ATTAINABLE	1
	PREREQUISITES	None.
	CREDIT REQUIREMENT	1 credit for demonstrating vibration levels do not exceed the prescribed criteria. Based on the nature of the building, relaxation should be allowed in considering the acceptance of this credit. The applicant should provide full submission of the design and calculation to justify the relaxation.
	ASSESSMENT	The Client shall provide evidence of the investigation in the form of a report prepared by a suitably qualified person demonstrating compliance with the criteria given in ISO 2631-2 [1].
	BACKGROUND	Excessive vibration in buildings can also be a source of annoyance to users. It is possible to mitigate against vibration caused by external sources, such as traffic, and internal sources, such as building services equipment, through good design.

1

1 International Standard Organization. ISO2631-2. Evaluation of human exposure to whole-body vibration – Part 2 : Continuous and shock-induced vibration in buildings (1 to 80Hz)



Circular Letter No.: 2014.119

Issue Date: 23 June 2014

Application: BEAM Plus NB Version 1.1
BEAM Plus NB Version 1.2

Effective Date: 23 June 2014

Credits Not Applicable to Not Normally Occupied Buildings

This circular letter announces that the following credits are not applicable to buildings that are not normally occupied (e.g. pump stations, sewerage treatment plants).

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- SA 2
- SA 3
- IEQ 10
- IEQ 15
- IEQ 16
- IEQ 21
- IEQ 23a

Signed :

A handwritten signature in blue ink, appearing to read "Ray", is written over a horizontal line.

Dr. Raymond Yau
Chairperson of Technical Review Committee

Q26. IEQ 16&17, For BEAM Plus New Buildings Version 1.1 and 1.2, should decorative lighting be assessed?

Q27. IEQ 18, 19, 20 & 21, For BEAM Plus New Buildings Version 1.1 and 1.2, what is the definition of “suitably qualified person” (SQP)?

Suitably qualified person (SQP) is a professional who possesses the following qualification:

- a corporate member of HKIOA; or
- a corporate / certified / full member of other International Acoustic Institution; or
- a member of HKIE (Building Services, Mechanical or Environmental discipline) with relevant experience in Acoustic / Vibration Design. SQP should be responsible for the endorsement of the calculation and/or on-site measurement report.

(Released on 29 November 2019)

Q28. IEQ 18, For BEAM Plus New Buildings Version 1.1 and 1.2, how should the representative sampling points be selected?

Q29. IEQ 19, For BEAM Plus New Buildings Version 1.1 and 1.2, how should the representative sampling points be selected?

Q30. IEQ 19, For BEAM Plus New Buildings Version 1.1 and 1.2, in normal credit, is impact noise isolation (IIC) between floors required for Office, Hotel and Residential premises?

Q31. IEQ 20, For BEAM Plus New Buildings Version 1.1 and 1.2, how should the representative sampling points be selected?

Q32. IEQ 21, For BEAM Plus New Buildings Version 1.1 and 1.2, how should the representative sampling points be selected?

Q33. IEQ 22, For BEAM Plus New Buildings Version 1.1, please elaborate on the requirement of enhanced provisions under this credit.

Q34. Under BEAM Plus NB IEQ 23, how many times can the same amenity type be counted within the same development?

Q35. 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?

Management

Q1. MAN 1, For BEAM Plus Existing Buildings Version 2.0 Comprehensive Scheme & MAN 2, For BEAM Plus Existing Buildings Version 2.0 Selective Scheme, please elaborate on the documentations required to fulfill the internal audit criteria under this credit.

Q2. MAN 3, For BEAM Plus Existing Buildings Version 2.0 Comprehensive Scheme & MAN 4, For BEAM Plus Existing Buildings Version 2.0 Selective Scheme, what is the definition of BEAM Professional with EB credential.

Q3. MAN 9b, For BEAM Plus Existing Buildings Version 2.0 Comprehensive Scheme & MAN 11b, For BEAM Plus Existing Buildings Version 2.0 Selective Scheme, regarding bulk purchase of the management company:

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At least one sampling point should be selected to represent the worst-case condition for each vibration source. The selected sampling points should be approved by an SQP.

(Released on 29 November 2019)

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